

Commonwealth of Pennsylvania
Department of Mines



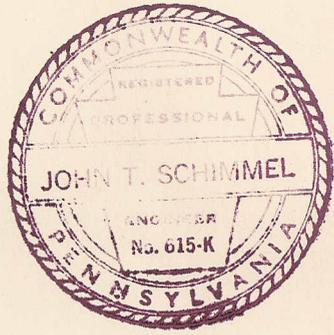
Anthracite Division
Annual Report
1953

Harrisburg, Pennsylvania

Walter R. Eaton

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JOHN T. SCHIMMEL



Commonwealth of Pennsylvania
Department of Mines



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William J. Clements
Secretary of Mines

Gordon E. Smith
Deputy Secy., Anthracite Div.

W. Garfield Thomas
Deputy Secy., Bituminous Div.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF MINES
HARRISBURG

WILLIAM J. CLEMENTS
THE SECRETARY

May 1, 1954

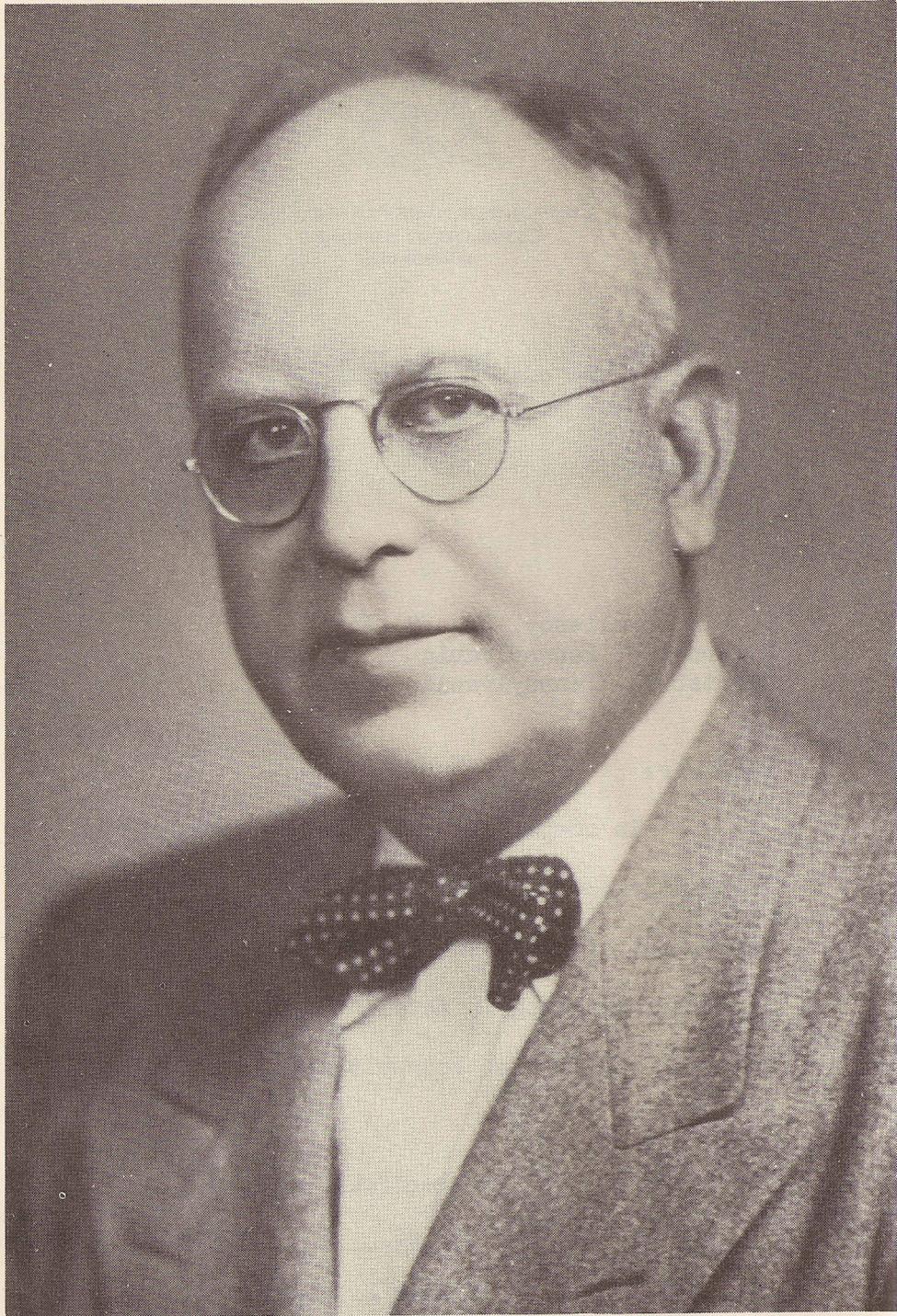
To His Excellency, John S. Fine
Governor of Pennsylvania
Harrisburg, Pennsylvania

Dear Sir:

In compliance with the Act of April 14,
1903, I transmit herewith the report of the
Department of Mines for the year ending December
31, 1953, covering in detail the operations in the
Anthracite Region of Pennsylvania.

Respectfully submitted,

William J. Clements
Secretary of Mines



JOHN S. FINE
Governor of Pennsylvania

We are proud to include in this report a photograph of Governor John S. Fine, with a biographical sketch. Being born and reared in the Anthracite Region, he has been in close touch with the industry all of his life. He has a deep feeling and interest in the welfare of mining men.

Governor Fine was born on April 10, 1893, in Alden, near Nanticoke, Luzerne County Pennsylvania. He is a son of the late Jacob W. and Margaret Croop Fine. He married Helene Pennebecker Morgan December 5, 1939. (Deceased April 23, 1951). Two sons; John S. Fine, Jr. and Donald Franklin Fine.

He graduated from Nanticoke High School in 1911; Dickinson School of Law, Carlisle, Pa., with LLB Degree in 1914; attended the Trinity College of the University of Dublin, Ireland, in 1915.

In 1951, Honorary Degrees (LLD) were conferred upon him by Dickinson College; Lafayette College; University of Pennsylvania and Temple University. In 1952, Hahnemann Medical College (LLD). He was admitted to the Luzerne County Bar in March 1915; to the Superior Court in 1915; and to the Supreme Court in 1917.

In 1917 he entered Military Service of the United States. Upon being honorably discharged in August 1919, after overseas service as Sergeant in the 23rd Engineers, U. S. A., he resumed the practice of law. He was appointed Judge of the Court of Common Pleas of Luzerne County in January 3, 1927; was elected to a full term of ten years in November 1927, and reelected for a term of ten years. He was appointed Judge of the Superior Court of Pennsylvania on June 17, 1941. Resigned Judgeship to seek Republican nomination for Governor.

Political Offices held by the Governor were, Republican District Chairman for the Fourth Legislative District of Luzerne County (1916 - 1920); Secretary of Republican County Committee of Luzerne County (1920 - 1922); Republican County Chairman of Luzerne County (1922 - 1923); Republican Alternate Delegate to National Republican Convention (1920); and Delegate-at-Large to Republican National Convention (1936) and (1952).

He is a member Wilkes-Barre Law and Library Association, (Luzerne County Bar Association); Member, Pennsylvania Bar Association; Member, American Bar Association; Member, Committee on National Defense of Pennsylvania, Bar Association; Member, State Advisory Council of Pennsylvania Committee on Penal Affairs of the Public Charities Association; Past President, Dickinson Alumni Association of Northeastern Pennsylvania; Member of all Masonic Bodies.

He is Vice-President of Pennsylvania Council of Churches, and is Senior Warden of St. George's Episcopal Church, Nanticoke, Pennsylvania, since 1930.



William J. Clements
Secretary of Mines

The Honorable William J. Clements, known affectionately throughout the Anthracite Region as "Billy", first saw the light of day in Girardville, Schuylkill County, Pennsylvania. A coal miner by heritage, he made coal mining his business, and step by step climbed to his present status.

When he was ten years of age his parents, William and Maria Clements, moved to Coaldale, the Panther Creek Community he still proudly calls home.

Coaldale is justly proud of "Billy", where he is known and loved by labor and industry, laymen and clergy, for his profound knowledge of mining, safety work in the mines, civic leadership, and devotion to his church. His good deeds and civic improvements will long be remembered.

He attended the public schools of Coaldale until he was 14, then began his mining career. His first job was door-tender in the Rahn No. 11 Mine of the Lehigh Navigation Coal Company. He progressed through various jobs, as is the custom of the region. He became, successively, loader boss, miner, assistant foreman, level foreman, and, at the age of 31, inside foreman at the large Lansford No. 6 Mine.

In 1926 he was appointed Anthracite Mine Inspector, a position which he filled ably and faithfully until January 31, 1952, at which time Governor John S. Fine appointed him Field Deputy Secretary of Mines for Anthracite, with offices in Pottsville, Pennsylvania.

On January 1, 1953, Governor John S. Fine elevated Mr. Clements to Cabinet rank, as Secretary of Mines for the Commonwealth. In this position he is also Chairman of the Anthracite Emergency Committee, and a member of the Board of Trustees of Pennsylvania State College.

Mr. Clements is also Chairman of the Lansford-Coaldale Joint Water Authority, a director of the First National Bank of Coaldale, and a trustee of Coaldale State Hospital. His church is the First Congregational, of which he is a trustee. He has served his community well as Councilman and as a member of the Board of Education, and will long be remembered for his leadership in the paving of Coaldale's streets. He is a member of the Free and Accepted Masons, Panther Valley Lodge No. 177.

His wife, the former Margaret Jones of Coaldale, died in March, 1943. Their only child, Verna, died in 1930 at the age of twenty.

"KNOW YOUR DEPARTMENT OF MINES", is a subject that should be of great interest to every person who is, in any way, connected with the coal mining industry of Pennsylvania. It is with this thought in mind that we include in this issue of the ANNUAL REPORT photographs with brief biographical sketches of YOUR Deputy Secretaries of Mines. In view of their back-ground, training, experience, personalities and desire to serve the industry, I feel that they merit your confidence and cooperation.

William J. Clements

Secretary of Mines



GORDON E. SMITH
Field Deputy
Secretary of Mines
Anthracite Division

Mr. Gordon E. Smith, a native of Centria, Pennsylvania, started his coal mining career almost immediately upon graduating from the Mount Carmel High School in 1924.

He began in the year 1924 by working in the engineering corps with the Locust Mining Company, Shenandoah, Pa. In 1928 he was employed by the Enterprise Colliery, Northumberland Mining Company, Shamokin, Pa. as a laborer and miner. In 1932 he was promoted to Colliery Engineer, a position he retained until 1935. From 1935 until 1938 he worked as Assistant Mine Foreman with the Coxie Brothers Company, Hazleton, Pa., and was promoted to Mine Foreman in 1938, which position he held until 1940 when he was employed by the Hazle Brook Coal Company, Ashland, Pa., as superintendent.

On October 16, 1945 he received his appointment as State Inspector of Mines in the 25th Anthracite Inspection District, where he served until his appointment on January 1953, as Field Deputy Secretary of Mines for the Anthracite Region.



J. V. MCKENNA
Acting Deputy
Secretary of Mines

Mr. J. V. McKenna, spent his early life in the community of Ellsworth where his parents, the late Mr. and Mrs. John McKenna lived for many years.

In his early years he worked as a trapper boy and at other jobs in the bituminous mines.

After graduation from High School he attended the Carnegie Institute of Technology, Pittsburgh, Pa. Upon his graduation from College he was employed by the Bethlehem Steel Company's Mines Corporation at Ellsworth where he served in general work and supervising capacities.

In 1930 he received his appointment as State Inspector of Mines in the 13th Bituminous District, which position he continues to hold.

As acting Deputy Secretary of Mines, most of his time will be devoted to the Bituminous Mining Region, as he has had extensive experience there. His time will be divided between the Waynesburg and Harrisburg Offices.

He is a member and Past President of the Coal Mining Institute of America, a member and Past President of the Veterans Mine Rescue Association. He also has given technical papers on mining at meetings of the American Institute of Mining and Metallurgical Engineers Association.



W. GARFIELD THOMAS
Field Deputy
Secretary of Mines
Bituminous Division

Mr. W. Garfield Thomas was born in Audenreid, Luzerne County, Pennsylvania. He is the son of the late Mr. and Mrs. Daniel J. Thomas.

He began his coal mining career in the Anthracite Region with the engineering corps of the Susquehanna Colliery, Lykens, Pa. He then attended Bellefonte Academy and Pennsylvania State College where he received a degree in Mining Engineering in 1908.

He was employed as transitman with the Dodson Coal Company and then as transit engineer with the Lehigh Valley and Wilkes-Barre Coal Company at Plymouth, Pa. Later he was employed for a period of three years by the Pennsylvania Department of Highways.

His experience in the Bituminous Coal Region dates back to the year 1917, when he was engaged as Assistant Mining Engineer with the Ebensburg Coal Company.

Mr. Thomas, best known to his wide circle of friends as "Tommy", has been active in the Mine Inspectors Institute of America and the Coal Mining Institute of America.

He was appointed Field Deputy Secretary of Mines for the Bituminous Coal Region on December 10, 1940.

REPORT
OF THE
DEPARTMENT OF MINES

ANTHRACITE

The Anthracite Mining Laws of Pennsylvania were enacted by the legislative body and became effective June 2, 1891.

AN ACT

To provide for the health and safety of persons employed in and about the anthracite coal mines of Pennsylvania and for the protection and preservation of property connected therewith.

Amendments thereto have been made by subsequent sessions of legislature in order to meet changing conditions and mining methods. The laws, originally effective at mines or collieries employing ten(10) or more men, have been modified to provide regulatory inspections at any operation where one(1) or more persons are employed in the production or preparation of anthracite coal.

The Pennsylvania Department of Mines was created by an Act of Legislature dated April 14, 1903. It is charged with supervising the execution of the mining laws of the Commonwealth, and the care and publication of all reports specified by the Act. The Act specifically limits the powers and duties of the Department of Mines to matters pertinent to the production and preparation of coal.

The Secretary of Mines, appointed by the Governor as a cabinet member, is the executive vested with all the powers conferred by the Act, and charged with all of the duties described therein. His duties are: approve design of helmet worn by footman; approve incombustible material for use in buildings constructed inside the mine; approve insulation for trailing cables; approve safety devices on certain boilers; approve sealing abandoned mines; approve types of electric lights; approve types of locked safety lamps; approve use of Diesel power machinery in coal mines; arrange Anthracite Region into inspection districts; assign mine inspectors to their duties; close certain mines pending appeals from order to correct unsafe condition; file in Department all papers pertaining to examinations held by mine foreman's examining board; file in Department all papers pertaining to examinations held by miners' examining board; file in Department annual reports of inspectors, transmit synopsis to Governor, publish report; furnish operator with blank forms; furnish uniform blanks for monthly, special and annual reports of inspectors; grant certificates to mine foreman and assistant mine foreman, power to revoke, hearings; grant certificates to persons completing course in first-aid and mine rescue training and instruction; keep record of all work done under his administration; procure necessary supplies and equipment for mine inspectors, electrical inspectors, first-aid and mine rescue instructors; promulgate regulations for mines employing fewer than five persons; prohibit use of roof bolts in lieu of props or timber without his permission in writing; see that the mining laws are faithfully executed; seal abandoned mines in some cases. He is also

charged with the following duties in regard to strippings: determination if planting is reasonable and supervision of it; furnish operator form for annual report; furnish operator form for application for permit; furnish operator form for bond, additional, release or forfeiture; furnish operator form for completion report; prescribe regulations for coal stripping operations - power and authority to enforce; prescribe regulations for blasting therein. He is empowered to administer oaths, take affidavits, and issue subpoenas, as well as aid mine inspectors in the performance of their duties. He may suspend mine inspectors for neglect of duty, and can make examinations and investigations necessary to enable him to make reports and recommendations.

In addition, the Secretary of Mines is chairman of the Anthracite Mine Inspectors Examining Board; member of the Sanitary Water Board; member of the Governor's Safety Council; chairman of the Anthracite Committee; chairman of the Anthracite Mine Drainage Study Commission; a trustee of the Pennsylvania State University; member of the State Mining Commission; and member of the Highway Mining Commission.

PRODUCTION AND FATALITIES

During the year 1953 anthracite coal was produced in nine counties, namely Columbia, Carbon, Dauphin, Lackawanna, Lebanon, Luzerne, Northumberland, Schuylkill, and Sullivan. Anthracite production, at one hundred and sixty-one(161) preparation plants, originated from four sources as follows:

Deep Mines (309)	17,719,324 Tons
Small Mines (858)	1,654,531 Tons
Strip Mines (226)	8,883,984 Tons
Reclaimed From Banks	<u>3,892,083 Tons</u>
TOTAL	32,149,922 Tons

The industry suffered no major disasters during 1953. We did, however, have fifty-nine(59) fatalities in the major operations and four(4) at small mines employing from one(1) to four(4) men inclusive.

