

COMMONWEALTH of PENNSYLVANIA  
DEPARTMENT of MINES and MINERAL INDUSTRIES



**Anthracite Division**

**1964**

*Annual Report*

Harrisburg, Pennsylvania, Anthracite  
Division

**WILLIAM W. SCRANTON**

Governor

**H. B. CHARBURY**

Secretary of Mines and Mineral Industries



H. B. CHAMBURY  
THE SECRETARY

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF MINES AND MINERAL INDUSTRIES  
HARRISBURG

May 1, 1965

Honorable William W. Scranton  
Governor of Pennsylvania  
Harrisburg, Pennsylvania

Dear Governor:

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,  
1964, covering in detail the operations in the Anthracite  
Division of Pennsylvania.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "H. B. Chambury".

H. B. Chambury  
Secretary of Mines  
and Mineral Industries

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WILLIAM W. SCRANTON  
GOVERNOR OF PENNSYLVANIA

William W. Scranton was elected Governor of Pennsylvania on November 6, 1962, and inaugurated as Pennsylvania's 103rd Chief Executive on January 15, 1963.

Governor Bill Scranton's awareness and understanding of coal region problems has enabled his Administration to effect changes in laws pertaining to mining which are among the most vital in the history of the coal industry. The strip mining laws of 1963 are the most effective legislation of their kind ever developed by a coal-producing State. They also have ended forever the wanton assault on Pennsylvania's land resources, in so far as future open pit mining is concerned.

The Governor's continuing interest in coal region problems was never more evident than on the four different occasions that he appeared before Congressional Committees during 1964 and 1965 to champion a stronger, more effective Appalachian Regional Development Act and thereby promote action to correct devastation resulting from coal mining. Governor Scranton virtually wrote the mine area restoration provisions of this law, and he impressed the Congressmen who heard him with his insight into the Appalachian area of his own State. More particularly, he outlined and then submitted proposals on the five problems of strip mine reclamation, mine subsidence, surface and underground mine fires, unsightly culm piles and acid mine water drainage that were all wholly incorporated into the Appalachian legislation finally adopted.

Moreover, it was first determined by Governor Scranton's Administration that the ugly culm piles or mine refuse banks which dot the coal-producing areas could be used in backfilling abandoned mines to prevent surface subsidence. By using the culm piles for this purpose, three of the five main problems confronting the mine areas of the State are being positively attacked.

As a result of Governor Scranton's pursuit of the complicated acid mine drainage problem, the world's first mobile pilot plant designed to provide all the data needed to establish permanent treatment plants, including the total cost of their construction and operation, will be put into operation in Pennsylvania in the spring of 1965. This project is called "Operation Yellowboy" after the yellowish substance given off in acid mine drainage.

Governor Scranton was born July 19, 1917, the son of the late Worthington Scranton, long active in Pennsylvania politics, and the late Marion Margery Scranton, Republican National Committeewoman from Pennsylvania from 1928 to 1951, and a National Vice-Chairman from 1940 to 1944.

The Governor was graduated from Yale University in 1939 and from the Yale Law School in 1946. He is married to the former Miss Mary L. Chamberlin. They have four children, Susan, William W., Joseph C. and Peter K.

During World War II the Governor served in the United States Air Force as pilot and operations officer, and left active duty with the rank of Captain. He is now a Major in the Air Force Reserve.

In the Eisenhower Administration he served as Special Assistant to Secretary of State Christian A. Herter.

In November, 1960, he was elected to the 87th Congress from Pennsylvania's 10th District, and as a Congressman served on the Banking and Currency Committee.

Among Governor Scranton's awards for achievement in various fields is a Conservation Award made in 1964 by the Allegheny County Sportsmen's League, Inc.



H. B. CHARBURY, SECRETARY  
DEPARTMENT OF MINES AND MINERAL INDUSTRIES



H. Beecher Charmbury was appointed Secretary of Mines and Mineral Industries on January 30, 1963, by Governor William W. Scranton.

He was born on September 21, 1914, in Hanover, Pennsylvania. He attended the Hanover Public Schools and was graduated from Hanover High School in 1932. He was graduated Cum Laude from Gettysburg College, with the degree Bachelor of Arts, in 1936, from the University of Pennsylvania, with the degree Master of Science, in 1937, and from the Pennsylvania State University, with the degree Doctor of Philosophy, in 1942.

He was married to Miss Mildred Louise Wentz in June, 1938. Dr. and Mrs. Charmbury have two children: Deborah Louise and Thomas Elert.

From September, 1937, to January, 1963, Dr. Charmbury was employed by the Pennsylvania State University, serving successively in the positions of Research Assistant, Assistant Professor, Associate Professor, and eventually Professor and Head of the Department of Mineral Preparation.

In 1958 he was an invited lecturer at the Third International Coal Preparation Congress at Liege, Belgium, and in 1962 he was an invited lecturer at the First European Symposium of Size Reduction at Frankfurt, Germany.

He has served as technical consultant to various companies, organizations and municipalities on problems related to the preparation, beneficiation and utilization of bituminous and anthracite coals and metallic and nonmetallic minerals in addition to problems related to the causes and control of air pollution.

Secretary Charmbury has prepared many papers which have been published. A few of them are listed below:

Advances in Coal Preparation, Mechanization, Vol. 26, No. 9, Pages 28-34 (September, 1962)

Traprock Fill Creates Urban Headaches, Rock Products, Vol. 65, No. 9, Pages 106-112 (September, 1962)

Pinches Sluice to the Rescue, Rock Products, Vol. 65, No. 2, Pages 73-74 (February, 1962)

Precise Control for Utility and General Industrial Coal, Utilization, 15, No. 7, Pages 11-13 (July, 1961)

The Secretary is a member of the American Institute of Mining, Metallurgical and Petroleum Engineers, the American Chemical Society, The American Mining Congress, the American Association of University Professors, the American Society for Engineering Education and the National Academy of Science.

He is a member, also, of the Grace Lutheran Church of State College, Pennsylvania; Patmos Lodge No. 348, F. & A. M.; B. P. O. Elks, of which he is Past State President; and Centre Hills Country Club. In 1960 he was elected Chairman of the Centre County Republican Executive Committee, and in 1962 was re-elected. He resigned from the chairmanship in January, 1963, to accept appointment to the Governor's Cabinet.

Secretary Charmbury 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.

THE DEPARTMENT OF MINES AND MINERAL INDUSTRIES'  
MAJOR ACCOMPLISHMENTS IN 1964

Particularly significant in the activities of the Department of Mines and Mineral Industries in 1964 were the following: correcting ills of previous coal mining operations, advancing mine safety, acting to minimize the polluting of streams, restoring strip mined land, initiating and carrying forward coal research and extinguishing mine fires.

CURING ILLS OF PREVIOUS COAL MINING OPERATIONS

Under the Public Health and Safety phase of the Joint State-Federal Mine Drainage Program the Department is carrying out several important projects. The results of these projects are that they support the surface in localities where mining has been done, eliminate unsightly culm banks, eliminate a potential air pollution problem and provide space for community and industrial development. In this field the major projects are:

- (1) Vicinity of G. A. R. High School, in the City of Wilkes-Barre. This particular project consists of the filling of underlying voids in abandoned mine workings with crushed breaker refuse by the method known as controlled flushing. The purpose of filling such voids is to alleviate surface subsidence problems which are created as pressures tend to collapse the voids. Here for the first time a pilot plant crusher was put into operation to remove unsightly culm banks, thus eliminating a potential air pollution problem and also providing space for community development.
- (2) Tripp Park section in the City of Scranton. Through this project a larger crusher plant was put into operation to remove an unsightly bank and, among other advantages, to provide space needed for community development. This project consists of filling the existing underlying mine voids with suitable material in order to protect and guard against possible surface subsidence.
- (3) In the Borough of Plymouth, Luzerne County. The project work consists of filling mine voids near the surface extremity of the mined area. A double-screened product that is being used is being flushed into the water pool below the surface. This type of flushing, which is experimental to prevent potholing, is being done for the first time. This project in Plymouth is almost complete. No projects such as the foregoing were active before 1964.

Other projects which are in various phases of preparation are identified herewith: (1) Laurel Run Mine Fire, Luzerne County. Further action by United States Bureau of Mines is held up pending the obtaining of mineral rights from all owners concerned. (2) Filling voids in the abandoned Pine Brook Mine, City of Scranton, Lackawanna County. This project has been returned from the United States Bureau of Mines to allow for revision of provisions pertaining to crushing operations. (3) Coal-dale subsidence area, Schuylkill County. This is awaiting action by the local re-development authority to which funds now are available. (4) Filling mine voids in the abandoned workings underlying the Eynon Street section of Scranton where a mine fire is burning and where the Scranton Redevelopment Authority has removed houses from the overlying surface to enable flushing activities.

MINE REFUSE BANK FIRES

Under a new program authorized by Act 3A of the General Assembly, approved March 3, 1964, the Department was authorized to use money specifically for the purpose of extinguishing, curtailing, and preventing the spread of mine refuse bank fires, and for the establishing of a pilot plant in a program to eliminate mine refuse bank fires and return the land to useful purposes.

The funds for extinguishment were not intended to be used to extinguish large bank fires because methods to do this are not known. The first project for extinguishment was at the abandoned Price-Pancoast Colliery in the Borough of Throop. On this project the State spread out 32,000 cubic yards of burning material in a temporary pond of water to eliminate fire in a bank--the first time this had been done. This project eliminated a public nuisance which consisted of the emission of noxious fumes, gases, and smoke from the existing fire. Under this phase there have been carried out four additional projects, as follows: (in the anthracite field) in Jenkins Township, Luzerne County, completed; in the Eynon section of Archbald Borough, Lackawanna County, completed; in East Norwegian Township, Schuylkill County, in progress; (in the bituminous field) in Horton Township, Elk County, in progress. These five are solely State projects.

An endeavor has been made to apply funds from this program for establishing a pilot plant at the Huber bank located in Ashley Borough, Luzerne County. These funds were to be supplemented by local and federal money which has not yet become available. A means of putting out this fire, which is in one of the largest burning culm banks--if not the very largest--in Pennsylvania, was submitted to the Area Redevelopment Administration by the Department of Mines and Mineral Industries in April of this year. Up to the present time, however, nothing has been done to cope with this burning bank. Experts employed by the owners to study this problem have found no practicable solution. After a conference, the Department submitted a proposal for a pilot plant study to separate coal from the noncombustible fraction of the refuse. This proposal had received the approval of many influential organizations in that region. Funds in the amount of \$125,000 were--and still are--available through Act 3A of the 1964 Legislature. A customer was prepared to take the coal. ARA rejected the proposal, however, on the grounds of wishing to try another procedure.

ABANDONED COAL MINE SERVICES

The abandoned coal mine services are basically for the purpose of correcting conditions caused by early mining operations that are detrimental to public welfare. These consist of sealing abandoned deep mines, backfilling abandoned strip pits, flushing underground abandoned deep mines for the prevention of surface subsidence and fighting underground mine fires.

During the last year the Department conducted 67 projects under this program. Forty-three of these projects were conducted in twelve counties in the bituminous coal area of the Commonwealth and twenty-four projects in six counties in the anthracite area. Thirty-three of the projects were conducted using State-owned equipment operated by State employes and thirty-four were conducted through contracts with the lowest responsible bidders. Seven of the contract projects were conducted using equally matched State and Federal funds; these projects were limited to extinguishing mine fires. Their locations are: Coal Township, Northumberland County; Southerly section of the City of Scranton, Lackawanna County; Conemaugh Township, Indiana County; Mount Pleasant Township (Village of Brinkerton), Westmoreland County; West Mifflin Borough (City of Duquesne), Allegheny County; Upper Tyrone Township and Bullsken Borough, Fayette County; Penn Hills Township (Coal Hollow Road), Allegheny County.

Eighteen of the projects consisted of sealing deep mine shafts and other openings to abandoned underground mines and thirty-two projects were backfilling abandoned open pit mines. Seventeen projects were involved in extinguishing mine fires.

Under the Abandoned Coal Mine Services one of the major projects is at Blairsville. This mine fire, which started in 1963, was burning under a public highway where two cemeteries are at the roadside. As coal burned out, the roadway dropped. The fire was endangering traffic in addition to being a nuisance and a hazard because of fumes. In the project, started early this year, the Department has drilled holes through which finely divided fire-resistant material has been forced in order to cut off oxygen in the burning area. This control work is being continued; and the fire has reached a point at which the Federal Government has joined the Commonwealth in an additional cooperative effort.

OIL AND GAS

The year 1964 has been the most active since the Oil and Gas Division of the Department was organized on February 1, 1956. Of the 1,244 oil and gas wells that were drilled this year, 462 required a permit, and 687 are shallow wells in non-coal areas. Of the total number, 382 are gas wells and 513 oil wells. The rest are in categories only incidental to producing wells. The deepest well, as to linear feet (15,662 feet), in Pennsylvania's history was drilled this year in Centre County by the Socony Mobil Oil Company. This well, which was a dry hole, has been plugged back to 9,895 feet; and reportedly it is now being used by the Defense Department for testing purposes. This well, while it was being drilled, was observed with great interest by the geologists in the Appalachian area. The information obtained will provide valuable data for further study.

The Oil and Gas Conservation Act of 1961 has promoted voluntary, rather than mandatory, spacing of wells penetrating the Onondaga Horizon to a depth of 3,800 feet. For wells affected by this Act, the Department this year issued 98 permits. Sixty-nine such wells were drilled in 1962 and ninety-four in 1963. The Department's Oil and Gas Inspectors made 3,000 inspections in 1964.



#### ANTHRACITE CONSERVATION AND RECLAMATION

The Bureau of Anthracite Conservation and Reclamation reports that, as of December 31, 1964, all but three of the 271 permits issued call for complete backfilling. With 99 strip mining operators' licenses issued, license fees received amounted to \$29,700. Plans of mining and restoration approved for strip mining operations not more than 100 feet in depth were 169; for those in excess of 100 feet in depth, 102; more than 100 feet in depth were 169; for those in excess of 100 feet in depth, 102; total 271. The estimate of the acreage to be affected is 2,026.75. Bond deposits amounted to \$1,387,800. Sixty-four completion reports were filed with the Department for 158.12 acres of land affected and completely restored. Production by the strip mining method for the year 1964 was 7,248,900 tons. For 1963, it was 7,552,995 tons.

While plans of restoration approved for 268 of the permits granted consisted of complete backfill of all overburden removed during strip mining, the other three proposed suitable alternate use of land affected by strip mining. Anthracite Mine Inspectors, who are responsible for enforcement of the Anthracite Strip Mining and Conservation Act, have made numerous comments on their inspection reports of backfilled stripping pits complimenting the operators for outstanding restoration. In some cases operators have gone beyond the requirements of the law by pushing old spoil piles back into excavated pit areas.

#### BITUMINOUS CONSERVATION AND RECLAMATION

Many of Pennsylvania's strip mine operators have been praised by officials, conservationists, and the press for their restoration of stripped land since January 1, 1964, when the amended bituminous law became effective. Bituminous coal production by the open pit mining method for 1964 was 24,019,760 tons. The production for 1963 was 24,233,668 tons.

The Bituminous Bureau of Conservation and Reclamation reports that as of December 31, 1964, 383 open pit mining licenses had been issued. 1,018 applications for original, amended and corrected permits were filed and 975 approved original, amended and corrected permits were issued. Backfilling proposals were reviewed on 898 applications. These were divided as follows: Terrace, 299 - Approximate Contour, 327 - Combination of Terrace and Contour, 272. Bonds released for licensed operators at the rate of \$300 and \$400 per acre was \$2,951,688.00. The amount of bonds remaining on deposit under the old law at the rate of \$300 or \$400 per acre was \$7,839,879.00 and the amount of bonds on deposit under the new law at the rate of \$500 per acre was \$6,002,877.00. The acreage restored within the provisions of Act No. 133 was approximately 1,378 acres. The number of active operations throughout the year 1964 was 789. The Mine Drainage Section of the Bureau has recommended approval of 234 applications for Mine Drainage Permits and recommended refusal of 15 applications. Since January 1, 1964, the Sanitary Water Board, based on the Bureau's recommendation, has revoked 5 Mine Drainage Permits and suspended 78 permits.

Members of the Legislature and of the Land Reclamation Board, the Secretary of Mines and Mineral Industries, other officials and representatives of press, television and radio made a two-day tour in July of strip mined land in the bituminous area. The reaction of the touring officials was extremely favorable. It was found that a number of operators deserved public commendation, and this was given them, for the quality of the restoration accomplished. These operators are: Twilight Industries, Incorporated (two operations), in Allegheny County; Peter Paulsick, in Westmoreland County; Costantino Coal Company, in Somerset County; C. E. Powell Coal Company, in Cambria County; River Hill Coal Company (three operations), in Clearfield County; Robert Bailey Estate, in Clearfield County; Brubaker Brothers Coal Company, in Jefferson County; Edwin W. Toy Coal Company (two operations), in Butler County; Kerry Coal Company, in Butler County; and J. E. Hoffman Coal Company, in Clearfield County. A group of conservationists from Ohio who toured strip mined land in Western Pennsylvania in September described as "almost unbelievable" accomplishments by various bituminous coal operators in restoring the land.

In the reclamation and conservation of abandoned strip mine land the Department continued to expedite the processing of projects in the public interest.

Pennsylvania's strip mining laws which, as amended, are now regarded as the strongest in the Country have caused favorable comment in many other States. The Secretary of Mines and Mineral Industries spoke by invitation on the subject of "Surface Mining" at the Southern Governors' Conference held in San Antonio, Texas, in October of 1964. Governors and other officials in attendance expressed to the Secretary afterward commendation of the accomplishment of the present Administration in Pennsylvania.

#### RESEARCH

During 1964 nineteen research contracts were activated by the Coal Research Board of this Department. At the end of that year the funds encumbered amounted to \$895,000. Research projects were being carried out by three colleges, three industrial corporations and one research institution. The subject matter under study is in the fields of export market development, domestic market development, water pollution abatement, strip mine restoration, optimization of mine production, reduction of ash and sulfur content in coal, coal combustion characteristics, economics of the coal industry, use of coal refuse products, reduction of mine disaster causes, removal of coal float dust, extinguishment of coal refuse bank fires, and the use of coal in removing airport fog.

Two projects were under way whereby technical information developed under previous projects could be field tested. A mobile acid mine drainage plant is being designed and will be available to study mine drainage at five or more field locations throughout the State beginning early in 1965. This plant will have sufficient flexibility so that new laboratory developments can be tested in the field. Economic and technical data will be derived from the operation of this pilot plant whereby many unknowns will be resolved and light shed on this vexing problem.

Another pilot plant was in the final stages of engineering design. It is to be devoted to the treatment of coal refuse to separate combustible from noncombustible values. Arrangements have been made to utilize the noncombustible fraction as part of the State's underground flushing program to prevent surface subsidence. The combustible portion will be tested in a nearby commercial power plant to ascertain its applicability as power plant fuel. It is believed that the technical and economic data derived from the operation of this pilot plant will serve as a solid base for private enterprise to use prior to building similar full scale plants. This pilot plant is a direct result of theoretical and applied research sponsored by the Coal Research Board.

An activity sponsored by the Board which was well received, in that it increased mine safety, was a five-day "short course" at the Pennsylvania State University on the study of Rock Mechanics as a basis for Strata Control. Mine inspectors and representatives of industry from both anthracite and bituminous coal fields attended this course and learned of the latest technology. Improved "know-how" by these newly trained men should be reflected in improved roof control, improved safety, and overall better protection against cave-ins.

In addition to the mine drainage pilot plant previously mentioned, five additional projects have been financed by the Coal Research Board in seeking solutions of the acid mine drainage problem. These include the preparation of a complete up-to-date annotated bibliography which will be of aid to research workers in this field, the use of bacteriophages to slow down acid formation, chemical treatment or absorption to remove acid values, and the diverting of clean water away from mines or acid water down to harmless deep formations.

During the calendar year 1964 the coal industry contributed \$81,225 to aid research toward solving the acid mine drainage problem. This is the first time that industry has joined with the Commonwealth in a mutually beneficial endeavor aimed at solving this problem which they have in common.

Through the projects supported by the Coal Research Board, most areas of concern to the coal industry are receiving study. The practical results thus far achieved include better blasting technology, new coal cleaning ability, vastly improved export market for anthracite, retention of jeopardized domestic markets and concrete aid aimed at abating error and water pollution.

#### MINE WATER STUDY RECOMMENDED

A study of the possibility of lessening stream pollution caused by mine drainage was recommended by Governor Scranton after a report by the Secretary of Mines and Mineral Industries of his inspection of a desalination plant at the United States Naval Base, Guantanamo Bay, Cuba. Recommended was a short feasibility study, taking into consideration the modification of plant operations that would be necessary because of the difference in characteristics of sea water and mine drainage water. The Governor expressed appreciation to Congressman John P. Saylor of Johnstown who made arrangements for the inspection trip.

## MINE SAFETY

The primary and most important function of the Department of Mines and Mineral Industries is to enforce the laws of Pennsylvania which pertain to the health and safety of persons employed in the mines. In carrying out that function the Department's Deputy Secretaries for the Anthracite and Bituminous Divisions and their Inspectors earned particular credit this year. The record for 1964 was the best in the Bituminous Division's history (18 fatalities), and the second best in the Anthracite Division's history (24 fatalities). Training classes in First Aid and Mine Rescue have been in progress throughout the year, and hundreds of men have been trained and certified in these activities. Surveys have been conducted also under the Department's Dust Control Program, ten in the Anthracite Area and six in the Bituminous Area. The Department made 3,756 complete deep mine inspections in the Anthracite Area, and 2,120 in the Bituminous Area during 1964. In the Anthracite Division there were 777 strip mine inspections; in the Bituminous Coal Division there were 2,841.

## MINE SAFETY COMMISSION

A Mine Safety Commission of three members, appointed by the Governor, evaluated the mine safety program of the Department and submitted its report to the Governor through the Secretary of the Department.

## COAL MINE SUBSIDENCE INSURANCE

The Anthracite and Bituminous Coal Mine Subsidence Insurance Fund, for twelve months of the calendar year 1964 wrote 755 policies with premiums of \$46,282.33 and renewal premiums of \$39,422.91. Insurance coverage for this period amounted to \$9,626,200. Claims paid for the period amounted to \$52,716.06. For the first time since the inception of the Fund, premium intake plus interest on investments is meeting the provision of the Act (484) 1961 that it be self-sustaining as far as operational expenses are concerned as of January 1, 1965.

## CONFERENCE ON PNEUMOCONIOSIS

The Department of Mines and Mineral Industries, as well as the Department of Health and the Department of Labor and Industry, participated in the three-day Governor's Conference on Pneumoconiosis in Harrisburg. This Conference, it is believed, created a stepping stone from which progress could be made in furthering the solution of the problems related to pneumoconiosis among Pennsylvania coal miners.

## APPALACHIAN PROGRAM

The Department cooperated with other State agencies, particularly the Department of Commerce, working on tentative stages of the Appalachian Program. From the State level, insofar as the Department of Mines and Mineral Industries is concerned, the Department has made studies pertaining to the Appalachian Program as to work that might be done in that program through this Department. The subject views from which it has been studied are these: 1. Mine subsidence and surface caving; 2. Underground mine fires; 3. The reclaiming of abandoned strip mines; 4. Burning and non-burning culm piles; 5. Water pollution from mine drainage.

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Oats growing on land in Westmoreland County strip mined for bituminous coal, then restored to original contour. Operator, Peter Paulisick. In background, land strip mined under the old act.

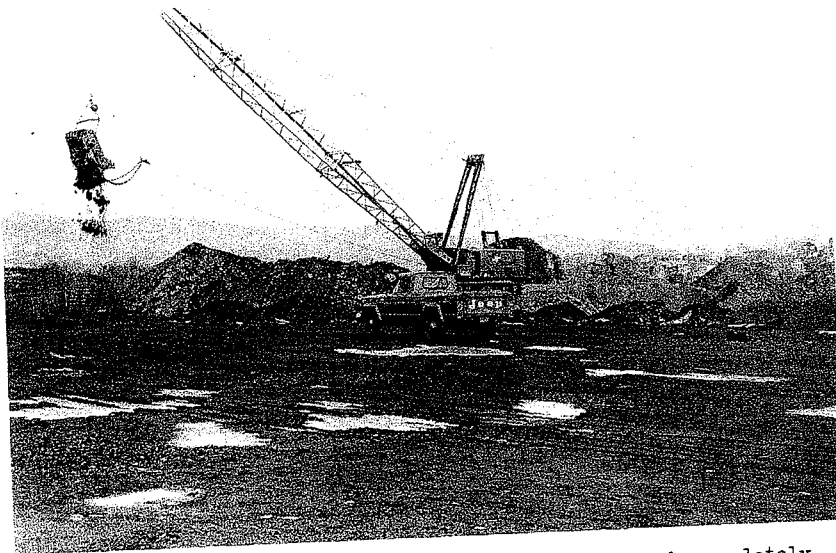


Restoration concurrent with bituminous coal strip mining operation, in Clearfield County. Operator, River Hill Coal Company, Inc.

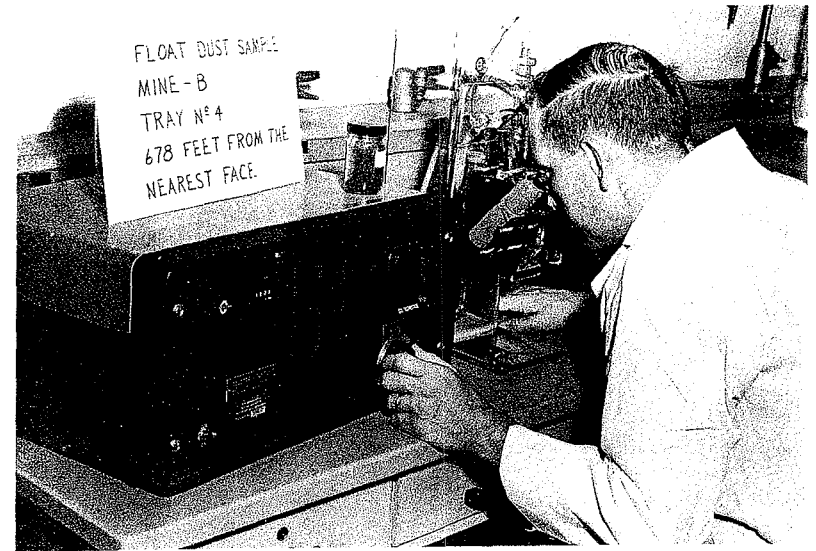




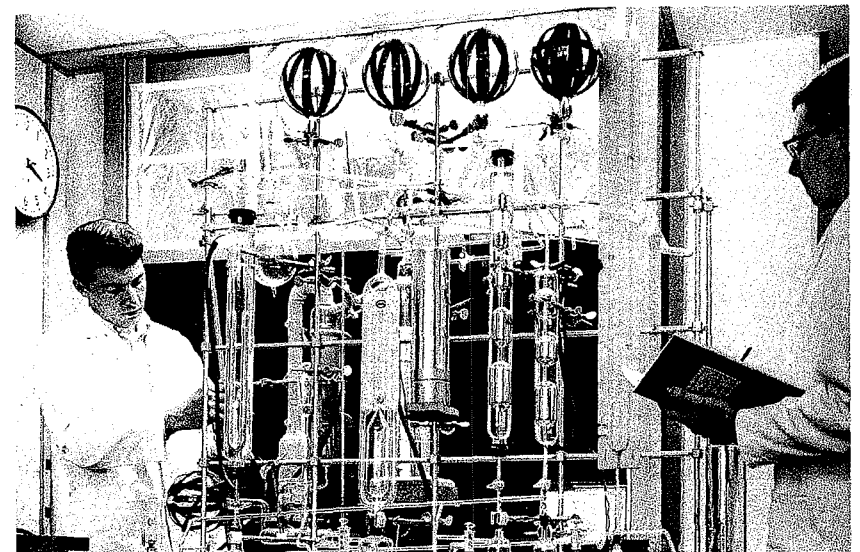
Area in Plymouth Township, Luzerne County, strip mined for anthracite to a depth of more than 100 feet, and completely restored. Operator, Lehigh Valley Anthracite, Inc.



Land in Plains Township, Luzerne County, in foreground, completely restored. The entire area of this operation, strip mined for anthracite to a depth of more than 100 feet, will be restored to its original contour. Operator, Capone Coal Company.

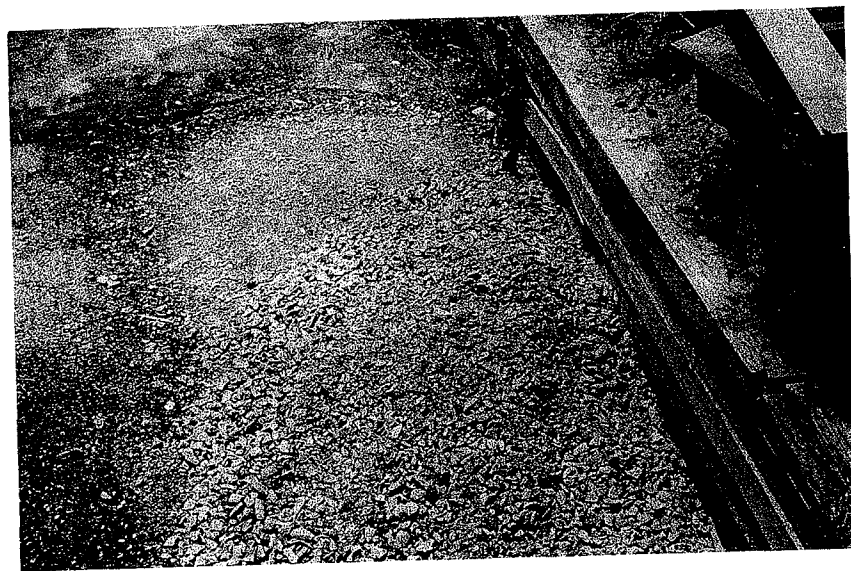


Technician measuring float dust, a health and explosion propagation hazard, in project by Bituminous Coal Research, Inc., Monroeville for Coal Research Board.

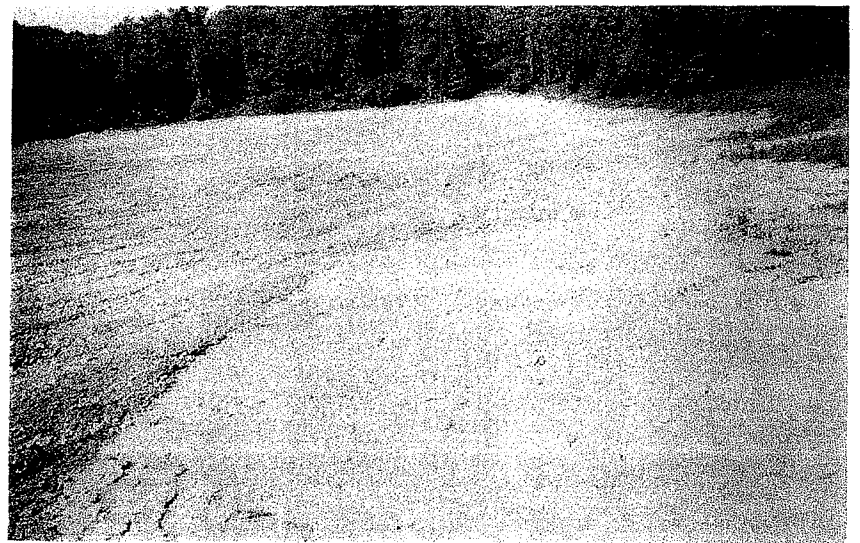
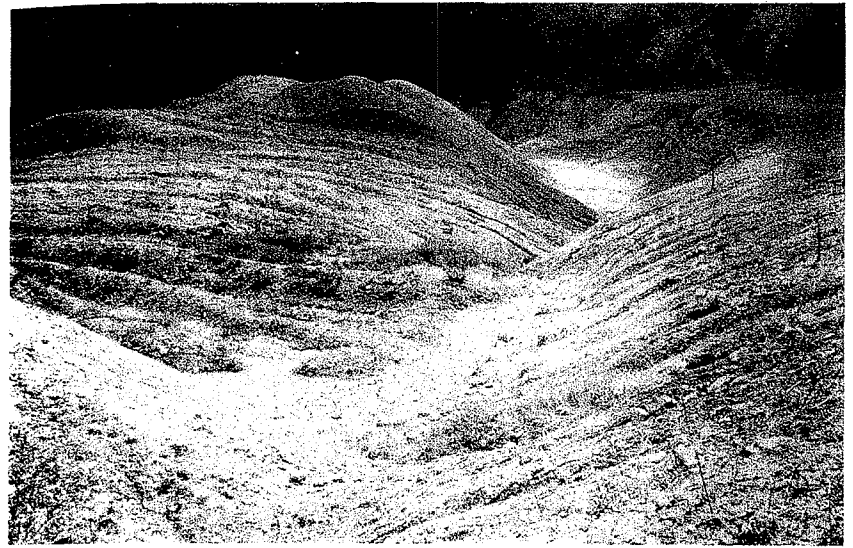


Technicians at Wilkes College, Wilkes-Barre using High Vacuum Absorption Unit to measure surface areas of coal in project for Coal Research Board.



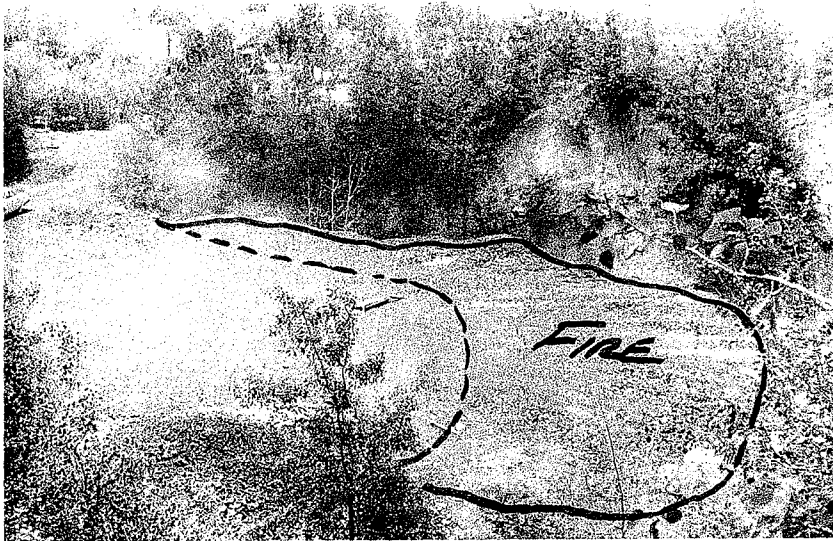


The sealing of hazardous mine cave hole in Crafton, Allegheny County.  
Upper photograph, before; lower, after.



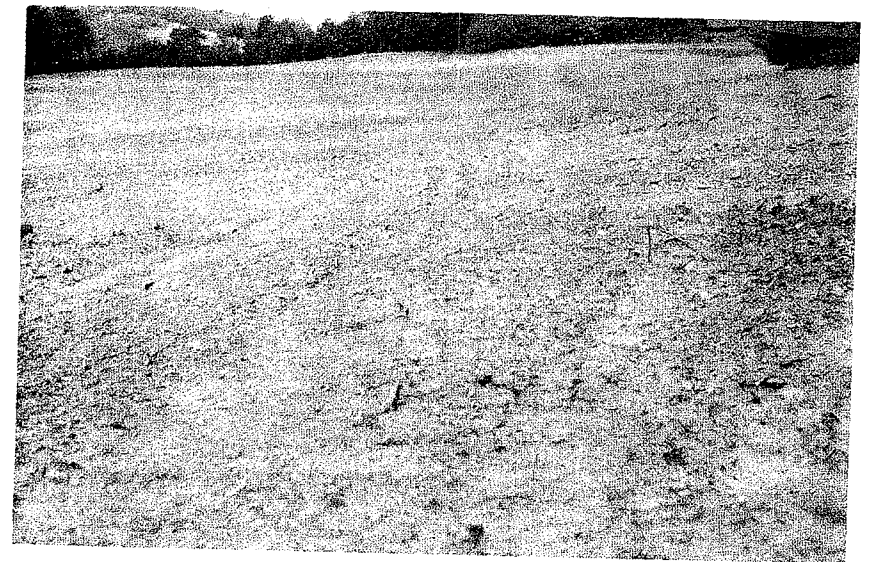
Strip mine in Dunbar Township, Fayette County, restored to original  
contour. Upper photograph, before; lower, after restoration.



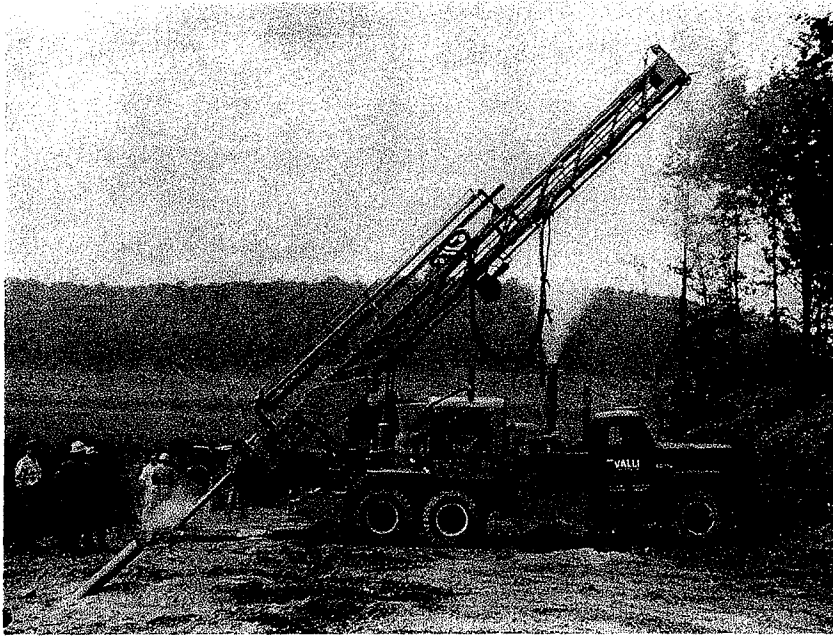


Project NRD - 46

Bank fire, breaker refuse bank on outcrop of abandoned mine, Town of Eynon, Archbald borough, Lackawanna County, from which the burning part of bank was removed. In right foreground, upper photograph, burning area; lower, same area after burning material has been removed.



The sealing of abandoned strip mine in Muddy Creek Township, Butler County. Upper photograph, before backfilling; lower, after.



Drilling, at angle of 45 degrees, preparatory to blasting highwall of abandoned strip mine in Clearfield County. Project under supervision of Pennsylvania State University, partially sponsored by Coal Research Board.

# STATISTICAL REPORTS



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF MINES AND MINERAL INDUSTRIES  
ANTHRACITE DIVISION  
TOTAL PRODUCTION OF COAL, PRODUCTION FROM STRIPPINGS AND WASHRIES;  
EMPLOYES, FATALITIES, ETC.  
1870 - 1964

Year	Total production (net tons)	Washery production (net tons)*	Stripping production (net tons)*	Employees	Fatalities	Production per million tons	Fatalities per million tons	No. inspectors
1870	14,172,004			35,600	211	67,166	14.89	5
1871	15,532,252			37,488	210	73,963	13.52	5
1872	15,567,973			44,745	223	69,811	14.32	5
1873	21,001,521			48,199	264	79,551	12.57	5
1874	19,930,240			53,402	231	86,278	11.59	5
1875	23,402,646			69,966	238	98,330	10.17	6
1876	23,440,666			70,474	228	102,810	9.73	6
1877	24,727,213			66,842	194	127,460	7.85	6
1878	20,900,966			63,964	187	111,770	8.95	6
1879	31,036,600			68,847	262	118,460	8.44	6
1880	27,974,532			73,373	202	138,488	7.22	6
1881	34,202,558			76,031	273	125,284	7.98	7
1882	35,057,430			82,200	295	118,839	8.41	6
1883	37,747,369			91,421	323	116,865	8.56	6
1884	36,468,738			101,073	332	109,846	9.10	6
1885	38,232,155			100,320	332	115,157	8.68	7
1886	38,950,932			103,044	279	139,609	7.16	7
1887	42,156,300			106,517	316	133,406	7.50	7
1888	46,635,037			122,218	364	128,118	7.81	8
1889	43,650,768			119,646	397	109,952	9.09	8
1890	44,986,286			119,919	378	119,011	8.40	7
1891	49,701,322			123,308	428	116,125	8.61	8
1892	51,226,978			130,300	418	122,553	8.16	8
1893	52,841,110			138,069	456	115,880	8.63	8
1894	50,966,920	386,960		139,939	446	114,276	8.75	8
1895	56,948,756	386,534		143,705	421	135,270	7.39	8
1896	53,843,250	527,809		150,088	502	107,257	9.32	8
1897	52,581,036	732,743		149,557	423	124,305	8.04	8
1898	52,812,675	697,759		142,420	411	129,498	7.78	8
1899	60,518,331	1,055,426		140,604	461	131,276	7.62	8
1900	57,363,396	1,818,170		143,824	411	139,570	7.16	8
1901	67,094,665	2,009,864		147,651	513	130,789	7.65	8
1902	41,340,935	2,965,792		148,139	300	137,803	7.26	8
1903	75,232,585	4,119,258		151,827	518	145,237	6.89	15
1904	73,594,369	3,440,420		161,330	595	123,688	8.08	15
1905	78,647,020	3,897,688		168,254	644	122,123	8.19	15
1906	72,139,510	4,880,402		166,175	557	129,514	7.72	19
1907	86,056,412	5,630,169		168,774	708	121,549	8.23	20
1908	83,543,243	4,635,923		174,503	678	123,220	8.12	20
1909	80,223,833	5,206,562		171,195	567	141,488	7.07	20
1910	83,683,994	5,412,167		168,175	601	139,241	7.18	20
1911	90,917,176	4,555,457		173,338	699	130,067	7.69	21
1912	84,426,869	4,317,161		175,098	601	140,477	7.12	21
1913	91,626,964	2,934,157		175,310	624	146,838	6.81	21
1914	91,189,641	2,702,537		180,899	600	151,983	6.58	21
1915	89,377,706	3,418,427		177,339	588	152,003	6.58	21
1916	87,680,198	4,432,606		159,169	565	155,186	6.44	25
1917	100,445,299	6,408,277		156,148	581	172,883	5.78	25
1918	99,445,794	7,246,454		148,226	556	178,859	5.59	25
1919	87,838,024	3,616,675		153,780	636	138,110	7.24	25
1920	89,636,036	5,435,697		149,117	490	182,931	5.47	25
1921	90,358,642	1,842,096		161,926	546	165,492	6.04	25
1922	53,910,201	2,525,402		159,880	300	179,701	5.56	25
1923	92,653,641	4,212,001		158,764	515	179,910	5.56	22
1924	87,277,449	1,141,796		162,503	496	175,963	5.68	22

Year	Total production (net tons)	Washery production (net tons)*	Stripping production (net tons)*	Employees	Fatalities	Production per million tons	Fatalities per million tons	No. inspectors
1925	61,334,145	894,187		163,825	401	152,953	6.54	18
1926	83,874,500	1,365,175		168,734	455	184,340	5.42	18
1927	79,367,154	1,841,440		167,648	492	161,315	6.20	25
1928	74,552,312	1,614,863		160,721	447	166,784	6.00	25
1929	72,985,844	878,599		153,422	483	151,109	6.62	25
1930	68,776,559	890,389		151,171	444	154,902	6.46	25
1931	59,115,387	1,468,572		138,400	384	153,946	6.50	25
1932	49,501,511	1,062,853		119,480	243	203,710	4.91	21
1933	49,507,577	2,090,996		102,469	232	213,395	4.69	21
1934	56,798,951	1,516,393		106,251	260	218,458	4.58	19
1935	51,359,111	1,876,700		100,539	267	192,256	5.20	17
1936	54,264,016	1,411,988		99,704	241	225,162	4.44	16
1937	51,700,296	1,882,026		99,117	212	243,869	4.10	22
1938	46,269,511	2,031,432		96,998	223	207,487	4.82	20
1939	51,399,707	2,347,269		93,352	210	244,761	4.09	24
1940	51,526,454	2,599,280		90,790	182	283,112	3.53	23
1941	53,942,177	3,689,538		88,849	189	285,408	3.50	22
1942	57,939,629	4,045,970		83,707	225	257,509	3.88	22
1943	60,511,730	7,715,860		79,369	218	277,977	3.60	23
1944	64,112,589	10,527,481		78,145	171	374,927	2.67	24
1945	55,901,235	9,454,205		76,265	137	408,038	2.45	23
1946	61,978,710	9,214,678		80,556	169	366,738	2.73	24
1947	58,227,985	7,076,796		80,730	165	352,897	2.83	24
1948	59,108,810	6,735,688		80,390	131	451,212	2.22	26
1949	44,710,118	4,823,144		79,209	92	485,980	2.06	26
1950	46,339,255	4,027,249		75,231	86	538,829	1.86	25
1951	42,389,055	4,843,834		70,357	94	450,947	2.22	25
1952	40,067,130	4,710,495		66,438	92	435,512	2.30	25
1953	30,495,391	3,892,083		56,952	59	516,871	1.93	25
1954	26,612,312	3,055,528		44,731	47	566,219	1.76	24
1955**	25,934,792	3,618,121		37,397	60	432,247	2.31	20
1956	28,175,633	4,336,168		35,029	54	521,771	1.92	18
1957	25,163,466	4,356,958		32,767	51	493,401	2.03	21
1958	20,456,474	2,711,152		26,738	31	659,886	1.52	20
1959	19,670,615	2,981,696		24,112	46	427,622	2.34	20
1960	17,721,113	3,006,803		20,269	35	506,318	1.98	23
1961	16,506,612	2,418,433		16,971	19	868,769	1.15	23
1962	16,496,315	2,829,421		14,704	26	634,474	1.58	22
1963	17,411,202	2,965,213		14,323	30	580,373	1.72	22
1964	16,524,687	3,013,307		13,584	24	688,529	1.45	22

\* Included in total production.  
# No accurate record previous to 1870.  
† No accurate record previous to 1894.  
% No accurate record previous to 1932.  
\*\* In 1955 and subsequent years the production, employees, fatalities, etc., of deep mines employing fewer than five (5) persons inside are included in this report.