Fatalities At Major Operations

Falls of Roof	39	66.10%
Transportation	2	3.39%
Falling Materials	2	3.39%
Fall of Person	1	1.70%
Electricity	1	1.70%
Explosions of Gas	5	8.47%
Blasting	1	1.69%
Miscellaneous	4	6.78%
Outside (machinery, etc.)	<u>4</u>	<u>6.78%</u>
TOTAL	59	100.00%

Fatalities At Small Mines

Fall of Roof	2
Fall of Person	1
Rush of Material	<u>1</u>
TOTAL	4

MINE INSPECTION

The twenty-four(24) mine inspectors in the Anthracite Division investigated the aforementioned sixty-three(63) fatal accidents, and twenty-nine(29) cases of natural death occurring on company properties. A condensed tabulation of the activities of the inspectors is listed below:

Mine Inspections (Major Mines)	3,381
Mine Inspections (Small Mines)	765
Mine Inspections (Strip Mines)	33

During these inspections fifty-four(54) mines were closed.

In addition, inspectors participated in thirty(30) commission investigations into mining matters, as listed:

9	-	Gas Ignitions
3	-	Mine Fires
3	-	Blasting Complaints (Strip Mines)
4	-	Surface Subsidences
1	-	Roof Bolting
1	-	Rush of Water from Old Workings
3	-	Complaints by Citizens
2	-	Roof Falls
1	-	Strip Mine
1	-	Mining Methods
<u>1</u>	-	Blasting Accident

30 TOTAL

STRIP MINE INSPECTION

Three(3) strip mine inspectors made nine hundred and three(903) inspections at open pit mines employing six thousand four hundred and fifty-eight(6,458) men. In addition, blasting was supervised at many operations where ground displacement was a factor because of nearby inhabited areas. Numerous completion reports were processed, back-filling supervised, and surface land rehabilitated. Since the passage of the Strip Mine Act two hundred and fifty(250) operators have registered. There are one hundred and forty-nine(149) operators presently active in strip mining. A total of 856.42 acres have been legally restored, for which bonds have been released after planting or proper payments made in lieu of planting.

ELECTRICAL INSPECTION

The Anthracite electrical inspector examined equipment at sixty-eight(68) operations. Many miles of various types of conductors were examined, and five thousand seven hundred and thirty-nine(5,739) motors with all associated control equipment were inspected. A special duty caused twenty-one(21) inspections of eleven(11) elevators in breakers, shops, and mines. During these inspections eight hundred and fifty-three(853) corrections were ordered, and made. Thousands of feet of trailing cable were replaced, either because of wear or poor splicing, or lack of the stamp of permissibility. This inspector also participated in the work of subduing the mine fire at Scranton, Pa.

ROOF BOLTING IN AN ANTHRACITE MINE



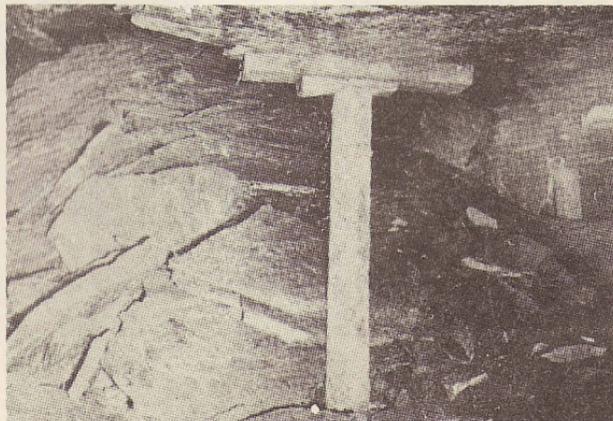
No. 1—Picture shows clearly what happened where only props and cap pieces were used to support the roof. This chamber was caved for a distance of 125 feet.



No. 2—Shows roof that had been propped and roof-bolted. Props have been removed, and roof remains intact.

A good deal has been said and done about roof-bolting, in connection with our campaign against fatal accidents due to ROOF FALLS. About two years ago, it was decided to roof-bolt a chamber in the Dunmore No. 4 Seam at the Eddy Creek Colliery, Hudson Coal Company. This seam is 5 feet thick and is overlaid with 7 inches of blackhead, 22 inches of fire clay and about 26 feet of slate to the next coal seam above.

Two parallel chambers were driven 26 feet wide for a distance of 290 feet. The chambers were connected by crosscuts. Both chambers and crosscuts were propped to support the roof. One of the chambers, as pictured, was roof-bolted. About seven weeks ago, the props were removed from the roof-bolted chamber. More than words can tell, these pictures show the value of using bolts to support the roof.



No. 3—View of crosscut driven between the two chambers. No roof bolts used here. Note extensive caving.

FIRST-AID AND MINE RESCUE TRAINING

The Anthracite Division mine rescue truck, manned by a mine rescue instructor and a first-aid instructor, was pressed into service at the mine fire in the Minooka Section of Scranton, Pa. The citizens of that area received aid and comfort from the use and availability of the equipment.

During the year the first-aid instructor participated in the training of the following industry personnel, who were certified as follows:

First Aid:

Provisional First-Aid Instructors	88
Permanent First-Aid Instructors	20
Initial First-Aid Trainees	2,886

Mine Rescue:

Provisional Mine Rescue Instructors	3
Permanent Mine Rescue Instructors	2
Initial Mine Rescue Trainees	99

The Mine Rescue Instructor was in the service of the State Council for Civil Defense, as a rescue instructor at the Ogontz Center in Philadelphia, for almost the entire year.

Although the general economic situation in the industry was such that many of our usual first-aid meets were not held, two(2) companies did hold their usual competition. All of the first-aid associations are continuing active in the hope that a business resurgence will again make funds available for local and regional meets.

ROOF CONTROL

Because falls of roof produced 66.1% of our fatalities in 1953, as against 40.2% in 1952, this killer became the Number 1 target of the Department. This increase was noticed early in the year, partly because of a reduction in accidents from other causes, and partly because of an increase in the total roof-fall fatalities.

The Secretary of Mines began a direct attack on the roof-fall problem. Educational publicity, intensified inspection, more stringent timbering rules, and disciplinary actions were tried. The results, while somewhat of an improvement, were considerably less than satisfactory. Comparison to the Bituminous Field placed the Anthracite in a somewhat unfavorable aspect in the roof-fall accident records.

The Secretary of Mines discovered that the Bituminous advantage was apparently the result of roof bolting. This method of roof support, originally viewed with some disfavor in the Anthracite, has achieved excellent results in the Bituminous, where hundreds of lineal miles of mine excavations are successfully and safely supported by roof bolts. Trial installations of roof bolting are now in progress in several anthracite mines, as permitted under Rule 12 of the General Rules. It is hoped sufficient experience will be gained by these tests, and by studies by the Department, that a broad application for this method will be developed.

MINE FIRES

For the first time in the fifty(50) years of Department of Mines history, a major fire fighting operation, conducted solely by the Department, was attempted and successfully concluded.

In the Minooka Section of the City of Scranton a fire broke out in a garbage dump in an old, abandoned strip mine. Fire was communicated to the coal seams in the high wall, buried under thousands of tons of accumulated garbage. These coal seams were worked many years ago, with underground excavations extending under the entire Minooka area.

As the coal seams burned in a southerly direction, fumes and gases permeated the dwellings through earth cracks. Residents were made ill, some even hospitalized, as the result of inhaling carbon monoxide gas.

After many attempts by city firemen to control this fire with water, the city officials decided to dig out the fire. Continuous activity from April 17, 1953, to May 21, 1953, by the city and the Moffat Coal Company, failed to eliminate the fire. From May 21, 1953, to June 26, 1953, the coal company continued to dig at the fire, with only moderate results.

During this period the Secretary of Mines maintained personal contact with the situation. The mine rescue truck, with trained personnel, was dispatched to the scene. Competent men patrolled the homes twenty-four hours a day testing for gases. Cross ventilation was induced by fans furnished and installed in cellars by the Department. Careful check on the progress of the fire was maintained.

On June 26, Governor John S. Fine came, by airplane, to the scene of the fire. A personal survey of the situation, based on his knowledge of the mining industry, impressed him with the danger to the lives and property of the citizens of the community. On his return to his offices in Harrisburg, he held a conference with the State Secretary of Mines, W. J. Clements, and other state officials, to discuss the problem. It was at this meeting that the Governor made the statement, "WE MUST NOT AND WILL NOT LEAVE ANYTHING UNDONE TO PROTECT OUR CITIZENS IN THE FIRE AREA". Governor Fine directed the Secretary of Mines to use every possible means to bring this fire under early control and extinguish it as soon as possible.

The Secretary of Mines immediately formulated plans to effectively combat this fire in the high-speed manner necessitated by the proximity of the dwellings. All necessary equipment was procured to implement a three-step plan as follows:

- (1) Drill and flush with sand a double ring of 9" holes to form a barrier against the spreading of the fire to the south and east.
- (2) Drill test holes outside the barrier to check the advance of the fire, if any, which would be indicated by high temperatures.
- (3) Remove all active fire from the area, after excavating a cut around the fire to the floor of the coal seams then burning. The purpose of this was to isolate the fire and prevent it from spreading.

Mine Fires Continued

Work was pushed twenty-four hours a day under constant supervision by Department personnel. Extreme quantities of heat, gases, dust, and odors created difficult working conditions for men and equipment. Faithful workers, who must be commended, stuck to the job to completion. A summation of the work accomplished is as follows:

Forty-five(45) well-drill holes, averaging 60 feet deep, were drilled and flushed with 995 tons of sand. Water for flushing was furnished by the City of Scranton. The city also furnished hose and police protection.

Seven(7) well-drill holes, averaging 60 feet deep, were drilled for test holes. These holes were capped and fitted with thermocouples by the United States Bureau of Mines.

The advance of the fire was stopped by the complete removal and remote disposal of 167,000 cubic yards of clay, burning garbage, rock, and coal.

Funds were made available to pay the cost of approximately \$125,000 by Act of Assembly Number 24-A, which covers costs incurred in extinguishment of fires in abandoned coal mines.

Much credit for the successful completion of this job must go to Governor John S. Fine who, for the first time in history, ordered the Secretary of Mines to take charge of the extinguishment of a mine fire and to pay the costs.

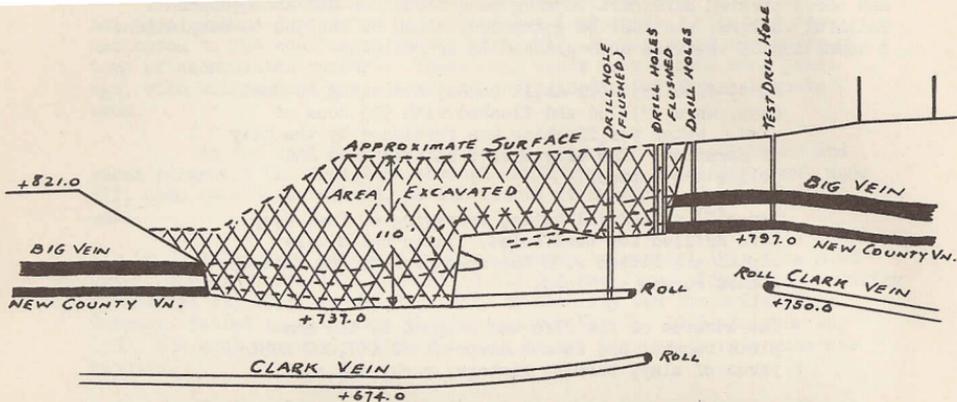
In addition to the Minooka Fire, eight(8) other fires were discovered during the year in abandoned strip pits throughout the Anthracite Region. These fires were all extinguished by swift action on the part of the landowners or tenants. All were the result of ill-advised dumping of garbage into strip pits.

It must be pointed out here that the practice of dumping refuse and garbage into strip pits, and onto mine waste dumps, will inevitably lead to fires. These fires, once started, are difficult to combat. Further, if such fires are in or under residential or business areas, personal hardships and loss of property value must ensue. Guard your community against such a hazard.

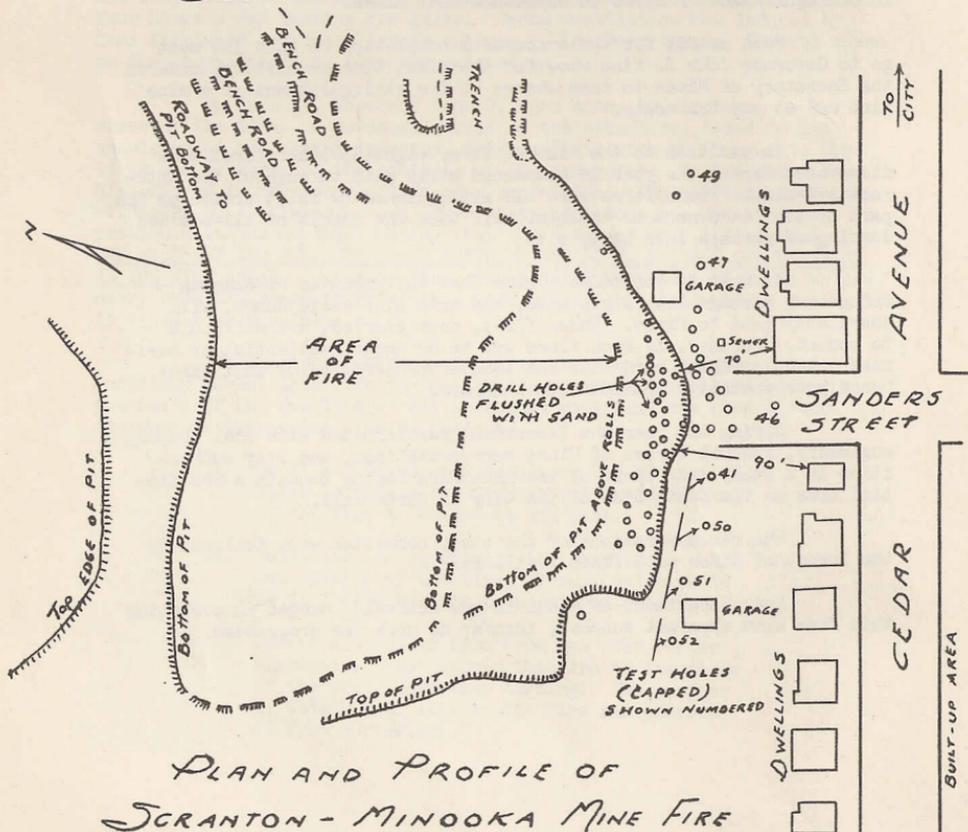
During the year the Department participated with coal company engineers, Federal Bureau of Mines representatives, and city authorities in a study and report of the mine fire raging beneath a residential area on the South Side of the City of Carbondale.

The recommendations of the study committee were followed by the Bureau of Mines with funds available.

Your Department of Mines is now actively engaged in combating this fire with apparent success, insofar as work has progressed.



SECTION THROUGH SANDERS ST.

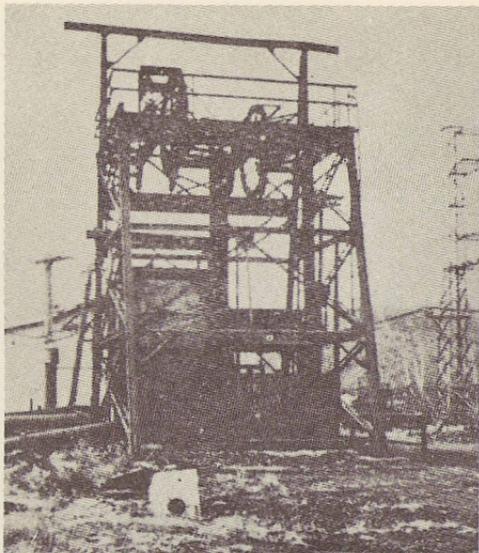


PLAN AND PROFILE OF
 SCRANTON - MINOOKA MINE FIRE
 SCALE 1" = 100' SEPT. 1953. PENNA. DEPT. OF MINES

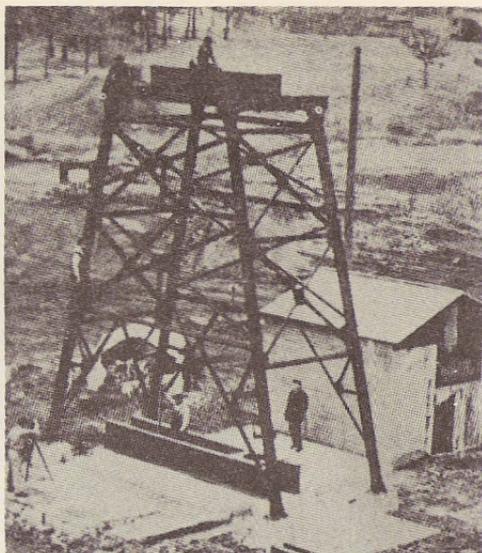


**Scene of Minooka Mine Fire Shortly After the Department of Mines
Began Work.**

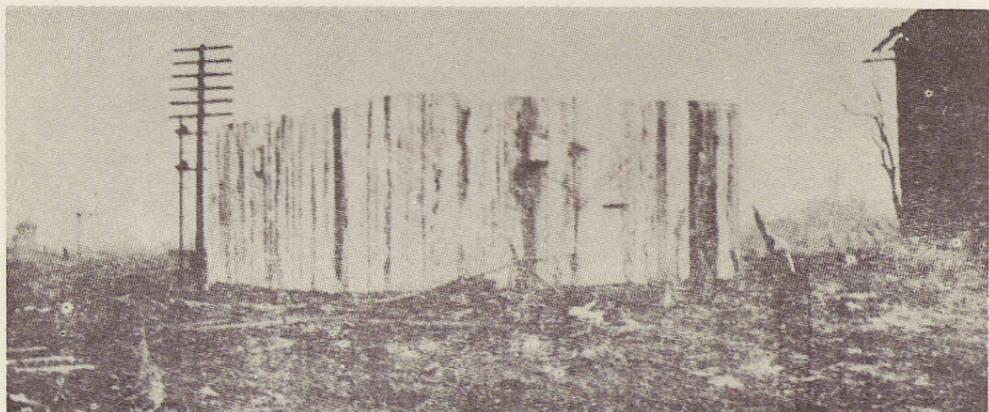
PHOTOGRAPHS OF LOCATIONS WHERE PUMPS WILL BE INSTALLED



Steel head frame of abandoned Springdale Shaft, near Mahanoy City, Pa.



Workmen erecting new steel head frame at abandoned Scott Shaft at Kulpmont, Pa.



View of fenced-in, abandoned Twin Shaft at Pittston, Pa. Old head frame has been removed and ground cleared, ready for installation of pump.



Deputy Secretary of Mines Gordon E. Smith pointing down Exeter Shaft, near Pittston, Pa. Old head frame has been removed preparatory to installation of new head frame and pump.

One of the factors which has always been important in the mining of anthracite has been the incidence of a high ratio of water pumped per ton of coal mined. This condition is the result of geological conditions, plus mining methods during the days before legislation concerning barrier pillars was enacted. The load has increased year by year, until in 1953 we estimate 48 tons of water were pumped for every ton of coal extracted from deep mines.

Your Governor, State Legislature, and Secretary of Mines, aware of this situation, undertook remedial measures. The Legislature passed Act Number 24-A, providing for the "sealing or dewatering of abandoned coal mines". It also passed Act Number 250, providing for the creation of the "Anthracite Mine Drainage Study Commission". Both Acts were approved by Governor Fine, who promptly appointed the Drainage Study Commission.

The Secretary of Mines immediately caused a study of flooded, abandoned mines by coal company officials, United Mine Workers of America, and Department representatives. To relieve the pumping load on some active mines, and to prevent a cumulative pumping load from endangering others, pump installations were planned as follows:

- 3 - 600 H.P., 6000 G.P.M. Deep Well Pumps at the Twin Shaft near Pittston, Pa.
- 1 - 600 H.P., 6000 G.P.M. Deep Well Pump at the Exeter Shaft at Exeter, Pa.

These are abandoned mines which pose a flood threat to the entire Northern Field.

- 1 - 350 H.P., 5000 G.P.M. Deep Well Pump at the Springdale Shaft near Mahanoy City, Pa.
- 2 - 600 H.P., 6000 G.P.M. Deep Well Pumps at the Scott Shaft near Kulpmont, Pa.

These are abandoned mines which threaten the Western Middle Coal Field with floods.

The above-mentioned pumps have been ordered and are presently being delivered as fast as materials can be fabricated. The Department of Mines will bear the original cost of the equipment. Coalitions of the affected coal companies will install, maintain, and provide power for the operation of the pumps in amounts according to predetermined agreements.

This expenditure of approximately \$450,000 will help to stabilize the water load and, it is hoped, aid in preserving this great industry and natural resource.

It is incumbent upon all of us to preserve for posterity the opportunity to work for personal and community gain. It is a proper governmental function to aid and assist in such matters.

MINE SEALING

Mine sealing in the Anthracite Region was never attempted directly by the Department of Mines. Mine operators have been sealing the mines abandoned since the passage of Act Number 490, under the direction of the Department. Many deep mines and strip mines abandoned prior to the Act were standing full of, or overflowing, highly acid water. This condition intensifies the already acid condition of the streams of the area, pollutes public water supplies, and adds to the unduly high pumping load on active mines. Additional hazards face present and future mining from water filled strip pits. Each summer brings its quota of small boys drowned in the season's first swim.

The Secretary of Mines, with funds provided by Act Number 24-A, and monies paid into the Department by coal companies, began back filling abandoned strip mines in selected areas. Projects were chosen from the many submitted on the basis of greatest benefit to the general public and associated mining interests.

Numerous jobs have been completed, with hundreds of thousands of cubic yards of earth replaced, millions of gallons of water displaced, and many acres of land returned to community usefulness. Seven operations are presently active. It is our hope that from this small beginning future years will bring the complete restoration of usefulness and natural beauty to our land.

MINE DRAINAGE STUDY COMMISSION

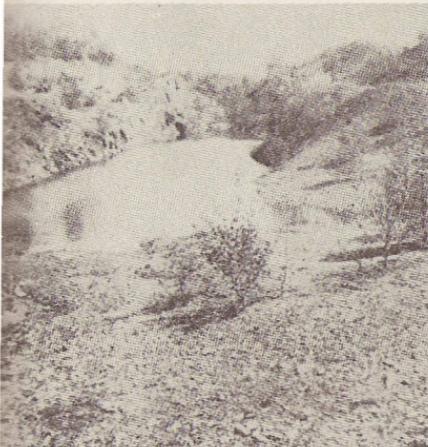
The Commission created by Act of Assembly Number 250 was appointed by Governor John S. Fine. Members are Secretary of Mines W. J. Clements, Chairman; Messrs. Edward G. Fox, Francis O. Case, and Edgar C. Weichel, representing the industry; and Messrs. August J. Lippi, Martin F. Brennan, and Joseph T. Kershetsky representing the United Mine Workers of America.

This group, serving without compensation, is charged with the duty outlined under Section 2 of the Act, as follows:

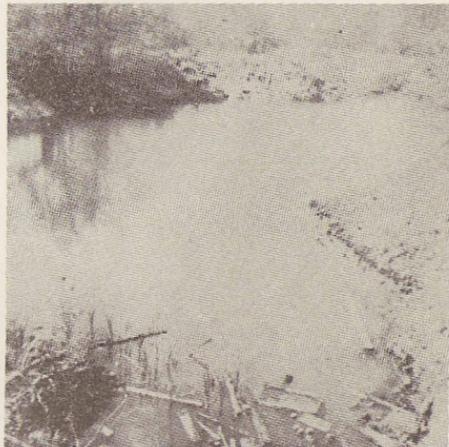
It shall be the duty of the commission to make a complete study and investigation either independently or in conjunction with any other State or Federal agency of economic, social or governmental problems related to, connected with, or resulting from the flooding of anthracite mines and feasible solutions thereof.

The Commission immediately began the study, with tangible results. With the aid of excellent engineering, a "Preliminary Report" detailing the immediate needs of the industry has been completed and presented to Governor Fine. A further and fuller study will continue during the year 1954, to make available complete data for a "Final Report" to the Governor and the General Assembly early in 1955. Benefits which will accrue to the Commonwealth and the industry will be manifold.

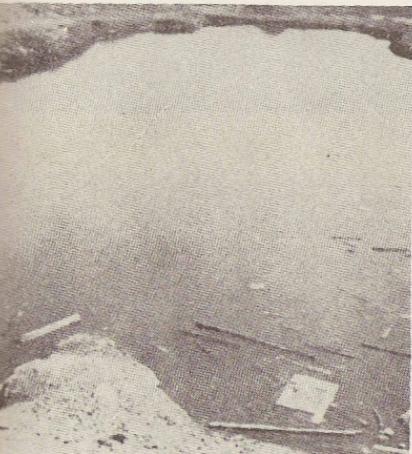
PICTURES OF ABANDONED STRIP MINE PITS



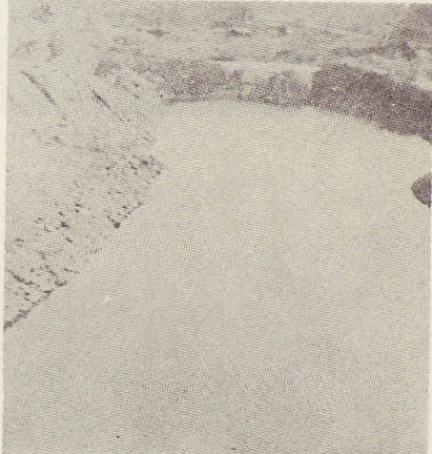
No. 1. Size of excavation filled with acid water.
400 feet long, 75 feet wide, 20 feet deep.



No. 2. Size of water-filled hole.
180 feet long, 80 feet wide, 15 feet deep.



No. 3. Size of water-filled hole.
300 feet long, 80 feet wide, 20 feet deep.

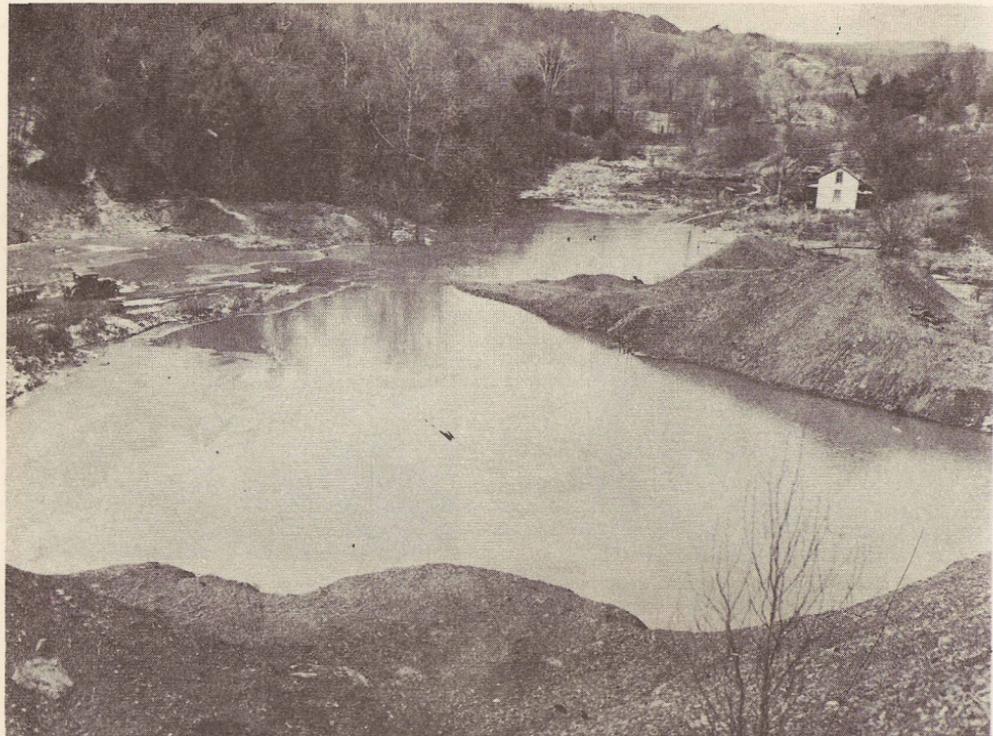


No. 4. Size of water-filled hole.
460 feet long, 62 feet wide, 22 feet deep.

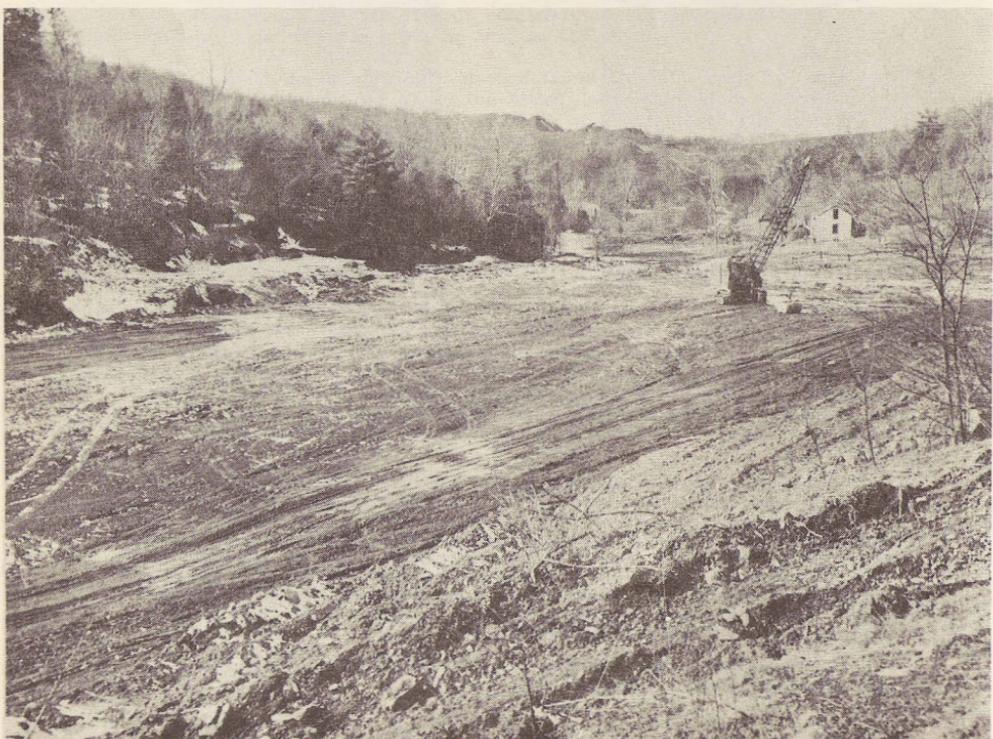
The four abandoned strip mine pits, pictured above, are typical of hundreds of such pits which may be found throughout the Anthracite and Bituminous coal regions. These pits were left in this condition long before the first Strip Mine Law was enacted. They contain acid mine water which overflows continuously and finds its way, eventually, into clean streams.

Mine openings of this kind, when filled with water, are a temptation to small boys who, during warm summer days, may be looking for a place to swim. Also, small boys usually like to play around ponds or pools, and too often fall into the water and are drowned. Only a short time ago, newspapers carried a story of a seven-year-old Duryea boy who was drowned in an abandoned mine stripping hole in that borough, while attempting to retrieve a rubber ball which had fallen into the water-filled pit. This hole was filled and sealed by the coal company on whose property it was located. It was reported that this was the second time in 10 years that the hole, which was 40 feet deep and 50 feet in diameter, had claimed a person's life.

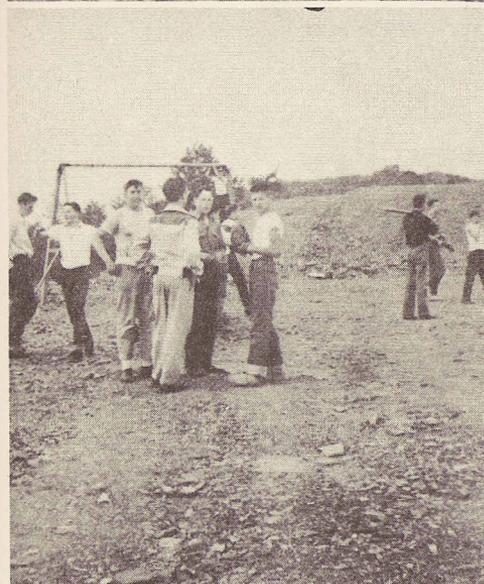
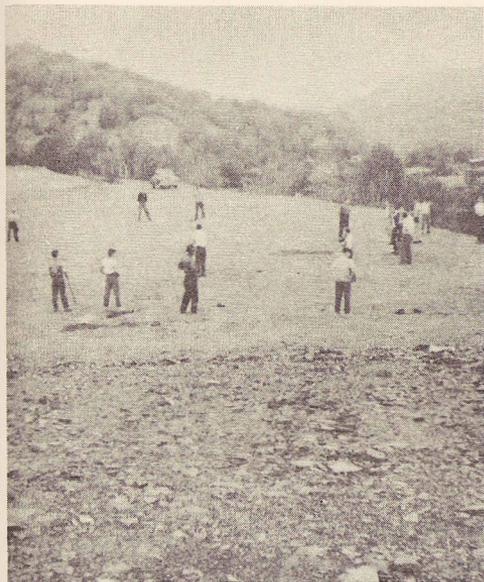
The Department of Mines will endeavor to eliminate these dangerous and unsightly spots as quickly as time and funds permit.