THIRTY-SIX YEAR STUDY OF ANTHRACITE, BY COUNTIES #

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
	1924	2,654,820	1,044,724	1,113,048	20,392,400	34,711,150	7,207,553	19,238,222	214,773	655,000	45,759	87,277,449
	1930	1,754,134	685,253	867,363	15,312,853	27,456,102	6,749,282	15,673,224	64,071	91,296	122,981	68,776,559
	1931	1,886,084	865,424	756,274	12,768,631	23,766,625	5,728,763	12,925,765	75,542	184,773	157,506	59,115,387
	1932	1,821,911	497,966	673,078	11,729,255	19,327,982	4,679,188	10,479,627	70,794	97,514	124,196	49,501,511
	1933	1,610,409	556,539	652,057	11,090,350	19,861,441	5,102,704	10,252,019	126,101	130,715	125,242	49,507,577
	1934	2,057,670	917,520	631,835	12,440,808	21,438,372	5,767,112	12,911,938	189,070	179,236	265,390	56,798,951
	1935	1,703,018	824,803	549,467	10,437,254	21,059,166	5,469,278	10,761,971	179,134	216,010	159,010	51,359,111
	1936	1,873,797	1,546,144	400,758	11,154,691	21,315,049	5,208,201	12,333,446	213,847	19,169	198,914	54,264,016
	1937	2,076,398	1,251,044	484,403	9,117,509	22,487,109	4,604,212	11,461,545	99,879	15,339	102,858	51,700,296
	1938	1,947,771	1,157,913	425,871	8,439,828	20,365,737	4,090,787	9,774,216 a	49,383	7,030	10,975	46,269,511
	1939	2,514,152	964,346	476,960	9,198,552	23,377,666	4,815,235	9,885,719 b	36,684	124,791	5,602	51,399,707
	1940	2,175,348	1,026,366	505,558	9,259,463	22,672,016	4,499,464	11,242,175 c	50,844	86,149	9,071	51,526,454
	1941	2,401,741	1,067,473	345,545	8,973,827	24,316,481	4,934,077	11,822,153 d	49,179	21,686	10,015	53,942,177
	1942	2,796,798	998,124	57,479	9,344,388	25,767,343	5,295,913	13,520,462 e	49,113	62,761	47,248	57,939,629
	1943	3,150,839	861,015	229,826	9,149,647	24,082,663	5,463,150	17,396,092 f	101,977	73,037	10,903	64,112,589
	1944	3,644,877	1,147,941	299,349	9,427,467	24,810,042	5,743,444	18,834,594 g	147,756	46,216	*	55,901,235
	1945	3,345,258	1,121,228	292,662	8,083,021	21,073,255	5,001,063	16,731,289 h	187,007	66,452	*	61,978,710
	1946	3,166,205	1,457,754	141,800	9,058,331	22,770,658	6,342,793	18,811,399	105,862	123,908	-	58,227,985
	1947	2,933,809	1,507,884	28,731	8,538,164	21,990,960	6,779,549	16,259,688	46,785	142,415	-	59,108,810
	1948	2,801,893	1,679,495	10,254	8,610,881	21,591,846	6,937,340	17,275,544 i	63,230	138,327	-	44,710,118
	1949	2,126,682	1,380,732	61,389	6,221,743	15,989,846	5,200,490	13,538,194 j	23,585	167,457	-	46,339,255
	1950	1,988,317	1,281,807	52,275	6,526,466	17,112,757	5,211,307	14,066,493 k	26,690	73,143	-	42,389,055
	1951	1,894,035	985,177	30,133	5,775,808	14,882,432	5,749,967	13,021,079 m	28,762	21,662	-	40,067,130
	1952	1,899,297	760,695	868	5,303,545	13,774,952	5,326,146	12,977,572 n	24,055	-	-	30,495,391
	1953	1,561,836	745,649	21,811	3,555,642	10,201,927	4,247,561	10,142,880 o	18,085	-	-	26,612,312
	1954	1,272,419	568,733	52,281	2,903,470	10,675,181	3,283,315	7,836,675	20,238	-	-	25,934,792
	1955 #	1,749,692	639,990	212,239	2,594,928	9,921,275	2,749,383	8,057,660 p	9,625	-	6,361	28,175,633
	1956	1,746,287	841,201	254,495	3,232,566	9,762,253	3,524,853	8,801,402 q	5,715	-	-	25,163,466
	1957	1,107,042	850,479	195,499	2,680,409	8,389,265	3,415,614	8,518,317 r	6,841	-	-	20,456,475
	1958	623,195	888,009	123,861	2,094,170	6,774,033	2,600,831	7,307,839 s	15,174	1,680	27,683	19,670,615
	1959	518,252	692,224	142,720	2,147,827	6,172,748	2,551,604	7,432,081 t	8,052	-	5,107	19,670,615
	1960	519,583	474,234	129,002	1,853,008	5,380,696	2,414,599	6,933,916 u	13,828	679	1,568	17,721,113
	1961	579,106	464,421	108,542	1,194,971	5,307,953	2,004,278	6,827,844 v	16,534	1,645	1,318	16,506,612
	1962	497,925	411,185	110,384	1,079,459	6,090,572	1,702,891	6,583,012 w	10,786	9,512	589	16,496,315
	1963	727,445	445,749	230,324	964,475	6,412,375	2,082,968	6,531,130 x	8,729	-	8,007	17,411,202
	1964	551,442	910,704	237,555	879,898	5,649,906	2,267,083	6,011,519 y	15,081	-	1,499	16,524,687

Total production (net tons)

THIRTY-SIX YEAR STUDY OF ANTHRACITE, BY COUNTIES #

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
	1924	4,776	2,213	2,043	35,846	63,308	14,660	37,672	708	1,178	99	162,503
	1930	4,216	1,757	2,016	36,317	61,114	11,354	33,082	584	457	274	151,171
	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	21,547	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 a	290	42	20	97,021
	1939	4,686	1,943	904	17,875	43,344	7,637	16,494 b	215	235	19	93,352
	1940	4,376	1,664	867	16,860	43,238	7,397	16,039 c	187	145	17	90,790
	1941	4,446	1,489	587	14,974	43,726	6,815	16,615 d	144	37	16	88,849
	1942	4,433	1,486	553	14,388	39,219	6,498	16,945 e	104	38	43	83,707
	1943	4,337	1,316	130	13,064	35,807	6,485	18,052 f	164	14	*	79,369
	1944	4,940	1,711	149	12,344	33,660	6,409	18,721 g	211	*	*	78,145
	1945	4,588	1,954	195	11,400	32,888	5,877	19,127 h	207	29	*	76,265
	1946	4,599	2,162	300	12,010	34,526	6,124	20,613	181	41	*	80,556
	1947	4,891	2,319	152	12,381	33,869	6,636	20,302	127	53	*	80,730
	1948	4,637	1,963	61	12,222	34,282	6,521	20,523 i	140	41	*	80,390
	1949	4,420	1,760	83	11,702	35,040	6,009	20,047 j	104	44	*	79,209
	1950	3,739	1,705	125	11,005	33,176	5,852	19,458 k	101	70	*	75,231
	1951	3,872	1,496	153	10,410	30,596	5,583	18,159 m	79	9	*	70,357
	1952	3,279	1,352	40	9,717	28,512	5,538	17,937 n	63	-	-	66,438
	1953	2,987	1,298	71	8,496	23,974	4,949	15,116 o	61	-	-	56,952
	1954	2,483	957	72	7,074	17,202	4,090	12,747	106	-	-	44,731
	1955 #	2,197	1,121	203	4,954	14,399	4,380	10,123 p	20	-	-	37,397
	1956	2,092	1,104	210	4,415	14,218	3,169	9,806 q	7	-	-	35,029
	1957	1,892	1,143	191	4,309	12,442	3,239	9,544 r	7	-	-	32,767
	1958	837	1,064	167	3,448	9,642	3,022	8,512 s	25	3	18	26,738
	1959	613	853	208	3,235	8,397	2,857	7,923 t	22	-	4	24,112
	1960	759	583	208	2,937	6,002	2,817	6,928 u	21	4	10	20,269
	1961	349	416	201	2,167	5,126	2,689	5,998 v	16	3	6	16,971
	1962	339	387	223	1,523	4,558	2,115	5,538 w	13	2	6	14,704
	1963	387	366	187	1,239	4,626	1,994	5,497 x	13	-	14	14,323
	1964	334	549	188	1,171	4,538	1,948	4,832 y	19	-	5	13,584

Empl-oyes

## THIRTY-SIX 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	10,214,942	85,557	350,847	29,205	44,054,141
	1930	738,578	257,535	371,794	7,689,354	12,990,705	3,010,032	6,482,976	38,484	52,749	43,458	31,675,665
	1931	730,607	230,208	349,013	6,288,064	10,359,468	2,100,810	4,748,290	38,404	46,601	67,648	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	64,680	18,301,721
	1934	756,434	206,878	248,595	5,384,563	8,991,190	1,958,718	4,097,456	88,891	53,800	56,430	21,842,955
	1935	727,462	178,122	195,668	4,301,651	7,899,403	1,724,406	3,570,398	85,202	87,390	44,585	18,814,287
	1936	781,883	367,474	141,498	4,439,859	8,048,873	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	783,486	372,549	175,948	3,162,859	7,699,347	1,316,707	3,039,160 a	28,581	3,570	3,257	16,585,464
	1939	821,611	318,779	185,320	3,225,238	8,234,943	1,483,189	2,888,408 b	21,382	43,656	2,735	17,225,261
	1940	789,147	322,265	176,868	3,288,238	7,959,512	1,328,685	3,067,419 c	24,683	20,590	2,414	16,979,821
	1941	846,859	274,325	129,826	3,063,605	8,586,535	1,479,290	3,260,577 d	27,035	5,708	2,544	17,676,304
Man-days	1942	1,021,633	349,214	21,313	3,462,164	10,163,813	1,535,344	3,972,274 e	21,884	8,066	9,432	20,565,137
	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	*	21,400,826
	1944	1,446,126	500,067	46,488	3,703,717	10,246,301	1,681,792	5,125,620 g	59,589	*	*	22,809,700
	1945	1,213,929	522,380	50,878	3,075,875	9,007,593	1,516,281	4,783,602 h	53,892	5,054	*	20,229,484
	1946	1,203,296	506,786	22,220	3,308,524	9,599,152	1,572,477	5,179,903	39,356	16,225	*	21,447,939
	1947	1,320,100	626,568	2,873	3,382,378	9,602,447	1,790,623	5,639,097	23,233	5,202	*	22,392,531
	1948	1,259,080	319,830	12,152	3,409,360	9,641,708	1,725,123	5,130,772 i	28,335	7,704	*	21,534,064
	1949	870,672	511,400	9,553	2,618,620	6,578,335	1,405,854	4,338,959 j	12,760	16,320	*	16,362,473
	1950	823,173	526,441	24,361	2,541,870	6,642,519	1,961,803	5,035,437 k	14,265	30,131	*	17,600,000
	1951	738,600	369,305	27,540	2,420,001	6,110,011	1,693,285	4,340,356 m	13,652	2,250	-	15,715,005
	1952	699,734	301,122	10,857	2,041,500	5,989,000	1,149,720	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	164,373	15,110	839,153	3,085,312	948,934	2,264,934	5,849	-	-	7,691,416
	1955 #	377,622	152,351	31,643	842,613	3,015,005	519,882	1,768,767 p	1,953	-	-	6,709,836
	1956	414,199	202,062	45,290	983,114	2,982,331	666,321	2,009,587 q	2,142	-	544	7,305,590
	1957	267,133	213,100	39,381	825,397	2,364,390	670,183	1,803,776	1,820	-	-	6,185,180
	1958	146,841	181,801	32,798	555,748	1,812,300	558,029	1,574,124 s	4,286	600	3,618	4,870,145
	1959	88,229	142,597	32,264	602,415	1,370,903	535,469	1,382,621 t	2,950	-	536	4,157,984
	1960	77,790	77,423	33,350	531,703	1,274,306	486,175	1,151,822 u	4,500	340	900	3,638,309
	1961	79,052	69,179	32,200	438,525	1,139,925	408,027	1,149,644 v	4,176	363	696	3,321,787
	1962	79,582	64,902	33,008	299,472	997,943	390,864	1,123,798 w	2,159	368	246	2,992,342
	1963	102,359	55,766	38,158	259,189	1,098,611	432,184	1,100,426 x	1,730	-	2,576	3,090,999
	1964	68,057	104,052	37,552	250,347	1,057,471	408,207	1,002,987 y	1,624	-	310	2,930,607

## THIRTY-SIX 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	164	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	142	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
	1942	230	235	39	241	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	242	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



## THIRTY-SIX YEAR STUDY OF ANTHRACITE, BY COUNTIES #

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB.	SCHUYLKILL	SULLIVAN	SUSQUE.	MAYNE	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	-	-	1	241
	1937	5	6	9	35	102	15	38	1	-	-	212
	1938	6	4	5	49	102	13	44	-	-	-	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
	1942	4	6	-	35	128	7	35	-	-	-	225
	1943	7	5	-	36	103	13	54	-	-	-	218
	1944	12	4	1	27	70	15	32	1	-	-	171
	1945	6	6	-	27	53	13	32	-	-	-	138
	1946	6	6	-	27	79	12	38	1	-	-	169
	1947	4	5	-	25	104	13	15	-	-	-	166
	1948	5	3	-	19	65	5	34	-	-	-	131
	1949	3	1	-	8	60	2	18	-	-	-	92
	1950	4	2	-	8	52	9	11	-	-	-	86
	1951	4	3	-	13	44	8	22	-	-	-	94
	1952	8	5	-	10	37	10	22	-	-	-	92
	1953	3	1	-	7	30	3	15	-	-	-	59
	1954	1	2	-	7	27	2	8	-	-	-	47
	1955 #	5	-	-	5	32	6	12	-	-	-	60
	1956	4	-	-	7	23	6	14	-	-	-	54
	1957	3	4	1	7	20	6	10	-	-	-	51
	1958	-	1	-	2	15	4	9	-	-	-	31
	1959	1	2	-	6	24	4	9	-	-	-	46
	1960	1	1	-	11	14	3	5	-	-	-	35
	1961	1	-	-	1	10	3	4	-	-	-	19
	1962	-	-	-	3	11	1	14	-	-	-	26
	1963	1	1	-	3	12	4	9	-	-	-	30
	1964	-	-	-	1	7	8	8	-	-	-	24

Fatal-  
ities

## THIRTY-SIX YEAR STUDY OF ANTHRACITE, BY COUNTIES #

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB.	SCHUYLKILL	SULLIVAN	SUSQUE.	MAYNE	DIVISION
	1924	241,347	94,975	159,007	163,139	179,851	189,672	174,893	-	655,000	-	175,963
	1930	159,467	-	173,473	141,786	167,415	232,734	127,425	-	91,296	40,994	154,902
	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	84,135	198,801	166,621	369,938	249,515	-	-	124,196	203,710
	1933	536,803	-	652,057	187,972	180,559	364,479	238,419	63,051	-	-	213,395
	1934	293,953	229,380	315,918	210,861	188,056	240,296	274,722	189,070	89,618	-	218,458
	1935	425,755	274,934	78,495	208,745	171,213	341,830	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	172,241	199,664	314,676	222,141	-	-	-	207,487
	1939	359,165	192,869	158,987	199,969	216,460	370,403	366,138	-	124,791	-	244,761
	1940	362,558	513,183	168,519	264,586	243,785	449,946	340,672	-	-	-	283,112
	1941	300,218	533,736	172,773	242,536	248,127	704,868	337,776	-	-	-	285,408
	1942	699,200	166,354	-	266,983	201,307	330,995	375,568	-	-	-	257,509
	1943	450,120	172,203	-	254,157	233,812	420,242	322,150	-	-	-	277,577
	1944	303,740	286,985	299,349	254,796	354,429	382,896	588,581	-	-	-	374,927
	1945	557,543	186,871	-	299,371	397,609	384,697	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	-	341,527	211,452	521,504	1,083,979	-	-	-	350,771
	1948	560,379	559,832	-	453,204	332,182	1,387,468	508,104	-	-	-	451,212
	1949	708,894	1,380,732	-	777,718	266,497	2,600,245	752,121	-	-	-	485,980
	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	-	-	-	450,947
	1952	237,412	152,139	-	530,355	372,296	532,615	589,890	-	-	-	435,512
	1953	520,612	745,649	-	507,949	340,064	1,415,854	676,192	-	-	-	516,871
	1954	1,272,419	284,366	-	414,781	395,377	1,641,657	979,584	-	-	-	566,219
	1955#	349,938	-	-	518,986	310,040	458,231	671,472	-	-	-	432,247
	1956	436,572	-	-	461,795	424,468	587,476	628,672	-	-	-	521,771
	1957	369,014	212,620	195,499	382,916	419,463	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	-	-	-	-	553,688	1,702,891	469,279	-	-	-	634,474
	1963	727,455	445,749	-	321,491	534,365	520,742	720,548	-	-	-	580,373
	1964	-	-	-	879,898	807,129	283,385	747,312	-	-	-	688,529

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## THIRTY-SIX 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	14.05	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	14.11	26.04	-	44.35	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	28.42	15.49	13.25	9.87	14.48	-	-	-	13.45
Fatal-	1939	8.52	15.68	16.19	14.26	13.11	8.76	9.35	-	22.91	-	12.19
ities	1940	7.60	6.21	16.96	10.64	11.68	7.53	10.76	-	-	-	10.72
per	1941	9.45	7.29	15.41	12.08	11.41	4.73	10.73	-	-	-	10.69
mil-	1942	3.92	17.18	-	10.11	12.59	10.42	9.06	-	-	-	10.94
lion	1943	6.05	14.24	-	10.08	10.40	7.74	11.59	-	-	-	10.19
man-	1944	8.30	8.00	21.51	9.99	6.83	8.92	6.24	-	-	-	7.50
days	1945	4.94	11.49	-	8.78	5.88	8.57	6.69	18.56	-	-	6.82
	1946	4.99	11.84	-	8.16	8.23	7.63	7.34	25.41	-	-	7.88
	1947	3.03	7.98	-	7.39	10.83	7.26	2.66	-	-	-	7.41
	1948	3.97	9.38	-	5.57	6.74	2.90	6.63	-	-	-	6.08
	1949	3.45	1.96	-	3.06	9.12	1.42	4.15	-	-	-	5.62
	1950	4.86	3.80	-	3.15	7.83	4.59	2.18	-	-	-	4.89
	1951	5.42	8.12	-	5.37	7.20	4.72	5.07	-	-	-	5.98
	1952	11.43	16.60	-	4.90	6.18	8.70	5.80	-	-	-	6.57
	1953	5.97	4.73	-	5.01	6.69	3.41	5.60	-	-	-	5.80
	1954	2.72	1.22	-	8.34	8.75	2.11	3.53	-	-	-	6.11
	1955 #	13.24	-	-	5.93	10.61	11.54	6.78	-	-	-	8.94
	1956	9.66	-	-	7.12	7.71	9.00	6.97	-	-	-	7.39
	1957	11.23	18.77	25.39	8.48	8.46	8.95	5.54	-	-	-	8.25
	1958	-	5.50	-	3.60	8.28	7.17	5.72	-	-	-	6.37
	1959	11.33	14.03	-	9.96	17.51	7.47	6.51	-	-	-	11.06
	1960	12.86	12.92	-	20.68	10.99	6.17	4.34	-	-	-	9.62
	1961	12.65	-	-	2.28	8.77	7.35	3.47	-	-	-	5.72
	1962	-	-	-	-	11.02	2.56	12.46	-	-	-	8.69
	1963	9.77	17.93	-	11.57	10.92	9.26	8.18	-	-	-	9.71
	1964	-	-	-	3.99	6.62	19.60	7.98	-	-	-	8.19

## 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	"	"	990	"	"	"	"
c -	"	17,330	"	13	"	136	"	"	1,773	"	"	"	"
d -	"	30,716	"	26	"	187	"	"	4,856	"	"	"	"
e -	"	35,641	"	39	"	118	"	"	4,593	"	"	"	"
f -	"	21,981	"	22	"	257	"	"	5,654	"	"	"	"
g -	"	21,550	"	14	"	210	"	"	2,940	"	"	"	"
h -	"	37,690	"	41	"	241	"	"	9,881	"	"	"	"
i -	"	21,982	"	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	"	46	"	"	460	"	"	"	"
p -	"	3,752	"	20	"	120	"	"	2,408	"	"	"	"
q -	"	6,359	"	22	"	107	"	"	2,358	"	"	"	"
r -	"	3,550	"	5	"	188	"	"	940	"	"	"	"
s -	"	9,106	"	6	"	98	"	"	588	"	"	"	"
t -	"	4,450	"	6	"	153	"	"	918	"	"	"	"
u -	"	2,770	"	3	"	230	"	"	690	"	"	"	"
v -	"	13,654	"	5	"	72	"	"	360	"	"	"	"
w -	"	13,101	"	7	"	118	"	"	824	"	"	"	"
x -	"	46,192	"	15	"	192	"	"	2,893	"	"	"	"
y -	"	33,019	"	14	"	124	"	"	1,737	"	"	"	"

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  
DEEP MINED, STRIPPING AND BANK  
EMPLOYES AND FATALS

BY COUNTY  
1964

Counties	Production of Mines Employing Five or More Persons			Production of Mines Employing Fewer Than Five Persons		Percentage of Total Production	Employees By County					Total Em- ploy- es	Total Fatal- ities
	Deep	Stripping	Bank	Deep Mined	Total		Deep	Small Deep	Total Deep	Strip	Bank		
Carbon	27,620	351,649	168,093	4,080	551,442	3.34%	26	11	37	264	33	334	-
Columbia	53,781	647,215	160,429	49,279	910,704	5.51%	49	92	141	361	47	549	-
Dauphin	18,626	22,664	141,747	54,518	237,555	1.44%	74	87	161	11	16	188	-
Lackawanna	335,120	379,984	158,923	5,871	879,898	5.32%	765	25	790	300	81	1,171	1
Lebanon	-	32,080	939	-	33,019	0.20%	-	-	-	12	2	14	-
Luzerne	2,372,468	2,185,564	1,085,119	6,755	5,649,906	34.19%	2,644	15	2,659	1,588	291	4,538	7
Northumberland	591,837	787,316	454,850	433,080	2,267,083	13.72%	875	682	1,557	299	92	1,948	8
Schuylkill	1,991,202	2,827,650	842,028	317,620	5,978,500	36.18%	2,024	741	2,765	1,745	308	4,818	8
Sullivan	303	14,778	-	-	15,081	0.09%	2	-	2	17	-	19	-
Susquehanna	-	-	-	-	-	-	-	-	-	-	-	-	-
Wayne	-	-	1,179	320	1,499	0.01%	-	3	3	-	2	5	-
<b>Division Total</b>	<b>5,390,957</b>	<b>7,248,900</b>	<b>3,013,307</b>	<b>871,523</b>	<b>16,524,687</b>		<b>6,459*</b>	<b>1,656</b>	<b>8,115*</b>	<b>4,597*</b>	<b>872*</b>	<b>13,584*</b>	<b>24#</b>
<b>Percentage of Total Production</b>	<b>32.62%</b>	<b>43.87%</b>	<b>18.23%</b>	<b>5.28%</b>	<b>100.00%</b>	<b>100.00%</b>							

NOTE: \* Includes Breaker and Washery Employees.  
# Includes Two (2) Fatalities Chargeable to Deep Mines Employing Fewer Than Five (5) Persons.

ANTHRACITE PRODUCTION (DEEP MINED, STRIPPING AND BANK), FATALITIES, PRODUCTION PER FATAL AND EMPLOYEES  
1964

Dist- rict	Inspector	Deep Mined	Stripping	Bank	Total Production	Fatal- ities Deep	Fatal- ities Strip	Fatal- ities Bank	Total Fatal- ities	Production Per Fatal	TOTAL EMPLOYEES
1	W. A. Sanders, Actg.	75,177	299,344	62,846	437,367	1	-	-	1	437,367	474
3	W. A. Sanders	259,943	80,640	97,256	437,839	-	-	-	-	-	674
11	T. M. Beaney	725,584	972,432	160,732	1,858,748	1	-	-	1	1,858,748	1,472
12	J. A. Bugel	59,259	29,728	158,334	247,321	-	-	-	-	-	159
13	W. R. Devens	1,008,249	191,750	16,381	1,216,380	5	-	-	5	243,276	1,313
14	K. C. Lee	623,954	116,191	102,378	842,523	1	-	-	1	842,523	886
15	P. P. Hino, Actg.	36,470	1,276,200	809,953	2,122,623	-	-	-	-	-	1,196
16	F. C. O'Connor	610,024	-	-	610,024	1	-	-	1	610,024	390
17	G. F. Kettle	97,054	490,062	28,775	615,891	-	-	-	-	-	187
18	J. J. Shober, Jr., Actg.	152,942	811,991	246,539	1,211,472	1	-	-	1	1,211,472	643
19	J. J. Shober, Jr.	30,579	299,572	82,839	412,990	-	-	-	-	-	234
20	G. P. Gallagher	74,801	97,108	202,018	373,927	-	-	-	-	-	233
21	A. J. Latz	189,152	459,363	85,371	733,886	-	1	-	1	733,886	561
22	J. R. Ruane	10,653	677,456	160,429	848,538	-	-	-	-	-	513
23	J. P. Brophy	87,644	127,458	-	215,102	-	-	-	-	-	179
24	H. E. Shomper	258,010	58,596	109,905	426,511	3	-	-	3	142,170	580
25	Walter Davis	388,095	65,349	-	453,444	1	-	-	1	453,444	432
26	P. P. Hino	25,064	340,575	408,943	774,582	1	-	-	1	774,582	494
27	R. O. Schneider	278,979	742,371	125,717	1,147,067	1	-	-	1	1,147,067	855
28	A. A. Joyce	96,268	53	3,188	99,509	4	-	-	4	24,877	101
29	H. R. Reese	21,188	80,488	110,964	212,640	-	-	-	-	-	101
30	W. D. Maurer	281,868	32,173	40,739	354,780	1	-	-	1	354,780	251
<b>Subtotal</b>		<b>5,390,957</b>	<b>7,248,900</b>	<b>3,013,307</b>	<b>15,653,164</b>	<b>21</b>	<b>1</b>	<b>-</b>	<b>22</b>	<b>711,507</b>	<b>11,928</b>
<b>LTFM</b>		<b>871,523</b>	<b>-</b>	<b>-</b>	<b>871,523</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>435,761</b>	<b>1,656</b>
<b>Division Total</b>		<b>6,262,480</b>	<b>7,248,900</b>	<b>3,013,307</b>	<b>16,524,687</b>	<b>23</b>	<b>1</b>	<b>-</b>	<b>24</b>	<b>688,529</b>	<b>13,584</b>

LTFM - Denotes Mines Employing Less Than Five (5) Men.



SUMMARY OF ANTHRACITE MINES, PRODUCTION AND FATALITIES BY DISTRICT  
1964

Dist- rict	Inspector	Total No. of Operators	No. of Deep Mines	No. of Small Deep Mines*	No. of Strip of Mines	No. of Banks	Total No. of Mines	No. of Gaseous Mines	No. of Non- Gaseous Mines	Deep Em- ployes*	Strip Em- ployes	Bank Em- ployes	Washery & Total Breaker Em- ployes	No. of Em- ployes	Deep Mined Production*	Strip Mined Production	Bank Mined Production	Total Production	Fatals	Production Per Fatal
1	W. A. Sanders, Actg.	40	17	10	20	11	48	5	12	147	175	50	130	502	81,368	299,344	62,846	443,558	1	443,558
3	W. A. Sanders	11	11	-	7	3	21	9	2	482	60	18	114	674	259,943	80,640	97,256	437,839	-	-
11	T. M. Beaney	29	18	-	18	6	42	18	-	597	721	22	132	1,472	725,584	972,432	160,732	1,858,748	1	1,858,748
12	J. A. Bugel	65	50	42	3	5	58	-	50	182	14	15	79	290	137,722	29,728	158,334	325,784	-	-
13	W. R. Devens	3	11	-	9	3	23	11	-	563	73	14	253	1,008,249	191,750	16,381	1,216,380	5	243,276	
14	K. C. Lee	2	5	-	5	1	11	5	-	703	55	15	113	886	623,954	116,191	102,378	842,523	1	842,523
15	P. P. Hino, Actg.	32	18	13	24	12	54	2	16	116	566	175	382	1,239	48,936	1,276,200	809,953	2,135,089	-	-
16	F. C. O'Connor	34	35	4	-	-	35	15	20	368	-	-	32	400	610,792	-	-	610,792	1	610,792
17	G. F. Kettle	40	37	30	6	1	44	10	27	175	87	3	25	290	197,870	490,062	28,775	716,707	-	-
18	J. J. Shober, Actg.	55	31	18	12	9	52	6	25	168	345	41	146	700	176,606	811,991	246,539	1,235,136	1	1,235,136
19	J. J. Shober	59	46	43	6	4	56	1	45	155	136	27	49	367	76,786	299,572	82,839	459,197	-	-
20	G. P. Gallagher	68	51	43	11	5	67	12	39	198	86	16	72	372	146,810	97,108	202,018	445,936	10	445,936
21	A. J. Latz	85	63	48	16	6	85	16	47	303	217	24	162	706	235,300	459,363	85,371	780,034	20	390,017
22	J. R. Ruane	38	26	24	10	2	38	4	22	103	355	23	113	594	38,652	677,456	160,429	876,537	-	-
23	J. P. Brophy	48	43	36	5	-	48	5	38	206	68	-	15	289	135,000	127,458	-	262,458	-	-
24	H. E. Shomper	46	31	28	8	2	41	1	30	384	45	17	209	655	293,743	58,596	109,905	462,244	3	154,081
25	Walter Davis	38	28	20	4	-	32	7	21	314	30	-	155	499	445,674	65,349	-	511,023	1	511,023
26	P. P. Hino	50	37	26	3	8	48	-	37	150	114	72	242	578	46,817	340,575	408,943	796,335	1	796,335
27	R. O. Schneider	57	53	20	13	4	70	17	36	399	334	26	167	926	329,731	742,371	125,717	1,197,819	1	1,197,819
28	A. A. Joyce	40	41	31	1	1	43	19	22	187	3	2	14	206	191,660	53	3,188	194,901	4	48,725
29	H. R. Reese	74	67	65	6	2	75	2	65	203	62	11	10	286	131,009	80,488	110,964	322,461	-	-
30	M. D. Maurer	58	53	28	4	2	59	9	44	261	14	7	58	340	320,274	32,173	40,739	393,186	1	393,186
Division Total		972#	772*	529	191	87	1,050	174	598	6,764*	3,560	578	2,682	13,584	6,262,480*	7,248,900	3,013,307	16,524,687	240	688,529

NOTE: # Due to some companies operating in more than one district, the actual total number of Anthracite Coal Operators is 876.  
 Due to some companies operating in more than one district, the actual total number of Anthracite Strip Operators is 96.  
 \* These Small Deep Mines are included in the total number of Deep Mines; 1,656 Small Deep employees are included in Deep employees; 871,523 Small Deep Production is included in Deep Mined Production.  
 @ Includes fatalities which occurred in Deep Mines Employing Fewer Than Five (5) Persons.

Production, How Shipped, Average Days Worked, Employees, Explosives  
Fatal and Nonfatal Accidents

By Inspection District - 1964

For Mines Employing More Than Five Persons

Dist- rict	Production - Net Tons				Total production	Pounds permiss- ible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyes	Fatal acci- dents	Non- fatal acci- dents
	Shipped to Market By railroad	Sold to By truck	Used at colliery for steam and heat	Sold to local trade							
1	243,553	81,762	111,901	151	437,367	897,309	54,450	217	474	1	34
3	185,016	63,211	188,981	631	437,839	513,900	53,800	213	674	-	65
11	893,955	458,334	468,088	38,371	1,858,748	1,403,604	1,962,359	247	1,472	1	224
12	164,954	45,970	36,099	298	247,321	29,000	860	230	159	-	8
13	741,600	202,915	269,427	2,438	1,216,380	1,216,475	49,519	238	1,313	5	285
14	511,707	155,319	174,990	507	842,523	575,925	482,550	239	886	1	142
15	1,023,689	889,313	201,605	8,016	2,122,623	8,601,238	1,131,882	193	1,196	-	27
16	172,988	335,211	98,064	3,761	610,024	512,855	-	274	390	1	59
17	342,652	192,696	79,160	1,383	615,891	40,800	250,995	280	187	-	12
18	517,921	552,447	139,922	1,182	1,211,472	967,238	1,650,092	233	643	1	43
19	260,254	57,980	93,886	870	412,990	6,822,902	3,550	195	234	-	17
20	244,324	79,364	50,039	200	373,927	226,213	110,956	150	233	-	3
21	298,856	274,285	158,399	2,346	733,886	4,401,637	67,575	192	561	1	38
22	434,407	367,153	46,795	183	848,538	3,300	7,746,064	222	513	-	11
23	112,833	54,410	47,859	-	215,102	1,152,392	-	216	179	-	6
24	158,973	187,462	78,296	1,780	426,511	368,075	73,575	233	580	3	62
25	175,332	124,646	151,018	2,448	453,444	211,275	302,634	247	432	1	38
26	628,273	90,652	55,519	138	774,582	6,614,936	77,170	158	494	1	32
27	587,839	396,222	162,230	776	1,147,067	299,221	9,293,672	223	855	1	66
28	21,129	67,460	10,864	56	99,509	47,300	1,400	250	101	4	5
29	131,355	52,566	28,411	308	212,640	57,895	12,400	188	101	-	3
30	162,633	108,753	82,791	603	354,780	152,400	4,100	248	251	1	17
Total	8,014,243	4,838,131	2,734,344	66,446	15,653,164	35,113,890	23,329,603	224	11,928	22	1,197

SUMMARY OF REPORT COVERING  
MINES EMPLOYING FEWER THAN FIVE PERSONS

1964

Dist- rict	Number of Operators	Number of Mines	Total Production	Days Worked	Employees	Fatal Accidents	Production Per Fatal	Non-fatal Accidents
1	10	10	6,191	145	28	-	-	-
3	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-
12	40	42	78,463	165	131	-	-	1
13	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-
15	11	13	12,466	135	43	-	-	-
16	4	4	768	52	10	-	-	-
17	25	30	100,816	219	103	-	-	3
18	18	18	23,664	145	57	-	-	1
19	43	43	46,207	144	133	-	-	-
20	43	43	72,009	153	139	1	72,009	4
21	44	48	46,148	118	145	1	46,148	2
22	24	24	27,999	136	81	-	-	1
23	36	36	47,356	160	110	-	-	-
24	22	28	35,733	147	75	-	-	2
25	17	20	57,579	183	67	-	-	-
26	24	26	21,753	142	84	-	-	-
27	20	20	50,752	203	71	-	-	4
28	27	31	95,392	182	105	-	-	1
29	64	65	109,821	165	185	-	-	1
30	28	28	38,406	143	89	-	-	2
Division Total	500	529	871,523	158	1,656	2	435,761	22

SUMMARY OF EMPLOYES BY DISTRICT  
ANTHRACITE DIVISION -- 1964

Dist- rict	INSIDE EMPLOYEES					Total Inside	Super- intendents	OUTSIDE EMPLOYEES			Total Outside	GRAND TOTAL Inside & Outside
	Mine Foreman	Miners	Miners Laborers	All Other				Office	Breaker	All Other		
1	8	32	60	6	106	29	8	130	201	368	474	
3	23	110	164	96	393	20	27	114	120	281	674	
11	39	171	217	68	495	47	26	132	772	977	1,472	
12	9	19	12	-	40	2	-	79	38	119	159	
13	32	191	381	285	889	12	7	263	142	424	1,313	
14	17	112	227	201	557	7	3	113	206	329	886	
15	5	36	15	7	63	47	45	382	659	1,133	1,196	
16	35	177	48	37	297	1	-	32	60	93	390	
17	8	41	6	5	60	12	-	25	90	127	187	
18	14	46	16	5	81	31	12	146	373	562	643	
19	3	11	3	1	18	13	3	49	151	216	234	
20	8	31	8	-	47	23	2	72	89	186	233	
21	19	80	25	5	129	29	4	162	237	432	561	
22	2	13	3	1	19	21	5	113	355	494	513	
23	9	56	13	4	82	7	1	15	74	97	179	
24	14	196	52	45	307	10	3	209	51	273	580	
25	15	128	67	12	222	10	3	155	42	210	432	
26	12	31	11	-	54	10	1	242	187	440	494	
27	39	135	78	12	264	31	2	167	391	591	855	
28	13	32	14	2	61	7	1	14	18	40	101	
29	3	6	4	1	14	8	7	10	62	87	101	
30	26	70	28	14	138	9	-	58	46	113	251	
Total	353	1,724	1,452	807	4,336	386	160	2,682	4,364	7,592	11,928 *	

NOTE: \* Employees of Deep Mines Employing Fewer Than Five (5) Persons are not included in this report.

ANTHRACITE COAL DIVISION  
OPERATORS PRODUCING 50,000 OR MORE TONS

1964

Dist- rict	Operator	Production
1-11-13-14	Glen Alden Corporation	2,258,794
11-15-19-		
22-26-27	Lehigh Valley Anthracite, Inc.	1,721,463
17-19-21-		
23-26-27	Reading Anthracite Co.	1,489,394
11-14-20-		
23-24	Susquehanna Coal Co.	895,173
18	Greenwood Stripping Corporation	803,317
15-20-29	Racho, George	642,761
15-22	Jeddo-Highland Coal Co.	628,607
22-26-27	Gilberton Coal Co.	472,707
15	Honeybrook Mines, Inc.	305,252
3	Moffat Coal Co., Inc.	293,353
17-24	Rosini Coal Co.	199,792
1	Carbondale Coal Co.	199,703
22-27	Capparell Stripping & Construction Co.	199,431
18-19-		
21-30	Manbeck Dredging Co., Inc.	184,300
25	Penag Coal Co.	165,666
15	Jeddo-Highland Coal Company	147,433 *
12	Gangloff Bros.	120,000
15	Cunningham Coal Co.	110,834
25	Jewell Ridge Coal Co.	100,400
11	C. B. M. Coal Co.	93,773
16	Bush Coal Co.	89,134
11	V-R Coal Corp.	85,696
20-22	Kerris & Helfrick, Inc.	82,867
15-26	Huss, George	78,693
20	State Coal Co., Inc.	69,567
21-25-27	Hegins Mining Co.	67,178
13	San Mining Co., Inc.	66,615
24	Yudacufski Brothers	61,006
16	Williamson Coal Co., A. R.	60,047
26	Coleby Coal Co.	58,549
27	Mercury Coal Co.	57,521
18	Bliss & Son, Inc., R. T.	56,840
21	Koris & Co., Inc.	56,673
19	Dale Contracting Co.	56,464
21	Schuykill Contracting Co.	55,581
22	Sanchez Construction Co.	53,192
11	Scranton Excavating Co.	51,823
1	Village Slope Coal Co.	50,137

NOTE: \* Jeddo-Highland Coal Company sold its lands and mining properties on April 1, 1964 to Hazleton Land Corporation and changed its corporate name to The Markle Investment Company. Hazleton Land Corporation is changing its corporate name to Jeddo-Highland Coal Co., and under that name will carry on the mining and coal business formerly conducted by The Markle Investment Company. Despite the similarity of names, Jeddo-Highland Coal Co. has no corporate relationship to the former Jeddo-Highland Coal Company.

PRODUCTION AND ACCIDENT RECORD  
FOR OPERATORS HAVING A FATALITY

1964

Operator	Deep Mined	Stripping	Bank	Total Production	Fatal Accidents			Total	Non-Fatals	Production Per Fatal	Employees
					Deep	Strip	Bank				
Glen Alden Corporation	1,565,588	555,435	137,771	2,258,794	6	1	1	6	429	376,465	2,251
Lehigh Valley Anthracite, Inc.	48,638	1,619,749	53,076	1,721,463	1	1	1	3	98	1,721,463	796
Reading Anthracite Co.	-	1,127,113	362,281	1,489,394	-	1	1	2	49	1,489,394	565
Susquehanna Coal Co.	796,618	98,555	-	895,173	3	-	-	3	162	298,391	989
Jewell Ridge Coal Co.	100,400	-	-	100,400	1	-	-	1	-	100,400	60
Mercury Coal Co.	57,521	-	-	57,521	1	-	-	1	12	57,521	50
Village Slope Coal Co.	50,137	-	-	50,137	1	-	-	1	15	50,137	56
Farey & Inhat Coal Co.	30,300	-	-	30,300	1	-	-	1	2	30,300	14
J. & C. Coal Co.	19,221	-	-	19,221	1	-	-	1	4	19,221	17
Fireside Mining, Inc.	10,707	-	-	10,707	1	-	-	1	2	10,707	12
Bednarczyk Coal Co.	9,598	-	-	9,598	4	-	-	4	2	2,399	9
Zlocki Coal Co. ®	1,500	-	-	1,500	1	-	-	1	1	1,500	3
Walinchus Contracting Co.	1,075	-	-	1,075	1	-	-	1	1	1,075	9
Minchoff Coal Co. ®	365	-	-	365	1	-	-	1	1	365	4
Total production for operators with a fatality	2,691,668	3,400,852	553,128	6,645,648	23	1	-	24	775	276,902	4,835
Total production for operators without a fatality	3,570,812	3,848,048	2,460,179	9,879,039	-	-	-	-	444	-	8,749
Division Total	6,262,480	7,248,900	3,013,307	16,524,687	23	1	-	24	1,219	688,529	13,584

NOTE: ® Denotes Mines Employing Less Than Five (5) Men.



CAUSES OF ANTHRACITE FATAL ACCIDENTS, BY COUNTY, 1964

	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	-	3	1	4	-	-	-	9	37.49%
Rush of Material	-	-	-	-	-	-	-	1	-	-	-	1	4.17%
Transportation	-	-	-	-	-	2	-	1	-	-	-	3	12.50%
Fall of Person	-	-	-	-	-	1	-	1	-	-	-	2	8.33%
Drowning	-	-	-	-	-	-	1	-	-	-	-	1	4.17%
Explosion of Methane Gas	-	-	-	-	-	-	3	-	-	-	-	3	12.50%
Explosion of Dynamite	-	-	-	-	-	-	3	-	-	-	-	3	12.50%
Miscellaneous	-	-	-	-	-	1	-	-	-	-	-	1	4.17%
<b>Total Inside</b>	-	-	-	1	-	7	8	7	-	-	-	23	95.83%
<u>OUTSIDE</u>													
Fall of Person	-	-	-	-	-	-	-	1	-	-	-	1	4.17%
<b>Total Outside</b>	-	-	-	-	-	-	-	1	-	-	-	1	4.17%
<b>GRAND TOTAL</b>	-	-	-	1	-	7	8	8	-	-	-	24	100.00%
Percentage of total accidents	-	-	-	4.17%	-	29.17%	33.33%	33.33%	-	-	-	100.00%	

ANTHRACITE FATAL ACCIDENT VICTIMS - 1964

Dist- rict	Name of Victim	Victim's Address	Company	Mine	Date of Accident	Cause of Accident
13	Stanley J. Kuklewicz	Sugar Notch	Glen Alden Corporation	Sugar Notch Colliery-Ought Tunnel	Jan. 4	Cars (Inside)
16	Edmund Goverick	Kulpmont	J. & C. Coal Co.	Skidmore North Dip Slope	Jan. 17	Rush of Material(Inside)
27	Melvin Bowman	Hegins	Mercury Coal Co.	No. 4	Jan. 25	Roof Fall
28	Victor Hynoski	Shamokin	Bednarczyk Coal Co.	No. 2 Slope	Feb. 3	Explosion of Gas & Dust
28	Joseph A. Bednarczyk	Shamokin	" " "	" " "	" "	" " " " "
28	Leroy F. Bednarczyk	Shamokin	" " "	" " "	" "	" " " " "
24	Lawrence D. Erdman	Shamokin	Susquehanna Coal Co. (Gap Anthracite Coal Co.)	West Drift No. 14 Slope	Feb. 26	Explosion of Dynamite
24	Joseph C. Deroba	Trevorton	" " " "	" " " " "	" "	" " " " "
24	Stephen Halcovich	Shamokin	" " " "	" " " " "	" "	" " " " "
26	George Wilner	Delano	Walinchus Contracting Co.	Lykens Slope	Apr. 3	Roof Fall
13	Edward J. Bonk	Wilkes-Barre	Glen Alden Corporation	No. 5 Slope	Apr. 14	Cars (Inside)
1	Pietro Lorenzetti	Jessup	Village Slope Coal Co., Inc.	New County Slope	Apr. 17	Roof Fall
13	Paul Jones	Warrior Run	Glen Alden Corporation	Huber Breaker	Apr. 17	Fall of Person(Outside)
14	Thomas Banks	Hunlock Creek	Glen Alden Corporation	Wanamie No. 18	May 20	Roof Fall
28	Francis J. Fox	Shamokin	Bednarczyk Coal Co.	No. 2 Slope	June 3	Roof Fall
13	Joseph Karbosky	Ashley	Glen Alden Corporation	Huber Colliery-Red Ash Shaft	Sep. 10	Fall of Rib Coal
25	John Nush	Minersville	Jewell Ridge Coal Co.	Primrose Slope No. 2	Oct. 7	Fall of Roof
21	Joseph W. Bartnick	Minersville	Minchoff Coal Co.	Tracy Slope	Oct. 20	Rush of Material
21	William F. Shannon	Mount Carmel	Reading Anthracite Co.	New Saint Nicholas Breaker	Nov. 4	Fall of Person(Outside)
18	Joseph Olexo	Minersville	Farley & Ihnat Coal Co.	Little Buck Slope	Nov. 12	Fall of Person(Inside)
13	George Wargo	Hanover Township	Glen Alden Corporation	Red Ash Shaft	Nov. 14	Miscellaneous(Inside)
20	Joseph Kopitsky	Ranshaw	Zlocki Coal Co.	No. 6 Vein South Dip Slope	Nov. 16	Drowning (Inside)
11	Lawrence Malachefski	Plymouth	Lehigh Valley Anthracite, Inc.	No. 4 Tunnel Drift-Franklin Col.	Dec. 21	Roof Fall
30	Francis Weikel	Girardville	Fireside Mining Co., Inc.	No. 1 Vein Slope	Dec. 21	Cars (Inside)

## ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1964

Year	Date	Colliery	Company	Location of Colliery	Cause of Accident	Number Killed
1847	Feb.	Spencer	Spencer Coal Co.	Pottsville	Explosion of gas	7
1869	Sept. 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	Heckscher & Co., R.	Shenandoah	Explosion of gas	5
1884	Aug. 21	Buck Ridge	Philadelphia & Reading Coal & Iron Co.	Shamokin	Mine fire	7
1885	Apr. 6	Cuyler	Heaton & Co., S. M.	Raven Run	Fall of roof	10
	Aug. 11	West End	West End Coal Co.	Mocanaqua	Suffocated by gas from boiler fire	10
	Oct. 21	Plymouth #2	D. & H. Coal Co.	Plymouth	Explosion of gas	6
	Dec. 18	Nanticoke #1	Susquehanna Coal Co.	Nanticoke	Inrush of quicksand	26
1886	Aug. 30	Fair Lawn	Fair Lawn Coal Co.	Scranton	Explosion of gas	6
	Sept. 13	Marvine	D. & H. Coal Co.	Scranton	Suffocated by gas	8
	Nov. 26	Conyngham	D. & H. Coal Co.	Wilkes-Barre	Explosion of gas	12
1887	Apr. 27	Tunnel	Philadelphia & Reading Coal & Iron Co.	Ashland	Suffocated by gas	5
	Oct. 1	Bast	Philadelphia & Reading Coal & Iron Co.	Big Mine Run	Explosion of gas	5
1889	May 9	Kaska, William	L. C. & N. Co.	Middleport	Car fell on cage in shaft	10
1890	Feb. 1	Nottingham	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	8
	Mar. 3	S. Wilkes-Barre #3	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	8
	Apr. 2	Susquehanna #4	Susquehanna Coal Co.	Nanticoke	Explosion of gas	5
	May 15	Jersey #8	Lehigh & Wilkes-Barre Coal Co.	Ashley	Explosion of gas	26
1891	Feb. 4	Spring Mountain #1	Spring Mountain Coal Co.	Jeanesville	Drowned-water from old workings	13
	Oct. 23	Richardson	Philadelphia & Reading Coal & Iron Co.	Glen Carbon	Suffocated by gas	7
	Nov. 8	Susquehanna #1	Susquehanna Coal Co.	Nanticoke	Explosion of gas	12
1892	Apr. 20	Lytle	Lytle Coal Co.	Minersville	Drowned-water from old workings	10
	July 23	York Farm	Lehigh Valley Coal Co.	Pottsville	Explosion of gas	15
1893	Apr. 1	Neilson	Langdon & Co., Inc., J.	Shamokin	Mine fire	10
	June 22	Susquehanna #1	Susquehanna Coal Co.	Nanticoke	Explosion of gas	5

## ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1964

Year	Date	Colliery	Company	Location of Colliery	Cause of Accident	Number Killed
1893	Sept. 21	Lance #11	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	6
1894	Feb. 13	Gaylord	Kingston Coal Co.	Plymouth	Fall of roof	13
	July 17	East Sugar Loaf	Linderman & Skeer	Stockton	Explosion of powder & dynamite	8
	Oct. 8	Luke Fidler	Mineral Railroad & Mining Co.	Shamokin	Mine fire	5
	Oct. 11	Henry Clay	Philadelphia & Reading Coal & Iron Co.	Shamokin	Boiler explosion	6
1895	Feb. 18	West Bear Ridge	Philadelphia & Reading Coal & Iron Co.	Mahanoy Plane	Explosion of gas	5
	Oct. 7	Dorrance	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	7
1896	June 28	Twin	Newton Coal Co.	Pittston	Fall of roof	58
	Oct. 29	S. Wilkes-Barre #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	6
	Sept. 28	Jermyn #1	Jermyn & Co.	Rendham	Mine fire	5
	Oct. 30	Von Storch	D. & H. Coal Co.	Scranton	Mine fire	5
1898	May 26	Kaska, William	Dodson Coal Co.	Middleport	Drowned-water from old workings	6
	Oct. 1	Midvale	Lehigh Valley Coal Co.	Wilkes-Barre	Mine fire	5
	Nov. 5	Exeter	Lehigh Valley Coal Co.	West Pittston	Car fell on cage in shaft	9
1900	Nov. 9	Buck Mountain	Mill Creek Coal Co.	Mahanoy City	Explosion of gas	7
1901	Oct. 25	Buttonwood	Parrish Coal Co.	Plymouth	Explosion of gas	6
1902	Nov. 29	Luke Fidler	Mineral Railroad & Mining Co.	Shamokin	Explosion of gas	7
	Dec. 9	S. Wilkes-Barre	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of powder & dynamite	5
1904	Jan. 30	Maple Hill	Philadelphia & Reading Coal & Iron Co.	Mahanoy City	Explosion of powder & dynamite	5
	May 5	Lance	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of powder & dynamite	5
	May 5	Locust Gap	Philadelphia & Reading Coal & Iron Co.	Locust Gap	Mine fire	5
	May 25	Williamstown	Summit Branch Mining Co.	Williamstown	Suffocated by gas from mine locomotive	10
1905	Nov. 2	Auchincloss	Delaware, Lackawanna & Western Railroad Co.	Nanticoke	Falling down shaft	10
	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
	April 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 #7	Susquehanna Collieries Co.	Nanticoke	Explosion of gas	6
1907	Mar. 2	Holden	Delaware, Lackawanna & Western Railroad Co.	Taylor	Explosion of gas	7
1908	June 18	Johnson #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
1909	Mar. 2	Pennsylvania #14	Pennsylvania Coal Co.	Pittstown	Explosion of gas	8
	Nov. 9	Auchincloss	Glen Alden Coal Co.	Nanticoke	Mine fire	9

## ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1964

Year	Date	Colliery	Company	Location of Colliery	Cause of Accident	Number Killed
1910	Jan. 11	Nottingham	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	7
	Mar. 12	S. Wilkes-Barre #15	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 #5	Delaware & Hudson Co.	Dorranctown	Suffocated by gas from underground fire	5
	May 27	Cameron	Mineral Railroad & Mining Co.	Shamokin	Explosion of gas	5
	Sept. 12	Marine	Delaware & Hudson Co.	Scranton	Mine cars	5
	Oct. 3	Drifton #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
	Sept. 16	Lehigh #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 #11	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	7
	Mar. 9	Hollenback #2	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	6
	Aug. 8	Woodward	Delaware, Lackawanna & Western Railroad Co.	Edwardsville	Explosion of gas	6
1919	June 5	Baltimore Tunnel	Hudson Coal Co.	Wilkes-Barre	Explosion of powder & dynamite	92
	July 8	Lansford	Lehigh Coal & Wilkes-Barre Coal 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 #2	Mount Jessup Coal Co.	Jessup	Fall of roof	5
1924	June 6	Loomis	Glen Alden Coal Co.	Nanticoke	Explosion of gas	14
1925	May 22	Woodward	Glen Alden Coal Co.	Edwardsville	Explosion of gas	7
	Aug. 3	Dorrance	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	10
1926	May 6	Randolph	So. Penn Collieries Co.	Port Carbon	Explosion of gas	5
	July 3	Pettebone	Glen Alden Coal Co.	Kingston	Explosion of gas	7
	Oct. 30	Susquehanna #7	Susquehanna Collieries Co.	Nanticoke	Explosion of gas	9
1927	May 26	Woodward	Glen Alden Coal Co.	Edwardsville	Fall of roof, followed by an explosion of gas	7
1928	May 25	Baltimore #5	Hudson Coal Co.	Wilkes-Barre	Explosion of gas	10
1930	Aug. 8	Gilberton	Philadelphia & Reading Coal & Iron Co.	Gilberton	Fall of roof	8
1931	May 29	Richards	Susquehanna Collieries Co.	Mount Carmel	Explosion of gas	5
1935	Jan. 21	Gilberton	Philadelphia & Reading Coal & Iron Co.	Gilberton	Explosion of gas	13
	May 7	S. Wilkes-Barre	Glen Alden Coal Co.	Wilkes-Barre	Piece of rock fell down shaft, struck cage	7

## ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1964

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.	Pittston Twp.	Explosion of gas	10
1943	Sept. 24	Primrose	M. & S. Coal Co.	Minersville	Explosion of gas	14
1947	Jan. 15	Nottingham	Glen Alden Coal Co.	Wilkes-Barre	Explosion of gas	15
	Apr. 10	Schooley	Knox Coal Co.	Exeter Boro.	Explosion of gas	10
	Dec. 11	Franklin	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	8
1951	Mar. 29	Buttonwood	Glen Alden Coal Co.	Hanover Twp.	Explosion of gas	5
1952	Mar. 27	Holmes Slope	Cano & Martin, Inc.	Forrestville	Drown - blast blew through to old workings	5
1959	Jan. 22	Ewen	Knox Coal Co.	Port Griffith	Drown - river broke into mine	12



ANTHRACITE DIVISION

District	Mechanical Loading			Number of Tons Produced by Mechanical Loading	Number of Employees Engaged in this class of work	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			Total Number	Total Horse-power	Total Number	Number of Gallons delivered per day of 24 hours
1	22	-	-	73,896	98	200	4,547	3	15,120,000
3	86	-	4	198,414	243	389	13,337	-	-
11	153	-	1	701,324	455	889	37,955	15	15,993,380
12	2	-	6	187,881	15	164	1,996	11	118,250
13	184	5	13	969,978	587	783	29,509	16	11,308,000
14	70	1	9	623,954	340	291	12,783	11	16,944,576
15	20	-	-	35,707	47	530	17,600	4	3,740,760
16	14	-	-	62,818	16	268	8,511	63	3,895,500
17	20 *	-	-	-	-	153	7,117	12	2,560,000
18	11	-	-	62,872	24	263	8,713	18	147,900
19	4	-	-	6,000	8	157	3,714	2	1,114,049
20	5	-	18	291,897	105	133	4,413	9	453,900
21	14	-	2	65,678	42	413	10,502	15	5,982,953
22	3	-	-	5,914	12	178	5,328	3	2,000,000
23	5	-	-	22,375	16	63	2,168	9	2,029,430
24	32	-	-	312,991	219	427	6,908	11	4,617,000
25	10	-	6	135,449	57	350	10,011	14	6,700,000
26	5	-	-	9,150	11	769	23,268	6	5,497,835
27	16	-	-	66,613	51	284	7,234	37	2,710,000
28	6	-	2	30,783	16	64	1,526	11	106,600
29	8	-	15	205,548	49	35	664	5	79,000
30	5	-	5	44,111	26	147	3,807	29	728,000
Total	695	6	81	4,113,353	2,437	6,950	221,611	304	101,847,133

NOTE: \* Used as haulage

PRODUCTION  
TABLE

		District 1 Production - net tons				Pounds		Days worked	Empl- oves	Fatal acci- dents	Non- fatal acci- dents
Operators and Collieries	County	Shipped to market By : railroad	Sold to : truck:	Used at colliery for steam and heat	Total production:	permiss- ible ex- plosives used	Pounds dynamite used				
Ace Coal Co.		-	-	-	-	-	-	95	11	-	-
Ace Breaker	B Lackawanna	-	-	-	-	-	-	-	-	-	-
C. & S. Excavating Co.		-	-	-	-	-	-	-	-	-	-
Underwood Strip 78-1, 2	S Lackawanna	7,446	2,816	6,266	-	16,528 a	-	176	13	-	-
Carbondale Coal Co.		-	-	-	-	-	-	-	-	-	-
Mine Fire Strips 64-1	S Lackawanna	123,350	23,404	52,804	145	199,703	426,150	29,650	281	75	8
Cleaning Plant 1	BP Lackawanna	-	-	-	-	-	-	-	281	15	2
Cleaning Plant 2	BP Lackawanna	-	-	-	-	-	-	-	281	4	-
Total		123,350	23,404	52,804	145	199,703 b	426,150	29,650	94	-	10
Cicio Coal Co.		-	-	-	-	-	-	-	-	-	-
Ontario Strip 96-1	S Lackawanna	122	188	297	-	607 c	-	300	42	3	-
Coalbrook Iron & Metals		-	-	-	-	-	-	-	-	-	-
Powderly Bank	bk Lackawanna	-	26,699	-	-	26,699 d	-	-	89	10	-
DeAngelis, Inc.		-	-	-	-	-	-	-	-	-	-
Bolands Breaker	B Lackawanna	-	-	-	-	-	-	-	220	22	-
Bolands Colliery	DM Lackawanna	200	1,081	-	-	1,281	200	-	230	5	-
Coalbrook Bank	bk Lackawanna	100	551	-	-	651	-	-	49	4	-
Total		300	1,632	-	-	1,932 e	200	-	31	-	-
DeAngelis Supreme Anthracite, Inc.		-	-	-	-	-	-	-	-	-	-
O. S. C. Bank	bk Lackawanna	224	2,434	-	-	2,658 f	-	-	96	4	-
Powderly Bank	bk Lackawanna	956	352	-	-	1,308 g	-	-	12	4	-
Total		1,180	2,786	-	-	3,966	-	-	8	-	-
Deweese Brothers, Inc.		-	-	-	-	-	-	-	-	-	-
Simpson Strip 93-1	S Lackawanna	-	-	-	-	-	-	1,200	86	4	-
Esgro Coal Co.		-	-	-	-	-	-	-	-	-	-
Raymond Colliery	DM Lackawanna	259	834	1,177	-	2,270 h	6,450	100	237	5	-
Glen Alden Corporation		-	-	-	-	-	-	-	-	-	-
Eddy Creek Strip 30-1	S Lackawanna	1,801	521	652	5	2,979	-	-	95	5	-
Marvine Bag Plant	Lackawanna	-	-	-	-	-	-	-	259	13	-
Total		1,801	521	652	5	2,979 i	-	-	18	-	-
Halsey Contracting Corp.		-	-	-	-	-	-	-	-	-	-
Bolands Strip 27-1, 2	S Lackawanna	1,254	6,050	-	-	7,304 j	100	1,500	272	11	-
Kaminski Brothers, Inc.		-	-	-	-	-	-	-	-	-	-
Buffalo Strip	S Lackawanna	170	425	620	-	1,215 k	-	-	11	7	-
Kuna Coal Co.		-	-	-	-	-	-	-	-	-	-
Erie Bank	bk Lackawanna	60	258	-	-	318 l	-	-	50	2	-
Lackawanna Cinder & Silt Co.		-	-	-	-	-	-	-	-	-	-
Olyphant Bank	bk Lackawanna	494	80	231	1	806 m	-	-	20	4	-

		District 1 Production - net tons				Pounds		Days worked	Empl- oves	Fatal acci- dents	Non- fatal acci- dents
Operators and Collieries	County	Shipped to market By : railroad	Sold to : truck:	Used at colliery for steam and heat	Total production:	permiss- ible ex- plosives used	Pounds dynamite used				
Matisko Coal Co.		-	-	-	-	-	-	-	-	-	-
Forest City Bank	bk Wayne	388	4	787	-	1,179	-	-	92	1	-
Matisko Cleaning Plant	W Wayne	-	-	-	-	-	-	-	92	1	-
Total		388	4	787	-	1,179 n	-	-	2	-	-
Mazzoni Coal Co.		-	-	-	-	-	-	-	-	-	-
Olyphant Colliery	DM Lackawanna	2,906	126	1,179	-	4,211 o	2,000	-	100	11	-
Mid-Valley Coal Co.		-	-	-	-	-	-	-	-	-	-
Ontario Colliery	DM Lackawanna	8,452	367	3,429	-	12,248 p	16,975	1,000	226	15	-
Northwest Mining Co., Inc.		-	-	-	-	-	-	-	-	-	-
Raymond Breaker	B Lackawanna	-	-	-	-	-	-	-	254	35	-
Gravity Strip 81-2, 3	S Lackawanna	7,551	1,408	3,840	-	12,799	109,600	9,650	282	8	-
Powderly Strip 81-1	S Lackawanna	3,195	596	1,625	-	5,416	4,520	6,010	248	7	-
Duffys Bank	bk Lackawanna	11,090	2,067	5,639	-	18,796	-	-	131	8	-
Gravity Colliery	DM Lackawanna	2,363	441	1,201	-	4,005	1,164	-	235	16	-
Marvine Northwest Retail	Lackawanna	-	-	-	-	-	-	-	232	4	-
Total		24,199	4,512	12,305	-	41,016 q	115,284	15,660	78	-	5
O'Connell Trucking Co.		-	-	-	-	-	-	-	-	-	-
Riverside Bank	bk Lackawanna	-	734	-	-	734 r	-	-	18	4	-
Pasternak Brothers		-	-	-	-	-	-	-	-	-	-
Ontario Strip 21-1	S Lackawanna	1,908	4,362	3,803	-	10,073 s	78,000	4,740	310	5	-
Penbrook Coal Co.		-	-	-	-	-	-	-	-	-	-
Penbrook Breaker	B Lackawanna	-	-	-	-	-	-	-	235	4	-
Penbrook Bank	bk Lackawanna	1,332	13	-	-	1,345	-	-	235	3	-
Total		1,332	13	-	-	1,345 t	-	-	7	-	-
Pennsylvania Coal Co.		-	-	-	-	-	-	-	-	-	-
Maintenance	Lackawanna	-	-	-	-	-	-	-	240	2	-
Perry Coal Sales Co., Thomas		-	-	-	-	-	-	-	-	-	-
Underwood Bank	bk Lackawanna	8,209	-	143	-	8,352 u	-	-	73	6	-
Pientack Coal Co.		-	-	-	-	-	-	-	-	-	-
Raymond Colliery	DM Lackawanna	206	395	424	-	1,025 v	500	-	208	5	-
Pioneer Excavating Co.		-	-	-	-	-	-	-	-	-	-
Raymond Strip 85-1	S Lackawanna	39	286	135	-	460 w	-	-	153	3	-
Pompey Coal Co.		-	-	-	-	-	-	-	-	-	-
Pompey Breaker	B Lackawanna	-	-	-	-	-	-	-	290	33	-
Slenska Coal Co.		-	-	-	-	-	-	-	-	-	-
West Mountain Strip 75-1A1	S Lackawanna	171	265	418	-	854 b	-	300	154	4	-
Turnpike Coal Co.		-	-	-	-	-	-	-	-	-	-
Underwood Strip 32-2	S Lackawanna	28,570	1,242	11,594	-	41,406 p	200,000	-	195	17	-

		District 1 Production - net tons					Pounds	Pounds	Days	Empl-	Fatal	Non-
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	permis- sible ex- plosives used	dynamite used	worked	oyes	acci- dents	fatal acci- dents
		By railroad	By truck	to local trade	colliery for steam and heat							
Village Slope Coal Co.	DM Lackawanna	30,737	3,763	15,637	-	50,137 x	51,650	-	252	56	1	15
Underwood Colliery	DM Lackawanna	-	-	-	-	-	-	-	-	-	-	-
Waddell Coal Mining Co., Inc.	W Lackawanna	-	-	-	-	-	-	-	99	5	-	-
Waddell Washery	W Lackawanna	-	-	-	-	-	-	-	-	-	-	-
District Total		243,553	81,762	111,901	151	437,367	897,309	54,450	217	474	1	34
DM - Deep Mined	S - Stripping	bk - Bank	B - Breaker	BP - Breaker Preparation Only	W - Washery							

NOTE: (a) 6,825 tons prepared at Penbrook Breaker (n) 392 tons prepared at Waddell Washery  
 9,703 tons prepared at Pompey Breaker 787 tons direct sales  
 (b) 87,428 tons prepared at Raymond Breaker (o) All coal prepared at Pompey Breaker. Mine finished.  
 11,454 tons prepared at Pompey Breaker (p) All coal prepared at Pompey Breaker.  
 44,480 tons prepared at Loree Breaker - District 11 (q) All coal prepared at Raymond Breaker.  
 56,341 tons prepared at Huber Breaker - District 13 (r) All coal direct sales.  
 (c) All coal prepared at Ace Breaker. (s) 7,763 tons prepared at Ace Breaker  
 (d) All coal shipped direct to Pennsylvania Power & Light Co. 1,890 tons prepared at Bolands DeAngelis Supreme Anthracite, Inc. Breaker  
 (e) All coal prepared at Bolands Breaker. 420 tons prepared at Bolands DeAngelis, Inc. Breaker.  
 DeAngelis, Inc. since November 1, 1964 - was formerly operated (t) All coal prepared at Penbrook Breaker.  
 as DeAngelis Supreme Anthracite, Inc. who produced 1,588 tons, (u) 7,052 tons prepared at Waddell Washery  
 worked 237 days, same employees. 1,300 tons prepared at Morgan Breaker - District 3.  
 (f) 1,406 tons prepared at Bolands DeAngelis, Inc. (v) 140 tons prepared at Pompey Breaker  
 1,252 tons direct sales. 741 tons prepared at Penbrook Breaker  
 (g) All coal prepared at Waddell Washery. Mine finished 144 tons prepared at Bolands DeAngelis Supreme Anthracite, Inc. Breaker.  
 (h) 17 tons prepared at Pompey Breaker (w) 213 tons prepared at Penbrook Breaker  
 2,253 tons prepared at Penbrook Breaker 49 tons prepared at Ace Breaker  
 (i) 195 tons prepared at Loree Breaker - District 11 33 tons prepared at Bolands DeAngelis Supreme Anthracite, Inc. Breaker.  
 2,784 tons prepared at Huber Breaker - District 13 (x) 165 tons prepared at Bolands DeAngelis, Inc. Breaker  
 (j) 6,601 tons prepared at Bolands DeAngelis Supreme Anthracite, Inc. 43,452 tons prepared at Pompey Breaker  
 703 tons prepared at Bolands DeAngelis, Inc. 6,457 tons prepared at Penbrook Breaker  
 (k) 404 tons prepared at Ace Breaker 228 tons prepared at Ace Breaker.  
 811 tons prepared at Penbrook Breaker  
 (l) All coal prepared at Bolands DeAngelis Supreme Anthracite, Inc. Breaker.  
 Mine finished.  
 (m) 595 tons prepared at Raymond Breaker  
 211 tons prepared at Loree Breaker - District 11.  
 Mine finished.

		District 3 Production - net tons					Pounds	Pounds	Days	Empl-	Fatal	Non-
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	permis- sible ex- plosives used	dynamite used	worked	oyes	acci- dents	fatal acci- dents
		By railroad	By truck	to local trade	colliery for steam and heat							
A. C. & A. Coal Co.	DM Lackawanna	64	99	1,955	-	2,118 a	300	-	138	12	-	-
No. 9 Oak Hill Slope	DM Lackawanna	-	-	-	-	-	-	-	-	-	-	-
Coalbrook Sales Co., Inc.	S Lackawanna	57	229	-	-	286 b	-	100	50	5	-	-
Bullshead Strip 54-1	S Lackawanna	-	-	-	-	-	-	-	-	-	-	-
Diamond Colliery Co.	S Lackawanna	13,274	577	5,387	-	19,238 c	-	4,850	299	11	-	-
Diamond Vein Strip 74-1	S Lackawanna	-	-	-	-	-	-	-	-	-	-	-
Kaminski Brothers, Inc.	S Lackawanna	409	879	2,170	-	3,458 d	250	-	97	5	-	-
Capouse Strip 24-1, 3, 4	S Lackawanna	-	-	-	-	-	-	-	-	-	-	-
Keyser Valley Enterprises	DM Lackawanna	9,890	430	4,013	-	14,333 c	9,750	1,000	255	16	-	4
Brisbin Slope	DM Lackawanna	-	-	-	-	-	-	-	-	-	-	-
Moffat Coal Co., Inc.	DM Lackawanna	11,849	2,275	10,538	86	24,748	18,950	500	241	43	-	7
Archbald Slope	DM Lackawanna	29,404	5,645	26,150	214	61,413	57,500	1,275	242	103	-	12
Continental Slope	S Lackawanna	1,230	236	1,094	-	2,560	1,700	-	215	6	-	-
Pyne Strip 18-3	DM Lackawanna	4,587	880	4,079	-	9,546	20,350	400	240	12	-	2
No. 179 Slope	DM Lackawanna	24,836	4,768	22,087	181	51,872	47,800	31,625	241	84	-	21
No. 190 Slope	DM Lackawanna	19,404	3,725	17,257	141	40,527	70,250	2,750	242	55	-	3
No. 133 Slope	DM Lackawanna	22,910	4,398	20,376	-	47,684	92,275	5,550	243	95	-	11
Storrs Colliery	S Lackawanna	14,317	3,259	13,319	-	30,895 e	168,000	4,750	313	19	-	1
Storrs Strip 18-2 A1 (Harris & Walsh)	S Lackawanna	-	-	-	-	-	-	-	-	-	-	-
Storrs Strip 18-1 (Empire)	B Lackawanna	-	-	-	-	-	-	-	92	92	-	2
Taylor Colliery	B Lackawanna	-	-	-	-	-	-	-	243	46	-	2
Taylor Shops & General	B Lackawanna	-	-	-	-	-	-	-	-	-	-	-
Total		139,995	27,507	125,229	622	293,353 g	484,025	47,250		568	-	61
Monroe Company, Inc.	W Lackawanna	-	-	-	-	-	-	-	147	10	-	-
Belleuve Washery	bk Lackawanna	13,958	25,788	-	9	39,755	-	-	147	6	-	-
Diamond Bank	bk Lackawanna	-	-	-	-	-	-	-	-	-	-	-
Total		13,958	25,788	-	9	39,755 h	-	-	-	16	-	-
Mountain Slope Coal Co.	DM Lackawanna	-	7,702	-	-	7,702 i	19,575	600	231	16	-	-
Mountain Slope	DM Lackawanna	-	-	-	-	-	-	-	-	-	-	-
O'Toole, John F.	S Lackawanna	-	-	95	-	95	-	-	20	1	-	-
O'Toole Strip 100-1	B Lackawanna	-	-	-	-	-	-	-	20	1	-	-
O'Toole Sizing Plant	B Lackawanna	-	-	95	-	95 j	-	-	-	2	-	-
Total		-	-	95	-	95	-	-	-	-	-	-
Penn Can Coal Co.	B Lackawanna	-	-	-	-	-	-	-	82	11	-	-
Morgan Breaker	B Lackawanna	-	-	-	-	-	-	-	82	8	-	-
Erie Lackawanna Fill Bank	bk Lackawanna	7,369	-	911	-	8,280	-	-	82	8	-	-
Total		7,369	-	911	-	8,280 k	-	-	-	19	-	-



		District 3 Production - net tons					Pounds					Fatal		Non-	
Operators and Collieries		County		Shipped to market	Sold to colliery	Used at local for steam and heat	Total production	permissible explosives used	Pounds dynamite used	Days worked	Empl- oves	accidents	fatal accidents	fatal accidents	Non-fatal accidents
		By railroad	By truck	By trade	By local	By steam and heat	production	used	used	worked	oves	accidents	fatal accidents	Non-fatal accidents	
Popple Coal Sales Co., Raymond	bk Lackawanna	-	-	49,221	-	-	49,221 l	-	-	132	4	-	-	-	
District Total		185,016	63,211	188,981	631	437,839	513,900	53,800	213	674	-	65	-		
DM - Deep Mined	S - Stripping	bk - Bank	B - Breaker	BP - Breaker Preparation Only.							W - Washery				
NOTE: (a) 320 tons prepared at Ace Breaker - District 1															
(b) 1,798 tons prepared at Bel Air Breaker - District 11															
(c) All coal prepared at Bolands Breaker - District 1 Operation finished.															
(d) All coal prepared at Pompey Breaker - District 1															
(e) 1,374 tons prepared at Ace Breaker - District 1															
(f) 1,222 tons prepared at Penbrook Breaker - District 1															
(g) 54 tons prepared at Kassa Breaker - District 11															
(h) 808 tons prepared at Bel Air Breaker - District 11															
(i) Kaminski Brothers Strip - Permit 24-1, 3 finished.															
(j) 1,880 tons prepared at Ace Breaker - District 1															
(k) 29,015 tons prepared at Taylor Breaker															
(l) 445 tons prepared at Ace Breaker - District 1															
(m) 23,663 tons prepared at Taylor Breaker															
(n) All coal prepared at Taylor Breaker, except part of Storrs (Empire) Strip and Storrs (Harris & Walsh) Strip.															
(o) Ceased operations August 28, 1964.															
(p) All coal prepared at Bel Air Breaker - District 11.															
(q) All coal prepared at O'Toole Sizing Plant.															
(r) All coal prepared at Morgan Breaker.															
(s) All coal shipped direct to Pennsylvania Power & Light Co.															

		DISTRICT 11					Pounds					Fatal		Non-	
Operators and Collieries		County		Shipped to market	Sold to colliery	Used at local for steam and heat	Total production	permissible explosives used	Pounds dynamite used	Days worked	Empl- oves	accidents	fatal accidents	Non-fatal accidents	
		By railroad	By truck	By trade	By local	By steam and heat	production	used	used	worked	oves	accidents	fatal accidents	Non-fatal accidents	
Bel Air Coal Co.	BP Luzerne	-	-	-	-	-	-	-	-	164	18	-	1		
Bliss Coal Co.	BP Sullivan	-	-	-	-	-	-	-	-	194	1	-	-		
Bliss Breaker	S Sullivan	-	-	-	-	-	-	-	-	194	2	-	-		
Bliss Strip	S Sullivan	-	-	6,356	-	-	6,356 a	450	-	194	2	-	-		
Total		-	-	6,356	-	-	6,356 a	450	-	194	2	-	-		
C. B. M. Coal Co.	bk Luzerne	4,825	510	1,793	45	7,173 b	-	-	-	155	2	-	-		
Empire Bank	bk Luzerne	-	-	86,600	-	86,600 c	-	-	-	155	6	-	-		
Exeter Silt Bank	Luzerne	-	-	-	-	-	-	-	-	304	5	-	-		
Maintenance Shop	Luzerne	-	-	-	-	-	-	-	-	-	-	-	-		
Total		4,825	510	88,393	45	93,773	-	-	-	155	6	-	-		
Capone Coal Co.	S Luzerne	30,425	2,173	10,866	-	43,464 d	43,900	29,700	250	24	-	2			
Miners Mills Strip	S Luzerne	-	-	-	-	-	-	-	-	44	3	-	-		
Dicksville Coal Co.	BP Luzerne	-	-	-	-	-	-	-	-	44	3	-	-		
Dicksville Breaker	BP Luzerne	-	-	-	-	-	-	-	-	44	3	-	-		
E. & B. Coal Sales	BP Sullivan	-	-	-	-	-	-	-	-	121	1	-	-		
Booth Breaker	S Sullivan	-	-	-	-	-	-	-	-	121	3	-	-		
Booth Strip	S Sullivan	-	-	3,047	-	3,047	-	-	-	121	3	-	-		
Total		-	-	3,047	-	3,047 e	-	-	-	121	3	-	-		

		District 11					Pounds					Fatal		Non-	
Operators and Collieries		County		Shipped to market	Sold to colliery	Used at local for steam and heat	Total production	permissible explosives used	Pounds dynamite used	Days worked	Empl- oves	accidents	fatal accidents	Non-fatal accidents	
		By railroad	By truck	By trade	By local	By steam and heat	production	used	used	worked	oves	accidents	fatal accidents	Non-fatal accidents	
Eastern Mining Corporation	DM Luzerne	4,131	5,845	12,240	-	-	22,216 f	20,000	-	183	18	-	4		
Stevens	DM Luzerne	-	-	-	-	31,827	31,827 h	-	-	135	3	-	-		
Gigliello Coal Co.	S Luzerne	43,493	9,781	15,882	141	69,297 i	550	433,710	241	42	-	1			
Ewen	BP Luzerne	-	-	-	-	-	-	-	-	253	28	-	-		
Glen Alden Corporation	S Luzerne	71,555	7,884	25,569	549	105,557 j	153,920	7,650	253	80	-	8			
Avondale Bank	Luzerne	-	-	-	-	-	-	-	-	365	34	-	1		
Bliss Strips	S Luzerne	20,607	2,266	7,652	144	30,669 k	33,764	15,700	237	17	-	1			
Loree Breaker	S Luzerne	36,029	10,938	13,005	38	60,010 l	164,225	16,744	237	19	-	3			
Loree Strip	S Luzerne	-	-	-	-	-	-	-	-	-	-	-	-		
Nanticoke Power Plant	S Luzerne	-	-	-	-	-	-	-	-	-	-	-	-		
Pine Ridge Strips	S Luzerne	-	-	-	-	-	-	-	-	-	-	-	-		
Wapanie Strips	S Luzerne	-	-	-	-	-	-	-	-	-	-	-	-		
Total		171,684	30,869	62,108	32,699	297,360	352,459	473,804	223	416	1	14			
Heights Coal Co.	DM Luzerne	1,024	73	366	-	1,463 m	1,400	750	38	8	-	-			
Laflin	S Luzerne	9,974	712	3,563	-	14,249 n	8,800	1,650	191	3	-	-			
Laflin Strips	S Luzerne	-	-	-	-	-	-	-	-	-	-	-			
Total		10,998	785	3,929	-	15,712	10,200	2,400	11	-	-	-			
J. & K. Coal Co.	DM Sullivan	-	-	303	-	303 e	50	-	46	2	-	-			
Pigeon Creek	DM Sullivan	-	-	303	-	303 e	50	-	46	2	-	-			
K. P. T. Coal Co.	BP Luzerne	-	-	-	-	-	-	-	44	2	-	-			
Maltby Breaker	S Luzerne	-	-	3,744	-	3,744	3,950	-	44	1	-	-			
Maltby Strip	S Luzerne	-	-	3,744	-	3,744 o	3,950	-	44	1	-	-			
Total		-	-	3,744	-	3,744 o	3,950	-	44	1	-	-			
Kassa Coal Co.	BP Luzerne	-	-	-	-	-	-	-	240	2	-	-			
Kassa Breaker	BP Luzerne	-	-	-	-	-	-	-	240	2	-	-			
Laflin Heights Coal Co.	bk Luzerne	861	195	380	-	1,436 p	-	-	36	3	-	-			
Laflin Bank	bk Luzerne	-	-	-	-	-	-	-	-	-	-	-			
Lehigh Valley Anthracite, Inc.	BP Luzerne	-	-	-	-	-	-	-	157	56	-	-			
Dorrance Breaker	DM Luzerne	23,855	15,105	9,270	408	48,638 q	12,300	-	202	99	1	45			
Franklin	S Luzerne	156,740	99,254	60,909	2,681	319,584 q	-	403,522	342	170	-	16			
Gaylord Strips	S Luzerne	110,660	70,075	43,002	1,983	225,720 q	-	725,958	343	72	-	4			
Kidder-Baltimore Strips	S Luzerne	-	-	-	-	-	-	-	-	-	-	-			
Loomis	BP bk Luzerne	11,619	2,953	2,705	-	17,277 r	-	-	79	19	-	3			
Total		302,874	187,387	115,886	5,072	611,219	12,300	1,129,480	416	1	68	-			
Macarelli Coal Co.	DM Luzerne	331	540	995	-	1,866 s	4,700	650	216	4	-	-			
Butler	DM Luzerne	-	-	2,267	-	2,267 t	-	600	29	2	-	-			
Meg Coal Co.	S Sullivan	-	-	2,267	-	2,267 t	-	600	29	2	-	-			
Bernice Strip	S Sullivan	-	-	2,267	-	2,267 t	-	600	29	2	-	-			

		District 11 Production - net tons					Pounds				Fatal		Non-	
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	permissible explosives	Pounds dynamite used	Days worked	Empl- oves	accidents	fatal accidents	fatal accidents	
		By railroad	By truck	to local trade	colliery for steam and heat									production
Mitchell Mining Coal Co.	DM Luzerne	19,909	680	6,260	-	26,849 u	41,350	550	238	20	-	5		
Oliver, James & Albert	S Sullivan	-	-	2,398	-	2,398 v	950	-	58	4	-	-		
Bernice Strip	S Luzerne	-	-	-	-	- w	-	-	26	2	-	-		
Penn Can Coal Co.	S Luzerne	-	-	-	-	-	-	-	-	-	-	-		
Hilldale Strip	S Luzerne	-	-	-	-	-	-	-	-	-	-	-		
Ratchford & Son	BP S Sullivan	-	-	710	-	710 x	850	-	44	4	-	-		
Bernice Strip	S Sullivan	-	-	-	-	-	-	-	-	-	-	-		
Rosenn, Harold, Trustee	S Luzerne	279	590	1,090	-	1,959 s	2,500	-	56	4	-	-		
Barnum Strip	S Luzerne	-	-	-	-	-	-	-	-	-	-	-		
Scranton Excavating Co.	S Luzerne	16,413	11,760	23,650	-	51,823 y	14,450	-	350	20	-	-		
William A. Strip	S Luzerne	-	-	-	-	-	-	-	-	-	-	-		
Sebastopol Coal Co.	BP Luzerne	-	-	-	-	-	-	-	193	2	-	-		
Sebastopol Breaker	bk Luzerne	660	1,250	14,509	-	16,419 z	-	-	193	2	-	-		
Sebastopol Bank	bk Luzerne	-	-	-	-	-	-	-	-	-	-	-		
Total		660	1,250	14,509	-	16,419 z	-	-	-	4	-	-		
Sullivan Trail Coal Co.	Luzerne	-	-	-	-	-	-	-	269	170	-	10		
Maintenance Shops	Luzerne	-	-	-	-	-	-	-	-	-	-	-		
Susquehanna Coal Co.	DM Luzerne	247,047	195,038	78,014	-	520,099	738,000	20,000	241	340	-	94		
Glen Lyon Colliery	S Luzerne	15,000	11,841	4,737	-	31,578	-	305,000	160	49	-	4		
Glen Lyon Strips	S Luzerne	262,047	206,879	82,751	-	551,677 aa	738,000	329,000	389	-	-	98		
Total		262,047	206,879	82,751	-	551,677 aa	738,000	329,000	389	-	-	98		
Talamelli Coal Co.	DM Luzerne	8,143	354	3,304	-	11,801 g	9,350	-	238	13	-	1		
Westmoreland	DM Luzerne	56,198	8,082	20,861	555	85,696 bb	147,000	-	235	79	-	21		
V-R Coal Corporation	DM Luzerne	-	-	-	-	-	-	-	-	-	-	-		
South Wilkes-Barre Colliery	DM Luzerne	241	263	444	-	948 s	845	-	96	7	-	-		
Western Mining Corporation	DM Luzerne	-	-	-	-	-	-	-	-	-	-	-		
Laflin	DM Luzerne	-	-	-	-	-	-	-	-	-	-	-		
District Total		893,955	458,334	468,088	38,371	1,858,748	1,403,604	1,962,359	247	1,472	1	224		

DM - Deep Mined      S - Stripping      bk - Bank      B - Breaker      BP - Breaker Preparation Only      W - Washery

NOTE: (a) All coal prepared at Bliss Breaker      (d) 33,216 tons prepared at Pompey Breaker - District 1  
 (b) All coal prepared at Loree Breaker      (e) 10,248 tons prepared at Bel Air Breaker  
 (c) All coal sold unprepared to local power plants.      (f) All coal prepared at Booth Breaker

		District 11 Production - net tons					Pounds				Fatal		Non-	
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	permissible explosives	Pounds dynamite used	Days worked	Empl- oves	accidents	fatal accidents	fatal accidents	
		By railroad	By truck	to local trade	colliery for steam and heat									production
NOTE: (f)		19,035	tons prepared at Bel Air Breaker	(t)	868	tons prepared at Booth Breaker								
(g)		3,181	tons prepared at Dicksville Breaker	(u)	1,399	tons sold unprepared								
(h)		All coal prepared at Pompey Breaker - District 1.		(v)	20,375	tons prepared at Pompey Breaker - District 1								
(i)		All coal used unprepared at Nanticoke Power Plant, Glen Alden Corporation.		(w)	6,310	tons prepared at Bel Air Breaker								
(j)		43,635 tons prepared at Huber Breaker - District 13		(x)	164	tons prepared at Kassa Breaker								
(k)		25,662 tons prepared at Loree Breaker		(y)	1,412	tons prepared at Booth Breaker								
(l)		2,693 tons prepared at Huber Breaker - District 13		(z)	986	tons sold unprepared								
(m)		102,864 tons prepared at Loree Breaker		(aa)	New operation - no coal produced in 1964.									
(n)		742 tons prepared at Huber Breaker - District 13		(ab)	All coal prepared at Ratchford Breaker.									
(o)		29,927 tons prepared at Loree Breaker		(ac)	51,077 tons prepared at Bel Air Breaker									
(p)		All coal prepared at Huber Breaker - District 13.		(ad)	316 tons prepared at Penbrook Breaker - District 1									
(q)		1,185 tons prepared at Pompey Breaker - District 1		(ae)	430 tons prepared at Bolands Breaker - District 1									
(r)		278 tons prepared at Bel Air Breaker		(af)	12,509 tons sold unprepared									
(s)		13,592 tons prepared at Pompey Breaker - District 1		(ag)	3,910 tons prepared at Bel Air Breaker									
(t)		251 tons prepared at Bel Air Breaker		(ah)	472,789 tons prepared at Glen Lyon Breaker - District 14									
(u)		406 tons prepared at Kassa Breaker		(ai)	78,888 tons prepared at Bel Air Breaker									
(v)		2,322 tons prepared at Dicksville Breaker		(aj)	Glen Nan Coal Co. produced 520,099 tons of this coal, worked 241 days, 340 employees.									
(w)		1,422 tons prepared at Taylor Breaker - District 3		(ak)	8,629 tons prepared at Huber Breaker - District 13									
(x)		All coal prepared at Bolands Breaker - District 1.		(al)	72,751 tons prepared at Loree Breaker									
(y)		All coal prepared at Dorrance Breaker.		(am)	4,316 tons prepared at Dorrance Breaker									
(z)		All coal prepared at Loomis Breaker.												
(aa)		All coal prepared at Bel Air Breaker.												

		District 12					Pounds				Fatal		Non-	
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	permissible explosives	Pounds dynamite used	Days worked	Empl- oves	accidents	fatal accidents	fatal accidents	
		By railroad	By truck	to local trade	colliery for steam and heat									production
A. & P. Coal Co.	DM Schuylkill	-	-	7,506	75	7,581 a	4,200	-	308	10	-	-		
L.V. No. 6 Vein Slope	S Dauphin	3,783	11,098	-	-	14,881 b	-	-	211	9	-	-		
Bear Gap Stripping Co.	S Dauphin	1,894	5,554	335	-	7,783 c	-	-	236	2	-	-		
Twin Vein Strip	S Dauphin	-	-	-	-	-	-	-	-	-	-	-		
Brosious & Troup Coal Co.	S Dauphin	-	-	-	-	-	-	-	-	-	-	-		
L.V.No.5 & 6 Vein Strip	S Dauphin	-	-	-	-	-	-	-	-	-	-	-		
Elizabethville Coal Co.	W Dauphin	-	-	-	-	-	-	-	130	4	-	-		
Elizabethville Washery	bk Dauphin	15,500	3,000	-	-	18,500 d	-	-	130	1	-	-		
Elizabethville Bank	bk Dauphin	-	-	-	-	-	-	-	-	-	-	-		
Total		15,500	3,000	-	-	18,500 d	-	-	5	-	-	-		
Gangloff Brothers	bk Dauphin	120,000	-	-	-	120,000 e	-	-	168	7	-	-		
Williamstown Silt Bank	bk Dauphin	-	-	-	-	-	-	-	-	-	-	-		
K. E. W. Coal Co.	DM Schuylkill	882	43	2,528	-	3,453 f	2,650	260	240	5	-	-		
White's Vein Slope	DM Schuylkill	-	-	-	-	-	-	-	-	-	-	-		

		District 12 Production - net tons					Pounds					
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyes	Fatal acci- dents	Non- fatal acci- dents
		By railroad	By truck	to local trade	colliery for steam and heat							
Kerrigan Coal Co.												
Kerrigan Breaker	BP Dauphin	-	-	-	-	-	-	-	117	7	-	-
Kimmel Coal Co.												
Williamstown Silt Bank	bk Dauphin	60	36	1	-	97 g	-	-	21	2	-	-
Meadowbrook Coal Co.												
Meadowbrook Breaker	BP Dauphin	-	-	-	-	-	-	-	288	1	-	-
Meadowbrook Washery	W Dauphin	-	-	-	-	-	-	-	160	1	-	-
Meadowbrook Bank	bk Dauphin	-	-	3,150	-	3,150	-	-	160	1	-	-
Total		-	-	3,150	-	3,150 h	-	-	-	3	-	-
No. 4 Coal Co.												
White's Vein Slope	DM Schuylkill	5,965	187	10,848	-	17,000 i	6,500	-	240	11	-	1
P. & W. V. Coal Co.												
P. & W. V. Ramp	Ramp Dauphin	-	-	-	-	-	-	-	174	4	-	-
Phoenix Contracting Co.												
Sheridan Silt Bank	bk Schuylkill	2,654	9,620	4,147	166	16,587 j	-	-	80	4	-	-
Pine Creek Coal Co.												
Pine Creek Breaker	BP Schuylkill	-	-	-	-	-	-	-	305	16	-	5
R. & S. Coal Co.												
Murdock Tunnel	DM Schuylkill	4,266	2,371	1,051	-	7,688 k	1,800	-	231	3	-	-
Salada Coal Co.												
N.D. Holmes Slope	DM Dauphin	3,547	3,302	284	7	7,140 l	5,000	-	273	4	-	-
Shade, John A.												
No. 7 Vein Strip	S Schuylkill	1,830	4,818	376	40	7,064 m	-	600	248	3	-	-
Shomper Coal Co.												
Shomper Breaker	BP Dauphin	-	-	-	-	-	-	-	227	4	-	-
Short Mountain Coal Co.												
No. 2 Vein Slope	DM Schuylkill	827	-	2,054	10	2,891 n	700	-	65	7	-	-
Stonehill Coal Co.												
Stonehill Breaker	BP Dauphin	-	-	-	-	-	-	-	311	5	-	-
Strohecker Coal Breaker												
Strohecker Breaker	BP Dauphin	-	-	-	-	-	-	-	301	11	-	-
Underkoffler Coal Service												
Underkoffler Breaker	BP Dauphin	-	-	-	-	-	-	-	254	26	-	1
Valley Construction Co.												
L.V. No. 6 Vein Slope	DM Dauphin	2,007	5,889	-	-	7,896 o	5,150	-	197	6	-	-
White's Vein Coal Co.												
White's Vein Slope	DM Schuylkill	1,739	52	3,819	-	5,610 p	3,000	-	250	5	-	-
District Total		164,954	45,970	36,099	298	247,321	29,000	860	230	159	-	8

		District 12 Production - net tons					Pounds					
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyes	Fatal acci- dents	Non- fatal acci- dents
		By railroad	By truck	to local trade	colliery for steam and heat							
DM - Deep Mined	S - Stripping	bk - Bank		B - Breaker		BP - Breaker Preparation Only						W - Washery
NOTE: (a)	All coal prepared at Underkoffler Breaker.				(k)	6,386 tons prepared at Donaldson Breaker - District 25						
(b)	10,257 tons prepared at P. & W. V. Ramp					1,273 tons prepared at Penag Breaker - District 25						
	4,624 tons sold unprepared to itinerate truckers					29 tons prepared at Strohecker Breaker						
(c)	7,448 tons prepared at P. & W. V. Ramp				(l)	6,510 tons prepared at Kocher Breaker - District 30						
	335 tons prepared at Meadowbrook Breaker					630 tons prepared at Oakwood Breaker - District 25						
(d)	All coal prepared at Elizabethtown Washery.					Koppenhaver Coal Co. produced 3,948 tons of this coal,						
(e)	All unprepared silt shipped to Pennsylvania Power & Light Co., Sunbury.					worked 138 days, 6 men - discontinued operations on July 16, 1964.						
(f)	All coal prepared at Penag Breaker - District 25.				(m)	3,576 tons prepared at Kocher Breaker - District 30						
(g)	All coal prepared at Donaldson Breaker - District 25.					3,488 tons prepared at Franklin Breaker - District 25						
(h)	All coal prepared at Meadowbrook Washery.				(n)	1,850 tons prepared at Strohecker Breaker						
(i)	8,500 tons prepared at Strohecker Breaker					1,041 tons prepared at Underkoffler Breaker						
	8,500 tons prepared at Penag Breaker - District 25				(o)	All coal prepared at P. & W. V. Ramp.						
(j)	All coal prepared at Black Heath Breaker - District 19.				(p)	3,998 tons prepared at Penag Breaker - District 25						
						1,612 tons prepared at Strohecker Breaker						

		District 13										
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyes	Fatal acci- dents	Non- fatal acci- dents
		By railroad	By truck	to local trade	colliery for steam and heat							
Bartoli Construction Co., Gene												
Warrior Run Colliery Bank	bk Luzerne	-	8,355	-	-	8,355	-	-	91	3	-	-
Buttonwood Col. Silt Bank	bk Luzerne	-	4,460	-	-	4,460	-	-	50	3	-	-
Total		-	12,815	-	-	12,815 a	-	-	-	6	-	-
Glen Alden Corporation												
Huber Colliery Ashley Strip	S Luzerne	7,448	1,122	2,881	71	11,522 b	-	3,800	286	6	-	-
Huber Colliery Kidney Strip	S Luzerne	2,988	374	1,120	-	4,482 b	-	900	162	4	-	-
Huber Colliery Ashley	B Luzerne	-	-	-	-	-	-	-	244	263	-	-
Huber Colliery Ashley Slope	DM Luzerne	366,517	111,195	132,300	416	610,428 c	715,625	9,800	244	540	4	184
Huber Colliery 132 Slope	DM Luzerne	19,683	3,830	7,220	133	30,866 d	53,900	1,200	173	21	-	6
Maffets Colliery Strip	S Luzerne	44,719	5,125	16,591	381	66,816 e	-	8,400	291	4	-	-
Sugar Notch Col. Preston	S Luzerne	7,363	2,235	2,658	8	12,264 f	14,000	-	295	9	-	-
Sugar Notch Col. 10 Road	S Luzerne	17,927	3,548	6,572	125	28,172 g	38,000	-	291	14	-	-
Sugar Notch Col. Ought Tunnel	DM Luzerne	92,293	28,020	33,313	105	153,731 f	106,000	6,500	245	162	1	28
Sugar Notch Col. 210 Slope	DM Luzerne	5,315	1,613	1,918	5	8,851 f	23,000	-	157	18	-	-
Sugar Notch Col. No. 2 Vein	S Luzerne	71	22	26	-	119 f	-	1,000	34	2	-	-
Sugar Notch Col. Maffets Bank	Luzerne	2,398	609	559	-	3,566 h	-	-	22	8	-	-
Truesdale Col. Middle Road	S Luzerne	5,008	529	1,860	37	7,434 b	-	2,300	248	4	-	-
Truesdale Col. Yard	S Luzerne	35,503	10,672	12,821	35	59,031 i	-	4,819	241	27	-	2
Truesdale Col. 20 Tunnel	S Luzerne	1,273	159	478	-	1,910 j	-	1,500	85	3	-	-



		District 13					Production - net tons					Pounds			
Operators and Collieries	County	Shipped to market		Sold		Used at colliery for steam and heat	Total production	permis-sible ex-plosives used	Pounds dynamite used	Days worked	Empl-oves	Fatal acci-dents	fatal acci-dents		
		By railroad	By truck	to local trade	to colliery										
Glen Alden Corporation (Continued)															
Truesdale Col. 213 Slope	DM Luzerne	52,926	12,020	19,321	282	84,549 k	103,725	6,225	231	75	-	29			
Truesdale Col. 217 Slope	DM Luzerne	29,163	3,219	10,828	282	43,492 l	56,000	2,550	239	56	-	28			
Truesdale Col. 218 Slope	DM Luzerne	6,467	702	2,402	146	9,717 m	16,225	525	236	30	-	3			
Total		697,062	184,994	252,868	2,026	1,136,950	1,126,475	49,519		1,246	5	280			
San Mining Co., Inc.															
Buttonwood Col. 441 Slope	DM Luzerne	44,538	5,106	16,559	412	66,615 n	90,000	-	236	61	-	5			
District Total		741,600	202,915	269,427	2,438	1,216,380	1,216,475	49,519	238	1,313	5	285			