Cumbola—(Before)



Cumbola—(After)



Scenes Showing Recreational Usage of Backfilled Strip Mine Area
in an Anthracite Community.

STATISTICAL REPORTS

INCLUDING:

PRODUCTION, EMPLOYEES, FATALITIES, ETC.

FROM 1870 TO 1953 AND THE TWENTY-FIVE

YEAR COUNTY STUDY OF ANTHRACITE.

TOTAL PRODUCTION OF COAL, PRODUCTION FROM STRIPPINGS & WASHERIES;
EMPLOYES, FATALITIES, ETC.

1870 - 1953

Year	Total production (net tons)	Washery production (net tons)*	Stripping production (net tons)*	Employees	Fatal- ities	Produc- tion per fatality	Fatal- ities per million tons	No. of ins- pec- tors
	#			#	#	#	#	#
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			55,402	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	686,534		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	129,493	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	83,583,994	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

TOTAL PRODUCTION OF COAL, PRODUCTION FROM STRIPPINGS & WASHERIES;
EMPLOYES, FATALITIES, ETC.

1870 - 1953

Year	Total production (net tons)	Washery production (net tons)*	Stripping production (net tons)*	Employees	Fatal- ities	Produc- tion per fatality	Fatal- ities per million tons	No. of ins- pec- tors
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	1,062,858	3,545,948	119,480	243	203,710	4.91	21
1933	49,507,577	2,090,996	4,308,811	102,469	232	213,395	4.69	21
1934	56,798,951	1,516,393	4,461,894	106,251	260	218,458	4.58	19
1935	51,359,111	1,876,700	4,962,514	100,539	267	192,356	5.20	17
1936	54,264,016	1,411,988	3,757,678	99,704	241	225,162	4.44	16
1937	51,700,296	1,882,026	5,014,052	99,117	212	243,869	4.10	22
1938	46,269,511	2,031,432	5,080,344	96,998	223	207,487	4.82	20
1939	51,399,707	2,347,269	5,308,049	93,352	210	244,761	4.09	24
1940	51,526,454	2,599,280	6,010,364	90,790	182	283,112	3.53	23
1941	53,942,177	3,689,538	7,855,945	88,849	189	285,408	3.50	22
1942	57,939,629	4,045,970	9,657,307	83,707	225	257,509	3.88	22
1943	60,511,730	7,715,860	8,688,896	79,369	218	277,577	3.60	23
1944	64,112,589	10,527,481	10,925,619	78,145	171	374,927	2.67	24
1945	55,901,235	9,454,205	10,521,174	76,265	137	408,038	2.45	23
1946	61,978,710	9,214,678	12,912,992	80,556	169	366,738	2.73	24
1947	58,227,985	7,076,796	12,691,382	80,730	165	352,897	2.83	24
1948	59,108,810	6,735,688	13,485,837	80,390	131	451,212	2.22	26
1949	44,710,118	4,823,144	11,081,087	79,209	92	485,980	2.06	26
1950	46,339,255	4,027,249	12,291,325	75,231	86	538,829	1.86	25
1951	42,389,055	4,843,834	11,376,379	70,357	94	450,947	2.22	25
1952	40,067,130	4,710,495	11,019,185	66,438	92	435,512	2.30	25
1953	30,495,391	3,892,083	8,883,984	56,952	59	516,871	1.93	25

* Included in total production

No accurate record previous to 1870

φ No accurate record previous to 1894

% No accurate record previous to 1932

TWENTY-FIVE YEAR STUDY OF ANTHRACITE, BY COUNTIES

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	REGION
	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	11,090,550	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	4,504,212	11,461,545	99,879	15,339	102,858	51,700,296
Total	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
pro-	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
duc-	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
(net	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
tons	1942	2,796,798	998,124	57,479	9,344,388	25,767,343	5,295,913	13,520,462 e	49,113	62,761	47,248	57,939,629
	1943	3,150,839	861,015	229,826	9,149,647	24,082,663	5,463,150	17,396,092 f	101,977	73,037	3,484	60,511,730
	1944	3,644,877	1,147,941	299,349	9,427,467	24,810,042	5,743,444	18,834,594 g	147,756	46,216	10,903	64,112,589
	1945	3,345,258	1,121,228	292,662	8,083,021	21,073,255	5,001,063	16,731,289 h	187,007	66,452	*	55,901,235
	1946	3,166,205	1,457,754	141,800	9,058,331	22,770,658	6,342,793	18,811,399	105,862	123,908	*	61,978,710
	1947	2,933,809	1,507,884	28,731	8,538,164	21,990,960	6,779,549	16,259,688	46,785	142,415	*	58,227,985
	1948	2,801,893	1,679,495	10,254	8,610,881	21,591,846	6,937,340	17,275,544 i	63,230	138,327	*	59,108,810
	1949	2,126,682	1,380,732	61,389	6,221,743	15,989,846	5,200,490	13,538,194 j	23,585	167,457	*	44,710,118
	1950	1,988,317	1,281,807	52,275	6,526,466	17,112,757	5,211,307	14,066,493 k	26,690	73,143	*	46,339,253
	1951	1,894,035	985,177	30,133	5,775,808	14,882,432	5,749,967	13,021,079 m	28,762	21,662	-	42,389,055
	1952	1,899,297	760,695	868	5,303,545	13,774,952	5,326,146	12,977,572 n	24,055	-	-	40,067,130
	1953	1,561,836	745,649	21,811	3,555,642	10,201,927	4,247,561	10,142,880 o	18,085	-	-	30,495,391
	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
Empl-	1933	3,392	1,009	1,285	21,375	44,450	7,980	21,547	718	203	510	102,469
oyes	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

TWENTY-FIVE YEAR STUDY OF ANTHRACITE, BY COUNTIES

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	REGION	
	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	
Empl- oyes	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	
		1924	278	225	277	276	270	273	271	121	298	295	271
		1930	175	147	184	212	213	265	196	66	115	159	210
	1931	176	178	198	185	175	185	185	66	183	198	180	
	1932	139	161	167	169	154	181	164	96	57	106	160	
	1933	134	156	191	209	170	211	167	75	192	127	179	
	1934	174	218	221	235	192	240	195	174	269	270	206	
	1935	147	135	193	206	181	222	181	143	217	198	187	
	1936	142	215	159	224	181	213	188	208	171	181	193	
Aver- age days worked	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		

TWENTY-FIVE YEAR STUDY OF ANTHRACITE, BY COUNTIES

	YEAR	CARBON	COLUMBLA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	REGION
Average days worked	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
Fatalities	1924	11	11	7	125	193	38	110	-	1	-	496
	1930	11	-	5	108	164	29	123	-	1	3	444
	1931	6	4	4	116	151	32	67	1	-	3	384
	1932	3	1	8	59	116	13	42	-	-	1	243
	1933	3	-	1	59	110	14	43	2	-	-	232
	1934	7	4	2	59	114	24	47	1	2	-	260
	1935	4	3	7	50	123	16	61	3	-	-	267
	1936	4	-	2	50	137	14	34	-	-	-	241
	1937	5	6	9	35	102	15	38	1	-	1	212
	1938	6	4	5	49	102	13	44	-	-	-	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	16	36	-	-	-	225
	1943	7	5	-	36	103	13	54	-	-	-	218
	1944	12	4	1	37	70	15	32	-	-	-	171
	1945	6	6	-	27	53	13	32	1	-	-	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

TWENTY-FIVE YEAR STUDY OF ANTHRACITE, BY COUNTIES

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB	SCHUYLKILL	SULLIVAN	SUSQUE	WAYNE	REGION
	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	10,359,458	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
Man- days	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	3,063,635	8,586,535	1,479,290	3,260,577 d	27,035	5,708	2,544	17,676,304
	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	1,790,633	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	16,302	*	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	-	15,715,000
	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
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Pro- duc- tion per fatal	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	223,092	155,584	372,014	362,743	-	-	-	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	222,011	-	-	-	207,487

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TWENTY-FIVE YEAR STUDY OF ANTHRACITE, BY COUNTIES

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	REGION
	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	264,556	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
Pro- duc- tion per fatal	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	584,697	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	574,997	589,890	-	-	-	435,512
	1953	520,612	745,649	-	507,949	340,064	1,415,854	676,192	-	-	-	516,871

	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	-	-	12.67
	1934	9.25	19.34	8.05	10.96	12.68	12.25	11.47	11.25	37.17	-	11.90
Fatal- ities per million man- days	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	-	-	-	12.52
	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	14.49	-	-	-	13.45
	1939	8.52	15.68	16.19	14.26	13.11	8.76	9.35	-	22.91	-	12.19
	1940	7.60	6.21	16.96	10.64	11.68	7.53	10.76	-	-	-	10.72
	1941	9.45	7.29	15.41	12.08	11.41	4.73	10.73	-	-	-	10.69
	1942	3.92	17.18	-	10.11	12.59	10.42	9.06	-	-	-	10.94
	1943	6.05	14.24	-	10.08	10.40	7.74	11.59	-	-	-	10.19
	1944	8.30	8.00	21.51	9.99	6.83	8.92	6.24	-	-	-	7.50
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	

TWENTY-FIVE YEAR STUDY OF ANTHRACITE, BY COUNTIES

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMB	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	REGION
Fatal-	1949	3.45	1.96	-	3.06	9.12	1.42	4.15	-	-	-	5.62
ities	1950	4.86	3.80	-	3.15	7.83	4.59	2.18	-	-	-	4.89
per	1951	5.42	8.12	-	5.37	6.87	4.72	5.07	=	-	-	5.98
mil-	1952	11.43	16.60	-	4.90	6.18	8.70	5.80	-	-	-	6.57
lion	1953	5.97	4.73	-	5.01	6.69	3.41	5.60	-	-	-	5.80
m-days												

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.

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	"	"	"	"

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PRODUCTION TABLE

ANTHRACITE DIVISION

Year 1953

Tons of Coal Mined, How Shipped, Days Worked, Persons Employed,
Fatal and Non-fatal Accidents, Etc.

Operators & collieries	Inspection district	County	Production - net tons						Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat		Total production						
			By railroad	By truck	to trade	for steam and heat								
Ace Coal Co. Ace (B)	2	Lacka.	-	-	-	-	-	P	-	-	129	16	-	-
Alessi Coal Co. Mine	26	Schuyl.	-	1,323	-	-	-	1,323	-	1	140	6	-	-
Alpec Coal Co. Park #1 Mine	26	"	36,137	6,770	4,943	701	48,551	1	2	115	146	-	8	
Springdale Stripping	26	"	12,493	2,116	1,463	133	16,205	-	-	155	49	-	1	
" Bank	26	"	3,190	566	671	121	4,548	-	-	33	13	-	-	
Total for Co.			51,920	9,452	7,077	955	69,304	1	2		208	-	9	
Al-Penn Contracting Co., Inc. Stripping	24	North'd.	4,959	-	-	-	4,959	-	-	49	8	-	-	
Altamont Coal Co. Breaker (Mine(B)	20	Schuyl.	-	9,046	-	90	9,136	-	-	299	5	-	-	
Andershonis Coal Co. Washery (W)	27	"	5,500	-	-	-	5,500	-	-	166	5	-	-	
Angelo & Borrelli Mine	19	"	-	690	-	-	690	-	1	51	6	-	-	
A. & R. Coal Co. Mine	2	Lacka.	943	1,153	-	-	2,096	-	1	117	5	-	-	
Ashland Coal Co. Breaker (Mine(B)	27	Schuyl.	2,150	10,512	10,000	-	22,662	-	-	283	6	-	1	
Atkins Coal Co. Breaker (Mine(B)	20	"	20,315	14,378	7,176	-	41,869	-	-	212	15	-	-	
Back Basin Coal Co. Mine	27	"	10,305	-	304	26	10,635	1	-	210	32	-	5	

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total							
			By railroad	By truck	to trade	to colliery and heat								
Bain, Al Bank	25	Schuyl.	17,190	1,519	855	55	19,619	-	-	154	9	-	-	
Banks Construction Co., Jos.														
Stripping	25	"	60,752	5,367	3,024	193	69,336	-	-	238	18	-	1	
Barba Coal Co., Jose Mine	27	"	951	483	14	-	1,448	1	-	99	5	-	-	
Basin Coal Co. Mine	24	North'd.	-	19,014	-	-	19,014	-	1	255	16	-	5	
Bazley, J. Robert Stripping	19	Schuyl.	78,200	2,800	-	-	81,000	-	-	247	29	-	3	
Stripping	23	North'd.	28,902	2,092	1,191	-	32,185	-	-	136	21	-	-	
Total for Co.			107,102	4,892	1,191	-	113,185	-	-		50	-	3	
Beaver Brook Coal Co.														
Redco (Bank(B)	26	Luzerne	682	74	158	22	936	-	-	199	26	-	-	
Beaver Brook Stripping	26	"	45,509	4,658	9,899	1,164	61,230	-	-	241	28	-	1	
Independent Mines	26	"	6,153	674	1,432	170	8,429	-	4	241	12	-	-	
Total for Co.			52,344	5,406	11,489	1,356	70,595	-	4		66	-	1	
Beaver Meadow Mining Co. Mine	18	Carbon	15,783	3,736	1,909	1,089	22,517	1	-	213	38	-	6	
Bednarczyk, Joseph Mine	23	North'd.	-	4,036	-	-	4,036	-	1	274	6	-	-	
Bellaire Coal Sales Co. Breaker (B) (Mine)	24	"	42,400	-	-	-	42,400	-	-	269	8	-	1	
Bellevue (B) Bank	3	Lacka.	19,906	-	-	-	19,906	-	-	265	25	-	-	
Hilltop (B) Bank	26	Luzerne	32,223	-	-	-	32,223	-	-	256	9	-	-	
Total for Co.			52,129	-	-	-	52,129	-	-		34	-	-	
Bernice White Ash Coal Co. Connell Mine (B)	10	Sullivan	6,000	6,277	4,950	300	17,527	-	2	151	51	-	6	
Big Five Coal Co. Penna. Bank	23	North'd.	17,725	-	-	-	17,725	-	-	21	18	-	-	



Production - net tons

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total							
			By railroad	By truck										
Bird Mining Co. Mine	9	Luzerne	38,113	-	-	-	38,113	2	-	138	105	-	12	
Hiros Coal Co. Mine	26	Schuyl.	-	1,210	-	-	1,210	-	1	66	10	-	1	
Black Heath Coal Co. Black Heath (B)	19	"	-	-	-	-	P	-	-	222	13	-	-	
Blaschak Coal Co. Mine	26	"	9,252	1,388	694	231	11,565	-	1	264	11	-	-	
Elas-del Mining Co. Mine	20	"	4,423	675	333	110	5,541	1	-	260	8	-	-	
Elasi Coal Co. Mine	1	Lacka.	3,052	-	-	-	3,052	-	2	189	10	-	-	
Bliss Coal Co. Stripping	1	"	13,729	-	-	-	13,729	-	-	223	9	-	-	
Blue Flame Coal Co. Mine	1	"	2,326	258	-	-	2,584	-	1	143	7	-	-	
Blue Flame Coal Co. Mine	2	"	515	344	-	-	859	-	1	41	7	-	-	
Total for Co.			2,841	602	-	-	3,443	-	2		14	-	-	
Blyler, Roy Superior (B)	25	Schuyl.	-	-	-	-	P	-	-	298	12	-	-	
B. & M. Coal Co. Silver Brook Stripping	26	"	3,368	3,696	784	92	7,940	-	-	90	16	-	-	
B. & N. Coal Co. B. & N. (B)	19	"	-	-	-	-	P	-	-	304	6	-	-	
Bolish Coal Co. Mine	26	"	-	1,456	-	-	1,456	-	1	114	5	-	-	
Boner & Webb Coal Co. Mine	26	"	-	5,323	-	-	5,323	-	1	300	10	-	1	
Booth, Inc., John Stripping	1	Lacka.	98,155	-	-	-	98,155	-	-	213	55	-	-	
Bosack Coal Co. Mine	21	Schuyl.	-	6,000	-	-	6,000	1	-	178	9	-	-	