DM - Deep Mined	S - Stripping	bk - Bank	B - Breaker	BP - Breaker Preparation Only	W - Washery
NOTE: (a) All coal shipped unprepared to power plant at Danville.					
(b) All coal prepared at Loree Breaker - District 11.					
(c) 609,808 tons prepared at Huber Breaker					
(d) 620 tons prepared at Loree Breaker - District 11					
(e) 14,725 tons prepared at Huber Breaker					
(f) 16,141 tons prepared at Loree Breaker - District 11					
(g) 3,347 tons prepared at Huber Breaker					
(h) 63,469 tons prepared at Loree Breaker - District 11					
(i) All coal prepared at Huber Breaker.					
(j) 9,977 tons prepared at Huber Breaker					
(k) 18,195 tons prepared at Loree Breaker - District 11					
(l) All coal prepared at Loomis Breaker - District 11					
(m) 58,231 tons prepared at Huber Breaker					
(n) 800 tons prepared at Loree Breaker - District 11					
(o) 309 tons prepared at Huber Breaker					
(p) 1,601 tons prepared at Loree Breaker - District 11					
(q) 54,078 tons prepared at Huber Breaker					
(r) 30,471 tons prepared at Loree Breaker - District 11					
(s) 1,154 tons prepared at Huber Breaker					
(t) 42,338 tons prepared at Loree Breaker - District 11					
(u) 156 tons prepared at Huber Breaker					
(v) 9,561 tons prepared at Loree Breaker, District 11					
(w) 3,908 tons prepared at Huber Breaker					
(x) 61,171 tons prepared at Loree Breaker - District 11					
(y) 1,536 tons prepared at Pompey Breaker - District 1					

		District 14					Production - net tons					Pounds			
Operators and Collieries	County	Shipped to market		Sold		Used at colliery for steam and heat	Total production	permis-sible ex-plosives used	Pounds dynamite used	Days worked	Empl-oves	Fatal acci-dents	fatal acci-dents		
		By railroad	By truck	to local trade	to colliery										
Glen Alden Corporation															
Wanamie Colliery	DM Luzerne	355,670	107,982	128,380	398	592,430 a	545,175	33,350	244	669	1	135			
Wanamie Slopes	DM Luzerne	19,086	5,493	6,905	40	31,524 b	28,750	200	219	34	-	-			
Wanamie Strips	S Luzerne	57,473	16,855	20,776	69	95,173 c	-	425,000	262	46	-	-			
Wanamie Bank	bk Luzerne	69,494	17,107	15,777	-	102,378 d	-	-	176	15	-	-			
Total		501,723	147,437	171,838	507	821,505	573,925	458,550	764	1	135				
Susquehanna Coal Co.															
Grant Anthracite Co.	BP Luzerne	-	-	-	-	-	-	-	213	113	-	7			
No. 7 Colliery Strip	S Luzerne	9,984	7,882	3,152	-	21,018 e	-	24,000	238	9	-	-			
Total		9,984	7,882	3,152	-	21,018	-	24,000	122	-	-	7			

		District 15					Production - net tons					Pounds			
Operators and Collieries	County	Shipped to market		Sold		Used at colliery for steam and heat	Total production	permis-sible ex-plosives used	Pounds dynamite used	Days worked	Empl-oves	Fatal acci-dents	fatal acci-dents		
		By railroad	By truck	to local trade	to colliery										
Audenried Mines, Inc															
No. 11 Slope	DM Schuylkill	8,621	8,938	1,721	21	19,301 a	24,000	-	218	26	-	5			
Beaver Brook Coal Co.															
Beaver Brook Breaker	B Luzerne	-	-	-	-	-	-	-	189	58	-	-			
Brook Contracting Corp.															
Oneida Strip	S Schuylkill	1,791	1,009	1,365	-	4,165 b	-	-	131	8	-	-			
Buckley Coal Corp.															
Buckley Breaker	BP Luzerne	-	-	-	-	- c	-	-	21	11	-	-			
Craig, John															
Oneida Bank	bk Schuylkill	1,910	1,800	606	9	4,325 d	-	-	149	6	-	-			
Cunningham Coal Co.															
Lion Bank	bk Luzerne	110,834	-	-	-	110,834	-	-	128	10	-	-			
Lion Breaker	B Luzerne	-	-	-	-	-	-	-	128	12	-	-			
Total		110,834	-	-	-	110,834 e	-	-	22	-	-	-			
DeLance Contracting Co.															
Drifton No. 1	DM Luzerne	-	2,042	2,772	49	4,863 f	2,800	-	55	19	-	-			
Gowen Coal Co.															
Gowen Breaker	B Luzerne	-	-	-	-	-	-	-	240	22	-	1			
Gowen Mammoth Strip	S Luzerne	12,592	-	5,843	500	18,935	100,000	50,000	280	28	-	-			
Derringer Mammoth Strip	S Luzerne	6,237	-	2,894	-	9,131	1,000	100	280	4	-	-			
Derringer Buck Strip	S Luzerne	11,065	-	5,134	-	16,199	3,000	250	280	5	-	-			
Tomhicken Mammoth Strip	S Luzerne	3,152	-	1,462	-	4,614	2,000	300	100	4	-	-			
Total		33,046	-	15,333	500	48,879 g	106,000	50,650	63	-	-	1			
Greybosh Coal Co.															
Greybosh Breaker	BP Luzerne	-	-	-	-	-	-	-	93	3	-	-			
Honeybrook Mines, Inc.															
Audenried Strip	S Luzerne	324	505	845	45	1,719	-	-	47	5	-	3			

		District 15 Production - net tons					Pounds	Pounds	Days	Empl-	Fatal	Non-
Operators and Collieries	County	Shipped to market		Sold to	Used at	Total	permis- sible ex- plosives used	dynamite used	worked	oyes	acci- dents	fatal acci- dents
		By railroad	By truck	local trade	for steam and heat							
Honeybrook Mines, Inc. (continued)												
Audenried Strip	S Schuylkill	118,324	122,505	22,845	246	263,920	2,153,151	15,154	231	102	-	2
Honeybrook Breaker	B Carbon	-	-	-	-	-	-	-	203	73	-	1
Humboldt Strip	S Luzerne	17,693	18,344	3,532	44	39,613	255,234	1,796	232	16	-	-
Total		136,341	141,354	27,222	335	305,252 a	2,408,385	16,950		196	-	6
Huss, George												
Buck Mountain Strip	S Luzerne	2,912	2,742	923	15	6,592	-	18,400	99	8	-	-
Drifton Bank	bk Luzerne	1,967	1,954	623	10	4,454	-	-	46	14	-	-
Drifton Strip	S Luzerne	11,176	10,328	3,743	58	25,305	-	88,540	204	26	-	-
Eckley Strip	S Luzerne	10,331	9,425	3,574	60	23,390	-	116,200	234	21	-	-
Huss Bank	bk Luzerne	1,930	1,817	612	10	4,369	-	-	90	6	-	-
Jeddo No. 4 Strip	S Luzerne	1,848	1,703	623	10	4,184	-	8,280	97	8	-	-
Lattimer Bank	bk Luzerne	1,569	1,479	498	8	3,554	-	-	57	10	-	-
Mammoth Wharton Strip	S Luzerne	1,591	1,899	104	8	3,602	-	10,200	51	9	-	-
Total		33,324	31,247	10,700	179	75,450 h	-	241,620		102	-	-
Jeddo-Highland Coal Company												
Eckley Strip	S Luzerne	7,479	15,832	6,363	642	30,316	57,000	917	53	*	-	-
Highland Strip	S Luzerne	8,195	17,347	6,971	717	33,230	19,672	-	39	*	-	-
Highland No.5 Fine Coal Plant	W Luzerne	-	-	-	-	-	-	-	60	*	-	1
Highland No. 5 Bank	bk Luzerne	55,180	-	-	121	55,301	-	-	60	*	-	-
Jeddo No. 7 Breaker	B Luzerne	-	-	-	-	-	-	-	57	*	-	-
Jeddo No. 4 Strip	S Luzerne	3,528	7,467	3,001	290	14,286	-	-	56	*	-	1
Jeddo Shops & Extras	Luzerne	-	-	-	-	-	-	-	62	*	-	-
Stockton Strip	S Luzerne	3,528	7,472	3,003	297	14,300	14,000	970	64	*	-	-
Total		77,910	48,118	19,338	2,067	147,433 i	90,672	1,887		*	-	2
Jeddo-Highland Coal Co.												
General Office	Luzerne	-	-	-	-	-	-	-	194	24	-	-
Highland No. 4 & 5 Banks	bk Luzerne	137,664	29,116	5,735	40	168,555	-	-	312	39	-	-
Highland No.5 Fine Coal Plant	W Luzerne	-	-	-	-	-	-	-	180	23	-	-
Highland Strip	S Luzerne	62,446	51,961	17,642	377	132,426	1,796,422	-	181	40	-	-
Jeddo No. 7 Breaker	B Luzerne	-	-	-	-	-	-	-	178	58	-	-
Jeddo No. 4 Strip	S Luzerne	57,452	47,807	16,231	347	121,837	-	-	161	50	-	-
Jeddo Shops & Extras	Luzerne	-	-	-	-	-	-	-	194	5	-	-
Stockton Strip	S Luzerne	16,865	14,033	4,764	102	35,764	95,272	1,356	267	12	-	-
Upper Lehigh No. 1 Bank	bk Luzerne	3,500	2,500	1,171	-	7,171	-	-	18	8	-	-
Upper Lehigh Buck Strip	S Luzerne	8,538	7,104	2,412	53	18,107	284,359	-	86	30	-	-
Total		286,465	148,521	47,955	919	483,860 j	2,176,053	1,356		289	-	-

		District 15 Production - net tons					Pounds	Pounds	Days	Empl-	Fatal	Non-
Operators and Collieries	County	Shipped to market		Sold to	Used at	Total	permis- sible ex- plosives used	dynamite used	worked	oyes	acci- dents	fatal acci- dents
		By railroad	By truck	local trade	for steam and heat							
Kassa Coal Co.												
Wharton Strip	S Carbon	-	719	270	-	989	-	-	64	**	-	-
Wharton Slope	DM Carbon	-	1,185	1,000	-	2,185	4,000	-	87	6	-	1
Total		-	1,904	1,270	-	3,174 k	4,000	-	6	-	-	1
L. & D. Mining, Inc.												
No. 1 Drift	DM Luzerne	-	1,063	2,158	-	3,221 l	2,800	-	87	8	-	-
Lee Mining Co., J. F.												
Drifton No. 1 Slope	DM Luzerne	-	2,898	3,933	69	6,900 f	4,000	-	149	14	-	-
Lehigh Valley Anthracite, Inc.												
Admiral Bank	bk Luzerne	15,078	14,002	3,049	-	32,129	-	-	76	15	-	-
Admiral Cleaning Plant	W Luzerne	-	-	-	-	-	-	-	76	16	-	1
Hazwood Strip	S Luzerne	141	131	28	-	300	-	-	50	5	-	-
Hazleton Shaft Breaker	B Luzerne	-	-	-	-	-	-	-	231	81	-	4
Hazleton Shaft Strip	S Luzerne	35,565	33,026	7,192	3,841	79,624	-	-	224	25	-	2
Spring Mountain Strip	S Carbon	39,612	36,784	8,010	-	84,406	-	819,419	137	98	-	4
Stockton Strip	S Luzerne	123,439	114,627	24,961	-	263,027	3,762,528	-	335	51	-	1
Total		213,835	198,570	43,240	3,841	459,486 m	3,762,528	819,419		291	-	12
Leonard Coal Co.												
Leonard Breaker	BP Luzerne	-	-	-	-	-	-	-	135	2	-	-
Meadow Coal & Excavating Co.												
Lykens Strip	S Schuylkill	713	713	338	18	1,782	10,000	-	110	6	-	-
Oneida Strip	S Schuylkill	387	387	186	9	969	10,000	-	97	***	-	-
Total		1,100	1,100	524	27	2,751 n	20,000	-	6	-	-	-
Racho, George												
Hazwood Bank	bk Luzerne	39,559	23,460	-	-	63,019	-	-	156	13	-	-
Hazleton Shaft Bank	bk Luzerne	78,953	39,213	-	-	118,166	-	-	136	10	-	-
Prosser Bank	bk Luzerne	-	230,576	-	-	230,576	-	-	142	16	-	-
Stockton Bank	bk Luzerne	-	7,500	-	-	7,500	-	-	61	4	-	-
Total		118,512	300,749	-	-	419,261 o	-	-		43	-	-
Sandy Run Miners & Producers, Inc.												
Upper Lehigh Breaker	BP Luzerne	-	-	-	-	-	-	-	88	14	-	-
Upper Lehigh Strip	S Luzerne	-	-	23,468	-	23,468	-	-	88	5	-	-
Total		-	-	23,468	-	23,468 p	-	-		19	-	-
Tedesco Brothers Coal Co.												
Tedesco Breaker	BP Luzerne	-	-	-	-	-	-	-	81	4	-	-
District Total												
		1,023,689	889,313	201,605	8,016	2,122,623	8,601,238	1,131,882	193	1,196	-	27
DM - Deep Mined	S - Stripping	bk - Bank	B - Breaker	BP - Breaker Preparation Only	W - Washery							



		District 16 Production - net tons					Pounds	Pounds	Days	Empl-	Fatal	Non-
		Shipped to market		Sold	Used at	Total	permis-	dynamite	worked	oves	acci-	fatal
Operators and Collieries	County	By	By	to	colliery	production:	sible ex-	used			dents	acci-
		railroad	truck	local	for steam		posives					dents
Shuey Coal Co.	DM Schuylkill	4,704	7,589	185	106	12,584 u	9,350	-	310	11	-	1
Primrose Slope												
Superior Coal Co.	BP Schuylkill	-	-	-	-	-	-	-	306	10	-	-
Superior Breaker												
Wiest Coal Co.	DM Schuylkill	1,810	1,778	77	26	3,691 v	950	-	312	5	-	1
Primrose Slope												
Williamson Coal Co., A.R.	DM Schuylkill	20,202	35,929	3,861	55	60,047 w	189,130	-	298	29	-	10
Skidmore Slope												
District Total		172,988	335,211	98,064	3,761	610,024	512,855	-	274	390	1	59
DM - Deep Mined	S - Stripping	bk - Bank		B - Breaker		BP - Breaker Preparation Only					W - Washery	

NOTE: (a) All coal prepared at Kocher Breaker - District 30. (b) All coal prepared at Penag Breaker - District 25. (c) 5,199 tons prepared at Legal Breaker. (d) 4,208 tons prepared at Kocher Breaker - District 30. 11,925 tons prepared at Pine Creek Breaker - District 12. 4,614 tons prepared at Pine Creek Breaker - District 30. 41,437 tons prepared at Underkoffler Breaker - District 12. 8,130 tons prepared at Kocher Breaker - District 30. 7,214 tons prepared at Direnzo Breaker - District 21. 2,431 tons prepared at Strohecker Breaker - District 12. 13,355 tons prepared at Schneck's Breaker - District 25. 11,953 tons prepared at Franklin Hydrotated Breaker - District 25. (e) 107 tons prepared at Kocher Breaker - District 30. 270 tons prepared at North Line Breaker - District 24. (f) All coal prepared at Pine Creek Breaker - District 12. (g) All coal prepared at Donaldson Breaker - District 25. (h) 14,872 tons prepared at Schneck's Breaker - District 25. 14,032 tons prepared at Oakwood Breaker - District 25. 4,432 tons prepared at Underkoffler Breaker - District 12. 3,068 tons prepared at Hillside Breaker - District 25. 1,779 tons prepared at K. & P. Breaker - District 21. (i) All coal prepared at Legal Breaker. (j) Ceased operations in July, 1964. (k) 11,838 tons prepared at Legal Breaker. 671 tons prepared at Meadowbrook Breaker - District 12. 435 tons prepared at North Line Breaker - District 24.

(l) 7,415 tons prepared at Legal Breaker. 817 tons prepared at Pine Creek Breaker - District 12. (m) All coal prepared at Kocher Breaker - District 30. This mine formerly operated by Morgan & Harner Coal Company - produced 23,441 tons, worked 230 days, 11 employes. (n) 11,808 tons prepared at Kocher Breaker - District 30. 5,407 tons prepared at Strohecker Breaker - District 12. 2,006 tons prepared at Oakwood Breaker - District 25. (o) 4,000 tons prepared at Kocher Breaker - District 30. 11,207 tons prepared at Legal Breaker. (p) 14,259 tons prepared at Kocher Breaker - District 30. 11,114 tons prepared at Oakwood Breaker - District 25. (q) 8,416 tons prepared at Schneck's Breaker - District 25. 5,275 tons prepared at Oakwood Breaker - District 25. 7,868 tons prepared at Koch's Breaker - District 25. (r) All coal prepared at Black Heath Breaker - District 19. (s) 37,146 tons prepared at Pine Creek Breaker - District 12. 11,086 tons prepared at Legal Breaker. (t) 3,763 tons prepared at Penag Breaker - District 25. 1,120 tons prepared at Underkoffler Breaker - District 12. (u) 6,421 tons prepared at Legal Breaker. 6,163 tons prepared at Kocher Breaker - District 30. (v) 2,574 tons prepared at Kocher Breaker - District 30. 1,117 tons prepared at Strohecker Breaker - District 12. (w) 4,486 tons prepared at Legal Breaker. 35,516 tons prepared at Strohecker Breaker - District 12. 17,399 tons prepared at Superior Breaker. 2,646 tons prepared at Stonhill Breaker - District 12.

		District 17 Production - net tons					Pounds	Pounds	Days	Empl-	Fatal	Non-
		Shipped to market		Sold	Used at	Total	permis-	dynamite	worked	oves	acci-	fatal
Operators and Collieries	County	By	By	to	colliery	production:	sible ex-	used			dents	acci-
		railroad	truck	local	for steam		posives					dents
D. H. & W. Coal Co.	DM Northumberland	8,458	14,520	12,161	15	35,154	16,050	1,450	303	15	-	4
No. 2 & 4 Slopes												
No. 1 Slope	DM Northumberland	-	-	-	-	- a	-	-	38	-	-	-
No. 3 Slope	DM Northumberland	-	-	-	-	- a	-	-	29	-	-	-
Total		8,458	14,520	12,161	15	35,154 b	16,050	1,450	15	-	-	4
Dallabrida Coal Co.	DM Northumberland	4,951	4,951	3,480	21	13,403 c	6,000	350	153	13	-	-
Mount Poco No. 3 Slope												
Fairdeal Coal Co.	DM Northumberland	2,996	6,638	1,846	17	11,497 d	4,275	875	303	14	-	3
No. 9 Vein S.D. Slope												
Glosek Brothers Coal Co.	S Northumberland	4,669	-	15,631	45	20,345 e	-	3,870 f	302	7	-	-
G-1 Strip												
H. J. & H. Coal Co.	BP Northumberland	-	-	-	-	-	-	-	279	4	-	-
H. J. & H. Breaker												
Minel, Incorporated	S Northumberland	2,897	16,052	4,447	47	23,443 g	-	8,775 h	278	9	-	-
K-1 Strip												
Phillips Coal Co.	DM Northumberland	4,425	5,762	5,731	30	15,948	6,500	550	305	9	-	-
No. 4 Slope												
No. 5 & 6 Slopes	DM Northumberland	1,792	4,032	1,937	16	7,777	3,225	425	306	6	-	-
Total		6,217	9,794	7,668	46	23,725 i	9,725	975	15	-	-	-
Reading Anthracite Co.	BP Northumberland	-	-	-	-	- j	-	-	60	-	-	-
Trevorton Breaker (Old)												
Trevorton S-5 Strip	S Northumberland	126,929	8,165	13,251	110	148,455	-	185,100 k	291	20	-	1
(Wright Coal Co., Contractor)												
Trevorton Breaker (New)	BP Northumberland	-	-	-	-	-	-	-	233	21	-	2
Trevorton S-5A Strip	S Northumberland	83,813	5,392	8,772	50	98,027	-	40,350 l	266	21	-	1
North Franklin Bank	bk Northumberland	24,614	1,599	2,545	17	28,775	-	-	196	3	-	-
(Trevorton Anthracite Co., Cont.)												
Total		235,356	15,156	24,568	177	275,257 m	-	225,450	65	-	-	4
Rosini Coal Co.	S Northumberland	72,196	118,679	5,934	989	197,798	-	8,850 n	331	28	-	1
R-1 Strip												
(Carbo Contractors, Inc.)												
(Harry D. Reitz Co., Cont.)	S Northumberland	-	1,994	-	-	1,994	-	-	160	2	-	-
Total		72,196	120,673	5,934	989	199,792 o	-	8,850	30	-	-	1
Zerco Coal Co.	DM Northumberland	4,912	4,912	3,425	26	13,275 p	4,750	400	172	15	-	-
Mount Poco No. 3 Slope												
District Total		342,652	192,696	79,160	1,383	615,891	40,800	250,995	280	187	-	12
DM - Deep Mined	S - Stripping	bk - Bank		B - Breaker		BP - Breaker Preparation Only					W - Washery	



		District 17 Production - net tons					Pounds		Pounds		Fatal		Non-fatal		
Operators and Collieries		County		Shipped to market		Sold		Used at		permiss-		Fatal		Non-fatal	
				By		to		colliery		sible ex-		Empl-		fatal	
				railroad		local		for steam		plosives		oves		accidents	
				truck:		trade		and heat		used		worked		accidents	
								Total		production:					
NOTE: (a) Slopes used for pumping.															
(b) 28,564 tons prepared at North Line Breaker - District 24								(h) 20,100 lbs. of Ammonium Nitrate was used at this mine.							
4,522 tons prepared at D. & Z. Breaker - District 24								(i) 20,870 tons prepared at North Line Breaker - District 24							
192 tons prepared at Swift Breaker - District 24								(j) 2,855 tons prepared at Sunshine Breaker - District 28							
1,876 tons prepared at Split Vein Breaker - District 24								(k) Breaker abandoned March 1964.							
(c) All coal prepared at Bar Mac Breaker - District 24.								(l) 1,677,270 lbs. of Ammonium Nitrate was used at this mine.							
Began operations July 1, 1964.								(m) 923,310 lbs. of Ammonium Nitrate was used at this mine.							
(d) 5,798 tons prepared at Bar Mac Breaker - District 24								(n) All coal prepared at Trevorton Breaker.							
5,699 tons prepared at Sunshine Breaker - District 28								(o) 619,635 lbs. of Ammonium Nitrate was used at this mine.							
(e) All coal prepared at Glosek Breaker - District 24.								(p) 197,798 tons prepared at Carbon Run Breaker - District 24							
(f) 18,900 lbs. of Ammonium Nitrate was used at this mine.								(q) 1,994 tons prepared at H. J. & H. Breaker							
(g) 9,588 tons prepared at D. & Z. Breaker - District 24								(r) All coal prepared at Bar Mac Breaker - District 24.							
13,855 tons prepared at Sunshine Breaker - District 24								Ceased operations on June 30, 1964.							

		District 18					Pounds		Pounds		Fatal		Non-fatal												
Operators and Collieries		County		Shipped to market		Sold		Used at		permiss-		Fatal		Non-fatal											
				By		to		colliery		sible ex-		Empl-		fatal											
				railroad		local		for steam		plosives		oves		accidents											
				truck:		trade		and heat		used		worked		accidents											
								Total		production:															
A. & D. Coal Co.		DM Schuylkill		-		10,568		144		105		10,817 a		7,500		290		10		-		-			
Mammoth Slope																									
Anthracite By-Products Co.		bk Schuylkill		13,570		12,980		2,950		-		29,500 b		-		-		150		4		-		-	
No. 11 Bank																									
Big Pine Coal, Inc.		DM Schuylkill		545		285		1,739		26		2,595 c		2,700		-		285		3		-		-	
No. 1 Tunnel																									
Bliss & Son, Inc., R. T.		W Carbon		-		-		-		-		-		-		-		203		5		-		1	
Bliss Washery																									
Bliss Bank		bk Carbon		29,920		26,920		-		-		56,840		-		-		203		4		-		-	
Total				29,920		26,920		-		-		56,840 d		-		-		9		-		-		1	
Blue Jay Coal Co.		DM Schuylkill		1,102		578		3,818		52		5,550 c		3,500		250		280		6		-		-	
Bottom Split Slope																									
Brockton Black Beauty Coal Co.		BP Schuylkill		-		-		-		-		-		-		-		242		5		-		-	
Brockton Breaker																									
Canfield Construction Co.		S Schuylkill		725		476		1,042		23		2,266 e		-		-		111		3		-		-	
Kaska Strip																									
Dale Contracting Corp.		bk Schuylkill		17,120		-		1,289		-		18,409 f g		-		-		48		5		-		-	
So. Tamaqua RR Yard Bank																									
F. & A. Hauling		bk Carbon		1,386		1,386		307		-		3,079 b h		-		-		76		4		-		-	
No. 9 Bank																									
Farley & Ihnat Coal Co.		DM Schuylkill		-		24,277		5,863		160		30,300 i		6,000		2,000		282		14		1		2	
Buck Slope																									

		District 18 Production - net tons					Pounds		Pounds		Fatal		Non-fatal												
Operators and Collieries		County		Shipped to market		Sold		Used at		permiss-		Fatal		Non-fatal											
				By		to		colliery		sible ex-		Empl-		fatal											
				railroad		local		for steam		plosives		oves		accidents											
				truck:		trade		and heat		used		worked		accidents											
								Total		production:															
Greenwood Mining Co.		BP Schuylkill		-		-		-		-		-		-											
Greenwood Breaker																									
Greenwood Stripping Corp.		S Schuylkill		168,011		163,222		37,213		-		368,446		617,037		610,100		241		149		-		19	
Harbon Strip				63,467		61,657		14,057		-		139,181		120,050		305,100		293		48		-		6	
Lansford Strip		S Carbon		37,849		36,770		8,383		-		83,002		32,000		-		254		32		-		3	
Little Italy Strip		S Carbon		33,188		32,240		7,351		-		72,781		25,000		-		281		28		-		1	
Nesquehoning Strip		S Carbon		50,375		48,939		11,157		-		110,471		60,126		502,370		302		33		-		-	
Schickram No. 8 Bank		bk Schuylkill		13,423		13,040		2,973		-		29,436		-		-		252		7		-		-	
Schickram No. 9		Carbon		-		-		-		-		-		-		-		242		2		-		-	
Total				366,313		355,870		81,134		-		803,317 b		854,213		1,627,570		299		-		-		29	
Grigas Coal Co.		DM Schuylkill		-		11,069		-		112		11,181 k		13,000		-		257		9		-		1	
Patterson Tunnel																									
Harbon Coal & Contracting Co.		S Schuylkill		917		877		200		-		1,994 b l		20,000		5,420		29		13		-		-	
Rahn Strip																									
Hillside Coal Co.		BP Schuylkill		-		-		-		-		-		-		-		205		16		-		-	
Hillside Breaker																									
K. M. & F. Coal Sarvice		BP Schuylkill		-		-		-		-		-		-		-		72		6		-		-	
K. M. & F. Breaker																									
Kristoff Coal Co.		DM Schuylkill		-		7,082		-		72		7,154 k		4,000		152		277		8		-		-	
Four Foot Slope																									
Krell Coal Co., Philip		S Schuylkill		-		3,146		-		32		3,178 k		-		1,100		220		3		-		-	
Krell Strip																									
Lanscoal Mining Co., Inc.		DM Carbon		11,598		11,268		2,569		-		25,435 b		17,500		2,300		244		18		-		-	
No. 9																									
Laurel Hill Coal Co.		DM Schuylkill		2,115		1,108		6,748		101		10,072 c		5,550		1,000		272		7		-		-	
Coal Hill Drift																									
Manbeck Dredging Co., Inc.		W Carbon		-		-		-		-		-		-		-		228		5		-		-	
No. 6 Washery																									
No. 6 Bank		bk Carbon		46,200		13,800		-		-		60,000		-		-		228		5		-		-	
Total				46,200		13,800		-		-		60,000 m n		-		-		10		-		-		-	
Mar Strip & Excavating Co.		bk Carbon		21,315		20,708		4,721		-		46,744 b		-		-		268		7		-		1	
No. 5 Bank																									
Mountain Side Coal Co.		BP Schuylkill		-		-		-		-		-		-		-		270		2		-		-	
Mountain Side Breaker																									
Phoenix Contracting Co.		S Schuylkill		2,418		8,764		3,777		151		15,110 p q		-		8,000		94		14		-		1	
Mary-D Strip																									
Pottsville Anthracite Cinder Corp.		S Schuylkill		-		559		4,979		56		5,594 r		-		2,000		168		2		-		-	
Lewis Strip																									



District 19

Production - net tons

Operators and Collieries	County	Shipped to market		Sold		Used at colliery for steam and heat	Total production	Pounds permissible explosives used	Pounds dynamite used	Days worked	Empl- oves	Fatal acci- dents	Non-fatal acci- dents
		By railroad	By truck	to local trade	to colliery								
P. & D. Coal Co.	bk Schuylkill	420	42	138	-	-	600 i j	-	-	10	4	-	-
Silver Creek Bank													
Phoenix Contracting Co.	BP Schuylkill	-	-	-	-	-	-	-	-	194	9	-	2
Black Heath Breaker													
Pottsville Anthracite Cinder Corp.	S Schuylkill	1,115	731	1,602	35	3,483 d k	-	-	-	40	5	-	-
Valent Strip													
Reading Anthracite Co.	S Schuylkill	114,281	11,376	37,800	-	163,457	3,757,644	-	-	254	34	-	3
St. Clair P-44 Strip													
St. Clair P-48 Strip	S Schuylkill	57,648	6,806	20,614	-	85,068	3,017,158	-	-	207	67	-	5
St. Clair P-33 Strip	S Schuylkill	-	-	-	-	-	-	-	-	277	4	-	-
Pine Forest Cleaner Plant	B Schuylkill	-	-	-	-	-	-	-	-	129	8	-	2
Total		171,929	18,182	58,414	-	248,525 l	6,774,802	-	-	113	-	-	10
Ridge Stripping Co., Inc.	S Schuylkill	7,210	21,180	16,223	451	45,064 g	38,700	800	800	262	14	-	-
Ridge Strip													
Walton, John	BP Schuylkill	-	-	-	-	-	-	-	-	125	2	-	-
Walton Breaker													
District Total		260,254	57,980	93,886	870	412,990	6,822,902	3,550	3,550	195	234	-	17

DM - Deep Mined      S - Stripping      bk - Bank      B - Breaker      BP - Breaker Preparation Only      W - Washery

NOTE: (a) All coal prepared at K. & P. Breaker - District 21.      (g) All coal prepared at Minersville Breaker - District 21.  
 (b) All coal prepared at Kaska Breaker.      (h) All coal prepared at Lowland Washery.  
 (c) All coal prepared at Seltzer Breaker - District 26.      (i) All coal prepared at St. Nicholas Breaker - District 26.  
 (d) All coal prepared at Silver Creek Breaker - District 28.      (j) Began and ceased operations in April 1964.  
 (e) Operations began in August and ceased in October 1964.      (k) Began operations in November 1964.  
 (f) Operations began in August and ceased in November 1964.      (l) 91,083 tons prepared at St. Nicholas Breaker - District 26.  
 157,442 tons prepared at New St. Nicholas Breaker - District 21.

District 20

Operators and Collieries	County	Shipped to market	Sold	Used at colliery	Total	Pounds permissible explosives used	Pounds dynamite used	Days worked	Empl- oves	Fatal acci- dents	Non-fatal acci- dents	
Burnrite Coal Co.	DM Columbia	-	12,825	-	-	12,825 a	5,000	-	200	7	-	1
No. 2 Lykens Vein Slope												
C. & J. Coal Co.	S Northumberland	3,312	216	72	-	3,600 b	-	200	120	4	-	-
Natalie Strip												
C. & S. Coal Co.	S Northumberland	-	567	-	-	567 a c	-	-	34	2	-	-
Natalie Strip												

District 20

Production - net tons

Operators and Collieries	County	Shipped to market		Sold		Used at colliery for steam and heat	Total production	Pounds permissible explosives used	Pounds dynamite used	Days worked	Empl- oves	Fatal acci- dents	Non-fatal acci- dents
		By railroad	By truck	to local trade	to colliery								
Conyngnam Contracting Co., Inc.	S Columbia	12,417	3,809	3,260	-	19,486 d	29,560	9,818	-	197	19	-	-
Germantown Strip													
D. & D. Coal Co.	BP Northumberland	-	-	-	-	-	-	-	-	200	2	-	-
D. & D. Breaker													
D. R. Z. Coal Co.	DM Northumberland	456	1,368	976	-	2,800 e	2,500	-	-	120	5	-	-
No. 5 Vein Slope													
Diamond Coal Co., Inc.	BP Northumberland	-	-	-	-	-	-	-	-	89	22	-	1
Diamond Breaker													
Ennis Coal Co.	DM Columbia	6,189	2,912	3,034	-	12,135 f	13,133	-	-	271	7	-	-
Locust Run Slope													
Hank's Coal Co.	DM Northumberland	-	7,183	-	-	7,183 a	5,200	-	-	276	11	-	-
No. 2 Slope, #2 Lykens Vein													
Howells, T.S. & Olaf S. Stripping Co.	S Northumberland	-	-	-	-	- g	-	-	-	10	2	-	-
Natalie Strip													
Jete Coal Co.	DM Northumberland	5,301	4,694	4,082	-	14,077 h	-	200	200	254	6	-	1
Richards Strip													
K. & H. Coal Co.	BP Northumberland	-	-	-	-	-	-	-	-	250	6	-	-
Skidmore S.D. #1 Slope													
K. & K. Coal Co.	S Columbia	-	1,470	-	-	1,470 i	370	-	-	62	4	-	-
K. & K. Breaker													
Kerrigan Coal Co., Paul Logan Strip	S Northumberland	1,492	702	732	-	2,926	-	-	-	27	2	-	-
Kerris & Helfrick, Inc.	S Northumberland	3,754	1,767	1,841	-	7,362	-	-	-	71	6	-	-
Sayre Strip	S Northumberland	847	399	415	-	1,661	-	-	-	30	3	-	-
Stuartsville Strip	S Northumberland	-	-	-	-	-	-	-	-	30	3	-	-
Hickory Swamp Strip													
Total		6,093	2,868	2,988	-	11,949 f	-	-	-	30	3	-	-
M. & W. Coal Co.	DM Columbia	9,266	4,360	4,542	-	18,168 f	9,050	-	-	301	13	-	-
Mexriam Slope													
R. B. F. Coal Co.	bk Northumberland	4,600	300	100	-	5,000 b	-	800	800	140	3	-	-
Sagon Banks													
Racho, George	bk Northumberland	120,056	-	-	-	120,056 j	-	-	-	132	7	-	-
Sagon Banks													
Reidinger Coal Sales	bk Northumberland	-	-	2,095	-	2,095 k	-	-	-	69	1	-	-
Greenough Bank													
Rick Coal Co.	bk Northumberland	-	5,300	-	-	5,300 a	-	-	-	79	2	-	-
Pennsylvania Bank													
Sagon Coal Co.	DM Northumberland	1,446	681	709	-	2,836 f	1,000	-	-	250	5	-	-
No. 9-3/4 Vein Slope													

		District 20 Production - net tons				Pounds		Days worked	Empl- oves	Fatal acci- dents	Non- fatal acci- dents
Operators and Collieries	County	Shipped to market By railroad	Sold to local By truck	Used at to colliery for steam and heat	Total production	permiss- ible ex- plosives used	Pounds dynamite used				
Savitski Brothers Coal Sales Savitski Breaker	BP Northumberland	-	-	-	-	-	-	288	6	-	-
Shuey & Morgan Coal Co. No. 93 Slope	DM Northumberland	5,026	2,264	2,564	-	9,854 f	3,000	318	5	-	-
State Coal Co., Inc. State Coal Co. Breaker	B Northumberland	-	-	-	200	69,567	-	129	38	-	-
Pennsylvania Bank	bk Northumberland	35,377	16,648	17,342	200	69,567 f	-	129	3	-	-
<b>Total</b>		<b>35,377</b>	<b>16,648</b>	<b>17,342</b>	<b>200</b>	<b>69,567 f</b>	<b>-</b>	<b>41</b>	<b>-</b>	<b>-</b>	<b>-</b>
Susquehanna Coal Co. Merriam Strip	S Columbia	28,960	9,158	5,419	-	43,537 l	147,800	111	10	-	-
Sayre Strip	S Northumberland	1,235	581	606	-	2,422 f	50,850	33	23	-	-
<b>Total</b>		<b>30,195</b>	<b>9,739</b>	<b>6,025</b>	<b>-</b>	<b>45,959</b>	<b>147,800</b>	<b>99,938</b>	<b>33</b>	<b>-</b>	<b>-</b>
<b>District Total</b>		<b>244,324</b>	<b>79,364</b>	<b>50,039</b>	<b>200</b>	<b>373,927</b>	<b>226,213</b>	<b>110,956</b>	<b>150</b>	<b>233</b>	<b>3</b>

DM - Deep Mined      S - Stripping      bk - Bank      B - Breaker      BP - Breaker Preparation Only      W - Washery

- NOTE: (a) All coal shipped to Merck & Co., Inc. (h) 4,193 tons prepared at D. & Z. Breaker - District 24  
 (b) All coal prepared at Diamond Breaker. (i) 211 tons prepared at Legal Breaker - District 16  
 (c) Ceased operations on May 1, 1964. (j) 9,673 tons prepared at Glen Burn Breaker - District 24  
 (d) 4,073 tons prepared at Glen Burn Breaker - District 24 P. & M. Coal Co. formerly operated Richards Strip -  
 3,476 tons prepared at Diamond Breaker produced 9,593 tons, worked 110 days, same employees.  
 11,937 tons prepared at Mammoth Breaker - District 22 Ceased operations on May 31, 1964.  
 (e) 2,000 tons prepared at D. & Z. Breaker - District 24 (i) All coal prepared at Millersville Breaker - District 27.  
 800 tons prepared at Bar Mac Breaker - District 24 (j) All coal shipped to Pennsylvania Power & Light Co. direct.  
 (f) All coal prepared at Glen Burn Breaker - District 24. (k) All coal prepared at Reidinger Breaker - District 24.  
 (g) Restored surface only - ceased operations January 15, 1964. (l) 13,918 tons prepared at Glen Burn Breaker - District 24  
 12,718 tons prepared at Diamond Breaker  
 16,838 tons prepared at Mammoth Breaker - District 22

		District 21 Production - net tons				Pounds		Days worked	Empl- oves	Fatal acci- dents	Non- fatal acci- dents
Operators and Collieries	County	Shipped to market By railroad	Sold to local By truck	Used at to colliery for steam and heat	Total production	permiss- ible ex- plosives used	Pounds dynamite used				
Allen Mining Co. Skidmore Slope	DM Schuylkill	535	12,894	18,943	335	32,707 a	15,250	238	16	-	3
Bosack Coal Co. Bosack Slope	DM Schuylkill	3,070	3,801	365	74	7,310	3,250	244	8	-	1
No. 2 Drift	DM Schuylkill	5,715	7,076	680	137	13,608	500	244	11	-	1
<b>Total</b>		<b>8,785</b>	<b>10,877</b>	<b>1,045</b>	<b>211</b>	<b>20,918 b</b>	<b>6,750</b>	<b>1,750</b>	<b>19</b>	<b>-</b>	<b>2</b>

		District 21 Production - net tons				Pounds		Days worked	Empl- oves	Fatal acci- dents	Non- fatal acci- dents
Operators and Collieries	County	Shipped to market By railroad	Sold to local By truck	Used at to colliery for steam and heat	Total production	permiss- ible ex- plosives used	Pounds dynamite used				
Branch Coal Corporation Branch Breaker	BP Schuylkill	-	-	-	-	-	-	40	15	-	-
Cass Contracting Co. Marlin Breaker	BP Schuylkill	-	-	-	-	c	-	-	-	-	-
Coxe Coal Co. Woods Drift	DM Schuylkill	-	-	-	-	-	-	106	12	-	-
D. E. & C. Co. D. E. & C. Bank	bk Schuylkill	-	3,822	5,880	99	9,801 d	11,000	237	9	-	-
D. & M. Coal Co. Tracy Slope	DM Schuylkill	2,457	4,011	-	-	6,468 e	-	64	5	-	-
Dando Coal Co., Frederick P. No. 12 Rock Slope	DM Schuylkill	3,573	5,294	4,235	133	13,235 f	8,000	196	14	-	-
Dando & Troup Coal Co. Dando & Troup Strip	S Schuylkill	1,751	6,757	3,879	126	12,513 g	6,500	221	19	-	5
DiRenzo Coal Co. DiRenzo Breaker	BP Schuylkill	2,029	5,961	4,566	129	12,685 h	8,350	283	6	-	-
Glenn Worth Coal Co. Glenn Worth Breaker	BP Schuylkill	-	-	-	-	-	-	204	12	-	1
H. & P. Coal Co. No. 1 Buck Mountain Slope	DM Schuylkill	2,101	5,600	1,110	79	8,890 i	8,850	240	4	-	-
Hauptly J. & Hoke C. South Dip Salem Strip	S Schuylkill	1,283	6,457	2,803	77	10,620 j	13,000	160	10	-	-
Hegins Mining Co. Sharp Mountain Slope	DM Schuylkill	5,559	17,230	2,102	154	25,045 k	18,000	313	13	-	-
K. & P. Coal Co. K. & P. Breaker	BP Schuylkill	-	-	-	-	-	-	313	13	-	-
Koris Company, Inc. Silverton Strip	S Schuylkill	29,016	25,502	2,096	59	56,673 l	56,400	165	18	-	1
Kowalchick, Michael Kowalchick Breaker	BP Schuylkill	-	-	-	-	-	21,200	165	18	-	-
Live Oak Coal Co. Live Oak Breaker	BP Schuylkill	-	-	-	-	-	-	250	2	-	-
M. & N. Coal Co. Middle Split Slope	DM Schuylkill	1,328	4,280	5,915	119	11,642 m	8,150	258	7	-	-
M. & S. Coal Co. M. & S. Strip	S Schuylkill	291	614	631	-	1,536 n	-	269	13	-	4
Manbeck Dredging Co. Forestville Washery	W Schuylkill	-	-	-	-	-	-	99	3	-	1
Lytle Bank	bk Schuylkill	-	-	-	-	-	-	252	6	-	-
<b>Total</b>		<b>63,900</b>	<b>63,900</b>	<b>-</b>	<b>-</b>	<b>63,900</b>	<b>-</b>	<b>252</b>	<b>6</b>	<b>-</b>	<b>-</b>



		District 21 Production - net tons					Pounds			Fatal	Non-
		Shipped to market	Sold to	Used at	Total	permis-	Pounds	Days	Empl-	Fatal	fatal
		By	By	local	production:	sible ex-	dynamite	worked	oves	acci-	acci-
Operators and Collieries	County	railroad	truck	trade		plosives	used			dents	dents
Manue, John Jr.	S Schuylkill	590	1,701	276	29	2,596 p	-	285	3	-	-
Tunnel Vein Strip	S Schuylkill	-	-	-	-	-	-	263	19	-	2
Maple Spring Coal Co.	BP Schuylkill	-	-	-	-	-	-	303	12	-	-
Maple Spring Breaker	BP Schuylkill	-	-	-	-	-	-	42	5	-	-
Minersville Coal Co., Inc.	DM Schuylkill	199	768	441	16	1,424 q	400	269	5	-	-
Minersville Breaker	DM Schuylkill	-	-	-	-	-	-	192	4	-	-
Montrose Coal Co.	BP Schuylkill	-	-	-	-	-	-	297	11	-	-
Holmes Slope	BP Schuylkill	-	-	-	-	-	-	69	13	-	-
Old Mill Coal Yard	DM Schuylkill	2,392	5,036	5,162	-	12,590 n	14,000	102	14	-	-
Old Mill Breaker	DM Schuylkill	-	-	-	-	-	-	27	-	-	-
Olenick Brothers Coal Co.	S Schuylkill	193	746	428	16	1,383 q	-	1,075	69	13	-
Olenick Breaker	S Schuylkill	8,678	4,616	5,000	171	18,465 r	-	4,800	102	14	-
Otto M. Coal Co.	S Schuylkill	-	-	-	-	-	-	5,875	27	-	-
No. 2 Buck Mountain Slope	BP Schuylkill	-	-	-	-	-	-	-	-	-	-
Pottsville Anthracite & Cinder Corp.	DM Schuylkill	2,392	5,036	5,162	-	12,590 n	14,000	-	-	-	-
P. A. C. Strip	DM Schuylkill	-	-	-	-	-	-	-	-	-	-
Primrose Strip	DM Schuylkill	-	-	-	-	-	-	-	-	-	-
Total		8,871	5,362	5,428	187	19,848	-	5,875	17	4	-
Princeton Coal Co., Inc.	S Schuylkill	-	-	-	-	- s	-	-	193	26	1
Princeton Strip	S Schuylkill	-	-	-	-	-	-	198	17	-	2
Reading Anthracite Co.	B Schuylkill	-	-	-	-	-	-	42	3	-	-
New St. Nicholas Breaker	B Schuylkill	-	-	-	-	9,581	-	219	47	-	6
New St. Nicholas Fine Coal Plant	W Schuylkill	9,581	-	-	-	159,479	2,018,806	288	17	-	-
Oak Hill Slush Bank No. 73	bk Schuylkill	105,150	14,178	40,151	-	61,782	1,580,972	133	17	-	-
Beechwood P-46 Strip	S Schuylkill	40,735	5,492	15,555	-	43,763	15,224	-	-	-	-
Oak Hill P-47 Strip	S Schuylkill	28,854	3,893	11,016	-	274,605 t	3,615,002	-	127	1	15
Mount Laffee P-49 Strip	S Schuylkill	184,320	23,563	66,722	-	-	-	-	-	-	-
Total		86	182	189	-	457 u	200	21	5	-	-
Rekla Coal Co.	DM Schuylkill	-	4,332	-	-	4,332 v	-	28	6	-	-
Bottom Split Slope	DM Schuylkill	-	-	-	-	-	-	21	4	-	-
Schuylkill Contracting Co.	bk Schuylkill	-	-	-	-	2,303 w	1,248	161	36	-	2
Pine Hill Slush Bank	S Schuylkill	1,036	967	300	-	48,946 w	592,487	-	46	-	2
Middle & Top Split Mammoth Strip	S Schuylkill	22,025	20,557	6,364	-	55,581	593,735	-	-	-	-
Bottom Split Mammoth Strip	S Schuylkill	23,061	25,856	6,664	-	-	-	-	-	-	-
Total		5,374	5,564	6,097	165	17,200 x	6,000	13,750	275	9	1
Seanawatis Brothers Coal Co.	DM Schuylkill	-	-	-	-	-	-	-	-	-	-
Bottom Split Slope	DM Schuylkill	-	-	-	-	-	-	-	-	-	-

		District 21 Production - net tons					Pounds			Fatal	Non-
		Shipped to market	Sold to	Used at	Total	permis-	Pounds	Days	Empl-	Fatal	fatal
		By	By	local	production:	sible ex-	dynamite	worked	oves	acci-	acci-
Operators and Collieries	County	railroad	truck	trade		plosives	used			dents	dents
South River Coal Co., Inc.	S Schuylkill	950	2,135	900	15	4,000 y	-	1,200	39	10	-
South River Strip	S Schuylkill	1,962	2,299	583	49	4,893 z	1,050	64	7	-	-
Peach Mountain Strip	S Schuylkill	2,912	4,434	1,483	64	8,893	1,050	1,200	17	-	-
Total		8,435	17,335	4,309	160	30,239 aa	-	13,400	236	8	-
Tropp, L. & J.	S Schuylkill	1,935	5,680	4,389	86	12,090 h	6,000	100	300	6	-
Peach Mountain Strip	S Schuylkill	1,702	5,000	3,830	108	10,640 h	5,000	220	13	-	1
West West Coal Co., Inc.	DM Schuylkill	-	-	-	-	-	-	28	7	-	-
No. 2 Slope	DM Schuylkill	-	-	-	-	-	-	25	2	-	-
Westwood Coal Co.	W Schuylkill	153	251	-	-	404 bb	-	66	2	-	-
Westwood Slope	W Schuylkill	118	354	204	10	686 cc	-	-	-	-	-
Winnie Land Co., Inc.	bk Schuylkill	-	-	-	-	-	-	-	-	-	-
Lytle Washery	bk Schuylkill	-	-	-	-	-	-	-	-	-	-
Wiscount Trucking Co.	bk Schuylkill	-	-	-	-	-	-	-	-	-	-
Phoenix Park Bank	bk Schuylkill	-	-	-	-	-	-	-	-	-	-
Wyda Brothers	bk Schuylkill	-	-	-	-	-	-	-	-	-	-
Silverton Bank	bk Schuylkill	-	-	-	-	-	-	-	-	-	-
District Total		298,856	274,285	158,399	2,346	733,886	4,401,637	67,575	192	561	1
DM - Deep Mined	S - Stripping	bk - Bank	B - Breaker	BP - Breaker Preparation Only	W - Washery						

- NOTE: (a) 918 tons prepared at K. & P. Breaker  
 29,962 tons prepared at DiRenzo Breaker  
 1,794 tons prepared at Minersville Breaker  
 33 tons prepared at Glenn Worth Breaker  
 (b) All coal prepared at Maple Spring Breaker  
 (c) Ceased operations in April, 1964.  
 (d) All coal prepared at DiRenzo Breaker.  
 (e) All coal prepared at Schneck's Breaker - District 25.  
 (f) All coal prepared at K. & P. Breaker - ceased operations in October, 1964.  
 (g) All coal prepared at Live Oak Breaker.  
 (h) All coal prepared at Minersville Breaker.  
 (i) 3,283 tons prepared at Maple Spring Breaker  
 2,212 tons prepared at K. & P. Breaker  
 798 tons prepared at B. & N. Breaker - District 19  
 917 tons prepared at Black Heath Breaker - District 19  
 1,680 tons prepared at Hillside Breaker - District 25  
 (j) 2,000 tons prepared at DiRenzo Breaker  
 2,120 tons prepared at Maple Spring Breaker  
 500 tons prepared at K. & P. Breaker  
 3,000 tons prepared at D. & Z. Breaker - District 24  
 3,000 tons prepared at Franklin Hydrotated Breaker - District 25  
 Ceased operations in September, 1964.  
 (k) 10,018 tons prepared at Maple Spring Breaker  
 5,009 tons prepared at K. & P. Breaker  
 10,018 tons prepared at Hillside Breaker - District 25  
 (l) All coal prepared at Kochoer Breaker - District 30.  
 Ceased operations in September, 1964.  
 (m) 7,093 tons prepared at DiRenzo Breaker  
 1,796 tons prepared at Olenick Breaker  
 2,753 tons prepared at Swatara Breaker - District 25  
 (n) All coal prepared at Old Mill Breaker.  
 (o) All coal prepared at Forestville Washery.