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Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market	Sold to local trade	Used at colliery for steam and heat								
			By railroad	By truck									
Boslego Coal Co. Mine	24	North'd.	-	15,100	-	-	15,100	-	1	304	22	-	2
Botsheller Coal Co. Stripping	1	Lacka.	3,856	-	-	-	3,856	-	-	100	5	-	-
Bowman-Coleman Coal Co. Mine	27	Schuyl.	1,051	16,468	-	-	17,519	-	3	265	19	-	2
Brazukas Coal Co. Mine	19	"	-	590	-	-	590	1	-	80	10	-	-
Brehony Coal Co. Mine	26	"	3,379	796	102	-	4,277	-	1	174	10	-	2
Bres Contracting Co. Mine	26	"	18,759	2,798	1,300	466	23,323	1	-	208	30	-	-
Brilla & Co., John Mine	21	"	-	8,225	-	-	8,225	1	-	223	10	-	-
Broschious & Etzweiler Stripping	25	"	3,849	296	43	2	4,190	-	-	207	11	-	-
Broschious & Rumberger Mine	23	North'd.	-	11,104	-	-	11,104	-	1	253	11	-	-
Bubble Coal Co. Mine	27	Schuyl.	441	-	1,757	-	2,198	2	-	180	6	-	-
Burke Coal Co. Stripping	1	Lacka.	80,460	-	-	-	80,460	-	-	324	83	-	-
Butler & Savage Stripping	2	"	258	139	-	-	397	-	-	18	5	-	-
Cano & Martin Sharp Mtn. Mine	19	Schuyl.	-	4,300	-	-	4,300	1	-	238	25	-	23
Port Carbon Mine	19	"	-	31,900	-	-	31,900	1	-	46	32	-)
Total for Co.			-	36,200	-	-	36,200	2	-		57	-	23
Capitol Coal Co. Stripping	23	North'd.	39,154	2,834	1,614	-	43,602	-	-	239	29	-	2
Bank	23	"	15,963	1,155	659	-	17,777	-	-	38	4	-	-
Total for Co.			55,117	3,989	2,273	-	61,379	-	-		33	-	2

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Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal accidents	Non-fatal accidents
			Shipped to market		Sold Used at								
			By railroad	By truck	to local trade	to colliery for steam and heat							
Capone Coal Co.													
Maffei Mine	9	Luzerne	7,103	-	-	7,103	1	-	100	13	-	1	
Banks	9	"	1,062	52,444	-	53,506	-	-	130	4	-	-	
Miners Mills Mine (B)	10	"	12,368	-	-	12,568	4	-	196	73	-	3	
Total for Co.			20,533	52,444	-	73,177	5	-		90	-	4	
Capparell Construction Co.													
Stripping	7	"	67,925	-	-	69,924	-	-	212	51	-	2	
Carbonizing Coal Co.													
Carbonizing (B) (Bank)	26	Schuyl.	79,020	55,663	-	134,683	-	-	227	17	-	-	
Cass Contracting Co.													
Marlin (B)	19	"	-	-	-	P	-	-	82	11	-	1	
Centralia Mining Co.													
Centralia Stripping	22	Columbia	4,157	979	126	5,262	-	-	65	10	-	-	
C. & G. Coal Co.													
C. & G. Mine	8	Luzerne	7,937	-	1,513	9,487	-	2	279	16	-	-	
Chapleski & Folger													
Banks	23	North'd.	9,930	-	-	9,930	-	-	109	5	-	-	
Chornack Bros.													
Mine	21	Schuyl.	-	11,296	-	11,296	1	-	301	10	-	-	
C. & L. Coal Co.													
Mine	2	Lacka.	834	3,903	-	4,737	-	1	247	8	-	2	
Coates Coal Co.													
Stripping	22	Columbia	58,071	-	-	58,071	-	-	206	15	-	-	
Independent Mines	22	"	43,404	-	-	43,404	33	-	240	105	-	-	
Total for Co.			101,475	-	-	101,475	33	-		120	-	-	
Cole Coal Co., Thomas													
Mine	27	Schuyl.	-	2,210	-	2,210	-	2	43	6	-	-	
Colitz Coal Co.													
Colitz Stripping (B)	19	"	2,892	26,465	8,903	38,748	-	-	96	80	-	6	
Conde & Lorenzo													
Mine	19	"	-	910	-	910	-	1	48	7	-	-	

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat							
			By railroad	By truck									
Conlon Coal Co.													
Madeira Mine	10	Luzerne				39,357	3	-	(217	98)	-	22)	
" Stripping	10	"				86,275	-	-	()	-)	
Total for Co.			125,532	-	-	100	125,632	3	-		98	-	22
Connell Co., John G.													
Silt Plant (B)	18	Carbon	192,210	-	-	120	192,330	-	-	274	22	-	-
Courtdale Coal Co.													
Mine	9	Luzerne	1,822	-	-	-	1,822	2	-	41	23	-	-
C. & R. Trucking Co.													
Greenough Bank	23	North'd.	-	4,431	-	-	4,431	-	-	40	5	-	-
Creek Coal Co.													
Wolf Creek Stripping (B)	19	Schuyl.	-	2,610	-	-	2,610	-	-	66	13	-	-
Cullen Coal Co.													
Banks	23	North'd.	-	100,638	-	-	100,638	-	-	317	7	-	-
Cyclone Coal Co.													
Washery (W)	27	Schuyl.	22,863	29,718	-	-	52,581	-	-	236	27	-	4
C. Y. & S. Coal Co.													
Mine	2	Lacka.	2,258	2,759	-	-	5,017	-	1	216	6	-	-
Dalebrook Coal Co.													
Dalebrook (B)	6	"	-	-	-	-	P	-	-	216	4	-	-
Dancott Coal Co.													
Dancott (B)	24	North'd.	-	-	-	-	P	-	-	276	11	-	-
Mine	27	Schuyl.	2,996	10,428	5,988	375	19,787	-	1	276	30	-	5
Total for Co.			2,996	10,428	5,988	375	19,787	-	1		41	-	5
Dando, Jos. R., Sr.													
D. & B. (Mine (B)	27	"	-	79,699	4,195	-	83,894	7	-	264	94	1	8
Dayton Coal Co.													
Dayton (B)	25	Dauphin	-	-	-	-	P	-	-	303	10	-	-
D. & D. Coal Co.													
Mine	27	Schuyl.	36	1,919	60	3	2,018	-	2	173	9	-	-
D. & D. Coal Co.													
Mine	22	Columbia	836	-	-	-	836	2	-	173	6	-	-

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Employees	Fatal accidents	Non-fatal accidents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total							
			By railroad	By truck										
DeAngelis Coal Co.														
Bolands Mine (B)	1	Lacka.	37,805	-	17,963	185	55,953	-	6	203	129	-	13	
Stripping Mine	1	"	26,939	-	-	-	26,939	-	-	203	35	-	2	
	2	"	16,485	1,832	-	-	18,317	-	1	203	27	-	-	
Total for Co.			81,229	1,832	17,963	185	101,209	-	7		191	-	15	
Deaven, David														
Oakwood (E)	25	Schuyl.	-	-	-	-	P	-	-	218	7	-	-	
DeClerico Coal Co., Angelo Mine	27	"	149	1,653	136	-	1,938	-	1	69	6	-	-	
Deeter & Carl Coal Co. Mine	27	"	1,369	777	-	-	2,146	-	1	80	11	-	-	
Deitrick & Ebert Mine	27	"	3,970	285	161	280	4,696	-	1	290	6	-	-	
Demchak Excavating Co. Stripping	2	Lacka.	429	2,005	-	-	2,434	-	-	132	4	-	-	
Deweese Coal Co. Stripping	1	"	65,184	-	-	-	65,184	-	-	208	54	-	-	
Dial Rock Coal Co. Dial Rock Bank (E)	9	Luzerne	12,327	-	-	-	12,327	-	-	96	14	-	1	
Diamond Coal Co. Mines (E)	23	North'd.	46,366	4,300	5,266	150	56,082	-	-	232	35	-	3	
C. & J. Stripping Banks	23	"	21,054	1,980	2,349	75	25,458	-	-	245	17	-	-	
	23	"	14,819	1,380	1,720	-	17,919	-	-	226	6	-	-	
Total for Co.			82,239	7,660	9,335	225	99,459	-	-		58	-	3	
Diminick Coal Sales Co. Breaker (E) (Mine)	24	North'd.	9,889	53,884	-	-	63,773	-	-	296	9	-	-	
DiRenzo Coal Co. Breaker (B)	21	Schuyl.	-	-	-	-	P	-	-	265	8	-	1	
Draper Contracting Co. Tunnel Ridge Stripping	26	"	43,177	10,166	1,312	-	54,655	-	-	240	32	-	1	
" " Banks	26	"	1,125	265	34	-	1,424	-	-)	-	-	
Total for Co.			44,302	10,431	1,346	-	56,079	-	-		32	-	1	

Operators & collieries	Inspection district	County	Production - net tons						Total production	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to colliery		Used at local for steam and heat	Gaseous						
			By railroad	By truck	By local trade	to colliery								
Dudash & Co. Mine	26	Schuyl.	-	2,939	-	-	2,939	-	1	294	5	-	1	
Duryea Anthracite Co. Packer Mine (B)	10	Luzerne	33,978	10,867	11,282	225	56,352	4	-	193	162	-	28	
West End Mine	14	"	5,045	-	-	-	5,045	-	6	184	12	-	3	
" " Stripping	14	"	20,555	-	-	-	20,555	-	-	276	20	-	-	
Total for Co.			59,578	10,867	11,282	225	81,952	4	6		194	-	31	
Dutch Gap Coal Co. Washery (W)	6	Lacka.	-	-	-	-	P	-	-	219	6	-	-	
Dweczyk Coal Co. Mine	1	"	1,602	-	-	-	1,602	-	1	156	9	-	-	
D. & Z. Coal Co. D. & Z. (Mine) (B)	24	North'd.	16,652	56,446	7,900	65	81,063	-	-	298	10	-	-	
East Mines Contracting Co. Stripping	19	Schuyl.	6,200	8,600	-	-	14,800	-	-	247	16	-	2	
Edgewood Processing Co. Breaker (B)	2	Lacka.	-	-	-	-	P	-	-	57	7	-	-	
E. & E. Coal Co. Stripping	1	"	21,814	-	-	-	21,814	-	-	203	15	-	-	
E. & H. Coal Co. Stripping	1	"	10,379	-	-	-	10,379	-	-	306	8	-	-	
Englewood Coal Co. Breaker (Mine) (B)	20	Schuyl.	1,444	2,498	1,251	-	5,193	-	-	234	5	-	-	
Erdman Bros. Mine	25	"	1,302	8,127	-	-	9,429	-	1	304	10	-	-	
Erie Concentrated Fuel Co. Washery (W)	6	Luzerne	-	-	-	-	P	-	-	224	12	-	-	
Fabri Coal Co. Mine	2	Lacka.	1,583	1,934	-	-	3,517	-	1	197	6	-	-	
Fair Deal Coal Co. Mine	24	North'd.	-	6,872	-	-	6,872	1	-	272	12	-	-	

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oves	Fatal acci-dents	Non-fatal acci-dents	
			Shipped to market		Sold to colliery									Used at
			By railroad	By truck	local trade	for steam and heat								
Falls Coal Co. Mine	21	Schuyl.	-	3,994	-	-	3,994	-	1	260	7	1	-	
Farley & Ihnat Mine	19	"	-	9,200	-	-	9,200	1	-	276	7	-	-	
Fegley & Tretter Mine	21	"	15,974	6,847	-	-	22,821	1	-	289	17	-	2	
Fetterhoff & Mitsky Mine	27	"	-	800	-	-	800	-	1	69	5	-	-	
F. & G. Coal Co. Mine	2	Lacka.	428	2,005	-	-	2,433	-	1	246	5	-	3	
Fisher Associates Stripping	25	Schuyl.	37,166	3,268	1,792	136	42,362	-	-	207	33	-	-	
Fisher, Chas. A. Jr. Washery (W)	27	"	-	-	-	-	P	-	-	261	12	-	-	
Fleetwood Contracting Co. Banks	21	"	13,621	5,838	-	-	19,459	-	-	227	6	-	-	
Floss Coal Co. Breaker (B)	21	"	-	-	-	-	P	-	-	141	28	-	2	
Forgotsch & Co. Mine	26	"	-	2,557	-	-	2,557	-	1	296	5	-	-	
Forsum Coal Co. Mine	20	"	9,393	2,212	285	-	11,890	1	-	263	13	-	-	
Galezniak Coal Co. Mine	22	"	1,405	331	42	-	1,778	1	-	158	6	-	-	
Garber Contracting Co. Banks	20	"	31,368	723	246	3	32,340	-	-	36	7	-	-	
Banks	22	"	21,667	-	-	-	21,667	-	-	108	12	-	-	
Total for Co.			53,035	723	246	3	54,007	-	-	19	19	-	-	

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oves	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total							
			By railroad	By truck										
Garote & Martin														
Mine	21	Schuyl.				48,941	1	-	305	30	-	7		
Stripping	21	"				14,388	-	-	63	6	-	-		
Total for Co.			44,330	16,699	2,300	63,329	1	-		36	-	7		
Gasparini Excavating Co.														
Stripping	1	Lacka.	1,912	212	-	2,124	-	-	56	16	-	-		
Stripping	2	"	12,448	4,149	-	16,597	-	-	192	13	0	-		
Total for Co.			14,360	4,361	-	18,721	-	-		29	-	-		
Gavalis Stripping Co., Jos.														
Stripping	19	Schuyl.	-	640	-	640	-	-	22	9	-	-		
Stripping	25	"	15,490	1,204	214	16,923	-	-	137	12	-	-		
Total for Co.			15,490	1,844	214	17,563	-	-		21	-	-		
Gaylord Coal Co.														
Mine	7	Luzerne	12,226	-	-	12,635	-	2	235	29	-	4		
G. C. & S. Excavating Co.														
Stripping	3	Lacka.	1,081	-	-	1,081	-	-	24	18	-	-		
Genelow Mining Co.														
Maltby Mine	9	Luzerne	15,530	-	-	15,530	-	1	146	41	1	10		
Gerrity Contracting Co.														
Banks	20	Schuyl.	-	-	-	-	-	-	22	16	-	-		
Banks	22	"	13,084	-	385	13,502	-	-	41	15	-	-		
Total for Co.			13,084	-	385	13,502	-	-		31	-	-		
Gianforco Coal Co.														
Mine	1	Lacka.	11,041	-	-	11,041	-	2	200	20	-	2		
Gilbert & Co.														
Mine	25	Schuyl.	662	4,138	-	4,800	1	-	134	5	-	-		
Gilberton Coal Co.														
Banks	20	"	2,501	590	76	3,167	-	-	(150	81)	-	-		
Gilberton (B)	22	"				P	-	-			-	5		
" Stripping	22	"	24,713	5,818	751	31,282	-	-	206	47	-	7		
" Bank	22	"	123,350	29,042	3,748	156,140	-	-	171	19	-	-		

Operators & collieries	Inspection district	County	Production net tons				Total production	Caseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			: Shipped to market		Sold to	Used at							
			By railroad	By truck	local trade	colliery for steam and heat							

Gilberton Coal Co., Contd.													
Packer #5 Mine	22	Schuyl.	128,499	30,430	3,927	750	163,606	1	-	204	225	-	43
" " Bank	22	"	11,182	2,633	339	-	14,154	-	-	46	8	-	-
William Penn Stripping	22	"	67,162	15,813	2,040	-	85,015	-	-	147	66	-	1
Independent Mines	22	"	15,405	-	-	-	15,405	12	-	204	34	-	-
Total for Co.			372,812	84,326	10,881	750	468,769	13	-		480	-	56

Gillen Coal Co.													
Mine	1	Lacka.	26,759	-	-	-	26,759	-	1	182	48	-	2
Gillizzi Coal Co.													
Stripping	6	Luzerne	3,989	16,115	-	-	20,104	-	-	202	7	-	-
Glen Alden Coal Co.													
Baker (B)	5	Lacka.	-	-	-	-	P	1	-	64	138	-	4
Hampton Power Plant	5	"	-	-	-	-	-	-	-	139	3	-	-
Avondale Mine	7	Luzerne	67,925	-	-	1,999	69,924	5	-	139	349	1	28
Bliss Mine	7	"	43,005	-	-	1,440	44,445	2	-	76	262	-	25
Loomis Mine (B)	7	"	314,391	45,781	59,872	2,038	422,082	4	-	172	953	3	74
Nottingham Mine	7	"	99,000	-	-	4,413	103,413	1	1	145	377	-	29
Nanticoke Power Plant	7	"	-	-	-	-	-	-	-	365	88	-	4
Lance Mine (B)	9	"	120,241	33,780	94,446	16,855	265,322	2	-	145	934	-	60
Woodward Mine (B)	9	"	121,510	51,442	94,840	9,487	277,279	4	-	144	819	-	71
Empire-Kidder Mine	11	"	169,079	-	-	6,470	175,549	4	-	145	564	1	55
" " Stripping	11	"	4,295	-	-	104	4,399	-	-	28	25	-	-
S. Wilkes-Barre Mine (B)	11	"	193,332	-	-	7,288	200,620	2	-	144	618	-	58
Buttonwood Mine	13	"	218,258	-	-	8,458	226,716	4	-	146	704	4	79
Huber Mine (B)	13	"	188,758	33,363	157,203	14,819	394,143	4	-	149	1275	2	86
" " Stripping	13	"	8,664	-	-	211	8,875	-	-	29	47	-	1
Sugar Notch Mine	13	"	72,154	-	-	2,973	75,127	2	-	143	199	-	8
" " Stripping	13	"	51,418	-	-	1,799	53,217	-	-	251	36	-	-
Truesdale Mine (B)	13	"	114,625	15	3,863	3,943	122,446	5	-	76	833	1	35
" " Stripping	13	"	4,262	-	-	157	4,419	-	-	23	12	-	-
Wanamie Mine (B)	14	"	431,027	13,331	27,172	17,797	489,327	3	1	179	1178	1	100
Newport Excav. Mine	14	"	121,833	-	-	-	121,833	-	4	173	126	-	-
Biscontini Stripping	14	"	25,426	-	-	-	25,426	-	-	49	13	-	-
Kingston "	14	"	123,553	-	-	-	123,553	-	-	244	55	-	-
Honey Brook #2 Mine (B)	26	Carbon	38,813	5,498	1,960	172	46,443	-	1	145	177	-	4

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local	Used at colliery							
			By railroad	By truck	to trade	for steam and heat							
Glen Alden Coal Co., Contd.													
Tresckow Stripping	26	Carbon	16,319	2,312	824	98	19,553	-	-	181	10	-	-
Audenried "	26	Schuyl.	41,134	5,827	2,078	176	49,215	-	-	237	40	-	3
Total for Co.			2,589,022	191,349	442,258	100,697	3,323,326	42	7		9835	13	724
G. & M. Coal Co.													
Parkside (B)	6	Lacka.	-	-	-	-	P	-	-	94	7	-	-
Gowen Coal Co.													
Gowen (B)	15	Luzerne	-	-	-	-	P	-	-	171	25	-	3
" Stripping	15	"	40,332	-	11,088	500	51,920	-	-	295	16	-	-
Cranberry Bank	15	"	3,462	-	-	-	3,462	-	-	115	5	-	-
Total for Co.			43,794	-	11,088	500	55,382	-	-		46	-	3
Gowen Coal Co.													
Mine	24	North'd.	-	9,150	-	-	9,150	1	-	231	12	-	-
G. R. & R. Coal Co.													
Mine	3	Lacka.	5,125	2,562	854	-	8,541	2	-	238	14	-	-
Gravine Coal Co.													
Mine	18	Carbon	1,034	244	126	80	1,484	-	1	131	10	-	-
Greenbury Drift Co.													
Mine	21	Schuyl.	2,000	1,085	-	-	3,085	1	-	135	12	-	-
Greenwood Mining Co.													
Mine	6	Lacka.	6,555	-	-	-	6,555	-	1	102	24	-	-
Stripping	6	"	13,180	-	-	-	13,180	-	-	184	10	-	-
Bank	6	"	8,772	-	-	-	8,772	-	-	69	3	-	-
Laflin Mine	10	Luzerne	-	-	-	-	21,117)	5	-	123	46	-	2
" Stripping	10	"	-	-	-	-	3,699)	-	-	-	-	-	-
Sub-Total, Laflin			-	-	21,103	3,713	24,816	5	-		46	-	2
Drifton #9 Mine	15	"	107	54	20	-	181	1	-	10	11	-	-
Lattimer Mine	15	"	4,986	3,677	1,351	61	10,075	1	-	102	35	-	5
Total for Co.			33,600	3,731	22,474	3,774	63,579	7	1		129	-	7
Grizbin Coal Co.													
Mine	2	Lacka.	416	1,940	-	-	2,356	-	1	235	7	-	1

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat							
			By railroad	By truck									
Grochowski Coal Co.													
Mine	22	Schuyl.	12,086	150	35	-	12,271	1	-	268	9	-	2
Gromas Bros.													
Bank	19	"	-	6,200	-	-	6,200	-	-	84	6	-	-
Gubbio Coal Co.													
Mine	2	Lacka.	402	268	-	-	670	1	-	60	12	-	1
Guiducci Coal Co.													
Mine	2	"	1,795	8,179	-	-	9,974	-	1	221	13	-	1
Halaburda & Co.													
Mine	26	Schuyl.	1,600	300	124	-	2,024	-	1	250	5	-	-
Hammond Coal Co.													
Hammond Mine (B)	22	"	229,034	32,530	5,964	13,095	280,623	4	-	208	829	2	129
" Stripping	22	"	125,658	27,406	14,124	17,690	184,878	-	-	208	39	-	17
Total for Co.			354,692	59,936	20,088	30,785	465,501	4	-		868	2	146
Harry E. Coal Co.													
Harry E. Mine (B)	9	Luzerne	97,676	40,157	54,491	4,015	196,339	2	-	239	315)	1	62
" " Bank	9	"	7,016	-	-	-	7,016	-	-	143)	-	-
Mineral Spring Mine	10	"					17,752	1	-	294	85)	-	12
" " Stripping	10	"					101,899	-	-)	-	-
Sub-Total, Mineral Spring			61,955	24,480	33,216	-	119,651	1	-	294	85	-	12
Total for Co.			166,647	64,637	87,707	4,015	323,006	3	-		400	1	74
Hatter Coal Co.													
Mine	27	Schuyl.	-	17,128	-	-	17,128	-	2	274	17	-	-
Haven Coal & Supply Co.													
Haven Bank (W)	19	"	5,112	10,196	-	-	15,308	-	-	124	15	-	-
Hazle Brook Coal Co.													
Continental Mine)	22	Columbia	13,104	11,278	3,721	212	28,315	2	-	183	79	-	22)
)	22	Schuyl.	39,314	33,834	11,161	836	85,145	-	-	183	227	-)
" Stripping	22	Columbia	25,507	21,952	7,242	510	55,211	-	-	221	39	-	2
Midvalley (B)	22	"	-	-	-	-	P	-	-	139	107	-	1
" Stripping	22	"	16,972	14,602	4,817	339	36,730	-	-	198	32	-	2
Total for Co.			94,897	81,666	26,941	1,897	205,401	2	-		484	-	27

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Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal accidents	Non-fatal accidents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat	:							
			By railroad	By truck	:	:								
H. & B. Coal Co. Mine	24	North'd.	-	5,260	-	-	5,260	1	-	204	10	-	-	
Heidelberg Coal Co. Heidelberg Mine (B)	6	Luzerne	82,240	8,705	2,901	433	94,279	2	2	212	152	1	12	
" Stripping	6	"	38,692	4,095	1,365	204	44,356	-	-	224	48	-	-	
Total for Co.			120,932	12,800	4,266	637	138,635	2	2		200	1	12	
Helfenstein Coal Co. Mine	23	North'd.	-	6,496	-	-	6,496	-	1	276	9	-	-	
Hentz Coal Co. Mine	27	Schuyl.	2,910	19,266	-	-	22,176	-	2	279	19	-	-	
Herb, Allen Mine	25	"	10,892	-	-	-	10,892	-	1	292	5	-	-	
Herb & Reed Mine	25	"	12,480	3,120	-	-	15,600	1	-	255	12	-	1	
Hickory Contracting Co. Mine	25	"	22,494	1,756	260	18	24,528	1	-	123	45	-	1	
High Test Coal Co. Mine	25	"	448	2,802	-	-	3,250	-	1	301	11	-	-	
Hill, Inc., Frank Stripping	19	"	-	35,150	-	-	35,150	-	-	147	20	-	1	
Hillside Coal Co. Mine	6	Luzerne	-	9,140	-	-	9,140	-	1	214	5	-	1	
Hillside Coal Co. Hillside (B)	19	Schuyl.	-	-	-	-	P	-	-	304	20	-	-	
Hoffman Bros. Stripping	21	"	1,500	464	-	-	1,964	-	-	86	6	-	-	
Stripping	25	Dauphin	1,721	8,277	85	7	10,090	-	-	101	5	-	-	
Total for Co.			3,221	8,741	85	7	12,054	-	-		11	-	-	
Hoke & Hauptly Stripping	19	"	28,113	12,200	-	-	40,313	-	-	207	17	-	-	

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to	Used at	Total							
			By railroad	By truck	local trade	for steam and heat								
Holohan Coal Co. Mine	27	Schuyl.	3,088	1,224	432	-	4,744	1	-	142	13	-	4	
Hoover Coal Mining Co. Hoover Mine (B)	24	North'd.	1,860	-	4,627	15	6,502	-	-	296	5	-	-	
Hruniak & Co. Mine	26	Schuyl.	-	510	-	-	510	-	1	61	6	-	-	
Hudson Coal Co. Coal Brook Mine	1	Lacka.	62,671	-	28,637	18,929	110,237	-	5	189	237	-	6	
Gravity Slope Mine	1	"	48,421	-	34,344	-	82,765	-	8	182	142	-	7	
Powderly (Mine(B)	1	"	2,669	-	-	51,138	53,807	-	-	161	110	-	3	
Eddy Creek Mine	2	"	309,488	-	46,416	48,116	404,020	4	-	166	893	-	50	
Olyphant Mine (B)	3	"	135,138	-	17,321	19,036	171,495	3	-	166	952	2	25	
" Bank	3	"	6,192	-	-	1,392	7,584	-	-	101	8	-	-	
Marvine Mine (B)	5	"	96,988	-	60,290	16,506	173,784	2	-	168	581	-	51	
Delaware Mine	10	Luzerne	-	-	-	-	100,166)	5	-	158	271)	-	13	
" Stripping	10	"	-	-	-	-	24,920)	-	-	-	-	-	-	
Sub-Total, Delaware			73,026	-	48,985	3,075	125,086	5	-	-	271	-	-	
Pine Ridge Mine	10	"	-	-	-	-	124,687	4	-	158	435)	-	9	
" " Stripping	10	"	-	-	-	-	8,653	-	-	-	-	-	-	
" " Bank	10	"	-	-	-	-	2,280	-	-	-	-	-	-	
Sub-Total, Pine Ridge			79,379	-	52,246	3,995	135,620	4	-	-	435	-	9	
Laflin Bank (B)	10	"	11,706	-	-	987	12,693	1	-	158	4	-	9	
Baltimore Mine	11	"	87,257	-	63,242	14,188	164,687	4	-	165	396	1	16	
" Stripping	11	"	15,875	-	-	-	15,875	-	-	90	28	-	1	
Loree Mine (B)	12	"	-	-	-	-	564,359)	5	2	177	1526)	1	82)	
" Stripping	12	"	-	-	-	-	156,104)	-	-	-	-	-	-	
" Bank	12	"	-	-	-	-	24,961)	-	-	-	-	-	-	
Sub-Total, Loree			597,682	-	120,815	26,927	745,424	5	2	-	1526	1	82	
Total for Co.			1,526,492	-	472,296	204,289	2,203,077	28	15	-	5583	4	222	

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to	Used at							
			By railroad	By truck	local trade	colliery for steam and heat							
Huss Contracting Co.													
Stripping	19	Schuyl.	-	53,640	-	-	53,640	-	-	154	27	-	2
Stripping	25	"	39,153	3,218	1,137	75	43,583	-	-	82	27	-	-
Total for Co.			39,153	56,858	1,137	75	97,223	-	-		54	-	2
Hydrotated Anth. Fuel Co.													
Cold Spring #6 (B)	15	Luzerne	-	-	-	-	P	-	-	151	34	-	4
Lattimer Bank	15	"	61,192	538	5,382	-	67,112	-	-	151	12	-	-
Total for Co.			61,192	538	5,382	-	67,112	-	-		46	-	4
Indian Head Coal Co.													
Indian Head Mine (B)	21	Schuyl.	28,269	11,693	2,837	-	42,799	1	-	208	154	-	22
" " Stripping	21	"	73,578	30,809	7,918	442	112,747	-	-	242	103	-	3
Coal Creek Mine	27	"	55,796	23,086	5,601	-	84,483	2	-	201	119	1	7
" " Stripping	27	"	1,364	571	139	-	2,074	-	-	52	13	-	-
Total for Co.			159,007	66,159	16,495	442	242,103	3	-		389	1	32
Indian Run Coal Co.													
Indian Run (B)	19	"	-	-	-	-	P	-	-	312	9	-	-
Jac Coal Co.													
Jac Mine (B)	19	"	-	2,200	-	-	2,200	-	-	224	14	-	-
Jackson Coal Co.													
Hauto Bank (B)	18	Carbon	111,560	-	-	-	111,560	-	-	165	30	-	5
Jeddo-Highland Coal Co.													
Deringer Mine	15	Luzerne	24,979	18,357	6,748	456	50,540	2	-	179	138	-	12
Drifton Mine	15	"	17,239	12,667	4,657	285	34,848	1	-	190	62	-	6
" " Stripping	15	"	56,169	41,303	15,184	929	113,585	-	-	265	67	-	3
Eckley Mine	15	"	47,014	34,567	12,707	666	94,954	2	-	206	173	-	15
" " Stripping	15	"	58,113	42,725	15,707	824	117,369	-	-	265	108	-	12
Highland #5 Mine	15	"	4,214	3,113	1,144	63	8,534	1	-	190	47	-	4
Jeddo #7 Mine (B)	15	"	6,249	4,616	1,697	92	12,654	1	-	190	235	-	10
" " Stripping	15	"	78,267	57,593	21,172	1,156	158,188	-	-	280	57	-	1
Lattimer Stripping	15	"	1,064	778	286	13	2,141	-	-	114	19	-	-
Monitor (B)	15	"	-	-	-	-	P	-	-	94	12	-	-
Stockton Mine	15	"	50,024	36,821	13,537	694	101,076	1	-	190	197	-	29

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Emploves	Fatal accidents	Non-fatal accidents
			Shipped to market	Sold to local	Used at colliery for steam and heat	By							
			By railroad	By truck	trade								
Jeddo-Highland C.Co.,Contd.													
Tomhicken Mine	15	Luzerne	4,648	3,435	1,263	93	9,439	1	-	34	52	-	1
" Stripping	15	"	11,796	8,669	3,187	236	23,888	-	-	258	32	-	-
Total for Co.			359,776	264,644	97,289	5,507	727,216	9	-		1199	-	93
Joliett Coal Co.													
Joliett (B) (Mine)	27	Schuy'l.	-	-	117	-	117	1	-	1	16	-	-
John Jones Coal Co.													
Mine	26	"	-	1,848	-	-	1,848	-	1	259	5	-	-
Johnson Coal Sales Co.													
Breaker (Mine)(B)	24	North'd.	4,300	9,650	10,200	-	24,150	-	-	250	9	-	-
Jonathan Coal Mng. Co.													
Breaker (Mine)(B)	24	"	30,155	-	200	1,596	31,951	-	-	266	18	-	-
Breaker (Bank)(B)	25	Lebanon	528	1,410	-	-	1,938	-	-	15	5	-	-
Total for Co.			30,683	1,410	200	1,596	33,889	-	-		23	-	-
Kaplawka Coal Co.													
Mine	22	Schuy'l.	2,859	673	87	-	3,619	1	-	290	8	-	-
K. & D. Coal Co.													
Breaker (Mine) (B)	24	North'd.	1,196	34,552	2,500	30	38,278	-	-	290	8	-	-
K. D. & P. Coal Co.													
Mine	27	Schuy'l.	57	3,043	96	4	3,200	-	2	80	11	-	-
Kehoe-Berge Coal Co.													
William A (B)	5	Luzerne	-	-	-	-	P	-	-	178	37	-	-
" " Silt Bank	5	"	33,750	-	-	-	33,750	-	-	203	12	-	-
" " Stripping	5	"	150	435	25	-	610	-	-	111	4	-	-
Stevens Stripping	5	"	82	21	30	-	133	-	-	21	4	-	-
Feederdam Stripping	5	"	936	242	349	3	1,530	-	-	44	11	-	-
Hunter Stripping	5	"	19,132	4,945	7,133	61	31,271	-	-	250	14	-	-
No. 11 Mine	5	"	16,435	4,248	6,128	52	26,863	1	-	211	41	-	-
No. 52 Mine	5	"	4,574	1,182	1,705	13	7,474	1	-	303	9	-	-
Broadwell Mine	5	Lacka.	20,224	5,227	7,540	64	33,055	-	7	264	52	-	7
Total for Co.			95,283	16,300	22,910	193	134,686	2	7		184	-	7