		District 21 Production - net tons					Pounds			Non-	
		Shipped to market	Sold to	Used at	Total	permis-	Pounds	Days	Empl-	Fatal	fatal
Operators and Collieries	County	By : railroad	By : truck	local trade	for steam and heat	production	sible ex- plosives	dynamite used	worked	eyes	acci- dents
NOTE: (p)						(y) 1,500 tons prepared at DiRenzo Breaker					
						2,500 tons prepared at Schneck's Breaker					
						856 tons prepared at Franklin Hydrotated Breaker - District 25					
(q)						(z) 2,993 tons prepared at Maple Spring Breaker					
						1,500 tons prepared at Swatara Breaker - District 25					
						400 tons prepared at Franklin Hydrotated Breaker - District 25					
(r)						(aa) 8,140 tons prepared at Live Oak Breaker					
						4,600 tons prepared at Maple Spring Breaker					
(s)						2,899 tons prepared at Black Heath Breaker - District 19					
(t)						2,200 tons prepared at D. & Z. Breaker - District 24					
(u)						12,400 tons prepared at Schneck's Breaker - District 25					
(v)						(bb) All coal prepared at Schneck's Breaker - District 25.					
(w)						Ceased operations in November, 1964.					
(x)						(cc) 590 tons prepared at Live Oak Breaker					
						96 tons prepared at Seltzer Breaker - District 26					
						11,180 tons prepared at Swatara Breaker - District 25					
						Ceased operations in July, 1964.					

		District 22 Production - net tons					Pounds			Non-	
		Shipped to market	Sold to	Used at	Total	permis-	Pounds	Days	Empl-	Fatal	fatal
Operators and Collieries	County	By : railroad	By : truck	local trade	for steam and heat	production	sible ex- plosives	dynamite used	worked	eyes	acci- dents
Buck Coal Co.											
Aristes Strip	S Columbia	-	10,361	-	-	10,361 a	-	650	303	5	-
Capparell Stripping & Construction Co.											
Locust Mountain Strip	S Schuylkill	-	8,387	-	-	8,387 b	-	85,150	54	18	-
Gilberton Coal Co.											
Bast Strip	S Schuylkill	36,448	20,654	3,645	-	60,747 c	-	1,589,431	244	46	-
Jeddo-Highland Coal Co.											
Midvalley Colliery	B Columbia	-	-	-	-	-	-	-	236	24	-
Midvalley Bank(Brook Cont. Co.)	bk Columbia	135,646	8,184	734	183	144,747	-	-	236	13	-
Total		135,646	8,184	734	183	144,747 d	-	-	-	37	-
K. & K. Coal Co.											
Morris Ridge Strip	S Columbia	-	9,817	-	-	9,817 e	-	2,000	65	13	-
Kerrigan Coal Co., Paul											
Midvalley Strip	S Columbia	-	6,500	-	-	6,500 f	-	-	117	6	-
Kerris & Helfrick, Inc.											
Centralia Strip	S Columbia	-	48,725	-	-	48,725	-	10,500	254	9	-
Morris Ridge Strip	S Columbia	-	14,208	-	-	14,208	-	10,000	162	9	-
Aristes Strip	S Columbia	-	7,985	-	-	7,985	-	-	124	5	-
Total		-	70,918	-	-	70,918 g	-	20,500	23	-	-

		District 22 Production - net tons					Pounds			Non-	
		Shipped to market	Sold to	Used at	Total	permis-	Pounds	Days	Empl-	Fatal	fatal
Operators and Collieries	County	By : railroad	By : truck	local trade	for steam and heat	production	sible ex- plosives	dynamite used	worked	eyes	acci- dents
Lehigh Valley Anthracite, Inc.											
Mammoth Colliery	B Schuylkill	-	-	-	-	-	-	-	243	89	-
Continental Mammoth Strip	S Columbia	235,005	113,962	38,000	-	386,967	-	5,748,415	263	181	-
Germantown Strip	S Columbia	27,308	13,243	4,416	-	44,967	-	181,295	139	27	-
Total		262,313	127,205	42,416	-	431,934 h	-	5,929,710	297	27	-
Lone Star Coal Co.											
Mammoth Slope	DM Columbia	-	5,914	-	-	5,914 i	1,700	-	60	14	-
M. & M. Coal Co.											
Centralia Bank	bk Columbia	-	2,560	-	-	2,560 j	-	-	80	5	-
McDonald, Joe											
Bast Strip	S Schuylkill	-	25,600	-	-	25,600 k	-	26,223	258	13	-
P. & M. Coal Co.											
Centralia & Continental Bank	bk Columbia	-	13,122	-	-	13,122 l	-	-	200	5	-
Sanchez Construction Co.											
Morris Ridge & Logan Strips	S Columbia	-	53,192	-	-	53,192 m	-	90,400	222	23	-
Skidmore Coal, Inc.											
Mammoth Slope	DM Columbia	-	4,739	-	-	4,739 n	1,600	2,000	257	8	-
District Total		434,407	367,153	46,795	183	848,538	3,300	7,746,064	222	513	-
DM - Deep Mined											
	S - Stripping	bk - Bank	B - Breaker	BP - Breaker Preparation Only	W - Washery						

NOTE: (a) All coal prepared at D. & Z. Breaker - District 24.  
 (b) All coal prepared at Rosa Breaker - District 27.  
 (c) All coal prepared at Gilberton Breaker - District 27.  
 (d) All coal prepared at Midvalley Fine Coal Plant - District 22.  
 Jeddo-Highland Coal Company (Markle) Midvalley Fine Coal Plant operated until April, 1964. Tonnage produced 38,611.  
 Jeddo-Highland Coal Co. (Pagnotti) Midvalley Fine Coal Plant took over April 1, 1964 and will continue to operate. Tonnage produced 106,136. Total for the plant for the year 144,747 tons.  
 (e) All coal prepared at Steam Coals Breaker - District 24. Morris Ridge Strip abandoned April 1, 1964.  
 (f) All coal prepared at Pine Ridge Breaker - District 27. Midvalley Strip abandoned March, 1964.  
 (g) 60,244 tons prepared at Glen Burn Breaker - District 24  
 4,731 tons prepared at Diamond Breaker - District 20  
 233 tons prepared at K. & K. Breaker - District 20  
 1,227 tons prepared at Bar Mac Breaker - District 24  
 (g) 2,434 tons prepared at Savitski Breaker - District 20  
 2,049 tons prepared at Reidinger Breaker - District 24  
 (h) All coal prepared at Mammoth Breaker - District 22.  
 (i) All coal prepared at Legal Breaker - District 16.  
 Mammoth Slope abandoned March, 1964.  
 (j) All coal prepared at Diamond Breaker - District 20.  
 Centralia Bank abandoned May 1, 1964.  
 (k) 9 tons prepared at Rosa Breaker - District 27  
 1,444 tons prepared at Swift Breaker - District 24  
 5,288 tons prepared at Seltzer Breaker - District 26  
 13,520 tons prepared at Glen Burn Breaker - District 24  
 3,967 tons prepared at Diamond Breaker - District 20  
 1,372 tons prepared at Blaschak Breaker - District 26  
 (l) 190 tons prepared at Savitski Breaker - District 20  
 2,154 tons prepared at Diamond Breaker - District 20  
 10,778 tons prepared at Split Vein Breaker - District 24

		District 22				Production - net tons				Pounds				Non-	
		Shipped to market		Sold		Used at		permie-		Pounds		Days		Fatal fatal	
		By		to		colliery		sible ex-		dynamite		worked		acci- acci-	
Operators and Collieries		By railroad		local		for steam		pives		used		eyes		dents dents	
County		truck		trade		and heat		production							
NOTE: (m)		20,685 tons prepared at Diamond Breaker - District 20				2,610 tons prepared at Swift Breaker - District 24								District 27	
		11,193 tons prepared at Legal Breaker - District 16				1,605 tons prepared at Beury & Reichwein Breaker - District 26									
		18,368 tons prepared at Savitski Breaker - District 20				370 tons prepared at Englewood Breaker - District 20									
		1,991 tons prepared at Swift Breaker - District 24				154 tons prepared at K. & K. Breaker - District 20									
		551 tons prepared at Diminick Breaker - District 24													
		404 tons prepared at Split Vein Breaker - District 24													

		District 23				Production - net tons				Pounds				Non-	
		Shipped to market		Sold		Used at		permie-		Pounds		Days		Fatal fatal	
		By		to		colliery		sible ex-		dynamite		worked		acci- acci-	
Operators and Collieries		By railroad		local		for steam		pives		used		eyes		dents dents	
County		truck		trade		and heat		production							
Al Mar Coal Co.	DM Northumberland	1,317	7,664	5,657	-	14,638 a	14,875	-	312	7	-	1			
Holmes Slope															
B. & S. Coal Co.	DM Northumberland	8,742	-	558	-	9,300 b	3,450	-	224	6	-	-			
Primrose Slope															
Chango Coal Co.	DM Northumberland	797	6,028	2,040	-	8,865 c	11,600	-	274	6	-	1			
Holmes Slope															
Cheeravnik Associates	S Northumberland	16,904	8,207	8,197	-	33,308 d	32,000	-	270	15	-	-			
Maysville No. 1 Strip															
G. M. P. Coal Co.	DM Northumberland	14,112	-	901	-	15,013 b	11,050	-	178	9	-	-			
Holmes Slope															
Pahira & Niel	S Schuylkill	176	1,330	450	-	1,956 c	-	-	159	5	-	-			
Skidmore Strip															
Reading Anthracite Co.	BP Northumberland	-	-	-	-	-	-	-	282	5	-	-			
Locust Summit Breaker															
Alaska A-62 Strip	S Northumberland	45,667	10,814	16,539	-	73,020	997,142	-	282	22	-	1			
Total		45,667	10,814	16,539	-	73,020 e	997,142	-	282	27	-	1			
Savitski Brothers	S Northumberland	-	3,798	2,532	-	6,330 f	2,200	-	98	5	-	-			
No. 10 1/2 Vein Strip															
Split Vein Coal Co.	DM Northumberland	-	672	288	-	960 g	800	-	85	5	-	-			
No. 10 Vein Rock Slope															
Susquehanna Coal Co.	DM Northumberland	14,754	7,163	7,155	-	29,072	32,425	-	236	55	-	3			
Maysville No. 2 Slope															
J. Robert Bazley	S Northumberland	-	-	-	-	-	-	-	90	10	-	-			
Total		14,754	7,163	7,155	-	29,072 d	32,425	-	65	10	-	3			
Thomas & Brother, Inc., W. H.	BP Northumberland	-	-	-	-	-	-	-	45	10	-	-			
Thomas Breaker															
Enterprise Strip	S Northumberland	1,156	8,734	2,954	-	12,844 h	40,000	-	169	11	-	-			
Total		1,156	8,734	2,954	-	12,844 i	40,000	-	21	-	-	-			

		District 23				Production - net tons				Pounds				Non-	
		Shipped to market		Sold		Used at		permie-		Pounds		Days		Fatal fatal	
		By		to		colliery		sible ex-		dynamite		worked		acci- acci-	
Operators and Collieries		By railroad		local		for steam		pives		used		eyes		dents dents	
County		truck		trade		and heat		production							
Zanella Brothers	DM Northumberland	9,208	-	588	-	9,796 b	6,850	-	286	8	-	-			
Primrose Slope															
District Total		112,833	54,410	47,859	-	215,102	1,152,392	-	216	179	-	6			

DM - Deep Mined      S - Stripping      bk - Bank      B - Breaker      BP - Breaker Preparation Only      W - Washery  
 NOTE: (a) 7,319 tons prepared at D. & Z. Breaker - District 24      (f) All coal prepared at Savitski Breaker - District 20.  
 (b) All coal prepared at Diamond Breaker - District 20      (g) All coal prepared at Split Vein Breaker - District 24.  
 (c) All coal prepared at D. & Z. Breaker - District 24      (h) Breaker destroyed by fire in February, 1964.  
 (d) All coal prepared at Glen Burn Breaker - District 24      (i) 2,748 tons prepared at Thomas Breaker  
 (e) 37,211 tons prepared at Glen Burn Breaker - District 24      \* 10,096 tons prepared at D. & Z. Breaker - District 24  
 35,809 tons prepared at St. Nicholas Breaker - District 27      \* Men loading and transporting strip mine coal for Gap Anthracite Co., contractor for Susquehanna Coal Co.

		District 24				Production - net tons				Pounds				Non-	
		Shipped to market		Sold		Used at		permie-		Pounds		Days		Fatal fatal	
		By		to		colliery		sible ex-		dynamite		worked		acci- acci-	
Operators and Collieries		By railroad		local		for steam		pives		used		eyes		dents dents	
County		truck		trade		and heat		production							
Ace Coal Sales	BP Northumberland	-	-	-	-	-	-	-	152	2	-	-			
Ace Breaker															
Bar Mac Coal Co., Inc.	BP Northumberland	-	-	-	-	-	-	-	297	8	-	-			
Bar Mac Breaker															
Blended Coal Co.	BP Northumberland	-	-	-	-	-	-	-	144	5	-	-			
Blended Breaker															
Bridy, Incorporated	S Northumberland	39	64	61	-	164 a	-	-	136	23	-	-			
No. 3 Vein Strip 31-2															
Mammoth-Holmes Strip 31-3	S Northumberland	1,045	472	438	17	1,972 b	31,000	-							
Skidmore Strip 31-4	S Northumberland	4,682	217	421	79	5,399 c	-	-							
Total		5,766	753	920	96	7,535	31,000	-							
C. & J. Coal Co.	S Northumberland	19,202	-	1,250	434	20,886 d	7,000	7,000	185	8	-	-			
No. 4 & 5 Vein Strip 5-3															
(R. B. F. Co., Contractor)															
D. & Z. Coal Co.	BP Northumberland	-	-	-	-	-	-	-	307	11	-	-			
D. & Z. Breaker															
Diminick Coal Sales	BP Northumberland	-	-	-	-	-	-	-	308	5	-	-			
Diminick Breaker															
Duke Mining Co.	DM Northumberland	661	4,900	3,283	11	8,855 e	3,425	-	262	5	-	-			
No. 4 Rock Slope															
Edgewood Contracting Co.	S Northumberland	449	1,072	1,594	-	3,115 f	3,500	2,350	339	3	-	-			
Levenson Tract Strip 17-1															
#16-18 Vein Strip 17-2	S Northumberland	487	2,481	1,318	-	4,286 g	-	-							
Total		936	3,553	2,912	-	7,401	3,500	2,350	3	-	-	-			





District 25

		Production - net tons				Pounds perm- sible ex- plosives		Pounds dynamite used	Days worked	Empl- oyes	Fatal acci- dents	Non- fatal acci- dents
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	production:					
		By railroad	By truck	to local trade	to colliery for steam and heat							
Koch's Coal Co.												
Koch's Breaker	BP Schuylkill	-	-	-	-	-	-	-	306	6	-	-
Oakwood Coal Co., Inc.												
Oakwood Breaker	BP Schuylkill	-	-	-	-	-	-	-	276	10	-	-
Penag Coal Co.												
Penag Breaker	B Schuylkill	-	-	-	-	-	-	-	252	36	-	-
Penag Colliery	DM Schuylkill	41,826	1,988	119,852	2,000	165,666	63,000	-	252	108	-	31
<b>Total</b>		<b>41,826</b>	<b>1,988</b>	<b>119,852</b>	<b>2,000</b>	<b>165,666</b>	<b>63,000</b>	<b>-</b>	<b>144</b>	<b>-</b>	<b>31</b>	
Potts Co., Allen												
Potts Breaker	BP Schuylkill	-	-	-	-	-	-	-	142	5	-	-
Renninger Coal Co., Inc.												
Buck Mountain Slope	DM Schuylkill	7,270	9,310	3,370	32	19,982	20,600	-	253	21	-	4
S. & F. Coal Co.												
Primrose Slope	DM Schuylkill	890	7,040	1,090	-	9,020	2,500	-	300	6	-	-
Schneck Coal Co., Thomas W.												
Schneck's Breaker	BP Schuylkill	-	-	-	-	-	-	-	302	10	-	-
Shally Construction Co.												
Red Mountain Strip	S Schuylkill	2,166	4,820	1,190	-	8,176	18,000	-	295	4	-	-
Swatara Coal Co.												
Swatara Breaker	BP Schuylkill	-	-	-	-	-	-	-	291	24	-	1
Tremont Anthracite Co., Inc.												
Tremont Anthracite Breaker	BP Schuylkill	-	-	-	-	-	-	-	186	6	-	-
Woratyla & Gregonis Co.												
Middle Split Slope	DM Schuylkill	12,210	8,340	1,822	76	22,448	3,550	-	241	7	-	-
<b>District Total</b>		<b>175,332</b>	<b>124,646</b>	<b>151,018</b>	<b>2,448</b>	<b>453,444</b>	<b>211,275</b>	<b>302,634</b>	<b>247</b>	<b>432</b>	<b>1</b>	<b>38</b>

DM - Deep Mined

S - Stripping

bk - Bank

B - Breaker

BP - Breaker Preparation Only

W - Washery

NOTE: (a) 2,030 tons prepared at Minersville Breaker - District 21  
 3,481 tons prepared at Donaldson Breaker  
 545 tons prepared at DiRenzo Breaker - District 21  
 150 tons prepared at Franklin Hydrotated Breaker  
 248 tons prepared at Schneck's Breaker  
 275 tons prepared at Swatara Breaker  
 110 tons prepared at Underkoffler Breaker - District 12  
 1,886 tons prepared at Maple Spring Breaker - District 21  
 90 tons prepared at Legal Breaker - District 16

(b) All coal prepared at Swatara Breaker  
 (c) All coal prepared at Tremont Anthracite Breaker.  
 (d) 27,012 tons prepared at Swatara Breaker  
 22,017 tons prepared at Underkoffler Breaker - District 12  
 (e) All coal prepared at Indian Head Breaker  
 (f) 80,220 tons prepared at Kocher Breaker - District 30  
 20,180 tons prepared at Maple Spring Breaker - District 21  
 (g) All coal prepared at Koch's Breaker.  
 (h) All coal prepared at Penag Breaker.  
 (i) All coal prepared at Franklin Hydrotated Breaker.  
 (j) All coal prepared at Maple Spring Breaker - District 21.

District 26

		Production - net tons				Pounds perm- sible ex- plosives		Pounds dynamite used	Days worked	Empl- oyes	Fatal acci- dents	Non- fatal acci- dents
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	production:					
		By railroad	By truck	to local trade	to colliery for steam and heat							
Alessi Coal Co.												
Buck Mountain Slope	DM Schuylkill	257	716	1,890	-	2,863	400	275	240	5	-	-
Aljac Coal Corp.												
No. 1 Copley Buck Slope	DM Schuylkill	-	100	100	-	200	-	-	121	10	-	1
No. 2 Copley Buck Slope	DM Schuylkill	-	110	230	-	340	450	100	45	5	-	-
<b>Total</b>		<b>-</b>	<b>210</b>	<b>330</b>	<b>-</b>	<b>540</b>	<b>450</b>	<b>100</b>	<b>15</b>	<b>-</b>	<b>1</b>	
Altamont Coal Co.												
Altamont Breaker	BP Schuylkill	-	-	-	-	-	-	-	8	3	-	-
Blaschak Coal Co.												
Blaschak Breaker	BP Schuylkill	-	-	-	-	-	-	-	207	23	-	-
Coleby Coal Co.												
Candlemas Bank	bk Schuylkill	58,549	-	-	-	58,549	-	-	225	11	-	-
Candlemas Washery	W Schuylkill	-	-	-	-	-	-	-	225	11	-	1
<b>Total</b>		<b>58,549</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>58,549</b>	<b>e</b>	<b>-</b>	<b>22</b>	<b>-</b>	<b>1</b>	
DiCasimiro Contracting Co.												
Elmwood Bank	bk Schuylkill	244	244	115	7	610	-	-	21	6	-	-
Englewood Coal Co.												
Englewood Breaker	BP Schuylkill	-	-	-	-	-	-	-	247	2	-	-
Forsum Coal Co.												
No. 6 Slope	DM Schuylkill	1,000	700	100	-	1,800	1,000	-	70	5	-	-
No. 7 Slope	DM Schuylkill	4,000	1,300	300	-	5,600	6,200	-	264	4	-	3
No. 8 Slope	DM Schuylkill	3,000	1,750	350	-	5,100	10,000	700	264	7	-	-
<b>Total</b>		<b>8,000</b>	<b>3,750</b>	<b>750</b>	<b>-</b>	<b>12,500</b>	<b>17,200</b>	<b>700</b>	<b>16</b>	<b>-</b>	<b>3</b>	
Gilberton Coal Co.												
Boston Run Bank	bk Schuylkill	3,185	1,492	299	-	4,976	-	-	23	6	-	-
Suffolk Strip	S Schuylkill	92,214	43,226	8,645	-	144,085	2,488,980	74,895	244	45	-	-
<b>Total</b>		<b>95,399</b>	<b>44,718</b>	<b>8,944</b>	<b>-</b>	<b>149,061</b>	<b>2,488,980</b>	<b>74,895</b>	<b>51</b>	<b>-</b>	<b>-</b>	
Huss, George												
Lehigh Valley Railroad Bank	bk Schuylkill	1,835	1,297	111	-	3,243	-	-	90	10	-	-
Jones Coal Co.												
Buck Mountain Slope	DM Schuylkill	62	172	456	-	690	175	75	93	5	-	-
Lehigh Valley Anthracite, Inc.												
Morea Bank	bk Schuylkill	2,465	646	539	20	3,670	-	-	12	4	-	-
Morea Breaker	BP Schuylkill	-	-	-	-	-	-	-	20	20	-	3
New Boston Strip	S Schuylkill	54,867	26,607	8,872	-	90,346	122,927	-	275	29	-	2
<b>Total</b>		<b>57,332</b>	<b>27,253</b>	<b>9,411</b>	<b>20</b>	<b>94,016</b>	<b>122,927</b>	<b>-</b>	<b>53</b>	<b>-</b>	<b>5</b>	

		District 26 Production - net tons					Pounds		Fatal		Non-	
Operators and Collieries		Shipped to market		Sold to local	Used at colliery for steam and heat	Total production	permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oves	acci- dents	fatal acci- dents
County	By railroad	By truck	trade									
Locust Valley Coal Co.												
Mahanoy City Bank	bk	2,649	4,446	6,465	100	13,660	-	-	133	10	-	-
Mount Hazle Breaker	BP	-	-	-	-	-	-	-	133	9	-	4
Total		2,649	4,446	6,465	100	13,660	-	-	133	19	-	4
Maksimik Coal Co.	bk	124	124	60	2	310	1	-	4	3	-	-
Elmwood Bank												
Mazaika Coal Co.	BP	-	-	-	-	-	-	-	303	4	-	-
Mazaika Breaker												
Pleasant Hill Coal Co.	DM	407	1,641	2,451	-	4,499	m	980	300	275	5	-
Skidmore Slope												
Reading Anthracite Co.	S	79,195	4,972	21,977	-	106,144	3,982,044	-	289	32	-	6
Knickerbocker Strip	Schuykill											
Maple Hill Cleaner Plant	B	-	-	-	-	-	-	-	62	8	-	-
St. Nicholas Central Breaker	W	-	-	-	-	-	n	-	62	103	-	10
St. Nicholas 4 & 5 Plant	bk	323,925	-	-	-	323,925	-	-	266	32	-	-
St. Nicholas Slush Bank	Schuykill								266	14	-	2
St. Nicholas Pump & Steam Plant									86	8	-	-
Total		403,120	4,972	21,977	-	430,069	o 3,982,044	-	197	197	-	18
Seltzer Coal Co.	BP	-	-	-	-	-	-	-	264	5	-	-
Seltzer Breaker												
Simoos & Co.	DM	100	420	920	-	1,440	950	500	126	6	-	-
Buck Mountain Slope	DM	98	421	929	9	1,457	350	250	58	5	-	-
Skidmore Slope		198	841	1,849	9	2,897	p 1,300	750	11	-	-	-
Total												
Skytop Coal Co.	BP	-	-	-	-	-	-	-	103	15	-	-
Skytop Breaker												
Starwood Coal Corp.	BP	-	-	-	-	-	-	-	28	8	-	-
Starwood Breaker												
Valley Coal Co.	BP	-	-	-	-	-	-	-	297	2	-	-
Valley Breaker												
Walinchus Contracting Co.	DM	97	268	710	-	1,075	r 480	75	66	9	1	-
Lykens Slope												
Wessner Coal Co.	BP	-	-	-	-	-	-	-	310	5	-	-
Wessner Breaker												
District Total		628,273	90,652	55,519	138	774,582	6,614,936	77,170	158	494	1	32
DM - Deep Mined	S - Stripping	bk - Bank	B - Breaker	BP - Breaker Preparation Only	W - Washery							

		District 26 Production - net tons					Pounds		Fatal		Non-	
Operators and Collieries		Shipped to market		Sold to local	Used at colliery for steam and heat	Total production	permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oves	acci- dents	fatal acci- dents
County	By railroad	By truck	trade									
NOTE: (a)	All coal prepared at Skytop Breaker.											
(b)	No. 2 Copley Buck Slope operated as a small mine prior to September, 1964.											
(c)	All coal prepared at Starwood Breaker.											
(d)	Altamont Breaker ceased operations in January, 1964.											
(e)	All coal prepared at Candlemas Washery.											
(f)	All coal prepared at Rosa Breaker - District 27. Started operations in October and ceased in November, 1964.											
(g)	All coal prepared at Gilberton Breaker - District 27.											
(h)	All coal prepared at Beaver Brook Breaker - District 15.											
(i)	Morea Breaker started operations in November, 1964.											
(j)	90,346 tons prepared at Mammoth Breaker - District 27											
(k)	3,670 tons prepared at Morea Breaker											
(l)	All coal prepared at Mount Hazle Breaker.											
(m)	All coal prepared at Rosa Breaker - District 27. Started operations in September and ceased in the same month. 3,307 tons prepared at Skytop Breaker 1,192 tons prepared at Englewood Breaker											
(n)	Saint Nicholas Central Breaker ceased operations on August 28, 1964.											
(o)	203,983 tons prepared at St. Nicholas Central Breaker 223,925 tons prepared at St. Nicholas 4 and 5 Plant. 2,161 tons prepared at New St. Nicholas Breaker											
(p)	2,000 tons prepared at Skytop Breaker 897 tons prepared at Blaschak Breaker											
(q)	Starwood Breaker started operations in October, 1964.											
(r)	All coal prepared at Skytop Breaker. Ceased operations in April, 1964.											

		District 27					Pounds		Fatal		Non-	
Operators and Collieries		Shipped to market		Sold to local	Used at colliery for steam and heat	Total production	permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oves	acci- dents	fatal acci- dents
County	By railroad	By truck	trade									
Anthracite Fine Coals, Inc.	DM	1,592	656	220	-	2,468	514	-	80	6	-	-
Tremont Slope	DM	1,097	541	161	-	1,799	782	-	170	11	-	-
Blue Hill Slope	S	1,566	785	233	-	2,584	-	250	70	3	-	-
Sherman Mountain Strip 73-1	S	13,241	6,613	1,953	-	21,807	-	92,190	115	8	-	-
Sherman Mountain Strip 73-2	S	17,496	8,595	2,567	-	28,658	a 1,296	92,440	28	-	-	-
Total												
B. & O. Coal Co.	DM	6,956	-	-	-	6,956	a 5,050	-	302	7	-	-
No. 1 - 2 Slopes												
Bloch Brothers Coal Co.	DM	-	1,260	1,365	-	2,625	b 4,250	-	186	6	-	1
No. 1 Slope												
Bowman & Coleman Coal Co.	DM	1,766	7,359	688	-	9,813	c 11,400	-	280	11	-	4
No. 4 Slope												
Capparell Coal Co., Inc.	BP	-	-	-	-	-	-	-	263	38	-	1
Rosa Breaker												
Capparell Strip. & Construction Co., Inc.	bk	30,781	31,000	14,431	211	76,423	-	-	262	10	-	-
Kohinoor Banks	S	46,171	46,490	21,645	315	114,621	-	1,235,000	262	82	-	10
Kohinoor Strip 19-1		76,952	77,490	36,076	526	191,044	d -	1,235,000	92	-	-	10
Total												
Deitrich & Ebert Coal Co.	DM	196	589	197	-	982	e 1,400	-	102	5	-	-
No. 2 - 3 Slopes												
Fetterolf Coal Co.	DM	883	7,826	258	-	8,967	f 4,400	-	268	9	-	-
No. 1 Slope												

		District 27 Production - net tons				Pounds				Fatal		Non-	
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyes	Fatal acci- dents	fatal acci- dents	
		By railroad	By truck	to local trade	colliery for steam and heat								production:
G. & M. Coal Co. Connerton Drift	DM Schuylkill	1,528	765	255	-	2,548 g	1,700	-	225	5	-	-	
G. & T. Coal Co. No. 2 Slope	DM Schuylkill	3,486	1,715	514	-	5,715 a	5,600	-	276	7	-	-	
Gilberton Coal Co. Gilberton Breaker	B Schuylkill	-	-	-	-	-	-	-	151	95	-	6	
Gilberton Banks	bk Schuylkill	23,156	10,855	2,171	-	36,182	-	-	137	10	-	-	
Packer No. 5 Strip 39-1	S Schuylkill	96,626	45,296	9,059	250	151,231	-	1,667,261	244	70	-	7	
Hunter Tunnel Strip 39-2	S Schuylkill	48,313	22,644	4,529	-	75,486	-	833,635	244	10	-	4	
Total		168,095	78,795	15,759	250	262,899 h	-	2,500,896		185	-	17	
H. & S. Coal Co. No. 1 Slope	DM Schuylkill	-	3,253	3,976	-	7,229 b	5,500	-	260	6	-	-	
Hatter Coal Co. No. 1 - 2 Slopes	DM Schuylkill	3,185	13,274	1,238	-	17,697 c	17,200	-	296	10	-	-	
Hegins Mining Co. Buck Mountain Slope	DM Schuylkill	4,816	8,148	1,080	-	14,044 i	14,000	-	236	23	-	1	
No. 3A Slope	DM Schuylkill	9,774	17,496	819	-	28,089 j	18,000	-	304	18	-	1	
Total		14,590	25,644	1,899	-	42,133	32,000	-		41	-	2	
Hoover & Reed Coal Co. No. 3 Slope	DM Schuylkill	2,613	1,285	386	-	4,284 a	3,200	-	264	9	-	-	
K.O.R. Coal Co. Packer No. 3	DM Schuylkill	3,237	1,619	539	-	5,395 g	1,800	2,600	170	11	-	1	
K.R.G. Coal Co. K.R.G. Slope	DM Schuylkill	-	6,804	4,536	-	11,340 k	10,000	-	299	11	-	4	
K.S.F. Coal Co. K.S.F. Slope	DM Schuylkill	-	4,141	2,209	-	6,350 l	9,600	-	183	9	-	-	
Kocher Coal Co., Leon E. Sherman No. 1 Strip 90-1	S Schuylkill	14,698	12,971	1,152	-	28,821	-	349,090	168	15	-	-	
Sherman No. 2 Strip 90-2	S Schuylkill	3,688	3,256	289	-	7,233	-	116,620	108	7	-	-	
Total		18,386	16,227	1,441	-	36,054 m	-	465,710		22	-	-	
Lehigh Valley Anthracite, Inc. Girard Strip 16-10	S Schuylkill	61,569	29,857	9,956	-	101,382	-	1,281,341	237	59	-	3	
Packer No. 3 Strip 16-11	S Schuylkill	14,227	6,899	2,300	-	23,426	-	43,133	108	28	-	2	
Total		75,796	36,756	12,256	-	124,808 q	-	1,324,474		87	-	5	
Malho Coal Co. Malho Breaker	BP Schuylkill	-	-	-	-	-	-	-	303	5	-	2	
No. 4 Slope	DM Schuylkill	677	7,064	5,805	-	13,546	18,000	-	303	14	-	1	
No. 5 Slope	DM Schuylkill	-	-	-	-	-	-	-	22	6	-	-	
Total		677	7,064	5,805	-	13,546 n	18,000	-		25	-	3	

		District 27 Production - net tons				Pounds				Fatal		Non-	
Operators and Collieries	County	Shipped to market		Sold	Used at	Total	permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- oyes	Fatal acci- dents	fatal acci- dents	
		By railroad	By truck	to local trade	colliery for steam and heat								production:
Mercury Coal Co. No. 4 Slope	DM Schuylkill	28,709	26,247	2,565	-	57,521 o	73,975	-	298	50	1	12	
Metzinger Coal Co. No. 1 Slope	DM Schuylkill	2,866	1,183	501	-	4,550 p	4,000	-	200	6	-	2	
Miller Coal Co. Miller Slope	DM Schuylkill	-	7,526	1,881	-	9,407 q	28,700	-	293	6	-	-	
Mosolino Contracting Co. Barry Washery	W Schuylkill	-	-	-	-	-	-	-	212	5	-	-	
Barry Bank	bk Schuylkill	425	9,025	50	-	9,500	-	-	212	1	-	-	
Total		425	9,025	50	-	9,500 r	-	-		6	-	-	
Neumeister Coal Co. No. 2 - 3 Slopes	DM Schuylkill	1,169	3,624	1,053	-	5,846 s	5,250	750	294	6	-	1	
Pine Ridge Mining Co. Millersville Breaker	BP Schuylkill	-	-	-	-	-	-	-	122	11	-	-	
Millersville Bank	bk Schuylkill	2,275	940	397	-	3,612	-	-	30	5	-	-	
Total		2,275	940	397	-	3,612 t	-	-		16	-	-	
Reading Anthracite Co. Buck Run P-45 Strip 23-11	S Schuylkill	130,386	13,563	43,969	-	187,918	-	3,597,177	288	28	-	1	
P-45 Cleaner Plant	B Schuylkill	-	-	-	-	-	-	-	52	8	-	-	
Total		130,386	13,563	43,969	-	187,918 u	-	3,597,177		36	-	1	
Reichwein & Beury Coal Co. Reichwein & Beury Breaker	BP Schuylkill	-	-	-	-	-	-	-	300	5	-	-	
S. & M. Coal Co. No. 1 Slope	DM Schuylkill	3,648	3,087	489	-	7,224	13,350	-	294	12	-	1	
No. 2 Slope	DM Schuylkill	1,824	1,543	245	-	3,612	6,650	-	294	5	-	-	
Total		5,472	4,630	734	-	10,836 v	20,000	-		17	-	1	
Schock, Norman C. Contractor Strip 59-2	S Schuylkill	-	188	351	-	539 w	-	-	12	2	-	-	
Schwartzlander Coal Co. No. 1 Slope	DM Schuylkill	3,741	2,039	1,015	-	6,795 x	5,500	-	257	7	-	-	
Smith Coal Co. Smith Slope	DM Schuylkill	4,614	4,072	362	-	9,048 m	15,600	-	300	7	-	-	
South River Coal Co. Strip 60-2	S Schuylkill	215	2,108	751	-	3,074 y	-	600	58	10	-	-	
Swatara Coal Co. Primrose Strip 70-1	S Schuylkill	12,125	7,284	4,840	-	24,249 z	-	49,475	242	12	-	-	
Walaitis Coal Co. Primrose Slope	DM Schuylkill	-	7,228	461	-	7,689 aa	6,650	750	293	7	-	-	

		District 27 Production - net tons					Pounds				Fatal	Non-	
Operators and Collieries		County	Shipped to market	Sold to	Used at	Total	permis-	Pounds	Days	Empl-	Fatal	fatal	
			By railroad	By truck	local trade	for steam and heat	sible ex-	dynamite	worked	eyes	accidents	accidents	
			By railroad	By truck	local trade	for steam and heat	plosives used	used					
White Birch Coal Co.		DM Schuylkill	-	6,104	11,336	-	17,440 w	7,150	23,800	204	38	-	1
Buck Mountain Slope													
District Total			587,839	396,222	162,230	776	1,147,067	299,221	9,293,672	223	855	1	66
DM - Deep Mined		S - Stripping	bk - Bank	B - Breaker	BP - Breaker Preparation Only							W - Washery	

NOTE: (a) All coal prepared at Donaldson Breaker - District 25.  
 (b) All coal prepared at Oakwood Breaker - District 25.  
 (c) All coal prepared at Superior Breaker - District 16.  
 (d) All coal prepared at Rosa Breaker - District 27.  
 (e) All coal prepared at Live Oak Breaker - District 21.  
 Mine abandoned during March, 1964.  
 (f) 7,000 tons sold direct to Merck & Co.  
 1,967 tons prepared at Live Oak Breaker - District 21.  
 (g) All coal prepared at Mammoth Breaker - District 22.  
 (h) All coal prepared at Gilberton Breaker - District 27.  
 (i) 7,022 tons prepared at Kocher Breaker - District 16  
 4,214 tons prepared at Hillside Breaker - District 25  
 1,404 tons prepared at Maple Spring Breaker - District 21  
 1,404 tons prepared at K. & P. Breaker - District 21  
 Mine abandoned during October, 1964.  
 (j) 14,049 tons prepared at Kocher Breaker - District 16  
 8,427 tons prepared at Hillside Breaker - District 25  
 2,809 tons prepared at Maple Spring Breaker - District 21  
 2,804 tons prepared at K. & P. Breaker - District 21  
 (k) All coal prepared at Hillside Breaker - District 25.  
 (l) 4,131 tons prepared at Hillside Breaker - District 25  
 2,219 tons prepared at Koch's Breaker - District 25.  
 (m) All coal prepared at Kocher Breaker - District 16.  
 (n) All coal prepared at Malho Breaker - District 27.  
 (o) 55,113 tons prepared at Kocher Breaker - District 16  
 2,408 tons prepared at Blyler Breaker - District 12  
 (p) All coal prepared at Millersville Breaker - District 27  
 (q) All coal prepared at B. & N. Breaker - District 19.  
 (r) All coal prepared at Barry Washery.  
 (s) All coal prepared at Live Oak Breaker - District 21.  
 (t) All coal prepared at Millersville Breaker - District 27  
 Breaker abandoned during June, 1964.  
 (u) 73,206 tons prepared at St. Nicholas Breaker - District 26  
 114,712 tons prepared at New St. Nicholas Breaker - District 21  
 (v) 7,224 tons prepared at Kocher Breaker - District 16  
 3,612 tons prepared at Maple Spring Breaker - District 21  
 (w) All coal prepared at Blaschak Breaker - District 26.  
 (x) 3,774 tons prepared at Swatara Breaker - District 25  
 3,021 tons prepared at Donaldson Breaker - District 25  
 (y) All coal prepared at Legal Breaker - District 16.  
 Strip abandoned during June, 1964.  
 (z) All coal prepared at Swatara Breaker - District 25.  
 (aa) All coal prepared at Franklin Hydrotated Breaker - District 25

		District 28					Pounds				Fatal	Non-	
Operators and Collieries		County	Shipped to market	Sold to	Used at	Total	permis-	Pounds	Days	Empl-	Fatal	fatal	
			By railroad	By truck	local trade	for steam and heat	sible ex-	dynamite	worked	eyes	accidents	accidents	
			By railroad	By truck	local trade	for steam and heat	plosives used	used					
Alarcon Coal Co.		DM Northumberland	4,709	7,766	426	5	12,906 a	10,000	200	305	18	-	-
No. 3 Slope													
Bednarczyk Coal Co.		DM Northumberland	717	7,731	1,144	6	9,598 b	6,000	-	288	9	4	2
No. 2 Slope													
C. & S. Coal Co.		S Northumberland	10	43	-	-	53 c	-	-	20	3	-	-
C. & S. Strip													

		District 28					Pounds				Fatal	Non-	
Operators and Collieries		County	Shipped to market	Sold to	Used at	Total	permis-	Pounds	Days	Empl-	Fatal	fatal	
			By railroad	By truck	local trade	for steam and heat	sible ex-	dynamite	worked	eyes	accidents	accidents	
			By railroad	By truck	local trade	for steam and heat	plosives used	used					
E. & T. Coal Co.		DM Northumberland	3,835	7,070	3,322	8	14,235 d	10,000	-	293	11	-	-
No. 2 Slope													
Garcia Coal Co.		DM Northumberland	3,287	6,164	867	6	10,324 e	2,300	700	288	7	-	2
No. 4 Slope													
Gowen Coal Co.		DM Northumberland	219	361	20	1	601 a f	150	-	11	5	-	-
No. 1 Slope													
H. J. & H. Coal Co.		bk Northumberland	-	3,188	-	-	3,188 g	-	-	95	2	-	-
Sunshine Bank													
H. & W. Coal Co.		DM Northumberland	181	8,177	1,893	6	10,257 h	1,950	-	296	6	-	-
No. 1 Slope													
Maurer Mine, Paul		DM Northumberland	410	2,158	164	3	2,735 i	400	-	77	7	-	-
No. 2 Vein Slope													
No. 1 Vein Coal Mine		DM Northumberland	1,729	8,014	769	6	10,518 j	7,200	100	293	6	-	-
No. 1 Vein Slope													
South Mountain Coal Co.		DM Northumberland	5,759	-	368	5	6,132 k	3,500	400	189	5	-	-
No. 2 Slope													
Sunshine Coal Co.		BP Northumberland	-	-	-	-	-	-	-	307	14	-	-
Sunshine Breaker													
West Cameron Coal Co.		DM Northumberland	273	16,788	1,891	10	18,962 l	5,800	-	294	8	-	1
No. 2 Vein Slope													
District Total			21,129	67,460	10,864	56	99,509	47,300	1,400	250	101	4	5
DM - Deep Mined		S - Stripping	bk - Bank	B - Breaker	BP - Breaker Preparation Only							W - Washery	

NOTE: (a) All coal prepared at Carbon Run Breaker - District 24.  
 (b) 8,452 tons prepared at Split Vein Breaker - District 24  
 1,400 tons prepared at Thomas Breaker - District 23  
 (c) All coal prepared at Lower Region Washery - District 24.  
 Ceased operations in January, 1964.  
 (d) 8,313 tons prepared at Bar Mac Breaker - District 24  
 858 tons prepared at Reidinger Breaker - District 24  
 5,056 tons prepared at Sunshine Breaker  
 (e) 541 tons prepared at Bar Mac Breaker - District 24  
 7,629 tons prepared at Carbon Run Breaker - District 24  
 392 tons prepared at Reidinger Breaker - District 24  
 1,756 tons prepared at Sunshine Breaker  
 (f) Ceased operations during January, 1964.  
 (g) 1,883 tons prepared at H. J. & H. Breaker - District 17  
 1,305 tons shipped direct to Pennsylvania Power & Light Co., Sunbury  
 Ceased operations during June, 1964.  
 (h) 2,589 tons prepared at Split Vein Breaker - District 24  
 7,662 tons prepared at Swift Breaker - District 24  
 (i) All coal prepared at Sunshine Breaker.  
 Ceased operations during March, 1964.  
 (j) 692 tons prepared at Bar Mac Breaker - District 24  
 9,820 tons prepared at Sunshine Breaker  
 (k) All coal prepared at Diamond Breaker - District 20.  
 Operated as a small mine during January, 1964.  
 (l) 3,034 tons prepared at D. & Z. Breaker - District 24  
 10,497 tons shipped direct to Merck & Co., Danville, Penna.  
 5,421 tons prepared at Swift Breaker - District 24





District 30  
Production - net tons

Operators and Collieries	County	Shipped to market		Sold to	Used at	Total	Pounds	Pounds	Days	Empl-	Fatal	fatal	
		By railroad	By truck	local trade	collery for steam and heat		permis- sible ex- plosives used						dynamite used
Lengel Coal Co., Warren													
No. 1 Vein Slope	DM Schuylkill	7,119	8,082	5,289	51	20,541 p	5,200	-	300	6	-	-	
Licoma Coal Co.													
No. 2 Vein Slope	DM Schuylkill	-	-	7,772	78	7,850 e	6,200	-	225	9	-	1	
Madenford Coal Co.													
No. 1 Vein Slope	DM Schuylkill	3,782	4,683	450	90	9,005 q	7,100	-	299	6	-	-	
Manbeck Dredging Co.													
Lincoln Bank	bk Schuylkill	39,800	-	-	-	39,800	-	-	162	6	-	-	
Lincoln Washery	W Schuylkill	-	-	-	-	-	-	-	162	6	-	-	
Total		39,800	-	-	-	39,800 r	-	-	162	6	-	-	
Orbit Coal Co.													
Buck Mountain Slope	DM Schuylkill	3,403	5,906	701	-	10,010 s	8,400	-	283	6	-	2	
Potts Co., Allen													
L.V. No. 2 Vein Strip 92-2	S Schuylkill	-	63	30	-	93 t	-	-	25	2	-	-	
R. & J. Coal Co.													
No. 2 Vein Slope	DM Schuylkill	5,919	1,680	12,001	-	19,600 u	7,000	-	240	7	-	-	
S. & W. Coal Co.													
Middle Split Slope	DM Schuylkill	5,249	1,729	13,981	144	21,103 v	3,400	-	296	10	-	-	
Spancake & Herring Coal Co.													
Buck Mountain Slope	DM Schuylkill	4,615	7,529	-	-	12,144 h	10,500	-	273	6	-	-	
Stahl & Shade Coal Co.													
No. 2 Vein Slope	DM Schuylkill	22,091	8,793	-	-	30,884 w	11,300	-	307	11	-	2	
Talbot Realty Co., Inc.													
East Gold Mine Strip 12-1	S Lebanon	9,511	12,574	2,915	-	25,000	-	3,000	250	4	-	-	
West Gold Mine Strip 12-2	S Lebanon	-	3,000	-	-	3,000	-	-	40	2	-	-	
Total		9,511	15,574	2,915	-	28,000 x	-	3,000	6	-	-	-	
Tessco Coal Co.													
No. 1 Vein Slope	DM Schuylkill	-	-	2,071	21	2,092 e y	1,500	-	62	7	-	1	
W. & U. Coal Co.													
No. 2 Vein Slope	DM Schuylkill	3,120	954	2,166	-	6,240 z	2,600	-	208	5	-	-	
Zimmerman Coal Co., Marlin													
Buck Mountain Slope	DM Schuylkill	7,937	12,987	76	-	21,000 aa	28,000	-	209	14	-	-	
District Total		162,633	108,753	82,791	603	354,780	152,400	4,100	248	251	1	17	

DM - Deep Mined

S - Stripping

bk - Bank

B - Breaker

BP - Breaker Preparation Only

W - Washery

- NOTE: (a) 3,008 tons prepared at Franklin Breaker - District 25  
 970 tons shipped to P. & W. V. Ramp - District 12  
 (b) 1,214 tons prepared at Schneck's Breaker - District 25  
 5,519 tons prepared at Kocher Breaker  
 1,637 tons prepared at K. & P. Breaker - District 21

- (c) 6,212 tons prepared at Donaldson Breaker - District 25  
 3,606 tons prepared at Koch Breaker - District 25  
 859 tons shipped to P. & W. V. Ramp - District 12  
 10,144 tons prepared at Pine Creek Breaker - District 12  
 660 tons prepared at Penag Breaker - District 25

District 30  
Production - net tons

Operators and Collieries	County	Shipped to market		Sold to	Used at	Total	Pounds	Pounds	Days	Empl-	Fatal	fatal
		By railroad	By truck	local trade	collery for steam and heat		permis- sible ex- plosives used					
NOTE: (c)												
130 tons prepared at Kocher Breaker - District 30												
(d) All coal prepared at Emerich Washery												
(e) All coal prepared at Underkoffler Breaker - District 12												
(f) 1,100 tons shipped to P. & W. V. Ramp - District 12												
6,095 tons prepared at Donaldson Breaker - District 25												
(g) 1,917 tons prepared at Penag Breaker - District 25												
554 tons prepared at Kocher Breaker												
2,250 tons prepared at Maple Spring Breaker - District 21												
1,300 tons prepared at Donaldson Breaker - District 25												
Wolfgang Coal Co. formerly operated this mine and produced 3,800 tons, worked 158 days with 8 employees.												
(h) All coal prepared at Schneck's Breaker - District 25.												
(i) 6,417 tons prepared at Donaldson Breaker - District 25												
1,470 tons prepared at Koch Breaker - District 25												
(j) 150 tons prepared at Legal Breaker - District 16												
4,850 tons prepared at Kocher Breaker												
(k) 3,143 tons prepared at Donaldson Breaker - District 25												
190 tons prepared at Koch Breaker - District 25												
747 tons shipped to P. & W. V. Ramp - District 12												
T. & K. Coal Co. produced 3,280 tons of this coal at East Gold Mine Strip 82-1, worked 36 days, with 6 employees.												
(l) 2,475 tons prepared at Legal Breaker - District 16												
850 tons prepared at Stonehill Breaker - District 12												
1,050 tons prepared at Underkoffler Breaker - District 12												
L. V. No. 5 Vein Slope abandoned March 15, 1964.												
(m) 645 tons prepared at Pine Ridge Breaker - District 27												
400 tons prepared at Meadowbrook Breaker - District 12												
835 tons prepared at Oakwood Breaker - District 25												
1,710 tons prepared at Kocher Breaker												
(n) 7,867 tons prepared at Legal Breaker - District 16												
1,809 tons prepared at Schneck's Breaker - District 25												
640 tons prepared at Stonehill Breaker - District 12												
4,984 tons prepared at Old Mill Breaker - District 21												
468 tons prepared at Kocher Breaker												
33 tons prepared at Koch Breaker - District 25												
(o) 9,924 tons prepared at Donaldson Breaker - District 25												
6,974 tons prepared at Penag Breaker - District 25												
720 tons shipped to P. & W. V. Ramp - District 12												
(p) 9,226 tons prepared at Kocher Breaker												
6,443 tons prepared at Oakwood Breaker - District 25												
4,239 tons prepared at Underkoffler Breaker - District 12												
223 tons prepared at Strohecker Breaker - District 12												
410 tons prepared at Penag Breaker - District 25												
(q) All coal prepared at Maple Spring Breaker - District 21.												
(r) All coal prepared at Lincoln Washery.												
(s) All coal prepared at Oakwood Breaker - District 25.												
(t) All coal prepared at Potts Breaker - District 25.												
(u) 16,395 tons prepared at Penag Breaker - District 25												
955 tons shipped to P. & W. V. Ramp - District 12												
385 tons prepared at Schneck's Breaker - District 25												
1,865 tons prepared at Donaldson Breaker - District 25												
(v) 12,346 tons prepared at Underkoffler Breaker - District 12												
6,999 tons prepared at Legal Breaker - District 16												
1,758 tons prepared at Meadowbrook Breaker - District 12												
(w) 30,579 tons prepared at Donaldson Breaker - District 25												
305 tons shipped to P. & W. V. Ramp - District 12												
(x) 5,500 tons prepared at Pine Ridge Breaker - District 27												
10,995 tons prepared at Donaldson Breaker - District 25												
11,505 tons stocked at Paul Kerrigan breaker - District 12												
(y) Idle since March, 1964												
(z) 3,280 tons prepared at Donaldson Breaker - District 25												
2,960 tons prepared at Penag Breaker - District 25												
(aa) 19,916 tons prepared at Schneck's Breaker - District 25												
1,084 tons prepared at Oakwood Breaker - District 25												
# Breaker idle entire year of 1964 - 3 maintenance men only.												