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oves	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold	Used at	Total							
			By railroad	By truck	to local trade	to colliery for steam and heat								
Kettle Coal Co. Mine	24	North'd.	-	11,624	-	-	11,624	1	-	282	8	-	-	
Keyser Valley Coal Co. Capouse Mine	3	Lacka.	570	-	289	18	877	4	-	92	65	-	-	
K. & H. Contracting Co. Penna. Banks	23	North'd.	-	25,387	-	-	25,387	-	-	99	7	-	-	
Kingston Excavating Co. Mine	7	Luzerne	3,499	-	-	162	3,661	-	1	260	9	-	-	
Kingston Mining Corp. Stripping	7	"	27,859	-	-	1,172	29,031	-	-	184	40	-	1	
Kingston Mine	9	"	20,546	-	-	-	20,546	-	2	77	135	-	3	
Total for Co.			48,405	-	-	1,172	49,577	-	2		175	-	4	
Klimas Bros. Coal Co. Breaker (Mine) (B)	20	Schuyl.	4,789	731	360	120	6,000	1	-	173	8	-	-	
K. M. F. Coal Service K. M. F. (B)	19	"	-	-	-	-	P	-	-	212	9	-	-	
Knorr & Schneck Mine	27	"	196	2,134	-	-	2,330	-	2	96	9	-	-	
Knox Coal Co. Schoolley Mine	8	Luzerne	162,562	-	30,856	726	194,144	4	-	166	394	1	42	
Koch Bros. Breaker (B)	25	Schuyl.	-	-	-	-	P	-	-	286	6	-	-	
Kocher, Leon Valley View (B)	25	"	-	-	-	-	P	-	-	290	9	-	-	
Kohinoor Coal Co. Kohinoor (Strip) (B)	20	"	44,225	8,126	976	211	53,538	-	-	87	105	-	4	
Koppenhaver, Howard Mine	25	Dauphin	2,430	15,180	-	-	17,610	-	2	226	15	-	-	
K. P. T. Coal Co. Stripping	10	Luzerne	4,360	-	-	-	4,360	-	-	39	14	-	-	

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oves	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat							
			By railroad	By truck	to trade	and heat							
Krall, James Mine	23	North'd.	2,186	146	103	-	2,435	-	1	89	12	-	3
Kurchock Coal Co. HiFusion Mine (B)	19	Schuyl.	-	700	-	-	700	-	-	56	34	-	-
Lamar Coal Co. Lamar (B)	25	"	-	-	-	-	P	-	-	118	26	-	-
Landingville Coal Co. Landingville (Bank) (B)	19	"	1,050	10,741	-	-	11,791	-	-	218	6	-	-
Latsha Coal Co. Mine	24	North'd.	-	8,560	-	-	8,560	-	1	301	12	-	1
Lattimer Coal Corp. Humboldt (Mine) (B)	15	Luzerne	34,225	7,082	5,688	2,034	49,029	1	-	189	105	-	15
" Stripping	15	"	57,055	12,716	8,102	3,357	81,230	-	-	189	55	-	-
" Bank	15	"	6,238	-	-	-	6,238	-	-	111	6	-	-
Total for Co.			97,518	19,798	13,790	5,391	136,497	1	-		166	0	15
Laychack, Peter Mine	21	Schuyl.	20,203	6,400	7,069	-	33,672	2	-	251	25	-	-
Legal Coal Co. Legal (B)	25	"	-	-	-	-	P	-	-	303	15	-	-
Lehigh Navigation Coal Co. Tamaqua Mine (B)	17	"	207,890	338,510	37,156	3,380	586,936	3	2	143	1510	2	101
" Stripping	17	"	396,523	-	-	-	396,523	-	-	143	240	-	9
" Bank	17	"	42,566	-	-	-	42,566	-	-		14	-	-
Coaldale Mine) (B)	18	Carbon	101,030	53,399	15,580	3,395	173,404	2	-	143	757	-	122)
" Stripping	18	Schuyl.	149,551	203,866	59,483	12,958	425,858	2	-	143	849	-	-
" Bank	18	"	236,159	-	-	-	236,159	-	-	143	160)	-	-
			29,131	-	-	-	29,131	-	-)	-	-
Total for Co.			1,162,850	595,775	112,219	19,733	1,890,577	7	2		3530	2	232

		Production - net tons											
Operators & collieries	Inspection district	County	Shipped to market		Sold to local	Used at colliery	Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			By railroad	By truck	trade	and heat							
Lehigh Valley Coal Co.													
Prospect (B)	9	Luzerne	-	-	-	-	P	4	-	7	136	-	1
Westmoreland Mine	9	"	24,707	7,208	4,373	260	36,548	2	-	30	547	-	11
" Stripping	9	"	16,092	-	-	-	16,092	-	-	105	7	-	-
Henry Mine	10	"					232,025	4	-	136	674	1	65
" Stripping	10	"					31,336	-	-			-	-
Sub-Total, Henry			179,718	56,756	23,737	3,150	263,361	6	-		674	1	65
Dorrance Mine (B)	11	"	126,016	47,495	23,727	24,754	221,992	2	-	147	703	1	51
" Stripping	11	"	13,550	-	-	1,805	15,355	-	-	97	6	-	-
Franklin Mine	11	"	13,091	4,781	3,251	2,911	24,034	1	-	35	262	-	8
Hazleton Shaft Mine (B)	15	"	370,686	87,756	44,848	35,491	538,781	3	-	153	1654	1	98
" " Stripping	15	"	42,185	9,987	5,104	3,536	60,812	-	-	153	90	-	-
Black Ridge Stripping	15	"	17,731	4,198	2,145	1,318	25,392	-	-	274	26	-	-
Cranberry Stripping	15	"	22,501	5,327	2,722	1,892	32,442	-	-	262	22	-	-
Total for Co.			826,277	223,508	109,907	75,117	1,234,809	16	-		4127	3	234
Lehman Coal Co.													
Mine	25	Schuyl.	2,917	5,039	-	-	7,956	1	-	231	7	-	-
Level Coal Co.													
Mine	24	North'd.	1,417	-	-	-	1,417	-	1	36	8	-	-
L. H. T. Coal Co.													
Mine	19	Schuyl.	-	2,360	-	-	2,360	1	-	258	6	-	-
Live Oak Coal Co.													
Breaker (B)	21	"	-	-	-	-	P	-	-	250	13	-	-
L. & M. Coal Co.													
Mine	22	Columbia	18,942	-	-	-	18,942	1	-	281	21	-	1
Locust Creek Coal Co.													
Packer 2-3-4	20	Schuyl.	-	(Maintenance only)				4	-	304	30	-	3
Locust Valley Coal Co.													
Mt. Hazle (Bank) (B)	26	"	35,964	9,034	-	102	45,100	-	-	179	27	-	2
Lohb Coal Co.													
Pine Ridge (Bank) (B)	19	"	21,700	-	-	-	21,700	-	-	128	16	-	-

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Emplo-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to	Used at								
			By railroad	By truck	local trade	colliery for steam and heat								
Lombardi Coal Co.														
Austin Heights Mine	5	Luzerne	10,138	2,621	3,780	32	16,571	-	2	253	22	-	-	
Oak Hill Mine	5	"	3,946	3,570	818	14	8,348	-	1	236	16	-	2	
Total for Co.			14,084	6,191	4,598	46	24,919	-	3		28	-	2	
Lower Region Coal Co.														
Breaker (Mine) (B)	24	North'd.	7,058	-	18,816	50	25,924	-	-	255	9	-	-	
Lucas Bros. Coal Co.														
Mine	27	Schuyl.	-	1,460	-	-	1,460	-	1	89	5	-	-	
Luzerne-Carbon Coal Co.														
Mine	18	Carbon	-	3,402	-	-	3,402	-	1	112	9	-	-	
Lykens Hi-Grade Coal Co.														
Breaker (Mine) (B)	25	Dauphin	-	1,654	-	-	1,654	-	-	16	12	-	-	
Maksimik Contracting Co.														
Banks	20	Schuyl.	1,720	720	245	3	2,688	-	-	26	6	-	-	
Banks	26	"	11,194	3,098	631	5	14,928	0	-	111	19	-	-	
Total for Co.			12,914	3,818	876	8	17,616	-	-		25	-	-	
Malho Coal Co.														
Malho (Mine) (B)	27	"	8,337	19,487	4,927	-	32,751	-	1	293	17	-	3	
Mallio Coal Co.														
Mine	22	"	5,613	-	-	-	5,613	1	-	240	9	-	1	
Maltby Coal Co.														
Maltby Mine	9	Luzerne	36,976	-	-	-	36,976	1	-	195	72	-	8	
Mammoth Coal Co.														
Mammoth (B)	22	Schuyl.	-	-	-	-	P	-	-	245	224	-	4	
" Stripping	22	"	154,139	7,126	4,124	4,065	169,454	-	-	252	37	-	3	
Morris Ridge Stripping	22	Columbia	11,673	-	-	-	11,673	-	-			-	2	
Total for Co.			165,812	7,126	4,124	4,065	181,127	-	-		261	-	9	
Mar Stripping & Excav. Co.														
Stripping	21	Schuyl.	6,094	1,413	1,200	-	8,707	-	-	164	8	-	-	
Stripping	27	"	1,510	131	51	5	1,697	-	-	70	8	-	-	
Total for Co.			7,604	1,544	1,251	5	10,404	-	-		16	-	-	

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal accidents	Non-fatal accidents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total							
			By railroad	By truck										
Marjle Mining Co. Mine	27	Schuyl.	-	48,854	-	31	48,885	-	5	71	43	-	2	
Marko & Co. Mine	26	"	-	2,071	-	-	2,071	-	1	174	8	-	-	
Markson Coal Co. Markson (Mine) (B)	25	"	23,012	9,050	-	-	32,062	2	-	45	226	-	8	
Marquette & Leichty Mine	23	North'd.	4,942	460	574	-	5,976	-	1	287	6	-	-	
Martha Coal Co. Mine	18	Carbon	288	63	43	7	401	-	1	44	7	-	-	
Martinez, Broderick, Bridy Stripping	24	North'd.	-	3,632	-	-	3,632	-	-	53	14	-	-	
Maryd Coal Mining Co. Carbon (Stripping) (B)	19	Schuyl.	39,250	47,690	3,600	150	90,690	-	-	221	102	-	8	
Matrishin Coal Co. Mine	20	"	2,236	341	168	56	2,801	1	-	186	5	-	-	
Maurer, Clark Mine	25	"	2,108	13,172	-	-	15,280	1	-	277	12	-	-	
Maurer Coal Sales Co. Breaker (Mine) (B)	24	North'd.	-	11,764	2,721	-	14,485	-	-	260	8	-	-	
Mazaika Bros. Breaker (Mine) (B)	26	Schuyl.	-	4,277	-	-	4,277	-	-	271	5	-	-	
Mazzoni Coal Co. Mine	1	Lacka.	18,718	-	-	-	18,718	-	1	199	23	-	-	
M. & B. Coal Co. Mine	3	"	267	-	136	8	411	2	-	20	7	1	-	
M. B. & B. Contrg. Co. Stripping	22	Columbia	32,467	-	-	-	32,467	-	-	171	21	-	-	
McHale & Santor Stripping	19	Schuyl.	-	6,470	-	-	6,470	-	-	132	9	-	-	

Operators & collieries	Inspection dist	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat	:							
			By railroad	By truck	:	:								
Meadowside Coal Co.														
Meadowside (B)	3	Lacka.	-	-	-	-	P	-	-	222	24	-	-	
" Bank	3	"	4,128	2,064	688	-	6,880	-	-	209	4	-	-	
" Stripping	3	"	384	192	64	-	640	-	-	31	4	-	-	
Total for Co.			4,512	2,256	752	-	7,520	-	-		32	-	-	
Metro Quarry & Materials Co.														
Stripping	22	Schuyl.	38,411	-	390	33	38,834	-	-	207	27	-	-	
Michaels Mining Co.														
Mine	25	"	69,727	1,063	92	108	70,990	2	-	157	123	-	-	
Mika, John														
Stripping	25	Dauphin	2,231	197	111	8	2,547	-	-	157	15	-	-	
Millard Coal Co.														
Mine	19	Schuyl.	4,820	-	-	-	4,820	1	-	293	9	-	-	
Miller, Franklin														
Breaker (B)	25	"	-	-	-	-	P	-	-	214	9	-	2	
Miller, Rufus														
Mine	25	"	635	3,973	-	-	4,608	-	1	210	8	-	-	
Minichello Coal Co.														
Mine	6	Luzerne	-	640	-	-	640	-	1	66	5	-	-	
Minnichbach & Co., W.														
Mine	21	Schuyl.	-	6,408	-	-	6,408	1	-	269	8	-	-	
M. & M. Coal Co.														
M. & M. (Bank) (W)	19	"	18,881	-	-	-	18,881	-	-	124	15	-	-	
Washery (Bank) (W)	21	"	9,377	7,014	7,050	-	23,441	-	-	135	8	-	-	
Total for Co.			28,258	7,014	7,050	-	42,322	-	-		23	-	-	
M. & N. Coal Co.														
Mine	27	"	670	-	2,679	-	3,349	1	-	157	7	-	-	

Production - net tons

Operators & collieries	Inspection district	County	Shipped to market		Sold to		Used at colliery for steam and heat	Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			By railroad	By truck	local trade	to colliery								
Moffat Coal Co.														
Cayuga Mine	3	Lacka.	71,139	6,632	7,268	5,815	90,854	1	-	-	153	169	-	15
Brisbin Stripping	3	"	7,883	735	806	644	10,068	-	-	-	42	39	-	-
Mt. Pleasant Stripping	3	"	12,635	1,178	1,291	1,033	16,137	-	-	-	151	30	-	-
Rockwell Mine	3	"	27,854	2,597	2,846	2,277	35,574	4	-	-	154	76	-	4
" Stripping	3	"	5,515	514	563	451	7,043	-	-	-	108	40	-	3
Storrs Mine	3	"	315,842	29,446	32,270	25,816	403,374	6	-	-	145	845	-	109
" Stripping	3	"	52,145	4,862	5,327	4,262	66,596	-	-	-	273	58	-	2
Baker (B)	5	"	-	-	-	-	P	-	-	-	94	-	-	-
Moffat (B)	5	"	-	-	-	-	P	-	-	-	154	268	-	4
National Mine Fire	5	"	169	22	23	18	232	-	-	-	135	25	-	1
" Stripping	5	"	955	121	132	100	1,308	-	-	-	36	-	-	-
Archbald Shaft	5	"	36,412	2,139	2,335	2,111	42,997	-	1	-	144	104	-	13
Continental Slope	5	"	89,830	5,141	5,611	5,137	105,719	1	-	-	143	220	-	10
" Stripping	5	"	6,951	883	964	730	9,528	-	-	-	297	5	-	-
Taylor Mine	5	"	85,217	5,151	5,623	4,051	100,042	1	1	-	144	246	-	11
Pyne Mine	5	"	62,903	3,580	3,907	3,571	73,961	1	1	-	144	216	-	13
" Stripping	5	"	46,293	5,881	6,419	4,863	63,456	-	-	-	261	32	-	-
Hyde Park Mine	5	"	45,976	3,041	3,319	2,900	55,236	1	-	-	144	126	-	25
" " Stripping	5	"	7,022	592	647	531	8,792	-	-	-	94	-	-	-
Rogers Mine	5	"	3,351	451	492	373	4,667	1	-	-	155	50	-	6
Leshuk Mine	5	"	5,254	668	729	552	7,203	-	1	-	210	9	-	-
Schuster Mine	5	"	8,166	751	819	660	10,396	-	1	-	244	15	-	2
Papparelli Mine	5	"	137	17	19	15	188	-	1	-	117	9	-	-
Total for Co.			891,649	74,402	81,410	65,910	1,113,371	16	6	-	-	2582	-	218
Moncavage Bros.														
Penna. Stripping	23	North'd.	2,346	169	98	-	2,613	-	-	-	55	5	-	-
Moosic Mountain Coal Co.														
Moosic Mountain (B)	2	Lacka.	-	-	-	-	P	-	-	-	139	16	-	-
" " Stripping	2	"	845	1,032	-	303	2,180	-	-	-	52	4	-	-
Total for Co.			845	1,032	-	303	2,180	-	-	-	-	20	-	-