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# STRIP MINING PRODUCTION TABLE

COMMONWEALTH OF PENNSYLVANIA  
ANTHRACITE STRIP MINE PRODUCTION

YEAR—1964

Company	County	Production	Employees
<u>DISTRICT 1</u>			
C. & S. Excavating Co.	Lackawanna	16,528	13
Carbondale Coal Co.	Lackawanna	199,703	75
Cicio Coal Co.	Lackawanna	607	3
Deweese Bros., Inc.	Lackawanna	-	4
Glen Alden Corporation	Lackawanna	2,979	18
Halsey Contracting Corp.	Lackawanna	7,304	11
Kaminski Bros., Inc.	Lackawanna	1,215	7
Northwest Mining Co., Inc.	Lackawanna	18,215	15
Pasternak Bros.	Lackawanna	10,073	5
Pioneer Excavating Co.	Lackawanna	460	3
Slenska Coal Co.	Lackawanna	854	4
Turnpike Coal Co.	Lackawanna	41,406	17
District Total		299,344	175
<u>DISTRICT 3</u>			
Coalbrook Sales Co., Inc.	Lackawanna	286	5
Diamond Colliery Co.	Lackawanna	19,238	11
Kaminski Bros., Inc.	Lackawanna	3,458	5
Moffat Coal Co., Inc.	Lackawanna	57,563	38
O'Toole, John F.	Lackawanna	95	1
District Total		80,640	60
<u>DISTRICT 11</u>			
Bliss Coal Co.	Sullivan	6,356	2
Capone Coal Co.	Luzerne	43,464	24
E. & B. Coal Sales	Sullivan	3,047	3
Glen Alden Corporation	Luzerne	265,533	192
Heights Coal Co.	Luzerne	14,249	3
K. P. T. Coal Co.	Luzerne	3,744	1
Lehigh Valley Anthracite, Inc.	Luzerne	545,304	242
Meg Coal Co.	Sullivan	2,267	2
Oliver, James & Albert	Sullivan	2,398	4
Penn Can Coal Co.	Luzerne	-	2 a
Ratchford & Son	Sullivan	710	3
Rosenn, Harold	Luzerne	1,959	4
Scranton Excavating Co.	Luzerne	51,823	20
Sullivan Trail Coal Co.	Luzerne	-	170 b
Susquehanna Coal Co.	Luzerne	31,578	49
District Total		972,432	721
<u>DISTRICT 12</u>			
Bear Gap Stripping Co.	Dauphin	14,881	9
Brosious & Troup	Dauphin	7,783	2
Shade, John A.	Schuylkill	7,064	3
District Total		29,728	14
<u>DISTRICT 13</u>			
Glen Alden Corporation	Luzerne	191,750	73
District Total		191,750	73
<u>DISTRICT 14</u>			
Glen Alden Corporation	Luzerne	95,173	46
Susquehanna Coal Co.	Luzerne	21,018	9
District Total		116,191	55
<u>DISTRICT 15</u>			
Brook Contracting Corp.	Schuylkill	4,165	8
Gowen Coal Co.	Luzerne	48,879	41
Honeybrook Mines, Inc.	Schuylkill	263,920	102
Honeybrook Mines, Inc.	Luzerne	41,332	21
Huss, George	Luzerne	63,073	72
Jeddo-Highland Coal Company	Luzerne	92,132	- c
Jeddo-Highland Coal Co.	Luzerne	308,134	132
Kassa Coal Co.	Carbon	989	- d
Lehigh Valley Anthracite, Inc.	Luzerne	342,951	81

Company	County	Production	Employees
<u>DISTRICT 15 (Continued)</u>			
Lehigh Valley Anthracite, Inc.	Carbon	84,406	98
Meadow Coal & Excavating Co.	Schuylkill	2,751	6
Sandy Run Miners & Producers, Inc.	Luzerne	23,468	5
District Total		1,276,200	566
<u>DISTRICT 16</u>			
No Strip Production			
<u>DISTRICT 17</u>			
Glosek Brothers Coal Co.	Northumberland	20,345	7
Minel, Incorporated	Northumberland	23,443	9
Reading Anthracite Co.	Northumberland	246,482	41
Rosini Coal Co.	Northumberland	199,792	30
District Total		490,062	87
<u>DISTRICT 18</u>			
Canfield Construction Co.	Schuylkill	2,266	3
Greenwood Stripping Corp.	Schuylkill	507,627	197
Greenwood Stripping Corp.	Carbon	266,254	93
Harbon Coal & Contracting Co.	Schuylkill	1,994	13
Krell Coal Co., Philip	Schuylkill	3,178	3
Phoenix Contracting Co.	Schuylkill	15,110	14
Pottsville Anthracite & Cinder Corp.	Schuylkill	5,594	2
Schock, Norman C.	Schuylkill	9,434	12
South River Coal Co.	Schuylkill	534	8
District Total		811,991	345
<u>DISTRICT 19</u>			
Kerrigan Coal Co.	Schuylkill	2,500	12
Pottsville Anthracite & Cinder Corp.	Schuylkill	3,483	5
Reading Anthracite Co.	Schuylkill	248,525	105
Ridge Stripping Co., Inc.	Schuylkill	45,064	14
District Total		299,572	136
<u>DISTRICT 20</u>			
C. & J. Coal Co.	Northumberland	3,600	4
C. & S. Coal Co.	Northumberland	567	2
Conyngan Contracting Co., Inc.	Columbia	19,486	19
Howells, T. S. & Olaf, S. Strip Co.	Northumberland	-	2
Jete Coal Co.	Northumberland	14,077	6
Kerrigan Coal Co.	Columbia	1,470	2
Kerris & Helfrick, Inc.	Northumberland	11,949	18
Susquehanna Coal Co.	Columbia	43,537	10
Susquehanna Coal Co.	Northumberland	2,422	23
District Total		97,108	86
<u>DISTRICT 21</u>			
Dando & Troup Coal Co.	Schuylkill	12,685	6
Hauptly, J. & Hoke C.	Schuylkill	10,620	10
Koris Co., Inc.	Schuylkill	56,673	18
M. & S. Coal Co.	Schuylkill	1,536	3
Manue, John, Jr.	Schuylkill	2,596	3
Pottsville Anthracite & Cinder Corp.	Schuylkill	19,848	27
Princeton Coal Co., Inc.	Schuylkill	-	4 e
Reading Anthracite Co.	Schuylkill	265,024	81
Schuylkill Contracting Co.	Schuylkill	51,249	40
South River Coal Co., Inc.	Schuylkill	8,893	17
Tropp, L. & J.	Schuylkill	30,239	8
District Total		459,363	217
<u>DISTRICT 22</u>			
Buck Coal Co.	Columbia	10,361	5
Capparell Strip. & Const., Co., Inc.	Schuylkill	8,387	18
Gilberton Coal Co.	Schuylkill	60,747	46
K. & K. Coal Co.	Columbia	9,817	13 f
Kerrigan Coal Co.	Columbia	6,500	6 f
Kerris & Helfrick, Inc.	Columbia	70,918	23
Lehigh Valley Anthracite, Inc.	Columbia	431,934	208
McDonald, Joe	Schuylkill	25,600	13
Sanchez Construction Co.	Columbia	53,192	23
District Total		677,456	355

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Company	County	Production	Emploves
<u>DISTRICT 23</u>			
Chervanik Associates	Northumberland	33,308	15
Pahlra & Niel	Schuylkill	1,956	5
Reading Anthracite Co.	Northumberland	73,020	22
Savitski Brothers	Northumberland	6,330	5
Susquehanna Coal Co.	Northumberland	-	10 g
Thomas & Brothers, Inc., W. H.	Northumberland	12,844	11
District Total		127,458	68
<u>DISTRICT 24</u>			
Bridy, Incorporated	Northumberland	7,535	23
C. & J. Coal Co.	Northumberland	20,886	8
Edgewood Contracting Co.	Northumberland	7,401	3
H. & B. Coal Co.	Northumberland	4,874	2
North Line Coal Co.	Northumberland	17,900	9
District Total		58,596	45
<u>DISTRICT 25</u>			
Blue Bell Enterprises	Schuylkill	8,805	4
Gavalis Co., Joseph	Schuylkill	46,038	18
Indian Head Coal Co.	Schuylkill	2,330	4
Shally Construction Co.	Schuylkill	8,176	4
District Total		65,349	30
<u>DISTRICT 26</u>			
Gilberton Coal Co.	Schuylkill	144,085	45
Lehigh Valley Anthracite, Inc.	Schuylkill	90,346	29
Reading Anthracite Co.	Schuylkill	106,144	40
District Total		340,575	114
<u>DISTRICT 27</u>			
Anthracite Fine Coals, Inc.	Schuylkill	24,391	11
Capparell Strip. & Const. Co., Inc.	Schuylkill	114,621	82
Gilberton Coal Co.	Schuylkill	226,717	80
Kocher Coal Co., Leon E.	Schuylkill	36,054	22
Lehigh Valley Anthracite, Inc.	Schuylkill	124,808	87
Reading Anthracite Co.	Schuylkill	187,918	28
Schock, Norman C.	Schuylkill	539	2
South River Coal Co.	Schuylkill	3,074	10
Swatara Coal Co.	Schuylkill	24,249	12
District Total		742,371	334
<u>DISTRICT 28</u>			
C. & S. Coal Co.	Northumberland	53	3
District Total		53	3
<u>DISTRICT 29</u>			
Bridy, Incorporated	Northumberland	19,457	23
C. & J. Coal Co.	Northumberland	11,771	16
Folger & Chapleskie	Northumberland	-	2
Howells, T. S. & Olaf, S. Strip Co.	Northumberland	3,595	2
Thomas & Brother, Inc., W. H.	Northumberland	3,087	10
Unique Coal Co.	Northumberland	42,578	9
District Total		80,488	62
<u>DISTRICT 30</u>			
K. & T. Coal Co.	Lebanon	4,080	6
Potts Co., Allen	Schuylkill	93	2
Talbot Realty Co., Inc.	Lebanon	28,000	6
District Total		32,173	14
Division Total		7,248,900	3,560

NOTE: a - New operation - no coal produced in 1964.  
b - Maintenance Shops.  
c - Men transferred to George Huss and Jeddo-Highland Coal Co.  
d - Men transferred from Wharton Strip to Wharton Slope.  
e - Repairing and assembling equipment - no production.  
f - Ceased operations.  
g - Men loading and transporting strip mine coal for Gap Anthracite Co., contractor for Susquehanna Coal Co.

## REPORT OF OPERATIONS EMPLOYING FEWER THAN FIVE PERSONS



REPORT COVERING  
MINES EMPLOYING FEWER THAN FIVE PERSONS

		1964				
Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<u>DISTRICT 1</u>						
Bell Mountain Coal Co.	Lackawanna	60	91	2	-	-
Fern Hill Coal Co.	Wayne	320	42	3	-	-
Grzywacz Coal Co.	Lackawanna	1,167	244	3	-	-
K. & S. Coal Co.	Lackawanna	31	81	3	-	-
Lemoncelli Coal Co.	Lackawanna	210	60	3	-	-
Micklick Coal Co.	Lackawanna	680	240	2	-	-
Romike Coal Co.	Lackawanna	1,931 *	230	3	-	-
S. & M. Coal Co.	Lackawanna	275	30	3	-	-
Sturgis Coal Co.	Lackawanna	278	206	3	-	-
Virby Coal Co.	Lackawanna	1,239	235	3	-	-
District Total		6,191	145	28	-	-

Note: \* Formerly Wagner Coal Co.

DISTRICT 3

No Production

DISTRICT 11

No Production

DISTRICT 12

Acme Coal Co.	Schuylkill	400	150	4	-	-
B. & M. Coal Co.	Dauphin	545	72	3	-	-
B. & P. Coal Co.	Schuylkill	2,000	200	3	-	-
Bair Coal Co.	Dauphin	500	102	2	-	-
Bloch Brothers Coal Co.	Dauphin	621	49	3	-	-
Blyler Coal Co., Glen	Dauphin	447	197	1	-	-
C. & Y. Coal Co.	Schuylkill	1,056	60	3	-	1
F. W. D. Coal Co.	Dauphin	403	70	2	-	-
G. A. D. Coal Co.	Dauphin	3,380	210	3	-	-
Garber Coal Co.	Schuylkill	980	140	3	-	-
Gonder Coal Co.	Dauphin	832	219	3	-	-
H. & D. Coal Co.	Dauphin	3,288	267	3	-	-
H. & K. Coal Co.	Dauphin	1,200	100	4	-	-
H. S. S. Coal Co.	Schuylkill	768	130	4	-	-
Hornberger Coal Co.	Dauphin	4,175	260	4	-	-
J. & R. Coal Co.	Dauphin	56 *	49	3	-	-
J. & S. Coal Co.	Dauphin	120	50	2	-	-
K. D. S. Coal Co.	Dauphin	1,062	150	4	-	-
L. & F. Coal Co.	Dauphin	1,319	150	2	-	-
L. & M. Coal Co.	Schuylkill	2,700	100	4	-	-
Lahr Coal Co.	Dauphin	2,100	288	3	-	-
Lucas & Sons Coal Co.	Dauphin	3,900	300	4	-	-
Marchuk & Sons Coal Co.	Dauphin	2,475	300	3	-	-
Mauser Coal Co.	Dauphin	1,680	206	2	-	-
Morgan Coal Co.	Dauphin	3,440	250	4	-	-
N. N. & K. Coal Co.	Schuylkill	900	120	3	-	-
P. & C. Coal Co.	Schuylkill	1,000	200	2	-	-
P. & S. Coal Co.	Dauphin	139	20	4	-	-
R. & D. Coal Co.	Schuylkill	960	120	3	-	-
R. K. W. Coal Co.	Dauphin	1,420	95	4	-	-
Rowe Coal Co.	Dauphin	240	54	3	-	-
Salic Coal Co.	Schuylkill	957	137	3	-	-
Shomper Coal Co.						
No. 3 Vein Slope	Schuylkill	240	30	3	-	-
No. 6 Vein Slope No. 1	Schuylkill	980	100	3	-	-
No. 6 Vein Slope No. 2	Schuylkill	6,504	227	4	-	-
Total		7,724		10	-	-

Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<u>DISTRICT 12 (Continued)</u>						
Smeltz Coal Co.	Dauphin	6,238	250	4	-	-
Snyder Coal Co.	Dauphin	5,000 #	250	4	-	-
Stroup Coal Co.	Dauphin	2,500	250	3	-	-
Trio Coal Co.	Schuylkill	2,000	156	3	-	-
Underkoffler Coal Co.	Schuylkill	3,000	250	3	-	-
Wolfe Coal Co.	Dauphin	2,032	256	2	-	-
Z. & R. Coal Co.	Dauphin	4,906	258	4	-	-
District Total		78,463	165	131	-	1

Note: \* Formerly Herb Coal Co. produced 56 tons, worked 10 days, same men.  
# Formerly S. & K. Coal Co. produced 5,000 tons, worked 250 days, 4 men.

DISTRICT 13

No Production

DISTRICT 14

No Production

DISTRICT 15

B. B. & C. Coal Co.	Luzerne	1,080	110	4	-	-
Biskupic Coal Co.	Schuylkill	310	121	3	-	-
Fern Glen Mining Co.	Luzerne	3,300	184	3	-	-
Genee Mining Co.	Luzerne	1,700	185	4	-	-
Kassa Coal Co.						
Wharton Slope	Carbon	3,078 *	189	4	-	-
No. 2 Slope	Carbon	110	84	3	-	-
Total		3,188		7	-	-
Marko Coal Co.	Schuylkill	416	125	3	-	-
McAdoo Coal Mining	Carbon	892	137	4	-	-
Merola Coal Co.	Luzerne	675	97	4	-	-
S. & D. Coal Co.	Schuylkill	15	28	2	-	-
Shenandoah Coal Co.	Schuylkill	80	116	3	-	-
Wittig & Chucot Coal Co.						
No. 2 Slope	Schuylkill	550	230	3	-	-
Gamma No. 6 Slope	Schuylkill	260 #	101	3	-	-
Total		810		6	-	-
District Total		12,466	135	43	-	-

Note: \* Wharton Slope operated as a small mine prior to September, 1964, produced 3,078 tons, worked 189 days, 4 men.  
# Mine finished.

DISTRICT 16

Green Coal Co.	Schuylkill	50	30	3	-	-
H. & K. Coal Co.	Schuylkill	590 *	75	3	-	-
Harner & Chyke Coal Co.	Schuylkill	128	86	2	-	-
Savidge Coal Co.	Schuylkill	-	18	2	-	-
District Total		768	52	10	-	-

Note: \* Formerly Hoffman Coal Co. produced 250 tons, worked 30 days, same men.

DISTRICT 17

A. & K. Coal Co.	Northumberland	603	80	4	-	-
B. & E. Coal Co.	Northumberland	5,539	301	4	-	-
Banks Coal Co.	Northumberland	2,805	319	4	-	-
Bruno & Peifer Coal Co.	Northumberland	5,510	263	4	-	-
C. & M. Coal Co.	Northumberland	2,400	265	4	-	-

Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<u>DISTRICT 17 (Continued)</u>						
Capitol Coal Co.	Northumberland	131	160	3	-	-
Chestnut Coal Co.	Northumberland	2,509	258	4	-	-
Gem Coal Co.						
No. 1 Slope	Northumberland	8,331	254	4	-	-
No. 2 Slope	Northumberland	9,100	254	4	-	-
Total		17,431		8	-	-
Gudelunas Coal Co.	Northumberland	3,162	296	3	-	-
Kent Coal Co.	Northumberland	331	54	4	-	-
L. & M. Coal Co.	Northumberland	176	54	3	-	-
Mace Coal Co.						
No. 3 Slope	Northumberland	433	84	3	-	-
No. 4 Slope	Northumberland	1,235	148	3	-	-
Total		1,668		6	-	-
Machesic & Crissinger	Northumberland	5,281	249	4	-	-
Marquette Coal Co.	Northumberland	5,340	298	4	-	-
Moore Coal Co.	Northumberland	1,872	260	4	-	-
N. & L. Coal Co.	Northumberland	4,519	280	4	-	1
North Side Coal Co.	Northumberland	4,906	275	3	-	-
Pine Tree Coal Co.	Northumberland	1,320	257	4	-	-
Rackowski Coal Co.						
No. 1 Slope	Northumberland	-	40 *	)	-	-
No. 2 Slope	Northumberland	1,737	185	4)	-	-
Total		1,737		4	-	-
Rebuck Coal Co.	Northumberland	1,210	256	4	-	-
Reed Mining Co.						
No. 5 Slope	Northumberland	2,996	154	3	-	-
No. 6 Slope	Northumberland	2,164	119	3	-	-
Total		5,160		6	-	-
Rocky Mountain Coal Co.	Northumberland	5,095	225	4	-	-
Springfield Coal Co.	Northumberland	16,092	308	4	-	2
Taglieri Coal Co.						
No. 5 Slope	Northumberland	562	125	3)	-	-
No. 6 Slope	Northumberland	649	145	)	-	-
Total		1,211		3	-	-
Triple S Coal Co.	Northumberland	4,807	240	4	-	-
District Total		100,816	219	103	-	3

Notes \* Pumping only.

DISTRICT 18

Blashock Coal Co.	Schuylkill	100	20	3	-	-
Broad Mountain Coal Co.	Schuylkill	1,650	190	3	-	-
Butensky Coal Co.	Schuylkill	175	35	3	-	-
C. & J. Coal Co.	Schuylkill	1,000	285	3	-	-
Cooper Coal Co., Adam	Schuylkill	400	120	3	-	-
Frye Brothers Coal Co.	Schuylkill	1,744	162	3	-	-
Gorenty Coal Co.	Schuylkill	4,000	187	4	-	-
Kristoff Coal Co.	Schuylkill	500	100	3	-	-
Markosky & Ponzurick	Schuylkill	595	85	3	-	-
Olesky Coal Co.	Schuylkill	2,324	110	4	-	1
P. & D. Coal Co.	Schuylkill	1,100 *	220	3	-	-
R. G. & C. Coal Co.	Schuylkill	2,356	220	3	-	-
Romanosky Partnership	Schuylkill	2,702	292	3	-	-
S. & W. Coal Co.	Schuylkill	100	30	3	-	-
Skrupnek Coal Co.	Schuylkill	70	20	3	-	-
Smith Coal Co.	Schuylkill	260	92	3	-	-
Three Star Coal Co.	Schuylkill	452	160	3	-	-
Williams Partnership	Schuylkill	4,136	247	4	-	-
District Total		23,664	145	57	-	1

Notes \* Formerly D. &amp; D. Coal Co. produced 700 tons, worked 140 days, 3 men

Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<u>DISTRICT 19</u>						
A. & J. Coal Co.	Schuylkill	500	94	3	-	-
Andrews Partnership	Schuylkill	464	58	2	-	-
B. & M. Coal Co.	Schuylkill	2,705	290	4	-	-
Bear Ridge Coal Co.	Schuylkill	1,000	200	2	-	-
Bernitsky & Stenuelis Part.	Schuylkill	6,200	271	4	-	-
C. & F. Coal Co.	Schuylkill	960	212	2	-	-
C. & V. Coal Co.	Schuylkill	1,200	150	3	-	-
Cooper & Co.	Schuylkill	1,000	175	4	-	-
D. & G. Partnership	Schuylkill	100	20	2	-	-
Eagle Hill Coal Co.	Schuylkill	660	165	4	-	-
Eagle Hill Partnership	Schuylkill	450	100	4	-	-
Gormas Coal Co.	Schuylkill	440	110	2	-	-
Halaburda Coal Co.	Schuylkill	2,120	242	3	-	-
Holmes Coal Co.	Schuylkill	500	104	3	-	-
Horvath Partnership	Schuylkill	3,120	260	4	-	-
K. & L. Coal Co.	Schuylkill	1,332 *	160	4	-	-
K. & M. Coal Co.	Schuylkill	610	120	2	-	-
Keysock & Klinger Part.	Schuylkill	600	124	4	-	-
Klinger Coal Co.	Schuylkill	360	60	3	-	-
Kochmier Coal Co.	Schuylkill	475	73	3	-	-
Kost Partnership	Schuylkill	600	160	3	-	-
M. & N. Coal Co.	Schuylkill	460	115	2	-	-
Noyalas Coal Co.	Schuylkill	4,528	330	3	-	-
Orchard Coal Co.	Schuylkill	180	30	3	-	-
P. & D. Coal Co.	Schuylkill	920	115	3	-	-
P. H. & K. Partnership	Schuylkill	2,500	250	3	-	-
Palerino Coal Co.	Schuylkill	408	108	3	-	-
Partnership Coal Co.	Schuylkill	1,020	160	3	-	-
Peach Mountain Partnership	Schuylkill	560	140	3	-	-
Peck Coal Co.	Schuylkill	250	50	3	-	-
Pitel Coal Co.	Schuylkill	240	60	2	-	-
Port Coal Co.	Schuylkill	100	20	4	-	-
R. & L. Partnership	Schuylkill	360	120	2	-	-
Renninger Partnership	Schuylkill	1,600	200	4	-	-
S. K. & S. Partnership	Schuylkill	480	120	3	-	-
Silver Creek Coal Co.	Schuylkill	325	65	2	-	-
Skrobak & Gaul Coal Co.	Schuylkill	80	20	3	-	-
Three "C" Coal Co.	Schuylkill	672	84	4	-	-
Three Par Coal Co.	Schuylkill	1,408	176	4	-	-
Tracy Coal Co.	Schuylkill	1,940	240	3	-	-
V. L. & P. Coal Co.	Schuylkill	1,600	200	4	-	-
Wade Coal Co.	Schuylkill	1,080	215	3	-	-
Yeneshosky Coal Co.	Schuylkill	100	25	4	-	-
District Total		46,207	144	133	-	-

Notes: \* Formerly McElvaney Coal Co. produced 900 tons, worked 90 days, same men.

DISTRICT 20

A. T. & D. Coal Co.	Columbia	1,440	200	3	-	-
Adams Coal Co.	Northumberland	145	26	3	-	1
Amarose Bros. Coal Co.	Northumberland	1,420	265	4	-	-
B. & B. Coal Co.	Northumberland	3,900	185	4	-	-
B. & E. Coal Co.	Columbia	1,680	280	4	-	-
Ciocco Coal Co.	Columbia	1,389	155	3	-	-
D. K. & M. Coal Co.	Northumberland	6,811	281	4	-	1
D. & N. Coal Co.	Northumberland	3,120	215	3	-	-
D. R. Z. Coal Co.	Northumberland	-	87	4	-	-
F. & L. Coal Co.	Northumberland	714 a	114	3	-	-
Fago Coal Co.	Northumberland	1,290 b	191	4	-	-
Germyn Mining Co.	Columbia	7,003	300	3	-	2
H. & G. Coal Co.	Northumberland	352	44	3	-	-
J. & C. Coal Co.	Northumberland	84	20	2	-	-
K. & G. Coal Co.	Northumberland	1,344	114	3	-	-
K. & W. Coal Co.	Northumberland	120	12	3	-	-
Koschoff Coal Co.	Northumberland	2,700	180	4	-	-
Kovach Coal Co.	Northumberland	144	80	2	-	-
L. & K. Coal Co.	Columbia	6,125 c	289	4	-	-
Lykens Coal Co.	Northumberland	250	91	4	-	-

Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<u>DISTRICT 20 (Continued)</u>						
M. & H. Coal Co.	Northumberland	900	190	3	-	-
Morack Coal Co.	Columbia	1,050	105	4	-	-
N. & M. Coal Co.	Northumberland	1,687	212	3	-	-
O. & M. Coal Co.	Northumberland	2,273	208	3	-	-
Olbrish Coal Co.	Northumberland	52	23	2	-	-
Palmer Coal Co.	Northumberland	4,190	226	3	-	-
Paul Coal Co.	Northumberland	600	92	3	-	-
Peacock Coal Co.	Northumberland	816	102	3	-	-
Polcovich Coal Co.	Columbia	4,840	242	4	-	-
Poponiak Bros. Coal Co.	Northumberland	1,200	200	4	-	-
Prim Coal Co.	Columbia	5,085 d	288	4	-	-
Primrose Coal Co.	Northumberland	980	90	3	-	-
R. & L. Coal Co.	Columbia	1,800	160	4	-	-
Rust Coal Co.	Northumberland	-	27	4	-	-
S. & N. Coal Co.	Northumberland	75	31	2	-	-
Sejuitt & Wisneskie	Northumberland	1,824	280	3	-	-
Shoffler Coal Co.	Northumberland	900	210	3	-	-
Swamp Coal Co.	Northumberland	1,140	250	3	-	-
T. & J. Coal Co.	Northumberland	115	34	3	-	-
"THE" Coal Co.	Northumberland	925	100	4	-	-
Yakim Coal Co.	Northumberland	26	16	2	-	-
Yost Coal Co.	Columbia	-	41	2	-	-
Zlocki Coal Co.	Northumberland	1,500	180	3	1	-
District Total		72,009	153	139	1	4

Notes: a - Formerly K. & F. Coal Co. produced 122 tons, worked 24 days, same men.  
 b - Formerly Y. & F. Coal Co. produced 450 tons, worked 71 days, same men.  
 c - Formerly G. & M. Coal Co. produced 139 tons, worked 24 days, 3 men.  
 d - Formerly C. & G. Coal Co. produced 2,365 tons, worked 120 days, same men.

DISTRICT 21

Adams Partnership	Schuylkill	524	154	3	-	-
B. D. & H. Coal Co.	Schuylkill	636	84	3	-	-
B. H. & L. Coal Co.	Schuylkill	1,080	200	4	-	-
B. Z. & D. Coal Co.	Schuylkill	1,200	120	4	-	-
Big Hill Coal Co.	Schuylkill	360	60	3	-	-
Buck Coal Coal Co.	Schuylkill	2,750	275	3	-	-
C. F. & P. Coal Co.	Schuylkill	320	40	3	-	-
Cherkis Partnership	Schuylkill	2,800	260	3	-	-
D. & K. Coal Co.	Schuylkill	604	186	2	-	-
D. & P. Coal Co.						
No. 2 Middle Split Slope	Schuylkill	850	80	3	-	-
Buck Slope	Schuylkill	200	30	3	-	-
Total		1,050	6	6	-	-
Diamond Coal Co.	Schuylkill	1,885	82	3	-	-
F. & W. Coal Co.	Schuylkill	1,676	165	3	-	-
F. & W. Coal Co.	Schuylkill	85	16	2	-	-
G. & B. Coal Co.	Schuylkill	300	150	2	-	-
Gordon Mountain Coal Co.	Schuylkill	600	60	2	-	-
H. & G. Coal Co.	Schuylkill	700	175	3	-	-
Joseph Mining Co.	Schuylkill	168	36	3	-	-
K. & H. Coal Co.	Schuylkill	650 a	134	3	-	-
K. & M. Coal Co.	Schuylkill	2,880	240	3	-	-
Kopentz Coal Co.						
No. 3 Slope	Schuylkill	896	112	4	-	1
Runn Slope	Schuylkill	42 b	34	2	-	-
Total		938	6	6	-	1
Kulp Coal Co., Paul	Schuylkill	785	135	4	-	1
M. & W. Coal Co.	Schuylkill	960	120	3	-	-
M. & W. Coal Co.	Schuylkill	815 c	104	3	-	-
Matz Coal Co.	Schuylkill	485	97	4	-	-
Matz Brothers Coal Co.	Schuylkill	150	80	2	-	-
Minchoff Coal Co.	Schuylkill	365	80	4	1	-
Montrose Coal Co.	Schuylkill	140	40	3	-	-
O. & W. Coal Co.	Schuylkill	500	210	3	-	-
Olenick Coal Co.	Schuylkill	1,780	120	3	-	-
P. & P. Coal Co.	Schuylkill	436	109	2	-	-
Rekla Coal Co.	Schuylkill	5,400	257	4	-	-

Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<u>DISTRICT 21 (Continued)</u>						
Rickert Coal Co.	Schuylkill	480	240	3	-	-
Rickert Brothers Coal Co.	Schuylkill	100	15	3	-	-
Runn Coal Co.	Schuylkill	360	48	4	-	-
S. & B. Coal Co.	Schuylkill	780	120	3	-	-
S. & M. Coal Co.	Schuylkill	120	25	2	-	-
Salem Coal Co.	Schuylkill	20	45	2	-	-
Scheib Coal Co.						
Scheib Slope	Schuylkill	4,424	180	4	-	-
No. 2 Scheib Slope	Schuylkill	2,336	80	4	-	-
Total		6,760	8	8	-	-
Siminitus Coal Co.	Schuylkill	1,096	121	4	-	-
Sorokach Coal Co.	Schuylkill	810	110	4	-	-
Studlack Partnership	Schuylkill	1,288	200	3	-	-
Tomalavage Coal Co.	Schuylkill	100	60	3	-	-
Williams Coal Co., Elmer	Schuylkill	92	22	3	-	-
Woodside Mining Co.	Schuylkill	1,100	131	2	-	-
Zukowski Coal Co.	Schuylkill	20	20	2	-	-
District Total		46,148	118	145	1	2

Notes: a - Formerly L. & P. Coal Co. produced 450 tons, worked 90 days, same men.  
 b - Runn Slope formerly operated by B. & F. Coal Co. worked 20 days, same men.  
 c - Formerly Donofrio Coal Co. produced 465 tons, worked 80 days, same men

DISTRICT 22

A. & M. Coal Co.	Schuylkill	600	100	4	-	-
A. & S. Coal Co.	Columbia	810	96	3	-	-
Abrasonis Coal Co.	Columbia	1,800	200	3	-	-
B. & D. Coal Co.	Columbia	1,755	195	3	-	-
B. & J. Coal Co.	Columbia	288	50	2	-	-
Charnick Coal Co.	Schuylkill	396	26	4	-	-
D. & H. Coal Co.	Columbia	1,075	215	4	-	-
Dyszal Coal Co.	Schuylkill	1,934	300	3	-	-
Gaughan Coal Co.	Columbia	2,220	295	4	-	-
H. & L. Coal Co.	Columbia	275	60	4	-	-
J. & D. Coal Co.	Schuylkill	3,450	285	4	-	-
Kessler Coal Co.	Columbia	927	127	3	-	-
Low Ash Coal Co.	Columbia	70	20	4	-	-
M. & T. Coal Co.	Columbia	1,265 *	295	4	-	-
Mars Ridge Coal Co.	Columbia	-	20	3	-	-
Miller Coal Co.	Columbia	3,237	166	3	-	-
Morack Coal Co.	Columbia	840	84	4	-	-
Polcovich Coal Co.	Columbia	20	20	3	-	-
R. & W. Coal Co.	Columbia	1,200	150	4	-	-
Red Coal Co., The	Schuylkill	50	10	3	-	-
S. & M. Coal Co.	Schuylkill	237	52	3	-	-
Split Vein Coal Co.	Columbia	5,400	238	4	-	1
Vinskis & Hendrick	Schuylkill	100	100	3	-	-
Zukus Coal Co.	Columbia	50	10	2	-	-
District Total		27,999	136	81	-	1

Notes: \* Formerly M. Q. & U. Coal Co. produced 525 tons, worked 115 days, same men.

DISTRICT 23

A. & K. Coal Co.	Northumberland	-	32	3	-	-
A. & T. Coal Co.	Northumberland	681	127	3	-	-
B. & B. Coal Co.	Northumberland	3,540	254	4	-	-
B. & D. Coal Co.	Northumberland	-	25	2	-	-
B. & M. Coal Co.	Northumberland	2,600	290	3	-	-
B. N. & S. Coal Co.	Northumberland	700	118	3	-	-
Bojack Coal Co.	Northumberland	850	150	3	-	-
Borkowski Coal Co.	Northumberland	200	120	2	-	-
Brassington Coal Co.	Northumberland	50	20	3	-	-
C. & D. Coal Co.	Northumberland	510	200	2	-	-
Chango Coal Co.	Northumberland	2,385	144	3	-	-
D. & G. Coal Co.	Northumberland	3,014	170	3	-	-

Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<b>DISTRICT 23 (Continued)</b>						
Else Coal Co.	Northumberland	1,206	134	2	-	-
H. K. & K. Coal Co.	Northumberland	1,864	144	4	-	-
K. & K. Coal Co.	Northumberland	1,957	216	3	-	-
K. & L. Coal Co.	Northumberland	280	64	3	-	-
K. & S. Coal Co.	Northumberland	-	150	3	-	-
Kopitsky Partnership	Northumberland	280	56	3	-	-
Kozar Coal Co.	Northumberland	2,500	300	3	-	-
L. & L. Coal Co.	Northumberland	1,500	250	3	-	-
Lone Pine Coal Co.	Northumberland	4,480	263	3	-	-
Maple Coal Co.	Northumberland	38	30	2	-	-
Mattis Coal Co.	Northumberland	60	16	3	-	-
Mayton Brothers Coal Co.	Northumberland	3,445	235	4	-	-
P. & R. Coal Co.	Northumberland	2,150	220	4	-	-
R. O. & Y. Coal Co.	Northumberland	-	20	3	-	-
Ramph Brothers Coal Co.	Northumberland	2,600	175	3	-	-
Redd, Jr. & Co., Joseph	Northumberland	2,440	300	3	-	-
S. & J. Coal Co.	Northumberland	-	15	2	-	-
S. M. T. Coal Co.	Northumberland	681	120	4	-	-
Sanders Coal Co.	Northumberland	3,405	264	4	-	-
Snyder Coal Co.	Northumberland	620	120	4	-	-
White & Co.	Northumberland	60	98	3	-	-
Witkoski Coal Co.	Northumberland	1,400	240	4	-	-
Yanik Brothers	Northumberland	300	159	3	-	-
Zegarski Coal Co.	Northumberland	1,560	260	3	-	-
District Total		47,356	160	110	-	-

**DISTRICT 24**

B. & L. Coal Co.	Northumberland	270	60	2	-	-
B. & S. Coal Co.	Northumberland	65	18	3	-	-
Czech Brothers Coal Co.	Northumberland	1,500	160	4	-	-
D. & D. Coal Co.	Northumberland	250	75	3	-	-
Dean Coal Co.	Northumberland	400	40	4	-	-
Dugan Coal Co.	Northumberland	6,496	250	4	-	-
Duke Mining Co.	Northumberland	2,160	192	4	-	1
Eldy Coal Co.	Northumberland	5,400	220	4	-	-
Four Partners	Northumberland	4,625	242	4	-	-
Grego & Deitz Slope No.2	Northumberland	3,600	240	3	-	-
Gripp Coal Co.	Northumberland	2,997	158	4	-	-
K. & L. Coal Co.	Northumberland	410	70	3	-	-
Kilo Brothers	Northumberland	475	176	2	-	-
L. & G. Coal Co.	Northumberland	67	12	3	-	-
Lytle Brothers Part.	Northumberland	10	15	4	-	-
P. & S. Coal Co.	Northumberland	1,560	156	3	-	-
R-B Mining Co.	Northumberland	136	115	2	-	-
Radziewicz Brothers						
No. 8 Vein Slope West	Northumberland	1,602	189	4	-	-
No. 8 Vein Slope East	Northumberland	127	24		-	-
Total		1,729		4	-	-
RAG Coal Co.						
No. 20 Vein Slope	Northumberland	359	60	4	-	-
Proving Shaft	Northumberland	-	25		-	-
No. 17 Vein Slope	Northumberland	10	90		-	-
Total		369		4	-	-
Reidinger Coal Mining Co.	Northumberland	1,964	180	4	-	1
Thin Vein Coal Co.	Northumberland	300	40	3	-	-
Valley Coal Co.						
No. 9 Vein Split N.D.	Northumberland	450	75	4	-	-
No. 9 Vein Split S.D.	Northumberland	250	100		-	-
No. 9 $\frac{1}{2}$ Vein N.D. East	Northumberland	150	60		-	-
No. 9 $\frac{1}{2}$ Vein N.D. West	Northumberland	100	50		-	-
Total		950		4	-	-
District Total		35,733	147	75	-	2

Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<b>DISTRICT 25</b>						
Batz Coal Co.	Schuylkill	188	36	4	-	-
Falls Coal Co.	Schuylkill	1,563	245	3	-	-
Fasnacht Co., Noel						
No. 4 Vein Slope	Schuylkill	3,550	210	4	-	-
Diamond Vein Drift	Schuylkill	55	18	3	-	-
Total		3,605		7	-	-
Faust Coal Co., Charles						
No. 1 Slope	Schuylkill	5,940	297	4	-	-
No. 2 Slope	Schuylkill	980	92	3	-	-
Total		6,920		7	-	-
H. S. F. Coal Co.	Schuylkill	868	114	3	-	-
Herring, Richard & Harvey	Schuylkill	1,246	98	3	-	-
Huth Coal Co.	Schuylkill	1,000	290	3	-	-
Koons & Reber Coal Co.						
Orchard Slope	Schuylkill	714	86	3	-	-
Buck Mountain Drift	Schuylkill	1,255	160	3	-	-
Total		1,969		6	-	-
Koperna Coal Co.	Schuylkill	7,756	223	4	-	-
Koperna Coal Co. No. 2	Schuylkill	642	78	4	-	-
L. S. F. Coal Co.	Schuylkill	916	84	3	-	-
Mervine & Sabatine Coal	Schuylkill	10,500	280	4	-	-
Mountain Top Coal Co.	Schuylkill	2,764	255	4	-	-
S. S. M. Coal Co.	Schuylkill	6,357	300	4	-	-
Sharp Mountain Coal Co.	Schuylkill	2,600	200	3	-	-
Viola Coal Co., Victor	Schuylkill	7,400	286	4	-	-
Wehrauch's, Frank	Schuylkill	1,285	230	1	-	-
District Total		57,579	183	67	-	-

**DISTRICT 26**

B. & G. Coal Co.	Schuylkill	200	90	3	-	-
B. & N. Coal Co.	Schuylkill	425	100	3	-	-
Bologa & Co.	Schuylkill	209	75	3	-	-
Boner & Webb Coal Co.	Schuylkill	100	40	3	-	-
Brokenshire & Co.	Schuylkill	2,529	263	4	-	-
Byer Coal Co.	Schuylkill	110	35	3	-	-
D. & S. Coal Co.	Schuylkill	85	31	3	-	-
Fegley Bros. Coal Co.	Schuylkill	300	130	3	-	-
Forgotsch Brothers	Schuylkill	1,724	289	4	-	-
Hutira & Co.	Schuylkill	430	145	3	-	-
Jones Coal Co.						
Buck Mountain Slope	Schuylkill	1,148	140	4	-	-
No. 1 Tunnel	Schuylkill	470	100	4	-	-
Total		1,618		8	-	-
Kluchinsky & Co.	Schuylkill	230	110	3	-	-
Matrishin Coal Co.	Schuylkill	977	206	3	-	-
Moran & Co.	Schuylkill	1,869	218	3	-	-
Olman Coal Co.	Schuylkill	904	257	3	-	-
S. & S. Coal Co.	Schuylkill	89	96	3	-	-
S. S. & H. Coal Co.	Schuylkill	40	15	3	-	-
Simoes & Co.	Schuylkill	1,720	145	4	-	-
Sluck Coal Co.	Schuylkill	650	102	4	-	-
Souchack Coal Co.	Schuylkill	465	111	3	-	-
Styka Brothers Coal Co.						
Buck Mountain Slope	Schuylkill	1,100	174	3	-	-
7 Ft. Slope	Schuylkill	1,084	121	3	-	-
Total		2,184		6	-	-
Trenton Coal Co.	Schuylkill	952 a	233	2	-	-
Wadleigh Coal Co.	Schuylkill	3,836	258	4	-	-
Whytko Coal Co.	Schuylkill	107 b	127	3	-	-
District Total		21,753	142	84	-	-

Notes: a - Formerly Lazo Coal Co. produced 525 tons, worked 107 days, same men.  
 b - Formerly Aljac Coal Co. no production, worked 49 days, 4 men.

Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<u>DISTRICT 27</u>						
A. & M. Coal Co.	Schuylkill	601	90	3	-	-
Ashland Community Enter.	Schuylkill	-	274	4	-	-
B. & N. Coal Co.	Schuylkill	3,060	203	4	-	-
Colket Coal Co.	Schuylkill	5,000	240	4	-	-
Crossroads Coal Co.	Schuylkill	-	117	4	-	-
Dembinski Coal Co.	Schuylkill	1,576	197	3	-	-
Fay-Mar Coal Co.	Schuylkill	5,485	278	4	-	-
H. & M. Coal Co.	Schuylkill	4,972	286	4	-	-
Haas Coal Co.	Schuylkill	7,500	250	4	-	-
HOB Coal Co.	Schuylkill	40	100	3	-	-
K. & S. Coal Co.	Schuylkill	2,500	250	3	-	-
Klinger Coal Co.	Schuylkill	6,392	288	3	-	-
Knorr Coal Co.	Schuylkill	2,000	220	4	-	-
Koperna Coal Co.	Schuylkill	3,500	250	4	-	-
Little Mine Coal Co.	Schuylkill	345	69	4	-	-
Makarczyk Brothers Part.	Schuylkill	1,980	198	4	-	-
Mickey Coal Co.	Schuylkill	2,749	219	4	-	3
Sapphire Coal Co.	Schuylkill	-	21	2	-	-
Tokarczek Coal Co.	Schuylkill	2,252	285	3	-	1
Watcher Coal Co.	Schuylkill	800	100	3	-	-
District Total		50,752	203	71	-	4

DISTRICT 28

B. & B. Coal Co.	Northumberland	6,250	250	4	-	1
B. & C. Coal Co.	Northumberland	30	10	3	-	-
Bell Coal Co.	Northumberland	4,476	252	4	-	-
C. & M. Coal Co.	Northumberland	4,105	290	4	-	-
Collier Coal Co.	Northumberland	31	81	4	-	-
D. & J. Coal Co.	Northumberland	7,639	311	4	-	-
Edgewood Coal Co.	Northumberland	4,000 a	85	4	-	-
Fetterolf Coal Co.	Northumberland	7,146	282	4	-	-
Foura Coal Co.	Northumberland	10,100	260	4	-	-
Gripp Coal Co.	Northumberland	700	70	4	-	-
Gusick Coal Co.	Northumberland	1,080	160	3	-	-
Harry's Coal Co.						
No. 2 Slope	Northumberland	520	65	)	-	-
No. 3 Slope	Northumberland	1,553	141	4	-	-
Total		2,073	4	-	-	-
K. W. & J. Coal Co.	Northumberland	3,973	246	4	-	-
Kerstetter Coal Co.	Northumberland	3,120	208	4	-	-
Kulpmont Coal Co.						
No. 1 Vein Slope	Northumberland	1,347	179	)	-	-
No. 2 Vein Slope	Northumberland	997	43	4)	-	-
Total		2,344	4	-	-	-
L. & L. Coal Co.	Northumberland	3,792	216	3	-	-
L. & S. Coal Co.	Northumberland	2,800	168	4	-	-
Lotus Coal Co.	Northumberland	2,665	250	3	-	-
M. G. & S. Coal Co.						
No. 3 Vein Slope	Northumberland	90	22	)	-	-
No. 4 Vein Slope	Northumberland	4,044	236	4)	-	-
Total		4,134	4	-	-	-
Moore Coal Co.	Northumberland	2,310 b	86	4	-	-
S. & M. Coal Co.	Northumberland	4,087	259	3	-	-
South Mountain Coal Co.						
No. 1 Vein Slope	Northumberland	- c	10	)	-	-
No. 2 Vein Slope	Northumberland	1,123	26	4)	-	-
Total		1,123	4	-	-	-
Split Vein Coal Co.	Northumberland	1,015	98	3	-	-
Stellar Brothers Coal Co.						
No. 1 Slope	Northumberland	2,020	108	4	-	-
No. 2 Slope	Northumberland	59	5	4	-	-
Total		2,079	8	-	-	-
Sun Coal Co.	Northumberland	4,800	240	4	-	-
Twin Oaks Coal Co.	Northumberland	2,320	144	3	-	-
W. & S. Coal Co.	Northumberland	7,200	240	4	-	-
District Total		95,392	182	105	-	1

Note: a - Formerly Gowen Coal Co. produced 2,000 tons, worked 43 days, same men.  
 b - Formerly Raymond Maurer Mine produced 700 tons, worked 30 days, same men.  
 c - Opening new slope - no production.

Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<u>DISTRICT 29</u>						
A-B Coal Mine	Northumberland	3,480	290	4	-	-
A. & W. Coal Co.	Northumberland	2,879	280	3	-	-
Al-Don Coal Co.	Northumberland	727	58	3	-	-
B. & L. Coal Co.	Northumberland	998	83	3	-	-
B. K. P. Coal Co.	Northumberland	2,774	289	3	-	-
B-Y Coal Co.	Northumberland	450	75	2	-	-
Blue Coal	Northumberland	2,312	256	3	-	-
Bridy Coal Slope	Northumberland	3,100	260	4	-	-
C. & M. Coal Co.	Northumberland	560	84	3	-	-
Campbell & Koack	Northumberland	242	40	2	-	-
Char-Will Coal Co.	Northumberland	600	96	3	-	-
Char-Will Coal Co. No. 2	Northumberland	-	89	3	-	-
D. D. & Z. Coal Co.	Northumberland	2,400	235	3	-	-
Derck & Wagner Coal Co.	Northumberland	390	72	2	-	-
Eureka Coal Co.	Northumberland	3,800	275	4	-	-
F. & L. Coal Co.	Northumberland	138	26	3	-	-
G. & B. Coal Co.	Northumberland	980	120	3	-	-
G. & L. Coal Co.	Northumberland	270	40	2	-	-
G. & T. Coal Co.	Northumberland	1,260	110	3	-	-
Garfield Coal Co.	Northumberland	895	197	2	-	-
Goat Hill Coal Co.	Northumberland	1,700	194	3	-	-
H. & S. Coal Co.	Northumberland	1,782	297	2	-	-
K-H-K Coal Co.	Northumberland	3,568	232	3	-	-
K. & Z. Coal Co.	Northumberland	2,800	241	3	-	-
Kaletka Coal Co.	Northumberland	3,792	207	3	-	-
Knapik Coal Co.	Northumberland	1,565	184	3	-	-
L. & D. Coal Co.	Northumberland	425	68	2	-	-
M. & P. Coal Co.	Northumberland	1,180	130	2	-	-
Mattis Coal Co.	Northumberland	1,730	120	3	-	-
McBab Coal Co.	Northumberland	2,537	270	2	-	-
Miller Coal Co.	Northumberland	1,876	92	3	-	-
Motto Partnership	Northumberland	2,800	280	2	-	-
N. & S. Coal Co.	Northumberland	455	110	2	-	-
Nahodil Coal Co.	Northumberland	400	152	2	-	-
Nork Coal Co.	Northumberland	1,840	90	4	-	-
O. & Y. Coal Co.	Northumberland	860	120	2	-	-
P. & M. Coal Co.	Northumberland	860	150	2	-	-
P-M-P Coal Co.	Northumberland	3,241	249	3	-	-
Petrovich Coal Co.	Northumberland	3,240	284	3	-	-
Pine Line Coal Co.	Northumberland	2,950	180	3	-	-
Pleasant View Coal Co.	Northumberland	2,680	126	3	-	-
Power Coal Co.	Northumberland	56	12	4	-	-
Primrose Coal Co.	Northumberland	420	121	3	-	-
Primrose Coal Co.	Northumberland	670	109	3	-	-
R. & J. Coal Co.	Northumberland	186	84	3	-	-
Rocky Side Coal Co.	Northumberland	1,996	183	3	-	-
S. & H. Coal Co.	Northumberland	4,825	312	4	-	-
Shady Side Coal Co.	Northumberland	3,720	208	4	-	-
Shervinski & Jennis	Northumberland	1,825	180	4	-	-
Soroka Coal Co.	Northumberland	2,589	249	3	-	-
Star Coal Co.	Northumberland	1,992	128	3	-	-
Stark Coal Co.	Northumberland	1,671	160	3	-	-
Sunnyside Coal Co.	Northumberland	163	21	2	-	-
T. & G. Coal Co.	Northumberland	890	150	2	-	-
T. & H. Coal Co.	Northumberland	326	85	2	-	-
Trevorton Coal Co.	Northumberland	3,580	192	4	-	1
W. & S. Coal Co.	Northumberland	1,430	188	4	-	-
W. & W. Coal Co.	Northumberland	2,960	260	3	-	-
Warren Coal Co.	Northumberland	1,796	189	3	-	-
West Point Coal Co.	Northumberland	3,800	250	3	-	-
Windsor Coal Co.	Northumberland	740	80	3	-	-
Y. & O. Coal Co.	Northumberland	560	90	2	-	-
Y. & R. Coal Co.	Northumberland	540	63	2	-	-
Yuhas Coal Co.						
No. 1 Slope	Northumberland	1,650	200	3	-	-
No. 2 Slope	Northumberland	900	88	2	-	-
Total		2,550	5	-	-	-
District Total		109,821	165	185	-	1



Company	County	Production	Days Worked	Employees	Fatal Accidents	Non-fatal Accidents
<u>DISTRICT 30</u>						
B. & H. Coal Co.	Schuylkill	750	150	3	-	-
B. & K. Coal Co.	Schuylkill	780	52	3	-	-
B. & K. Coal Co.	Schuylkill	175	73	2	-	-
B. & M. Coal Co.	Schuylkill	1,450	145	3	-	1
B. R. T. Coal Co.	Schuylkill	- a	45	3	-	-
Bonzwitz Coal Co.	Schuylkill	1,064	124	3	-	-
H. & H. Coal Co.	Schuylkill	3,030 b	152	4	-	-
J. & S. Coal Co.	Schuylkill	590	62	3	-	-
K. & B. Coal Co.	Schuylkill	25	125	3	-	-
K. B. M. K. Coal Co.	Schuylkill	1,507	203	4	-	-
K. & N. Coal Co.	Schuylkill	7,260	280	3	-	-
Kintzel Brothers Coal Co.	Schuylkill	2,841	284	4	-	-
Krammes Coal Co., Frank	Schuylkill	1,446 c	165	3	-	-
Kroh Coal Co.	Schuylkill	860	120	4	-	-
Last Chance Coal Co.	Dauphin	500	38	4	-	-
Lehman Coal Co.	Schuylkill	2,050	260	4	-	-
M. B. G. Coal Co.	Schuylkill	3,120	260	3	-	-
R. & F. Coal Co.	Schuylkill	200	120	3	-	-
R. & Z. Coal Co.	Schuylkill	120	40	3	-	1
Renninger & Partners	Schuylkill	1,032	170	3	-	-
S. S. S. B. Coal Co.	Schuylkill	150 d	70	3	-	-
Scheib & Shade Coal Co.	Schuylkill	128	62	3	-	-
Schell Brothers Coal Co.	Schuylkill	3,209	208	3	-	-
Shade Coal Co.	Schuylkill	685 e	91	3	-	-
Stump Coal Co., F. B.	Schuylkill	2,619	283	3	-	-
Swartzlander & Sons Coal	Schuylkill	680	87	3	-	-
Witmer & Herb Coal Co.	Schuylkill	85	35	3	-	-
Z. & B. Coal Co.	Schuylkill	2,050 f	204	3	-	-
District Total		38,406	143	89	-	2
Division Total		871,523	158	1,656	2	22

Note: a - No production - retimbering slope.  
 b - Formerly Norman Etzweiler Coal Co. produced 1,740 tons, worked 87 days, same men.  
 c - Formerly K. & Z. Coal Co. produced 1,446 tons, worked 165 days, same men.  
 d - Formerly W. & D. Coal Co. produced 70 tons, worked 40 days, same men.  
 e - Formerly M. M. S. Coal Co. produced 225 tons, worked 45 days, 4 men.  
 f - Formerly Herring & Zimmerman produced 850 tons, worked 84 days, same men.

# REPORT OF OIL AND GAS DIVISION

# DIRECTORY

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF MINES AND MINERAL INDUSTRIES  
ANTHRACITE DIVISION

EXECUTIVE OFFICE

			Area Code	
H. B. Charnbury Secretary of Mines and Mineral Industries	400 North Third Street	Harrisburg	717	787-4686 787-4687 787-4688 237-4726
Home:	222 East Irvin Avenue	State College	814	
Gordon E. Smith Deputy Secretary of Mines and Mineral Industries	Motor Contracts Corp. Bldg. Room 2A - 108 South Claude A. Lord Boulevard 161 Avenue "C"	Pottsville	717	622-1110
Home:		Schuylkill Haven	717	385-0023
Mrs. M. B. Gutshall Administrative Officer	400 North Third Street	Harrisburg	717	787-4686 787-4687 787-4688 737-9895
Home:	2958 Lincoln Street	Camp Hill	717	
Leon Ehrlich Deputy Attorney General	400 North Third Street	Harrisburg	717	787-5054
Office:	146 North Sixth Street	Reading	215	376-1525
Home:	1429 Dauphin Avenue	Wyomissing	215	376-5829
Wilkes-Barre Office	90 East Union Street	Wilkes-Barre	717	822-9150
<u>MINING ENGINEERS</u>				
Ralph A. Lambert Chief Mining Engineer	400 North Third Street	Harrisburg	717	787-4805
Home:	3330 Highland Street	Allentown	215	395-4585
Rodger J. Howell	417 West Atherton Avenue	Taylor	717	562-1160
William Taby	204 North Rock Street	Shamokin	717	648-2436
Harry A. Voigt	49 South Atherton Avenue	Kingston	717	287-4906
Norman Becker	95 West Vaughn Street	Kingston	717	287-4755
John Prosser	110 East Sunbury Street	Shamokin	717	648-6974
Michael Yaccino	1042 North James Street	Hazleton	717	455-7033
Harrison D. Harper	158 South Balliet Street	Frackville	717	874-0164
<u>RESEARCH AND DEVELOPMENT</u>				
David R. Maneval Director	400 North Third Street	Harrisburg	717	787-5104
Home:	1867 North Oak Lane	State College	814	238-0977
<u>PUBLIC RELATIONS</u>				
William Baker	400 North Third Street	Harrisburg	717	787-4617
Home:	221 North Dithridge Street	Pittsburgh	412	682-9653
<u>COAL MINE SUBSIDENCE INSURANCE FUND</u>				
Chester Gormley Director	216 Pine Street	Harrisburg	717	787-5565 787-4761 564-2777
Home:	3641 Brisban Street	Harrisburg	717	
<u>ANTHRACITE CONSERVATION AND RECLAMATION</u>				
Wesley I. Stonebraker Director	400 North Third Street	Harrisburg	717	787-5548
Home:	111 South 24th Street	Camp Hill	717	761-1751

## ANTHRACITE MINE INSPECTORS

District Number				Area Code	
1	W. A. Sanders, Actg.	R. D. 2	Dalton	717	563-1945
3	W. A. Sanders	R. D. 2	Dalton	717	563-1945
11	T. M. Beane	366 Monument Avenue	Wyoming	717	693-0222
12	J. A. Bugel	336 Columbia Avenue	Atlas	717	339-1103
13	W. R. Devens	38 Butler Street	Forty Fort	717	287-4576
14	K. C. Lee	88 Old River Road	Wilkes-Barre	717	823-1977
15	P. P. Hino, Actg.	108 East Mahanoy Avenue	Mahanoy City	717	773-3694
16	F. C. O'Connor	R. D. 2, Box 370	Pottsville	717	544-2573
17	G. F. Kettle	246 West Spruce Street	Shamokin	717	648-2335
18	J. J. Shober, Jr., Actg.	64 East Railroad Street	Nesquehoning	717	669-6048
19	J. J. Shober, Jr.	64 East Railroad Street	Nesquehoning	717	669-6048
20	G. P. Gallagher	103 East Arch Street	Shamokin	717	648-3887
21	A. J. Latz	9 West Phillips Street	Coaldale	717	645-5727
22	J. R. Ruane	928 No. Washington St.	Shamokin	717	648-0262
23	J. P. Brophy	422 West Third Street	Mount Carmel	717	339-3171
24	H. E. Shomper	138 East Lincoln Street	Shamokin	717	648-3124
25	Walter Davis	512 West Market Street	Pottsville	717	622-4107
26	P. P. Hino	108 East Mahanoy Avenue	Mahanoy City	717	773-3694
27	R. O. Schneider	216 North 9th Street	Ashland	717	875-1861
28	A. A. Joyce	317 South Maple Street	Mount Carmel	717	339-0514
29	H. R. Reese	R. D. 1, Box 41, H-1	Elysburg	717	672-2853
30	W. D. Maurer	25 Vaux Avenue	Tremont	717	695-3672

ELECTRICAL INSPECTOR

Michael Polinko	1211 Chestnut Street	Kulpmont	717	373-9449
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ELECTRICAL ENGINEER

Karl A. Meyer	84 River Street	Forty Fort	717	287-3753
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MINE RESCUE & FIRST AID INSTRUCTOR

Stephen M. Matsick	617 E. Patterson Street	Lansford	717	645-4256
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Charles W. Jones	231 West Main Street	Girardville	717	276-6353
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FIELD INVESTIGATORS

Andrew Yesalusky	35 West Frack Street	Frackville	717	874-2771
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John J. Lavix	44 Union Street	Plains	717	823-4407
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OIL AND GAS DIVISION

W. Roy Cunningham Deputy Secretary	Room 1205 State Office Bldg., 300 Liberty Avenue	Pittsburgh 22	412	391-2100
Home:	919 Harlan Avenue	Johnstown	814	Ext. 734 299-2812

OIL AND GAS INSPECTORS

1	Charles C. Songer	100 E. Wayne St., Box 801	Warren	814	723-7477
2	Howard W. Martin	321 North Eighth Street	Indiana	412	463-0590
3	Charles E. Baldwin	907 Williams Street McJ. Acres	Washington	412	222-3295
4	William J. Burns, Jr.	335 North Barnett Street	Brookville	814	849-2445
5	Charles F. Straub	505 Oak Street, Box 141	Coudersport	814	274-8840
6	Richard F. Walther	630 Southview Drive	Pittsburgh 26	412	563-3656

OIL AND GAS CONSERVATION COMMISSION

Robert J. Hartman Secretary	Room 1708, Benedum-Trees Bldg., 223 4th Avenue	Pittsburgh	412	391-2100
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COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF MINES AND MINERAL INDUSTRIES  
ANTHRACITE DIVISION  
Breakers, Washeries and Preparation Plants

1964

Dist- rict	Preparation Plant	Company	Location
1	Ace Breaker	Ace Coal Co.	Blakely
24	Ace Breaker	Ace Coal Sales	Weigh Scales
26	Altamont Breaker a	Altamont Coal Co.	Frackville
19	B. & N. Breaker	B. & N. Coal Co.	Schuylkill Haven
24	Bar Mac Breaker	Bar Mac Coal Co., Inc.	Weigh Scales
27	Barry Washery	Mosolino Contracting Co.	Gordon
15	Beaver Brook Breaker	Beaver Brook Coal Co.	Beaver Brook
11	Bel Air Breaker	Bel Air Coal Co.	Duryea
3	Bellevue Washery a	Monroe Co., Inc.	Scranton
19	Black Heath Breaker	Phoenix Contracting Co.	Cressona
26	Blaschak Breaker	Blaschak Coal Co.	Saint Nicholas
24	Blended Breaker	Blended Coal Co.	Weigh Scales
11	Bliss Breaker	Bliss Coal Co.	Cherry Township
18	Bliss Washery	Bliss & Son, Inc., R.T.	Mauch Chunk
1	Bolands Breaker	DeAngelis, Inc.	Carbondale
11	Booth Breaker	E. & B. Coal Sales	Cherry Township
21	Branch Breaker b	Branch Coal Corp.	Pottsville
18	Brockton Breaker	Brockton Black Beauty Coal Co.	Brockton
15	Buckley Breaker	Buckley Coal Corp.	Eckley
29	Cains Breaker	Cain Coal Co.	Shamokin
26	Candlemas Washery	Coleby Coal Co.	Haddock
24	Carbon Run Breaker	Rosini Coal Co.	South Shamokin
1	Cleaning Plant 1	Carbondale Coal Co.	Carbondale
1	Cleaning Plant 2	Carbondale Coal Co.	Carbondale
20	D. & D. Breaker	D. & D. Coal Co.	Mount Carmel
24	D. & Z. Breaker	D. & Z. Coal Co.	Weigh Scales
20	Diamond Breaker	Diamond Coal Co., Inc.	Atlas
11	Dicksville Breaker	Dicksville Coal Co.	Swoyersville
24	Diminick Breaker	Diminick Coal Sales	Paxinos
21	DiRenzo Breaker	DiRenzo Coal Co.	Minersville
25	Donaldson Colliery	Anthracite Fine Coals, Inc.	Donaldson
11	Dorrance Breaker	Lehigh Valley Anthracite, Inc.	Wilkes-Barre
12	Elizabethville Washery	Elizabethville Coal Co.	Elizabethville
30	Emerich Washery	Emerich, William G.	Ono
26	Englewood Breaker	Englewood Coal Co.	Frackville
21	Forestville Washery	Manbeck Dredging Co., Inc.	Forestville
25	Franklin Hydrotated Breaker	Franklin Coal Co.	Ravine
27	Gilberton Breaker	Gilberton Coal Co.	Gilberton
24	Glen Burn Breaker	Susquehanna Coal Co.	Shamokin
14	Glen Lyon Breaker	Susquehanna Coal Co.	Glen Lyon
21	Glenn Worth Breaker	Glenn Worth Coal Co.	Cressona
24	Glosek Breaker	Glosek Brothers Coal Sales	Weigh Scales
15	Gowen Breaker	Greybosh Coal Co.	Hazleton
18	Greenwood Breaker	Greenwood Mining Co.	Rahn Township
17	H. J. & H. Breaker	H. J. & H. Coal Co.	Zerbe
15	Hazleton Shaft Breaker	Lehigh Valley Anthracite, Inc.	Hazleton
15	Highland No. 5 Fine Coal Plant	Jeddo-Highland Coal Co.	Wilburton
18	Hillside Breaker	Hillside Coal Co.	South Tamaqua
25	Hillside Breaker	Hegins Mining Co.	Zerbe
15	Honeybrook Breaker	Honeybrook Mines, Inc.	Audenried
24	Hoover Breaker	Hoover Mining Co.	Paxinos
13	Huber Breaker	Glen Alden Corporation	Ashley
25	Indian Head Breaker	Indian Head Coal Co.	Tremont
15	Jeddo No. 7 Breaker	Jeddo-Highland Coal Co.	Harleigh
30	Joliett Breaker c	Joliett Realty Co.	Joliett
24	K. & D. Breaker	K. & D. Coal Co.	Weigh Scales
20	K. & K. Breaker	K. & K. Coal Co.	Atlas
18	K. M. & F. Breaker	K. M. & F. Coal Service	Middleport
21	K. & P. Breaker	K. & P. Coal Co.	Minersville
19	Kaska Breaker	Dale Contracting Corp.	Middleport

Dist- rict	Preparation Plant	Company	Location
11	Kassa Breaker	Kassa Coal Co.	Laflin
12	Kerrigan Breaker	Kerrigan Coal Co.	Williamstown
25	Koch's Breaker	Koch Co., Joseph	Ravine
30	Kocher Breaker	Kocher Coal Co.	Valley View
21	Kowalchick Breaker	Kowalchick, Michael	Primrose
16	Legal Breaker	Legal Coal Co.	Good Spring
15	Leonard Breaker	Leonard Coal Co.	Hazleton
30	Lincoln Washery	Manbeck Dredging Co., Inc.	Pine Grove RD 3
15	Lion Breaker	Cunningham Coal Co.	Hazleton
21	Live Oak Breaker	Live Oak Coal Co.	Primrose
23	Locust Summit Breaker	Reading Anthracite Co.	Locust Gap
11	Loomis Breaker	Lehigh Valley Anthracite, Inc.	Hanover
11	Loree Breaker	Glen Alden Corporation	Larksville
24	Lower Region Washery	Lower Region Colliery	Trevorton Road
19	Lowland Washery	Manbeck Dredging Co., Inc.	Landingville
21	Lytle Washery	Winnie Land Co., Inc.	Primrose
27	Malho Breaker	Malho Coal Co.	Lavelle
22	Mammoth Breaker	Lehigh Valley Anthracite, Inc.	Lost Creek
21	Maple Spring Breaker	Maple Spring Coal Co.	Branchdale
21	Marlin Breaker	Cass Contracting Co.	Marlin
1	Matisko Cleaning Plant	Matisko Coal Co.	Forest City
26	Mazaika Breaker	Mazaika Coal Co.	Tamaqua
22	Midvalley Colliery	Jeddo-Highland Coal Co.	Wilburton
21	Minersville Breaker	Minersville Coal Co., Inc.	Minersville
12	Meadowbrook Breaker	Meadowbrook Coal Co.	Lykens
12	Meadowbrook Washery	Meadowbrook Coal Co.	Lykens
27	Millersville Breaker d	Pine Ridge Mining Co.	Ashland
3	Morgan Breaker	Penn Can Coal Co.	Old Forge
26	Morea Breaker e	Lehigh Valley Anthracite Inc.	Morea Colliery
26	Mount Hazle Breaker	Locust Valley Coal Co.	New Boston
18	Mountain Side Breaker	Mountain Side Coal Co.	South Tamaqua
21	New Saint Nicholas Breaker	Reading Anthracite Co.	Duncott
21	New St. Nicholas Fine Coal Plant	Reading Anthracite Co.	Duncott
24	North Line Breaker	Steam Coals, Inc.	South Shamokin
18	No. 6 Washery	Manbeck Dredging Co., Inc.	Lansford
25	Oakwood Breaker	Oakwood Coal Co.	Pine Grove
21	Old Mill Breaker	Old Mill Coal Yard	Llewellyn
21	Olenick Breaker	Olenick Brothers Coal Co.	Forestville
3	O'Toole Sizing Plant	O'Toole, John F.	Moosic
12	P. & W. V. Ramp	P. & W. V. Coal Co.	Lykens
27	P-45 Cleaner Plant	Reading Anthracite Co.	Buck Run
25	Penag Colliery	Penag Coal Co.	Good Spring
1	Penbrook Breaker	Penbrook Coal Co.	Archbald
12	Pine Creek Breaker	Pine Creek Coal Co.	Spring Glen
19	Pine Forest Washery	Reading Anthracite Co.	Saint Clair
1	Pompey Breaker	Pompey Coal Co.	Jessup
25	Potts Breaker	Potts Co., Allen	Pine Grove 3
18	R. & R. Washery	R. & R. Coal Co.	Lehighon RD 2
29	Ranshaw Washery	Folger & Chapleski	Ranshaw
11	Ratchford Breaker	Ratchford & Son	Cherry Township
1	Raymond Breaker	Northwest Mining Co., Inc.	Eynon
27	Reichwein & Beury Breaker	Reichwein & Beury Coal Co.	Ashland
24	Reidinger Breaker	Reidinger Coal Service, Inc.	Paxinos
27	Rosa Breaker	Capparell Coal Co., Inc.	Shenandoah
26	Saint Nicholas No. 4 & 5 Plant	Reading Anthracite Coal Co.	Saint Nicholas
26	Saint Nicholas Central Breaker	Reading Anthracite Coal Co. f	Saint Nicholas
19	Salem Creek Breaker	Lehigh Valley Anthracite, Inc.	Pottsville
20	Savitski Breaker	Savitski Brothers Coal Sales	Atlas
25	Schneck's Breaker	Schneck Coal Co., Thomas W.	Pine Grove 1
11	Sebastopol Breaker	Sebastopol Coal Co.	Jenkins Township
26	Seltzer Breaker	Seltzer Coal Co.	Frackville
12	Shomper Breaker	Shomper Coal Co.	Tower City
18	Silver Creek Breaker	Silver Creek Coal Co., Inc.	New Philadelphia
26	Skytop Breaker	Skytop Coal Co.	New Boston
18	South Tamaqua Breaker	South Tamaqua Coal Pockets	South Tamaqua
24	Split Vein Breaker	Split Vein Coal Co.	Weigh Scales
18	Spring Creek Breaker	Spring Creek Coal Co.	South Tamaqua
26	Starwood Breaker g	Starwood Coal Corp.	New Boston
20	State Coal Co. Breaker	State Coal Co., Inc.	Shamokin

Dist- rict	Preparation Plant	Company	Location
12	Stonehill Breaker	Stonehill Coal Co.	Loyalton
12	Strohecker Breaker	Strohecker Coal Breaker	Elizabethville
28	Sunshine Breaker	Sunshine Coal Co.	Dunklebergers
16	Superior Breaker	Superior Coal Co.	Valley View
25	Swatara Breaker	Swatara Coal Co.	Zerbe
24	Swift Breaker	Swift Coal Sales	Paxinos
3	Taylor Breaker	Moffat Coal Co., Inc.	Taylor
15	Tedesco Breaker	Tedesco Brothers Coal Co.	Pardeesville
25	Tremont Anthracite Breaker	Tremont Anthracite Co.	Tremont
17	Trevorton Breaker (New)	Reading Anthracite Co.	Trevorton
17	Trevorton Breaker (Old) h	Reading Anthracite Co.	Trevorton
12	Underkoffler Breaker	Underkoffler Coal Service	Lykens
15	Upper Lehigh Breaker	Sandy Run Miners & Producers, Inc.	Upper Lehigh
26	Valley Breaker	Valley Coal Co.	Tamaqua
1	Waddell Washery	Waddell Coal Mining Co., Inc.	Jessup
19	Walton Breaker	Walton Co., John	Schuykill Haven
26	Wessner Breaker	Wessner Coal Co.	Tamaqua

- NOTE: (a) Ceased operations in August, 1964.  
 (b) Ceased operations in April, 1964.  
 (c) Breaker idle during entire year.  
 (d) Breaker abandoned during June, 1964.  
 (e) Breaker began operations in November, 1964.  
 (f) Ceased operations in January, 1964.  
 (g) Breaker began operations in October, 1964.  
 (h) Breaker abandoned March, 1964.

## DEPARTMENT OF MINES AND MINERAL INDUSTRIES

## ANTHRACITE OPERATORS - YEAR 1964

District	Operator	General Manager	Address
29	A-B Coal Mine @	Arthur Boscolovich	Ranshaw
3	A. C. & A. Coal Co. DM	Louisi Agostini	Old Forge
18	A. & D. Coal Co. DM	John Daukshus	Tamaqua
17	A. & K. Coal Co. @	Ralph A. Koch	Shamokin
23	A. & K. Coal Co. @	Norbert Anascavage	Excelsior
16	A. & J. Coal Co. DM	Andrew Drebitko	Pottsville
19	A. & J. Coal Co. @	Anthony Chavokis	Port Carbon
22-27	A. & M. Coal Co. @	Sam Ascioti	Girardville
12	A. & P. Coal Co. DM	Joseph Reho	Williamstown
22	A. & S. Coal Co. @	Joseph Santos	Mt. Carmel
23	A. & T. Coal Co. @	Paul Thomas	Excelsior
20	A. T. & D. Coal Co. @	Cyril Doyle	Mt. Carmel
29	A. & W. Coal Co. @	Joseph Astick	Shamokin
22	Abrasonis Coal Co. @	John Abrasonis	Shanandoah
24	Ace Coal Sales BP	Earl Hertzog	Shamokin, R.D.2
1	Ace Coal Co. B	Louis Simoncelli	Elakely
12	Acme Coal Co. @	Joseph Reho	Williamstown
20	Adams Coal Co. @	Adam Pisanko	Kulpmont
21	Adams Partnership @	Foster Adams	Heltenstein
29	Al-Don Coal Co. @	Donald R. Bramhall	Shamokin
28	Alarcon Coal Co. DM	Frank Alarcon	Keiser
26	Alessi Coal Co. DM	Natalie Alessi	Mahanoy City
26	Aljac Coal Corp. DM	Albert Peca	Mahanoy City
23	Al Mar Coal Co. DM	Albert Dietz	Mt. Carmel
21	Allen Mining Co. DM	John Stranko	Pottsville
20	Amarose Bros. Coal Co. @	Louis Amarose	Atlas
26	Altamont Coal Co. BP	George Kosishok	Frackville
19	Andrews Partnership @	William Andrews	Frackville
30	Anspach & Umbenhauer Coal Co. DM	Fred Anspach	Pine Grove, R.D.1
18	Anthracite By-Products Co. bk	Walter Bobowsky	McAdoo
25-27	Anthracite Fine Coals, Inc., BP DM S	Robert Doebler	Donaldson
27	Ashland Community, Enterprises@	Emil Erment	Ashland
15	Audenried Mines, Inc. DM	Andrew Brazzo	Beaver Meadow
20	B. & B. Coal Co. @	Amil Bielarski	Ashland
28	B. & B. Coal Co. @	Frank Barella	Mt. Carmel
23	B. & B. Coal Co. @	Norbert Anascavage	Excelsior
15	B. B. & C. Coal Co. @	George Biskupic	Tamaqua, R.D.2
28	B. & C. Coal Co. @	Edward Campbell	Shamokin
30	B. & C. Coal Co. DM	Willard Clark	Hegins, R.D.1
23	B. & D. Coal Co. @	George Dedovich	Excelsior
22	B. & D. Coal Co. @	Henry Barlow	Atlas
21	B. D. & H. Coal Co. @	Leroy Bainbridge	Pottsville, R.D.2
17	B. & E. Coal Co. @	David A. Ernest	Shamokin
20	B. & E. Coal Co. @	William Biscoe	Girardville
26	B. & G. Coal Co. @	Joseph Benedict	Mahanoy City
30	B. & H. Coal Co. @	Eugene Hawk	Pine Grove, R.D.3
21	B. H. & L. Coal Co. @	George Honyara	Minersville
22	B. & J. Coal Co. @	Wm. J. Bernitski	Mt. Carmel
30	B. & K. Coal Co. - #1 Vn. Sl. @	Jeremiah Kintzel	Pine Grove, R.D.2
30	B. & K. Coal Co. - #2 Vn. Sl. @	Kenneth Wolfgang	Donaldson
29	B. K. P. Coal Co. @	John Patrillak	Keiser
24	B. & L. Coal Co. @	Walter Belskie	Shamokin
29	B. & L. Coal Co. @	Michael Grego	Keiser
23	B. & M. Coal Co. @	Victor Bridy	Excelsior
12	B. & M. Coal Co. @	Ralph Boyer	Valley View
16	B. & M. Coal Co. DM	Wayne Moyer	Valley View
19	B. & M. Coal Co. @	John Bombar	Minersville
30	B. & M. Coal Co. @	Clervin Miller	Hegins
26	B. & N. Coal Co. @	John Bolish	Mahanoy City
27	B. & N. Coal Co. @	Chester Nork	Shaft
19	B. & N. Coal Co. BP	Daniel Koury	Pottsville
23	B. N. & S. Coal Co. @	Anthony Nestico	Kulpmont
27	B. & O. Coal Co. DM	Charles Ressler	Hegins, R.D.2
12	B. & P. Coal Co. @	William D. Showers	Williamstown
30	B. R. T. Coal Co. @	Thomas E. Daubert	Pine Grove, R.D.2



District	Operator	General Manager	Address
23	B. & S. Coal Co. DM	Victor Blascovich	Locust Gap
24	B. & S. Coal Co. @	Alfred Berry	Shamokin
29	B-Y Coal Co. @	Joseph Yankoski	Shamokin
21	B. Z. & D. Coal Co. @	Joseph Zitka	Pottsville, R.D.2
12	Bair Coal Co. @	Frank Bair	Williamstown
17	Banks Coal Co. @	Michael S. Kidron	Trevorton
24	Bar-Mac Coal Co., Inc. BP	Charles Greco	Mt. Carmel
13	Bartoli Construction Co., Gene bk	Eugene Bartoli	Wilkes-Barre
25	Batz Coal Co. @	Donald Batz	Pine Grove, R.D.1
12	Bear Gap Stripping Co., Inc. S	George Tallman	Lykens
19	Bear Ridge Coal Co. @	Peter Smertsky	Frackville
15	Beaver Brook Coal Co., Inc. B	Edward Dormer	Beaver Brook
28	Bednarczyk Coal Co. DM	Joseph W. Bednarczyk	Shamokin
11	Bel Air Coal Co. BP	Bert Andrews	Duryea
28	Bell Coal Co. @	Michael Stasick	Trevorton
1	Bell Mountain Coal Co. @	William Andrezze	Mocanaqua
19	Bernitsky Coal Co. DM	Albert Bernitsky	New Philadelphia
19	Bernitsky & Stenulis Parnership	Joseph Bernitsky	New Philadelphia
21	Big Hill Coal Co. @	Joseph Zukowski	Minersville
18	Big Pine Coal, Inc. DM	Vincent Basgil	Middleport
15	Biskupic Coal Co. @	John Biskupic	McAdoo
16	Bixler Coal Co. DM	Herman Bixler	Valley View
18	Blaschock Coal Co. @	John Blashock, Jr.	Park Crest
26	Blaschak Coal Co. BP	Edward Razzis	Mahanoy City
24	Blended Coal Co. BP	Charles Greco	Mt. Carmel
11	Bliss Coal Co. BP S	Carl Bliss	Mildred
18	Bliss & Son, Inc., R. T. bk	R. T. Bliss	Nesquehoning
12-27	Bloch Brothers Coal Co. DM @	Paul Bloch	Hegins, R.D.2
25	Blue Bell Enterprises S	John Butcavage	Minersville
29	Blue Coal @	William Yeager	Shamokin
18	Blue Jay Coal Co. DM	Michael Bubel	Brockton
12	Blyler Coal Co., Glen @	Glen Blyler	Williamstown
23	Bojack Coal Co. @	Walter Bogus	Excelsior
26	Bologa & Co. @	John Bologa	New Boston
30	Bonawitz Coal Co. @	Daniel Bonawitz	Pine Grove
26	Boner & Webb Coal Co. @	James Boner	Mahanoy City
23	Borkowski Coal Co. @	Walter Borkowski	Ranshaw
21	Bosack Coal Co. DM	Frank Bosack, Jr.	Pottsville
27	Bowman & Coleman Coal Co. DM	Henry Bowman	Sacramento
21	Branch Coal Corp. BP	Walter Ryon	Pottsville
23	Brassington Coal Co. @	Kenneth Brassington	Excelsior
29	Bridy Coal Slope @	Gilbert Bridy	Shamokin
24-29	Bridy, Incorporated S	Edward A. Bridy	Atlas
18	Broad Mountain Coal Co. @	Joseph Swilp	Cumbola
18	Brockton Black Beauty Coal Co., BP	Ralph Tenaglia	Brockton
26	Brokenshire & Co. @	George Brokenshire	Barnesville
15	Brook Contracting Corp. S	Charles E. Wezner	Hazleton
12	Brosious & Troup S	Jay Troup	Williamstown
17	Bruno & Peifer Coal Co. @	John E. Bruno	Trevorton
21	Buck Coal Co. @	John Gurski	Pottsville, R.D.1
22	Buck Coal Co. S	John Miller	Mt. Carmel
15	Buckley Coal Corp. B	Norman James	Ringtown
20	Burnrite Coal Co. DM	Joseph Zukus	Atlas
16	Bush Coal Co. DM	Earl Bush	Tower City
18	Butensky Coal Co. @	Charles Butensky	Branchdale
26	Byer Coal Co. @	Joseph Byer	Park Place
11	C. B. M. Coal Co. bk	Eugene Bartoli	Wilkes-Barre
23	C. & D. Coal Co. @	Charles Feudale	Sagon
19	C. & F. Coal Co. @	William Flail	Frackville
21	C. F. & P. Coal Co. @	Horace Frantz	Pottsville R.D.1
24-29	C. & J. Coal Co. S	Charles Greco	Mt. Carmel
18	C. & J. Coal Co. @	Charles Frye	Quakake
20	C. & J. Coal Co. S	Robert B. Fanella	Mt. Carmel
30	C. K. S. Coal Co. DM	Henrad Conrad	Valley View
17	C. & M. Coal Co. @	Paul J. Costa	Sunbury, R.D.2
29	C. & M. Coal Co. @	Frank Czynio	Shamokin
28	C. & M. Coal Co. @	Richard Cooper	Shamokin, R.D.2
20-28	C. & S. Coal Co. S	Charles Candelora	Elysburg
1	C. & S. Excavating Co. S	Eldore Sebastianelli	Dunmore
19	C. & V. Coal Co. @	Anthony Chukusky	Frackville

District	Operator	General Manager	Address
12	C. & Y. Coal Co. @	John Cretarola	Williamstown
29	Cains Coal Co. BP	Edward Cain	Shamokin
18	Canfield Construction Co. S	Thomas Canfield	Port Carbon
17	Capitol Coal Co. @	John J. Bogetti	Shamokin
27	Capparell Coal Co., Inc. BP	Saverio Capparell	Shanandoah
22-27	Capparell Strip & Construction Co., Inc. S bk	S. T. Capparell	Hazleton
11	Capone Coal Co. S	Patrick Capone	Wilkes-Barre
29	Campbell & Kodack @	Michael Kodack	Shamokin
1	Carbondale Coal Co. S B	Thomas J. Gillen, Jr.	Carbondale
21	Cass Contracting Co. BP	James V. Ryan	Pottsville, R.D.2
23	Chango Coal Co. @ DM	Robert Pitello	Excelsior
22	Charnick Coal Co. @	Leo Charnick	Frackville
29	Char-Will Coal Co. @	Charles Malewak	Shamokin
29	Char-Will Coal Co., No. 2 @	Charles Malewak	Shamokin
21	Cherkis Partnership @	Wassel Cherkis	Minersville
23	Chervanik Associates S	C. Robert Chervanik	Shamokin
17	Chestnut Coal Co. @	Stephen Shingara	Sunbury, R.D.3
1	Cicio Coal Co. S	Michael Cicio	Mayfield
20	Ciocco Coal Co. @	Frank Ciocco	Atlas
16	Clark Coal Co. DM	Clark Maurer, Jr.	Hegins
1	Coalbrook Iron & Metals bk	John C. Baumann	Carbondale
3	Coalbrook Sales Co., Inc. S	John C. Baumann	Carbondale
26	Coleby Coal Co., Inc. bk W	Garfield A. Schnee	McAdoo
27	Colket Coal Co. @	John Messaros	Branchdale
28	Collier Coal Co. @	Clair Collier	Shamokin, R.D.2
20	Conyngham Contracting Co., Inc. S	William H. Brennan	Ashland
18-19	Cooper Coal Co., Adam @	Adam Cooper	Port Carbon
21	Coxe Coal Co. DM	John Swinko	Mt. Carmel
15	Craig, John bk	John Craig	Ringtown
27	Crossroads Coal Co. @	Paul Kerrigan	Ashland
15	Cunningham Coal Co. B bk	Frank Moran	Hazleton
24	Czech Brothers Coal Co. @	Stanley Czech	Shamokin
20	D. & D. Coal Co. BP	Cyril Doyle	Mt. Carmel
24	D. & D. Coal Co. @	Randall Derck	Shamokin, R.D.2
29	D. D. Z Coal Co. @	Joseph Dombroski	Shamokin
21	D. E. & C. Coal Co. bk	Edwin Weyman	Llewellyn
23	D. & G. Coal Co. @	Anthony Gonzales	Excelsior
19	D. & G. Partnership @	Stanley Gravish	Cumbola
16-17	D. H. & W. Coal Co. DM	Kenneth Whitmer	Paxinos
22	D. & H. Coal Co. @	Peter Dillman	Ringtown
28	D. & J. Coal Co. @	Daniel Fedako	Ashland
21	D. & K. Coal Co. @	Albert Karol	Pottsville, R.D.1
20	D. K. & M. Coal Co. @	Gurney Klinger	Kegins, R.D.2
21	D. & M. Coal Co. DM	Joseph Millard	Minersville
20	D. & N. Coal Co. @	Edward Marcavage	Mt. Carmel
21	D. & P. Coal Co. @	John Doyle	Pottsville, R.D.2
20	D. R. Z. Coal Co. DM @	Ernest A. DiRienzo	Keiser
26	D. & S. Coal Co. @	Felix DeCasimirro	Morea Colliery
24	D. & Z. Coal Co. BP	Stanley Diminick	Shamokin
18-19	Dale Contracting Corp. BP bk	Ray Davis	Scranton
17	Dallebrida Coal Co. DM	Fred W. Dallebrida	Mt. Carmel
21	Dando Coal Co., Frederick P. DM	Frederick P. Dando	Pottsville
21	Dando & Troup Coal Co. S	David J. Dando	Minersville
24	Dean Coal Co. @	Paul Machesic	Paxinos
1	DeAngelis, Inc. B DM bk	John C. Baumann	Carbondale
1	DeAngelis Supreme Anthracite bk	John C. Baumann	Carbondale
27	Deitrick & Ebert Coal Co. DM	George Ebert	Hegins, R.D.2
15	DeLance Contracting Co., Inc. DM	Neil DeLance	Drifton
26	Dembinski Coal Co. @	Wash Dembinski	Ashland, R.D.1
29	Derck & Wagner Coal Co. @	Bobby Derck	Ranshaw
1	Deweese Brothers, Inc. S	Charles K. Dewees, 3rd	Forty Fort
21	Diamond Coal Co. @	George Pinchorskie	Williamstown
20	Diamond Coal Co., Inc. BP	Saverio Greco	Mt. Carmel
3	Diamond Colliery Co. S	Joseph Giovannini	Scranton
26	DiCasimirro Contg. Co. bk	Felix DiCasimirro	Morea Colliery
11	Dicksville Coal Co. BP	Joseph Kenzakoski	Luzerne
24	Diminick Coal Sales BP	Valenti Scicchitano	Paxinos
21	DiRenzo Coal Co. BP	Dominick DeRenzo	Pottsville, R.D.2
24	Dugan Coal Co. @	Joseph Leschinski	Shamokin
24	Duke Mining Co. @	Harold Weikel	Shamokin
24	Duke Mining Co. DM	Joseph Duke	Shamokin

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22		Dyszal Coal Co. @	Michael Dyszal	Girardville
11		E. & B. Coal Sales BP S	Edwin Booth, Sr.	Mildred
16		E. & H. Coal Co. DM	Edward Melusky	Valley View
16		E. & R. Coal Co. DM	Jay Erdman	Klingerstown
28		E. & T. Coal Co. DM	Pete Ibanez	Mt. Carmel
19		Eagle Hill Coal Co. @	Henry Williams	Pottsville
19		Eagle Hill Partnership @	Leo Shapell	Barnesville
11		Eastern Mining Corp. DM	Bruno Ferretti	West Pittston
28		Edgewood Coal Co. @	Nicholas Yanishak	Shamokin
24		Edgewood Contracting Co. S	Floyd Doty	Shamokin
24		Eldy Coal Co. @	William Lytle	Shamokin, R.D.2
12		Elizabethville Coal Co. W.bk	Eston R. Klinger	Elizabethville
23		Else Coal Co. @	Charles Else	Excelsior
30		Emerich, William G. bk W	William G. Emerich	Ono
26		Englewood Coal Co. BP	Michael Sluck	Gilberton
20		Ennis Coal Co. DM	William Ennis	Ashland
16		Erdman Coal Co. DM	Jay Erdman	Valley View
1		Esgro Coal Co. DM	Dominick Esgro	Jermyn
29		Eureka Coal Co. @	Stanley Rozinski	Shamokin
18		F. & A. Hauling bk	Frank Nardini	Lansford
20		F. & L. Coal Co. @	Henry Fessler	Shamokin
29		F. & L. Coal Co. @	John Landau	Shamokin
21		F. & W. Coal Co. @	Walter Whalen	Pottsville, R.D.2
21		F. & W. Coal Co. @	Elmer Williams	Ashland, R.D.1
12		F. W. D. Coal Co. @	Russel Houtz	Tower City
20		Fago Coal Co. @	George G. Fago	Centralia
17		Fairdeal Coal Co. DM	Leon E. Shingara	Shamokin
25		Falls Coal Co. @	Herman Stine	Zerbe
18		Farley & Inhat Coal Co. DM	J. Norbert Farley	Pottsville, R.D.1
25		Fasnacht Co., Noel @	Noel Fasnacht, Sr.	Tremont
25		Faust Co., Charles @	Charles Faust	Muir
27		Fay-Mar Coal Co. @	Charles Leininger	Tremont
26		Fegley Bros. Coal Co. @	Leonard Fegley	Barnesville
15		Fern Glen Mining Co. @	Paul Davis	Rock Glen
1		Fern Hill Coal Co. @	Sam Sallo	Throop
28		Fetterolf Coal Co. @	Harvey Fetterolf	Mowry
27		Fetterolf Coal Co. DM	Walter Mudry	Kulpmont
30		Fireside Mining Inc. DM	Marvin Kimmel	Hegins, R.D.2
29		Folger & Chapleski S W bk	Leonard Chapleski	Ranshaw
26		Forgotsch Bros. @	Vincent Forgotsch	Mahanoy City
26		Forsum Coal Co. DM	Joseph Sluck	Gilberton
24		Four Partners @	John Vrona	Shamokin
28		Foura Coal Co. @	Ben Foura	Shamokin, R.D.2
25		Franklin Coal Co. BP	Franklin Miller	Ravine
18		Frye Brothers Coal Co. @	Robert Frye	Quakake
12		G. A. D. Coal Co. @	Lamar Artz	Pine Grove, R.D.2
21		G. & B. Coal Co. @	Joseph Wawrzaszek	Minersville
29		G. & B. Coal Co. @	Earl H. Greager	Shamokin
19		G. & L Coal Co. bk	George Gormas	Pottsville
29		G. & L. Coal Co. @	Earl H. Greager	Shamokin
27		G. & M. Coal Co. DM	Albert Machese	Girardville
23		G. M. P. Coal Co. DM	Vincent Miskell	Mt. Carmel
27		G. & T. Coal Co. DM	Malcolm Thompson	Donaldson
29		G. & T. Coal Co. @	Harry Grozul	Ranshaw
12		Gangloff Brothers bk	Gene Gangloff	New Ringgold
12		Garber Coal Co. @	George Garber	Williamstown
28		Garcia Coal Co. DM	Joseph Garcia	Kulpmont
29		Garfield Coal Co. @	John Lotis	Shamokin
25		Gavalis Co., Joseph S	Joseph Gavalis	Orwigsburg
22		Gaughan Coal Co. @	Thomas Gaughan	Ashland
17		Gem Coal Co. @	Vaughn K. Ditty	Gowen City
15		Genese Mining @	Eugene Cardamone	McAdoo
20		Germyn Mining Co. @	William Whyne	Ashland
11		Gigliello Coal Co. DM	John Gigliello	Yatesville
22-26-27		Gilberton Coal Co. BP S bk	Garfield A. Schnee	Gilberton
1-11-13-14		Glen Alden Corp. bk S BP DM	Ivor Williams	Ashley
17-24		Glosek Brothers Coal Sales BP S	Frank Glosek	Shamokin
29		Goat Hill Coal Co. @	John J. Albert	Shamokin
12		Gonder Coal Co. @	Isaac Gonder	Williamstown
18		Gorenty Coal Co. @	Earl Gorenty	Middleport
19		Gormas Coal Co. @	George Gormas	Pottsville
15		Gowen Coal Co. B S	Elmer Roth	Fern Glen

157	District	Operator	General Manager	Address
21		Glenn Worth Coal Co. BP	Joseph A. Hauptly	Pottsville
30		Good Spring Coal Co. DM	Catherine Lucas	Tremont
21		Gordon Mountain Coal Co. @	Stanley Sobalesky	Minersville
28		Gowen Coal Co. DM	O. E. Salter	Shamokin
16-30		Green Coal Co. DM @	Ray Green	Hegins
18		Greenwood Mining Co. BP	Joseph Fauzio	Tamaqua
18		Greenwood Stripping Corp. S	Frank Fauzio	Nesquehoning
24		Grego & Deitz Slope No. 2 @	Stanley Grego	Shamokin
15		Greybosh Coal Co. BP	John Greybosh	Hazleton, R.D.1
18		Grigas Coal Co. DM	Peter Grigas	Girardville
28		Gripp Coal Co. @	Joseph Delorso	Shamokin
24		Gripp Coal Co. @	Peter Gripp	Shamokin
1		Grzywacz Coal Co. @	Joseph Grzywacz	Archbald
17		Gudelunas Coal Co. @	Frank J. Gudelunas	Mt. Carmel
28		Gusick Coal Co. @	Edward Gusick	Kulpmont
24		H. & B. Coal Co. S	Henry Olaf	Kulpmont
12		H. & D. Coal Co. @	Monroe Header	Ashland, R.D.1
21		H. & G. Coal Co. @	William George	Ashland, R.D.1
20		H. & G. Coal Co. @	Leonard Hornberger	Ashland, R.D.1
30		H. & H. Coal Co. @	Wayne A. Huntzinger	Hegins
16		H. & H. Coal Co. DM	Joseph Zuret	Pine Grove
17-28		H. J. & H. Coal Co. BP bk	Harry D. Reitz	Milton
12		H. & K. Coal Co. @	Charles Koons	Valley View
16		H. & K. Coal Co. @	David Hoffman	Klingerstown
23		H. K. & K. Coal Co. @	John Kasmer	Excelsior
22		H. & L. Coal Co. @	William J. Leinebach	Ashland
27		H. & M. Coal Co. @	Charles Mitchell	Girardville
27		H. O. B. Coal Co. @	Palmer Otto	Hegins, R.D.2
21		H. & P. Coal Co. DM	John Hudock	Pottsville, R.D.2
27		H. & S. Coal Co. DM	Homer Klinger	Hegins
29		H. & S. Coal Co. @	Theodore Horoshak	Shamokin
25		H. S. F. Coal Co. @	Harvey Herring	Tremont
12		H. S. S. Coal Co. @	Russell Houtz	Tower City
16-28		H. & W. Coal Co. DM	William Heitzman	Shamokin
27		Haas Coal Co. @	Lester Haas	Pitman
19		Halaburda Coal Co. @	Bernard Halaburda	Frackville
25		Haldeman Coal Co. DM	Adam Haldeman, Sr.	Pine Grove, R.D.3
1		Halsey Contracting Corp. S	Vincent Halsey	Carbondale
20		Hank's Coal Co. DM	Henry W. Szymanski	Mt. Carmel
18		Harbon Coal & Contracting Co. S	Joseph Harlan	Hazleton
16		Harman Coal Co. DM	Clair Harman	Valley View
16		Harner Coal Co. DM	Alfred Harner	Valley View
16		Harner & Chyke Coal Co. @	Junior Harner	Tremont
28		Harry's Coal Co. @	Harry Preston	Atlas
16-27		Hatter Coal Co. DM	Ernest Hatter	Hegins
21		Hauptly J. & Hoke C. S	Joseph A. Hauptly	Pottsville
25-27		Hegins Mining Co. BP DM	William Carl	Hegins
21		Hegins Mining Co. DM	Forrest Otto	Hegins
11		Heights Coal Co. DM S	Gene Popple	Pittston
25		Herb & Reed Coal Co. DM	Harry Reed	Tower City
25		Herring, Richard & Harvey @	Richard Herring	Pine Grove
30		Herring Brothers DM	Lester L. Herring	Pine Grove, R.D.2
30		Herring Coal Co. DM	Daniel Herring	Pine Grove, R.D.2
16		High Test Coal Co. DM	Kenneth Curran	Minersville
18		Hillside Coal Co. BP	Theodore Norvidas	Tamaqua, R.D.3
19		Holmes Coal Co. @	John Kline	Palo Alto
15		Honeybrook Mines Inc. S	George Seiler	Audenried
24		Hoover Coal Mining Co. BP	George W. Hoover	Sunbury
27		Hoover & Reed Coal Co. DM	George Lipsky	Cressona
12		Hornberger Coal Co. @	Charles Hornberger	Ashland
19		Horvath Partnership @	William Horvath	Girardville
20-29		Howells, T. S. & Olaf S.		
		Stripping Co. S	Stanley Olaf	Kulpmont
15-26		Huss, George S bk	George Huss	Ringtown
25		Huth Coal Co. @	Peter Huth	Zerbe
26		Hutira & Co. @	Paul Hutira	Frackville
25		Indian Head Coal Co. B S	Peter Loretti	Pine Grove
20		J. & C. Coal Co. @	Salvatore Coroniti	Kulpmont
16		J. & C. Coal Co. DM	Joseph Walacavage	Pottsville
22		J. & D. Coal Co. @	Joseph Dyszal	Girardville
19		J. D. S. Coal Co. DM	Michael J. Herbert	Minersville
11		J. & K. Coal Co. DM	Joseph Krociski	Mildred

District	Operator	General Manager	Address
12	J. & R. Coal Co. @	Joseph Shade	Hegins, R.D.1
12	J. & S. Coal Co. @	Stiney Rodichak	Williamstown
30	J. & S. Coal Co. @	George Carl	Tower City
15-22	Jeddo-Highland Coal Co. bk W S B	Louis Pagnotti	Pittston
20	Jete Coal Co. S	John Menapace	Atlas
25	Jewell Ridge Coal Co. DM	Andrew Drebtko	Pottsville
30	Johnson Coal Co. DM	John A. Johnson	Lavelle
30	Jolliett Realty Co. BP	Peter Loretta	Pine Grove
26	Jones Coal Co. DM @	John Jones	Mahanoy City
21	Joseph Mining Co. @	Frank Dormer	Pottsville
30	K. & B. Coal Co. @	Leonard Krise, Sr.	Tremont
30	K. B. M. K. Coal Co. @	Leonard Krise, Sr.	Tremont
24	K. & D. Coal Co. BP	Albert Koppenhaver	Shamokin
12	K. D. S. Coal Co. @	Marvin Klouser	Hegins, R.D.1
12	K. E. W. Coal Co. DM	Kermit Klinger	Gratz
20	K. & G. Coal Co. @	Anthony Kurtz	Shamokin
20	K. & H. Coal Co. DM	Charles Hepler	Kulpmont
21	K. & H. Coal Co. @	John Hnatishion	St. Clair
29	K. H. K. Coal Co. @	Robert Kabonick	Shamokin
22	K. & K. Coal Co. S	Joseph R. Kovaleski	Mt. Carmel
20	K. & K. Coal Co. BP	James Krall	Mt. Carmel
23	K. & K. Coal Co. @	John Kautter	Sagon
19-23	K. & L. Coal Co. @	Edward Lashendock	Keiser
24	K. & L. Coal Co. @	Robert Kahler	Kelfenstien
21	K. & M. Coal Co. @	C. Kulpavage	Pottsville, R.D.2
19	K. & M. Coal Co. @	Charles Metroka	St. Clair
18	K. M. & F. Coal Service BP	Howard Fees	Middleport
30	K. & N. Coal Co. @	Bruce Klouser	Valley View
27	K. O. R. Coal Co., Inc. DM	Stanley Korenkeiwicz	Lost Creek
21	K. & P. Coal Co. BP	Charles Kiertekles	Minersville
11	K. P. T. Coal Co. S	Joseph Kenzakoski	Wilkes-Barre
27	K. R. G. Coal Co. DM	Howard Renninger	Pine Grove
23	K. & S. Coal Co. @	Enoch Karlovich	Excelsior
1	K. & S. Coal Co. @	Albert Kelly	Scranton
27	K. & S. Coal Co. @	Clair Kimmel	Pine Grove
27	K. S. F. Coal Co. DM	Melvin Kroh	Hegins, R.D.2
30	K. & T. Coal Co. S	George Tallman	Tower City, R.D.1
20	K. & W. Coal Co. @	Michael Keninitz	Kulpmont
28	K. W. & J. Coal Co. @	Wilbur Johnson	Elysburg, R.D.1
29	K. & Z. Coal Co. @	Joseph Zack	Shamokin
29	Kaleta Coal Co. @	James Kaleta	Shamokin
1-3	Kaminski Bros. S	Edward Kaminski	Avoco
11-15	Kassa Coal Co. BP DM S @	Nicholas Kassa	Dupont
30	Keffers Coal Co. DM	Peter Poletti	Valley View
30	Keim Coal Co. DM	Ralph Keim	Tower City, R.D.1
17	Kent Coal Co. @	Robert J. Allen	Trevorton
12-19-20-22	Kerrigan Coal Co. BP S	Paul Kerrigan	Frackville
20-22	Kerris & Helfrick, Inc. S	Edward Helfrick	Mt. Carmel
28	Kerstetter Coal Co. @	Lamar Kerstetter	Shamokin, R.D.2
22	Kessler Coal Co. @	Allen Kessler	Mt. Carmel
3	Keyser Valley Enterprise, Inc. DM	Joseph Giovannini	Scranton
19	Keysock & Klinger Partnership @	Homer Klinger	Gordon
24	Kilo Brothers @	Edward Klebasko	Shamokin
12	Kimmel Coal Co. bk	William Kimmel	Jonestown
30	Kimmel Brothers Coal Co. DM	George Kimmel	Valley View, S.R.
30	Kintzel Bros. Coal Co. @	Nathan Kintzel	Pine Grove, R.D.2
19	Klimas Coal Co. DM	Albert Klimas	New Philadelphia
27	Klinger Coal Co. @	Earl Klinger	Hegins, R.D.2
19	Klinger Coal Co. @	Homer Klinger	Gordon
26	Kluchinsky & Co. @	Albert Kluchinsky	Mahanoy City
29	Knapik Coal Co. @	O. William Knapik	Shamokin
25	Knorr & Geist Coal Co. DM	Elwood Knorr	Hegins
27	Knorr Coal Co. @	Leroy Knorr	Hegins
25	Koch's Coal Co. BP	Joseph Koch	Pine Grove
27-30	Koehler Coal Co., Leon E. BP S	R. W. Rissinger	Valley View
19	Kochmier Coal Co. @	Joseph Kochmier	Mary-D
21	Kopentz Coal Co. @	Walter Kopentz	Pottsville, R.D.1
23	Kopitsky Partnership @	Leo Kopitsky	Excelsior
27	Koperna Coal Co. @	Andrew Koperna	Schuylkill Haven, R.D.2
25	Koperna Coal Co. @	Paul Koperna	Schuylkill Haven, 1
25	Koperna Coal Co. No. 2 @	John Koperna	Schuylkill Haven

District	Operator	General Manager	Address
16	Koppenhaver Coal Co. DM	Howard Koppenhaver	Tremont
25	Koons & Reber Coal Co. @	Henry Reber	Pine Grove 3
21	Koris Co., Inc. S	Robert W. Ressinger	Valley View
20	Koschoff Coal Co. @	Charles Koschoff	Catawissa
19	Kost Partnership @	Charles Kost	St. Clair
20	Kovach Coal Co. @	Alex Kovach	Kulpmont
21	Kowalchick, Michael BP	Michael Kowalchick	Minersville
23	Kozar Coal Co. @	Robert Kozar	Excelsior
30	Krammes Coal Co., Frank @	Frank Krammes	Tremont
18	Krell Coal Co., Philip S	Phillip Krell	Tamaqua, R.D.3
18	Kristoff Coal Co. DM @	George Kristoff	Mary-D
30	Kroh Coal Co. @	Marlin Kroh	Donaldson
21	Kulp Coal Co., Paul @	Paul Kulp	Wiconisco
28	Kulpmont Coal Co. @	Michael Habowski	Mt. Carmel
1	Kuna Coal Co. bk	Peter Kuna	Carbondale
29	L. & D. Coal Co. @	John Lotis	Shamokin
15	L. & D. Mining, Inc. DM	Gene Schan	Hazleton
12	L. & F. Coal Co. @	Wilmer Long	Elizabethville
24	L. & G. Coal Co. @	Earl Greager	Shamokin
20	L. & H. Coal Co. DM	David Lehman	Tremont
20	L. & K. Coal Co. @	Alfred Lucas	Lavelle
23	L. & L. Coal Co. @	Edward Little	Excelsior
17-28	L. & L. Coal Co. @	John Lenig	Shamokin R.D.1
12	L. & M. Coal Co. @	Franklin Lucas	Pine Grove, R.B.3
16	L. O. B. Coal Co. DM	Mark Osman	Valley View
28	L. & S. Coal Co. @	Salvatore Stellar	Shamokin
25	L. S. F. Coal Co. @	Jerry Lucas	Joliett
1	Lackawanna Cinder & Silt Co. bk	William Calpin	Scranton
11	Larlin Heights Coal Co. bk	Louis Falzone	Wyoming
12	Lahr Ogal Co. @	Marlin Lahr	Williamstown
18	Lanscoal Mining Co., Inc. DM	Stephen Karabinus	Lansford
30	Last Chance Coal Co. @	Wilbur White	Ashland, R.D.
18	Laurel Hill Coal Co. DM	Anthony Weisacosky	Pottsville
15	Lee Mining Co., J. F. DM	Joseph F. Lee	Drifton
16	Legal Coal Co. BP	Harry Golden	Pottsville
11-15-19	Lehigh Valley Anthracite Inc. BP S bk	Louis J. Pagnotti, Jr.	West Pittston
22-26-27	Lehman Coal Co. @	Mervin Lehman	Pine Grove, R.D.1
30	Lemongelli Coal Co. @	Peter Lemongelli	Pickville
30	Lengel Coal Co., Warren DM	Warren Lengel	Pine Grove, R.D.2
15	Leonard Coal Co. BP	Frank Leonard	Hazleton
30	Licompa Coal Co. DM	George Mazur	Joliett
27	Little Mine Coal Co. @	Chester Otto	Hegins
21	Live Oak Coal Co. BP	Peter Laychock, Jr.	Pottsville, R.D.1
26	Locust Valley Coal Co. BP bk	Herman Yudaufski	Mahanoy City
23	Lone Pine Coal Co. @	Jerome Zupchick	Excelsior
22	Lone Star Coal Co. DM	Kenneth Curran	Minersville
22	Low Ash Coal Co. @	John Kudrick	Girardville
28	Lotus Coal Co. @	Thomas Anzulavich	Shamokin
24	Lower Region Colliery W	Howard E. Tharp	Shamokin
12	Lucas & Sons Coal Co., Earl @	Earl Lucas	Hegins, R.D.2
20	Lykens Coal Co. @	Allen Shaffler	Keiser
24	Lytle Brothers Partnership @	William Lytle, Jr.	Shamokin
16	M. A. C. C. Coal Co. DM	Albert Artz	Hegins
30	M. B. G. Coal Co. @	Ralph E. Miller	Pine Grove, R.D.1
28	M. G. & S. Coal Co. @	Joseph Murin	Mt. Carmel
20	M. & H. Coal Co. @	John Mekosh	Ashland
22	M. & M. Coal Co. bk	Frank Moncavage	Mt. Carmel
19	M. & N. Coal Co. @	Lawrence Minarick	Cumbola
21	M. & N. Coal Co. DM	Michael Olenick	Pottsville
29	M. & P. Coal Co. @	Daniel Moroz	Shamokin
21	M. & S. Coal Co. S	Francis Stine	Branchdale
22	M. & T. Coal Co. @	Edward McGinley	Kulpmont
20	M. & W. Coal Co. DM	William H. Brennan	Mt. Carmel
21	M. & W. Coal Co. @	Francis Wanniski	Pottsville, R.D.2
21	M. & W. Coal Co. @	Kenneth Wolfgang	Donaldson
11	Macarelli Coal Co. DM	Matthew Macarelli	Wilkes-Barre
17	Mace Coal Co. @	Russell Mace	Shamokin
17	Machesic & Crissinger Coal Co. @	Adam M. Machesic	Trevorton
30	Madenford Coal Co. DM	George Madenford	Joliett
27	Makarczyk Brothers Partnership @	Joseph Makarczyk	Shenandoah
26	Maksimik Coal Co. bk	Stanley Maksimik	Shenandoah



District	Operator	General Manager	Address
27	Malho Coal Co. BP DM	Anthony Malho	Lavelle
18-19-21-30	Manbeck Dredging Co., Inc. W bk	Kenneth Heiser	Schuykill Haven
21	Manue, John Jr. S	John Manue, Jr.	Pottsville, R.D.1
23	Maple Coal Co. @	Thomas Kulbacki	Excelsior
21	Maple Spring Coal Co. BP	Joseph Pillus	Branchdale
12	Marchuk & Sons Coal Co. @	Steve Marchuk	Nerberton
15	Marko Coal Co. @	Joseph Markosky	Shenandoah
18	Markosky & Ponzurick Coal Co. @	Joseph Markosky	Zion Grove
17	Marquette Coal Co. @	Darwin H. Marquette	Shamokin
22	Mars Ridge Coal Co. @	Frank Puza	Shamokin
18	Mar Strip & Excavating Co. bk	Joseph Mariner	Tamaqua, R.D.2
1	Matisko Coal Co. W bk	John Matisko	Lake Ariel
26	Matrishin Coal Co. @	Joseph Matrishin	Barnesville
23-29	Mattis Coal Co. @	Frank Mattis	Shamokin
21	Matz Brothers Coal Co. @	Harry Matz	Pottsville
28	Maurer Mine, Paul DM	Paul Maurer	Shamokin
12	Mauser Coal Co. @	Albert Mauser	Elizabethville, R.D.
23	Mayton Bros. Coal Co. @	Joseph Mayton	Shamokin, R.D.2
26	Mazaika Bros. Coal Co. BP	Edward Mazaika	Tamaqua, R.D.2
1	Mazzoni Coal Co. DM	Delmo Mazzoni	Peckville
12	Meadowbrook Coal Co. BP W bk	Leslie Kimmel	Tower City
15	Meadow Coal & Excavating Co. S	Andrew Brazzo	Beaver Meadow
11	Meg Coal Co. S	Ross Gelso	Wyoming
27	Mercury Coal Co. DM	Lewis Ebert	Tremont
15	Merola Coal Co. @	Joseph Merola	Pardeesville
25	Mervine & Sabatine Coal Co. @	Palmer Mervine	Ashland, R.D.1
27	Metzinger Coal Co. DM	Donald Metzinger	Lavelle
27	Mickey Coal Co. @	Joseph Mickatavage	Ashland
1	Micklick Coal Co. @	Steve Micklick	Jessup
1	Mid-Valley Coal Co. DM	Anthony Matrone	Old Forge
22-29	Miller Coal Co. @	John Miller	Mt. Carmel
27	Miller Coal Co. DM	Daniel Miller	Hegins
21	Minchoff Coal Co. @	Philip Minchoff	Port Carbon
17	Minel Incorporated S	Stanley S. Korenkiewicz	Shamokin
21	Minersville Coal Co., Inc. BP	Leo Strenkoski	Minersville
11	Mitchell Mining Coal Co. DM	Joseph Mitchell	Dickson City
3	Moffat Coal Co., Inc. DM S	Earl W. Lamb	Scranton
3	Monroe Co., Inc. W bk	David F. Bressler	Scranton
21	Montrose Coal Co. DM @	William Brennan	Minersville
28	Moore Coal Co. @	James Moore	Gowen City
17	Moore Coal Co. @	Claude A. Moore	Shamokin, R.D.2
20-22	Morack Coal Co. @	John Morack	Mt. Carmel
26	Moran & Co. @	David Moran	Barnesville
12	Morgan Coal Co. @	Ira Morgan	Valley View
27	Mosolino Contracting Co. W bk	Mack Mosolino	Gordon
29	Motto Partnership @	Frank J. Motto	Excelsior
18	Mountain Side Coal Co. BP	Roy Habel	Tamaqua
3	Mountain Slope Coal Co. DM	Luke Keating	Old Forge
25	Mountain Top Coal Co. @	William Vesay	Minersville
15	McAdoo Coal Mining @	Gene Pinter	McAdoo
29	McBab Coal Co. @	William Klokis	Shamokin
22	McDonald, Joe S	Joseph McDonald	Girardville
17	N. & L. Coal Co. @	Anthony J. Novrocki	Paxinos
20	N. & M. Coal Co. @	Victor Nestico	Kulpmont
12	N. N. & K. Coal Co. @	Charles Kukuk	Hegins
29	N. & S. Coal Co. @	John R. Nye	Shamokin
29	Nahodil Coal Co. @	Russell Nahodil	Shamokin
29	National Mining Co. DM	Vincent Varano	Shamokin
27	Neumeister's Coal Co. DM	Warren Neumeister	Ashland
16	Ney & Lehman Coal Co. DM	Carl Ney	Valley View
29	Nork Coal Co. @	John Kuzmick, Jr.	Shamokin
24	North Line Coal Co. S	C. Wayne Troxell	Shamokin
17	North Side Coal Co. @	John Fedako	Ashland, R.D.1
1	Northwest Mining Co., Inc. BP S bk DM	Thomas J. Gillen, Jr.	Carbondale
19	Noyalas Coal Co. @	Edward Noyalas	Frackville
28	No. 1 Vein Coal Mine DM	Raymond Keefer	Shamokin
12	No. 4 Coal Co. DM	Frank Lucas	Hegins
20	O. & M. Coal Co. @	Vincent O'Neil	Ashland
21	O. & W. Coal Co. @	Charles Oshman	Ashland
29	O. & Y. Coal Co. @	Patrick O'Toole	Ranshaw
25	Oakwood Coal Co., Inc. BP	David Deaven	Pine Grove

District	Operator	General Manager	Address
1	O'Connell Trucking Co. bk	Chester O'Connell	Honesdale
20	Olbrish Coal Co. @	Edward Olbrish	Kulpmont
21	Old Mill Coal Yard BP	Raymond Stein	Llewellyn
21	Olenick Coal Co. @	John Olenick	Pottsville, R.D.1
21	Olenick Bros. Coal Co. BP	Nicholas Olenick	Minersville
18	Olesky Coal Co. @	Vincent Olesky	New Philadelphia
11	Oliver, James & Albert S	James Oliver	Pittston
26	Olman Coal Co. @	Vincent Olman	McAdoo
19	Orchard Coal Co. @	William Reppy	St. Clair
30	Orbit Coal Co. DM	Thomas E. Daubert	Fine Grove, R.D.2
3	O'Toole, John F. S B	John F. O'Toole	Scranton
21	Otto M. Coal Co. DM	Donald Scheib	Hegins
12	P. & C. Coal Co. @	Andrew Perseponko	Williamstown
19	P. & D. Coal Co. bk	Thomas Donald	New Philadelphia
19	P. & D. Coal Co. @	Joseph Peck	Pottsville
18	P. & D. Coal Co. @	Joseph Dalvet	Middleport
19	P. H. & K. Partnership @	Joseph Pitel	Pottsville
22	P. & M. Coal Co. bk	Vincent Pitingolo	Mt. Carmel
29	P. & M. Coal Co. @	John Poploski	Shamokin
29	P. M. P. Coal Co. @	Peter Olesnevich	Shamokin
21	P. & P. Coal Co. @	Walter Fewar	Pottsville, R.D.2
23	P. & R. Coal Co. @	Joseph Tutkowski	Sagon
12	P. & S. Coal Co. @	Charles Schaeffer	Williamstown
24	P. & S. Coal Co. @	George Shumock	Shamokin
12	P. & W. V. Coal Co. R	George Fronk	Valley View
23	Pahira & Niel S	John Pahira	Ashland
19	Palerino Coal Co. @	Joseph Palerino	Pottsville, R.D.3
20	Palmer Coal Co. @	John Palmer	Shamokin
16	Parkway Anthracite, Inc. DM	William L. Jones	Pottsville
19	Partnership Coal Co. @	Joseph Markowski	Port Carbon
1	Pasternak Bros. S	John Pasternak	Taylor
20	Paul Coal Co. @	William Paul	Kulpmont
19	Peach Mt. Partnership @	Charles Steranko	Pottsville
20	Peacock Coal Co. @	Leonard Luta	Atlas
19	Peck Coal Co. @	Joseph Peck	Pottsville
25	Penag Coal Co. B DM	Edward V. Twigg	Shamokin
1	Penbrook Coal Co. BP bk	Richard Fabbri	Archbald
3-11	Penn Can Coal Co. B bk S	Patrick J. Walsh	Old Forge
1	Pennsylvania Coal Co. M	Joseph Martin	Dummore
1	Perry Coal Sales Co., Thomas bk	Thomas Perry	Scranton
29	Petrovich Coal Co. @	Stanley Petrovich	Kulpmont
17	Phillips Coal Co. DM	Lewis H. Phillips	Shamokin
12-18	Phoenix Contracting Co. S bk @	William L. Jones	Pottsville
1	Pientack Coal Co. DM	Henry Pientack	Archbald
12	Pine Creek Coal Co. BP	Ronald Klinger	Spring Glen
29	Pine Line Coal Co. @	Harry Wallick	Shamokin
27	Pine Ridge Mining Co., Inc. BP bk	Paul Kerrigan	Ashland
17	Pine Tree Coal Co. @	Blair E. Deibler	Shamokin, R.D.1
1	Pioneer Excavating Co. S	Santo Talerico	Carbondale
19	Pitel Coal Co. @	Joseph Pitel	Pottsville
26	Pleasant Hill Coal Co. DM	Peter Smulligan	Mahanoy City
29	Pleasant View Coal Co. @	Bernard Pincoski	Shamokin
20-22	Polcovich Coal Co. @	John Polcovich	Centralla
1	Pompey Coal Co. B	Charles Pompey	Jessup
20	Poponiak Bros. Coal Co. @	John Poponiak	Keiser
3	Popple Coal Sales, Raymond bk	Raymond Popple	Pittston
19	Port Coal Co. @	Edward Cooper	St. Clair
25-30	Potts Co., Allen BP S	Allen Potts	Fine Grove
18-19-21	Pottsville Anthracite & Cinder Corp. S	Frank Valent	Pottsville
29	Power Coal Co. @	Robert Naylor	Shamokin
20	Prim Coal Co. @	Edward Gober	Shenandoah
29	Primrose Coal Co. @	T. Lloyd Dunkin	Shamokin
20	Primrose Coal Co. @	Albert Snyder	Shamokin
29	Primrose Coal Co. @	Stanley Kovaleski	Shamokin
21	Princeton Coal Co., Inc. S	Stephen Diviaio	Orwigsburg
24	R-B Mining Co. @	Robert Bixler	Shamokin
20	R. B. F. Coal Co. bk	Robert Fanella	Mt. Carmel
12	R. & D. Coal Co. @	Ray Lucas	Williamstown
30	R. & F. Coal Co. @	Harold L. Reidler	Donaldson
24	RAG Coal Co. @	Samuel Rumberger	Shamokin

District	Operator	General Manager	Address
18	R. G. & C. Coal Co. @	John Roman	New Philadelphia
30	R. & J. Coal Co. DM	Mark Minnich	Pine Grove, R.D.1
29	R. & J. Coal Co. @	Henry Ficek	Ranshaw
16	R. & K. Coal Co. DM	George Rigdosh	Wiconisco
12	R. K. W. Coal Co. @	Bryant Klinger	Lykens, R.D.
19	R. & L. Partnership @	Wilbert Reber	Pottsville, R.D.3
20	H. & L. Coal Co. @	Francis Revenis	Centralia
2-3	R. O. & Y. Coal Co. @	George Reidmiller	Excelsior
18	H. & R. Coal Co. bk	Ronnie Rojnick	Jim Thorpe
12	R. & S. Coal Co. DM	Frank Sinko	Shamokin
22	R. & W. Coal Co. @	William Weir	Ashland
30	R. & Z. Coal Co. @	Joseph Zurat	Pine Grove, R.D.3
15-20-29	Racho, George bk	George Racho	Hazleton
17	Rackowski Coal Co. @	Albert Rackowski	Shamokin
23	Ramph Brothers Coal Co. @	Melvin Ramph	Excelsior
24	Ranshaw Contractors & Wreckers bk	Leonard Chapleski	Ranshaw
11	Ratchford & Son BP S	Emory Ratchford	West Nanticoke
17-19-21	Reading Anthracite Co., BP W S bk DM	John W. Rich	Pottsville
23-26-27	Rebuck Coal Co. @	Donald R. Rebuck	Dornsife
17	Red Coal Co., The @	Louis Moyer	Ashland
22	Redd, Jr., & Co., Joseph @	Joseph Redd	Kulpmont
23	Reed Mining Co. @	John M. Reed	Shamokin
17	Reichwein & Beury Coal Co. BP	Harold Reichwein	Ashland, R.D.1
27	Reidinger Coal Sales, Inc. BP bk	Joseph Reidinger	Paxinos
20-24	Reidinger Coal Mining Co. DM @	Victor Reidinger	Paxinos
24	Reiseg Coal Co. DM	Luther Reiseg	Barnesville
18	Reiseg Coal Co. DM	Guy Recla	Port Carbon
21	Rekla Coal Co. DM @	Arthur Coulson	Pottsville
19	Renninger Partnership @	Ted Renninger	Zerbe
25-30	Renninger Coal Co., Inc. DM	Thomas Rickert, Sr.	Tower City
21	Rickert Brothers Coal Co. @	Michael Rick	Kulpmont
20	Rick Coal Co. bk	Richard B. Ryon	Pottsville
19	Ridge Stripping Co., Inc. S	Melvin T. Kerstetter	Shamokin, R.D.2
17	Rocky Mountain Coal Co. @	James Guisbert	Paxinos
29	Rocky Side Coal Co. @	Frank Rodziewicz	Shamokin
24	Rodziewicz Brothers @	Thomas Green	Frackville
18	Romanosky Partnership @	Michael Beggin	Jessup
1	Romke Coal Co. @	Clyde Tonkin	Wilkes-Barre
11	Rosenn, Harold, Trustee S	Evaldo J. Rosini	Shamokin
17-24	Rosini Coal Co. BP S	Arthur Rowe	Loyalton
12	Rowe Coal Co. @	Earl Richland	Ashland
21	Runn Coal Co. @	Joseph H. Brosius	Shamokin
20	Rust Coal Co. @	Edward Sorokach	Minersville
21	S. & B. Coal Co. @	Frank Souhack	Trenton
15	S. & D. Coal Co. @	Anthony Sabitsky	Pottsville 2
25	S. & F. Coal Co. DM	Jole Strousser	Shamokin
29	S. & H. Coal Co. @	John Shirvinski	Excelsior
23	S. & J. Coal Co. @	Frank Santai	Marlin
19	S. K. & S. Partnership @	Matthew Strike	Mt. Carmel
28	S. & M. Coal Co. @	Anthony Sardo	Throop
1	S. & M. Coal Co. @	Patrick McGovern	Branchdale
21	S. & M. Coal Co. @	John Stasiowski	Ashland
22	S. & M. Coal Co. @	John Simodejka	Minersville
27	S. & M. Coal Co. DM	Leonard Shultz	Excelsior
23	S. M. T. Coal Co. @	Joseph Sheptock	Kulpmont
20	S. & N. Coal Co. @	Walter Sherkness	Mahanoy City
27	S. & S. Coal Co. @	Lloyd Stutzman	Valley View
16	S. & S. Coal Co. DM	Charles Scherfeld	Buck Mountain
26	S. S. & H. Coal Co. @	James Schoffstall	Tremont
25	S. S. M. Coal Co. @	Donald Batz	Pine Grove, R.D.1
30	S. S. S. B. Coal Co. @	C. Leonard Williamson	Valley View
30	S. & W. Coal Co. DM	Cletus Smith, Jr.	Mahanoy City
18	S. & W. Coal Co. @	Joseph H. Brosius	Shamokin
20	Sagon Coal Co. DM	John Salada	Tower City
12	Salada Coal Co. DM	James T. Harvey	Minersville
21	Salem Coal Co. @	Harry Salic	Williamstown
12	Salic Coal Co. @	Arnold Biscontini	Kingston
13	San Mining Corp., Inc. DM	Alonso Sanchez	Centralia
22	Sanchez Construction Co. S	Walter Anacavage	Excelsior
23	Sanders Coal Co. @	Thomas George, Jr.	Freeland
15	Sandy Run Miners & Producers, Inc. BP S		

District	Operator	General Manager	Address
16	Savidge Coal Co. @	Wilmer Savidge	Hegins
27	Sapphire Coal Co. @	Ray Maurer	Heefenstein
20-23	Savitski Bros. Coal Sales BP S	Joseph Savitski	Atlas
21	Scheib Coal Co. @	Michael Scheib	Tremont
30	Scheib & Shade Coal Co. @	Donald Scheib	Spring Glen
30	Schell Bros. Coal Co. @	Stewart Schell	Reinerton
25	Schneck Coal Co., Thomas W. BP	Thomas Schneck	Pine Grove
18-27	Schock, Norman C., Contractor S	Norman Schock	Tuscarora
21	Schuykill Contracting Co. S bk	Frank Ryan	Pottsville, R.D.2
27	Schwartzlander Coal Co. DM @	Jacob Schwartzlander	Tremont
11	Scranton Excavating Co. S	Rocco Domiano	Old Forge
21	Seanawaitis Brothers Coal Co. DM	Anthony Seanawaitis	Minersville
11	Sebastopol Coal Co. BP bk	Anthony Giarratano	Pittston
20	Sejuit & Wisneskie Coal Co. @	John Sejuit	Kulpmont
26	Seltzer Coal Co. BP	Frank Seltzer	Frackville
16	Shade Coal Co. DM	Alvin Shade	Valley View
12	Shade, John A. S	John A. Shade	Valley View
30	Shade Coal Co. @	Mark Shade	Hegins
29	Shady Side Coal Co. @	Darwin Maurer	Shamokin
25	Shally Construction Co. S	Steve Shallamanda	Ashland, R.D.1
25	Sharp Mountain Coal Co. @	Tony Donofrio	Pine Grove 1
15	Shanandoah Coal Co. @	Leo Slominsky	Shanandoah
29	Shervinski & Jennis Coal Co. @	Stanley Shervinski	Shamokin
20	Shoffler Coal Co. @	Allen Shoffler	Keiser
12	Shomper Coal Co. BP @	Russell Shomper	Williamstown
12	Short Mountain Coal Co. DM	Mark Reed	Spring Glen
20	Shuey & Morgan Coal Co. DM	Lawrence Shuey	Hegins
16	Shuey Coal Co. DM	John Ebert	Hegins
18	Silver Creek Coal Co., Inc. BP	M. J. Herbert	New Philadelphia
19	Silver Creek Coal Co. @	Donald Ney	Cumbola
21	Siminitus Coal Co. @	Edward Siminitus	Pottsville, R.D.1
26	Simoes & Co. @	Manuel Simoes	Mahanoy City
22	Skidmore Coal, Inc. DM	William Gilbert	Centralia
18	Skripnek Coal Co. @	Daniel Skripnek	Tamaqua
19	Skrobak & Gaul Coal Co. @	Adam Skrobak	Pottsville, R.D.3
26	Skytop Coal Co. BP	J. D. Perrira	Mahanoy City
1	Slenska Coal Co. S	Michael Slenska	Mayfield
26	Sluck Coal Co. @	Joseph Sluck	Gilberton
12	Smeltz Coal Co. @	Clarence Smeltz	Dornsife, R.D.
18	Smith Coal Co. @	John A. Smith	Ringtown
27	Smith Coal Co. DM	Louis Smith	Locust Gap
18	Smith Coal Co. DM	Herbert Smith	Delano
12	Snyder Coal Co. @	Robert Snyder	Spring Glen
23	Snyder Coal Co. @	Albert Snyder	Sagon
21	Sorokach Coal Co. @	Edward Sorokach	Minersville
29	Soroka Coal Co. @	John Soroka	Excelsior
26	Souhack Coal Co. @	Frank Souhack, Jr.	Trenton
28	South Mountain Coal Co. DM @	Ira Wilkinson	Trevorton
18	South River Coal Co. S	William Brazzo	Brockton
21-27	South River Coal Co., Inc. S	Eugene Williams	Brockton
18	South Tamaqua Coal Pockets BP	Donald Warne	Tamaqua
30	Spancake & Herring Coal Co. DM	Milton Spancake	Pine Grove, R.D.2
22-23-24-28	Split Vein Coal Co. BP DM @	Elwood Swank	Paxinos
18	Spring Creek Coal Co. BP	Lawrence Bechtel	Tamaqua, R.D.3
17	Springfield Coal Co. @	Stanley S. Korenkiewicz	Shamokin
30	Stahl & Shade Coal Co. DM	John Stahl	Valley View
29	Star Coal Co. @	Bernard Pincoski	Shamokin
29	Stark Coal Co. @	David Stark	Kulpmont
26	Starwood Coal Corp. BP	Alfred Peca	Mahanoy City
20	State Coal Co., Inc. BP bk	C. Robert Chervanik	Shamokin
24	Steam Coals, Inc. BP	C. Wayne Troxell	Shamokin
28	Stellar Brothers Coal Co. @	Bernard Stellar	Kulpmont
18	Stiendel Equipment Co. bk	Ralph Stiendel	Scranton
12	Stonemill Coal Co. BP	Eugene Hassinger	Loyalton
12	Strohecker Coal Breaker BP	Joel Strohecker	Elizabethville
12	Stroup Coal Co. @	Clarence Stroup	Dalmatia, R.D.
21	Studlack Partnership @	George Studlack	Minersville
30	Stump Coal Co., F. B. @	Frank B. Stump	Pine Grove, R.D.2
16	Superior Coal Co. BP	Roy Blyler	Valley View
1	Sturgis Coal Co. @	Joseph Kryzanowski	Taylor
26	Styka Bros. Coal Co. @	Edward Styka	Barnesville
11	Sullivan Trail Coal Co. M	Frank Moran	West Pittston



164	District	Operator	General Manager	Address
	28	Sun Coal @	Dominic Fabrizio	Shamokin
	29	Sunnyside Coal Co. @	Darwin Maurer	Shamokin
	28	Sunshine Coal Co. BP	Ralph H. Steinhart	Trevorton
	11-14			
	20-23-24	Susquehanna Coal Co. DM S BP	William Moore	Nanticoke
		Swamp Coal Co. @	Joseph Yatske	Mt. Carmel
	30	Swartzlander & Sons Coal Co. @	Ralph Swartzlander	Joliet
	25-27	Swatara Coal Co. BP S	William Pryce Parker	Minersville
	24	Swift Coal Co. BP	Adam Swift	Shamokin
	29	T. & G. Coal Co. @	David Taylor	Shamokin
	29	T. & H. Coal Co. @	Leo Timko	Shamokin
	20	T. & J. Coal Co. @	Thomas Palembas	Mt. Carmel
	17	Taglieri Coal Co. @	Harry A. Taglieri	West Wyoming
	11	Talamelli Coal Co. DM	Vellio Talamelli	Frackville
	30	Talbot Realty Co., Inc. S	Paul Kerrigan	Pardeesville
	15	Tedesco Bros. Coal Co. BP	Frank Tedesco	Pottsville
	30	Tessco Coal Co. DM	Leonard Contarino	Shamokin
	20	"THE" Coal Co. @	Oscar Wallick	Shamokin
	24	Thin Vein Coal Co. @	Blair Faust	Shamokin
	23-29	Thomas & Brother, W. H. B S DM	George Thomas	Shamokin
	19	Three "C" Coal Co. @	Bernard Cooper	Port Carbon
	19	Three Par Coal @	Bernard Cooper	Port Carbon
	18	Three Star Coal Co. @	Michael Ames	Brockton
	27	Tokarchek Coal Co. @	Michael Tokarchek	Minersville
	25	Tremont Anthracite Co., Inc. BP	Kenneth Wolfgang	Tremont
	26	Trenton Coal Co. @	Anthony Sherkness	Mananoy City
	17	Triple S Coal Co. @	Albert J. Shinskie	Shamokin
	12	Trio Coal Co. @	Alvin Morgan	Williamstown
	21	Tomalavage Coal Co. @	Charles Tomalavage, Sr.	Middleport
	19	Tracy Coal Co. @	Michael Dudash	Pottsville RD 3
	29	Trevorton Coal Co. @	Charles Renninger	Trevorton
	21	Tropp, L. & J. S	Lawrence Tropp	Pottsville, R.D.2
	1	Turnpike Coal Co. S	John Vitali	Dunmore
	28	Twin Oaks Coal Co. @	Albert Shepley	Shamokin, R.D.1
	29	Unique Coal Co. S	Millard Long	Kulpmont
	12	Underkoffler Coal Co. @	Glen Underkoffler	Williamstown
	12	Underkoffler Coal Service BP	Hershel Underkoffler	Lykens
	19	V. L. & P. Coal Co. @	Chester Vockie	St. Clair
	11	V-R Coal Corp. DM	Albert Biscontini	Kingston
	26	Valley Coal Co. BP	Stanley Lech	Tamaqua, R.D.2
	24	Valley Coal Co. @	Leonard Rupp	Pitman
	12	Valley Construction Co. DM	George Frank	Valley View
	1	Village Slope Coal Co. DM	Louis Coccodrelli	Jessup
	22	Vinskie & Hendrick Coal Co. @	Anthony Vinskie	Ashland
	25	Viola Coal Co., Victor @	Victor Viola	Pottsville 2
	1	Virby Coal Co. @	George Virbitsky	Mayfield
	28	W. & S. Coal Co. @	Donald Rebeck	Dornsife, R.D.1
	29	W. & S. Coal Co. @	John Wright	Shamokin
	30	W. & U. Coal Co. DM	Allen Umbenhauer	Pine Grove, R.D.1
	29	W. & W. Coal Co. @	Frank Wilk	Shamokin
	1	Waddell Coal Mining Co., Inc. W	Peter Brojak, Sr.	Archbald
	19	Wade Coal Co. @	Adam Skrobak	Pottsville
	26	Wadleigh Coal Co. @	Frank Mucha	Frackville
	27	Walaitis Coal Co. DM	John Walaitis, Sr.	Frackville
	26	Walinchus Contracting Co. DM	William Walinchus	Mananoy City
	19	Walton, John BP	John Walton	Pottsville
	29	Warren Coal Co. @	Lawrence Warren	Shamokin
	27	Watcher Coal Co. @	Michael Watcher	Ilwellyn
	25	Weihrauch's Frank @	Frank Weihrauch	Lebanon
	26	Wessner Coal Co. BP	William J. Wessner	Tamaqua, R.D.2
	28	West Cameron Coal Co. DM	Albert Minker	Shamokin
	29	West Point Coal Co. @	Joseph Petrovich	Shamokin
	21	West West Coal Co., Inc. DM	Leo Strenkoski	Minersville
	11	Western Mining Corp. DM	Bruno Ferretti	West Pittston
	21	Westwood Coal Co. DM	Charles Martin	Pottsville, R.D.1
	18	Whippoorwill Coal Co. DM	Joseph Tarconish	Middleport
	27	White Birch Coal Co. DM	Neil Delance	Shanandoah
	23	White & Co. @	Leon Seik	Ranshaw
	12	White's Vein Coal Co. DM	Clayton Shade	Sacramento
	26	Whytko Coal Co. @	Robert Whytko	McAdoo
	16	Wiest Coal Co. DM	Stanley Wiest	Herdon, R.D.1
	21	Williams Coal Co., Elmer DM	Elmer Williams	Ashland, R.D.1
	18	Williams Partnership @	Evan Williams	New Philadelphia

	District	Operator	General Manager	Address	165
	16	Williamson Coal Co., A. R. DM	A. R. Williamson	Valley View	
	29	Windsor Coal Co. @	Charles Malevak	Shamokin	
	21	Winnie Land Co., Inc. W	Frank Ryan	Pottsville	
	21	Wiscount Trucking Co. bk	Francis Wiscount	Tremont	
	23	Witkoski Coal Co. @	Adolph Witkoski	Kulpmont	
	30	Witmer & Herb Coal Co. @	Dale Herb	Donaldson	
	15	Wittig & Chucot Coal Co. @	Michael Chucot	Hazleton	
	12	Wolfe Coal Co. @	William Wolfe	Williamstown	
	21	Woodside Mining Co. @	John Olenick	Pottsville, R.D.1	
	25	Woratyla & Gregonis Co. DM	Andrew Woratyla	Branchdale	
	21	Wyda Brothers bk	Michael Wyde	St. Clair	
	29	Y. & O. Coal Co. @	Joseph Yankoski	Shamokin	
	29	Y. & R. Coal Co. @	Joseph Yankoski	Shamokin	
	20	Yakim Coal Co. @	Russell Yakim	Keiser	
	23	Yanik Bros. @	Joseph Yanik	Excelsior	
	19	Yeneshosky Coal Co. @	Edward Yeneshosky	New Philadelphia	
	18	Yob Coal Co. DM	Leo Yob	Schuykill Haven, R.D.1	
	20	Yost Coal Co. @	Edward Yost	Mt. Carmel	
	24	Yudacufski Brothers bk	Isadore Yudacufski	Frackville	
	29	Yuhas Coal Co. @	John Yuhas	Sunbury	
	30	Z. & B. Coal Co. @	John A. Zimmerman	Pine Grove, R.D.3	
	12	Z. & R. Coal Co. @	Michael Zurat	Orwin	
	18	Zakrewsky Coal Co. DM	Peter Zakrewsky	Park Crest	
	23	Zanella Brothers DM	John Zanella	Mt. Carmel	
	23	Zegarski Coal Co. @	Albert Zegarski	Excelsior	
	17	Zerco Coal Co. DM	Charles J. Grecco	Kulpmont	
	30	Zimmerman Coal Co., Marlin DM	Marlin Zimmerman	Ravine	
	20	Zlocki Coal Co. @	Leonard Zlocki	Keiser	
	21	Zukowski Coal Co. @	Joseph Zukowski	Minersville	
	22	Zukus Coal Co. @	Charles Zukus	Mt. Carmel	

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NOTE: DM - Denotes Deep Mines Employing Five (5) or More Persons.  
 @ - Denotes Deep Mines Employing Fewer Than Five (5) Persons.  
 S - Denotes Strip Mine Operations.  
 B - Denotes Breakers.  
 BP - Denotes Breaker Preparation Only.  
 M - Denotes Maintenance.  
 R - Denotes Coal Ramps.  
 bk - Denotes Bank Operations.  
 W - Denotes Washery.

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