		Production - net tons										Non-		
		Inspection		: Shipped to market		: Sold Used at						Fatal fatal		
		: dist-		: By		: to colliery		: Total				: acci-		
		: rict		: By		: local for steam		: production		: Gaseous Non-		: dents dents		
Operators & collieries		County	: railroad	: truck	: trade	: and heat			Days	Empl-				
									worked	oves				
Morea Mining Co.														
	Morea (Mine) (B)	26	Schuyl.	5,709	795	435	-	6,939	-	-	103	41	-	5
	New Boston Stripping	26	"	36,087	5,027	2,750	-	43,864	-	-	205	36	-	5
	Total for Co.			41,796	5,822	3,185	-	50,803	-	-		77	-	10
Moss Glen Contracting Co.														
	Stripping	19	"	-	2,600	-	-	2,600	-	-	20	9	-	-
Motley Coal Co.														
	Erie (Mine) (B)	1	Lacka.	15,133	-	12,265	117	27,515	-	3	189	71	2	5
	" Stripping	1	"	7,395	-	6,052	-	13,447	-	-	164	6	-	-
	" Bank	1	"	5,509	-	-	-	5,509	-	-	20	7	-	-
	Total for Co.			28,037	-	18,317	117	46,471	-	3		84	2	5
Mountain Coal Co.														
	Mine	6	Luzerne	-	5,314	-	-	5,314	-	1	214	14	-	-
Mountain Slope Coal Co.														
	Mine	5	Lacka.	809	4,448	2,133	-	7,390	-	1	210	19	-	-
Mountain Top Coal Co.														
	Tomhicken Stripping	15	Luzerne	1,340	-	-	-	1,340	-	-	17	15	-	-
	Junedale (B)	18	Carbon	-	-	-	-	P	-	-	61	10	-	2
	Stripping	18	"	871	357	474	4	1,706	-	-	62	9	-	-
	Total for Co.			2,211	357	474	4	3,046	-	-		34	-	2
Moyer, Lloyd														
	Mine	25	Schuyl.	-	6,844	-	-	6,844	-	1	272	11	2	-
Mt. Penn Contracting Co.														
	Stripping	19	"	-	36,308	-	-	36,308	-	-	241	19	-	1
	Stripping	27	"	1,530	612	215	-	2,357	-	-			-	-
	Total for Co.			1,530	36,920	215	-	38,665	-	-		19	-	1
Musick & Klimas														
	Mine	21	"	-	3,934	-	-	3,934	1	-	215	9	-	-
Nagle Contrg. Co., Jos.														
	Stripping	19	"	-	18,200	-	-	18,200	-	-	179	15	-	-
Nay Aug Coal Co.														
	Nay Aug (Bank) (B)	3	Lacka.	35,787	-	-	-	35,787	-	-	175	24	-	-

		Production - net tons												
Operators & collieries	Inspection district	County	Shipped to market		Sold to colliery		Used at for steam and heat	Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			By railroad	By truck	local trade	to colliery								
Neumeister & Geist Mine	27	Schuyl.	139	5,445	6	-	5,590	-	2	214	7	-	-	
Newport Excavating Co. Stripping	7	Luzerne	186,792	-	-	236	187,028	-	-	188	85	-	9	
No. 9 Coal Co. No. 9 Mine (B)	6	"	18,057	4,252	8,063	1,428	31,800	4	-	266	102	-	4	
No. 6 Mine	8	"	215,464	46,347	87,903	1,558	351,272	4	-	225	646	1	154	
" " Stripping	8	"	2,224	483	917	-	3,624	-	-	7	10	-	-	
" " Bank	8	"	4,077	894	1,696	-	6,667	-	-	36	9	-	-	
Total for Co.			239,822	51,976	98,579	2,986	393,363	8	-		767	1	158	
No. 14 Coal Co. No. 14 Mine	8	"	119,840	-	62,688	610	183,138	3	-	219	271	1	72	
" " Stripping	8	"	3,577	-	2,633	44	6,254	-	-	131	5	-	-	
Total for Co.			123,417	-	65,321	654	189,392	3	-		276	1	72	
Northwest Coal Co. Raymond (Mine) (B)	1	Lacka.	34,096	-	30,826	300	65,222	-	1	229	120	-	6	
" " Stripping	1	"	12,592	-	-	-	12,592	-	-	149	22	-	-	
Mine	3	"	12,680	-	-	-	12,680	1	-	175	33	-	4	
Stripping	3	"	942	-	-	-	942	-	-	175	8	-	-	
Total for Co.			60,310	-	30-826	-300	91,436	1	1		183	-	10	
O'Brien, Pat Breaker (B)	25	Schuyl.	-	-	-	-	P	-	-	241	12	-	-	
Old Forge Coal Co. Morgan (B)	5	Lacka.	-	-	-	-	P	-	-	162	25	-	-	
Florine Mine	5	"	9,776	-	5,411	180	15,367	-	2	260	24	-	4	
B. & W. Stripping	5	"	-	2,465	-	-	2,465	-	-	119	4	-	-	
Mine	6	"	7,003	-	800	-	7,803	-	6	220	38	-	-	
Stripping	6	"	74,000	-	805	-	74,805	-	-	265	28	-	-	
Total for Co.			90,779	2,465	7,016	180	100,440	-	8		119	-	4	

Olenick & Sons Mine	21	Schuyl.	2,220	2,006	-	-	4,226	1	-	190	7	-	-
Oneida Engineering Co. Stripping	19	"	-	6,300	-	-	6,300	-	-	59	22	-	-
Cravitz Contracting Co. Banks	20	"	12,572	1,566	202	-	14,340	-	-	57	15	-	1
Otto Bros. Coal Co. Mine	27	"	4,356	13,068	-	-	17,424	-	2	307	13	-	-
Otto Collieries Co. Oakland (B)	27	"	-	-	-	-	P	-	-	209	163	-	13
Bancroft Bank	27	"	36,954	-	1,089	94	38,137	-	-	209	24)	-	-
Oakland Silt Bank	27	"	792	-	23	2	817	-	-	-)	-	-
Total for Co.			37,746	-	1,112	96	38,954	-	-	187	-	-	13
Park Side Coal Co. Blue Diamond (Strip) (B)	10	Sullivan	548	-	-	10	558	-	-	6	10	-	-
Payne Coal Co. Spring Mountain (B)	26	Luzerne	-	-	-	-	P	-	-	74	88	-	1
" " Stripping	26	Carbon	35,137	6,662	6,761	1,744	50,304	-	-	167	28	-	2
Spring Brook Stripping	26	"	-	-	-	-	-	-	-	124	17	-	-
Spring Mountain Bank	26	Luzerne	514	91	108	19	732	-	-	5	3	-	-
Total for Co.			35,651	6,753	6,869	1,763	51,036	-	-	136	-	-	3
Peca Coal Co. Primrose Mine	26	Schuyl.	25,185	3,705	2,438	79	31,407	1	1	192	73	-	2
" Stripping	26	"	10,460	2,185	1,706	446	14,797	-	-	155	66	-	-
Total for Co.			35,645	5,890	4,144	525	46,204	1	1	139	-	-	2
Peerless Coal Co. Mine	24	North'd.	-	8,590	-	-	8,590	1	-	235	8	-	-
Penag Coal Co. Penag (Mine) (B)	25	Schuyl.	18,697	60,362	20,120	1,260	100,439	-	3	262	84	-	8

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Production - net tons

Operators & collieries	Inspection district	County	Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total production	Gaseous	Non-gaseous	Days worked	Empl-oves	Fatal acci-dents	Non-fatal acci-dents
			By railroad	By truck									
Penbrook Coal Co. Penbrook (B)	1	Lacka.	-	-	-	-	P	-	-	194	6	-	-
Penn Rich Contracting Co. Stripping	18	Carbon	34,889	7,081	6,006	1,774	49,750	-	-	245	35	-	-
Penna Coal Co. Penna (B)	19	Schuyl.	-	-	-	-	P	-	-	248	12	-	3
Pennsylvania Coal Co. Underwood Mine (B)	2	Lacka.					19,832	3	-	152	417)	-	4
" Bank	2	"					9,144)		
Sub-Total, Underwood			8,761	-	19,995	220	28,976	3	-		417	-	4
Ewen Mine (B)	8	Luzerne					129,865	1	-	166	511)	-	8
" Bank	8	"					44,165	-	-)		
Sub-Total, Ewen			152,839	-	20,697	494	174,030	1	-		511	-	8
Total for Co.			161,600	-	40,692	714	203,006	4	-		928	-	12
Perry Construction Co. Stripping	1	Lacka.	9,788	-	-	-	9,788	-	-	129	22	-	-
Stripping	2	"	12,240	5,246	-	-	17,486	-	-	150	22	-	-
Total for Co.			22,028	5,246	-	-	27,274	-	-		44	-	-
P. & F. Coal Co. Mine	18	Carbon	9,818	2,326	1,187	694	14,025	-	1	212	32	-	3
Philadelphia & Reading Coal & Iron Co. Newkirk Tunnel	19	Schuyl.	-	33,641	-	1,836	35,477	1	-	53	228	-	3
Pine Knot Stripping	19	"	-	126,025	-	-	126,025	-	-	241	57	-	2
Wadesville Stripping	19	"	-	328,101	-	-	328,101	-	-	234	243	-	9
Knickerbocker Mine	20	"	35,197	5,371	2,646	882	44,096	2	-	33	599	-	21
" Stripping	20	"	108,327	16,530	8,143	2,714	135,714	-	-	291	116	-	17
" Bank	20	"	3,668	560	276	92	4,596	-	-	24	6	-	-
Maple Hill Mine	20	"	230,917	35,236	17,358	5,786	289,297	2	-	147	1098	-	134

Continued

		Production - net tons											
Operators & collieries	Inspection district	County	Shipped to market		Sold Used at		Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			By railroad	By truck	to local trade	to colliery for steam and heat							
Philadelphia & Reading Coal & Iron Co., Contd.													
St. Nicholas Banks	20	Schuyl.	548	84	41	13	686	-	-	2	14	-	-
St. Nicholas Breaker (E)	20	"	-	-	-	-	P	-	-	147	222	-	4
Shenandoah Stripping	20	"	328,209	50,082	24,671	8,224	411,186	-	-	164	438	-	35
Oak Hill Breaker (E)	21	"	-	-	-	-	P	-	-	132	213	1	5
Pine Knot Mine	21	"	-	-	-	-	115,608)	1	-	130	313	2	30
Capparell Stripping (Heckscherville)	21	"	-	-	-	-	214,500)	-	-	213	188	-	-
Capparell Stripping (Oak Hill)	21	"	-	-	-	-	26,628)	-	-	194	31	-	9
Correale Stripping	21	"	-	-	-	-	49,980)	-	-	39	45	-	-
Oak Hill Banks	21	"	-	-	-	-	17,867)	-	-	135	3	-	-
Sub-Total, 21st Dist.			266,184 ✓	107,708 ✓	42,033 ✓	8,658 ✓	424,583	1	-		793	3	44
East Stripping	22	"	78,922	-	-	-	78,922	-	-	144	50	-	4
Alaska Mine	23	North'd.	98,298	7,128	4,238	1,836	111,500	2	-	145	338	-	27
Independent Mines	23	"	19,080	1,381	786	-	21,247	4	-	145	35	-	1
Locust Gap Mine	23	"	330,074	23,892	13,600	6,953	374,519	3	-	143	1220	-	110
" " Stripping	23	"	210,400	15,229	8,670	-	234,299	-	-	230	160	-	8
" " Bank	23	"	-	17,379	-	-	17,379	-	-	266	3	-	-
Locust Summit Breaker (B)	23	"	-	-	-	-	P	-	-	141	306	-	13
North Slush Bank	23	"	170,220	-	-	-	170,220	-	-	219	18	-	-
Reliance Mine	23	"	13,678	990	564	-	15,232	1	-	23	270	1	7
" Stripping	23	"	121,884	8,822	5,023	-	135,729	-	-	183	87	-	4
" Banks	23	"	59,201	4,285	2,439	-	65,925	-	-	219	26	-	1
Bear Valley Stripping	24	"	-	-	-	-	-	-	-	169	36	-	7
Pumping Station	24	"	-	-	-	-	-	-	1	103	4	-	-
United Stripping	24	"	-	7,492	-	-	7,492	-	-	94	13	-	-
Porter Tunnel	25	Schuyl.	27,683	2,445	1,377	89	31,594	1	-	48	164	-	6
Sheridan (Banks) (B)	25	Schuyl.	271,848	2,758	1,677	1,094	277,377	-	-	238	74	-	3
Mahanoy City Mine	26	"	14,320	2,148	1,074	358	17,900	1	1	33	185	-	6
Tunnel Ridge Stripping	26	"	29,598	4,440	2,220	739	36,997	-	-	235	37	-	6
N. Mahanoy Bank	26	"	40,578	6,086	3,044	1,015	50,723	-	-	138	32	-	-

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat							
			By railroad	By truck									
Philadelphia & Reading Coal & Iron Co., Contd.													
Potts) Mine	27	Schuyl.	66,873	4,858	2,689	4,722	79,142			144	257	-)
		North'd.	12,401	897	497	875	14,670			144	44	-	20)
		Columbia	63,896	4,620	2,559	4,510	75,585	2	-	144	236	1)
" Pioneer Stripping	27	North'd.	72,011	5,207	2,884	-	80,102	-	-	182	31	-	2
" Martinez-Brod-erick Stripping	27	Schuyl.	46,756	3,240	1,860	6	51,862	-	-	215	43	-	3
" Bank	27	Columbia	35,898	-	1,058	91	37,047	-	-	32	19	-	-
Hunter Tunnel Mine	27	Schuyl.	692	-	21	2	715	1	-	90	4	-	-
" " Stripping	27	"	28,554	-	842	73	29,469	-	-	172	18	-	-
Buck Run Mine	27	"		(Maintenance only)						365	12	-	2
" " Stripping	27	"								71	20	-	-
Total for Co.			2,785,915	826,635	152,290	50,568	3,815,408	21	1		7556	5	486
Phoenix Contracting Co.													
Ellengowan Bank	20	"	260,211	-	7,671	659	268,541	-	-	148	38	-	-
Boston Run Bank	20	"	30,491	-	898	77	31,466	-	-	62	11)	-	-
St. Nicholas Bank	20	"	25,488	-	752	65	26,305	-	-)	-	-
Knickerbocker Stripping	20	"	9,981	-	293	25	10,299	-	-)	-	-
Alaska-Locust Gap Banks	23	North'd.	119,375	-	3,518	302	123,195	-	-	133	22	-	-
Banks	26	Schuyl.	100,837	-	2,972	256	104,065	-	-	152	18	-	-
Total for Co.			546,383	-	16,104	1,384	563,871	-	-		89	-	-
Phoenix Park Coal Co.													
Phoenix (Mine) (B)	21	"	6,689	2,497	-	-	9,186	1	-	208	62	-	-
Pine Creek Coal Co.													
Breaker (B)	25	"	-	-	-	-	P	-	-	239	17	-	-
Pine Ridge Mining Co.													
Stripping	22	"	33,500	10,354	3,602	50	47,506	-	-	215	15	-	-
Banks	22	"	4,938	1,481	988	-	7,407	-	-	215	7	-	-
Millersville Mine (B)	27	"					5,000	-	-	248	27)	-	-
" Bank	27	"					5,286	-	-)	-	-
Sub-Total, Millersville			6,682	2,656	936	12	10,286	-	-		27	-	-
Total for Co.			45,120	14,491	5,526	62	65,199	-	-		49	-	-

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total							
			By railroad	By truck										
Pioneer City Coal Co. Racket Brook Mine (B) Stripping	1 1	Lacka. "	2,782 10,301	940 3,480	343 1,273	123 456	4,188 15,510	- -	4 -	137 143	35 15	- -	3 -	
Total for Co.			13,083	4,420	1,616	579	19,698	-	4		50	-	3	
Pioneer Excavating Co. Stripping	1	"	51,363	-	-	-	51,363	-	-	249	18	-	-	
P. & J. Coal Co. P. & J. Mine	8	Luzerne	5,626	-	1,147	37	6,810	1	-	207	19	-	-	
Plains-Hilldale Coal Co. No. 14 Drifts Stripping	8 8	" "	55,482 11,371	- -	10,362 1,836	241 34	66,085 13,241	4 -	- -	230 129	146 11	- -	24 -	
Total for Co.			66,853	-	12,198	275	79,326	4	-		157	-	24	
Floskonka Coal Co. Mine	1	Lacka.	24,934	-	-	-	24,934	-	1	217	37	-	-	
Pompey Coal Co. Pompey (Mine) (B) Bank	1 2	" "	64,305 1,606	6,530 865	4,356 -	38 -	75,229 2,471	2 -	- -	197 37	205 3	2 -	18 -	
Total for Co.			65,911	7,395	4,356	38	77,700	2	-		208	2	18	
Port Coal Co. Mine	19	Schuyl.	-	4,670	-	-	4,670	-	1	259	8	-	1	
Potts, Allen Breaker (B)	25	"	-	-	-	-	P	-	-	218	5	-	-	
P. P. & G. Coal Co. Mine	21	"	-	1,280	-	-	1,280	1	-	63	6	-	-	
Price Coal Co. Eagle Hill Bank (B)	19	"	40,228	8,099	650	80	49,057	-	-	192	31	-	-	
Pringle Coal Co. East Boston Mine	10	Luzerne	45,004	-	-	-	45,004	2	-	231	76	-	22	

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oves	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to	Used at	Total							
			By railroad	By truck	local trade	colliery for steam and heat								
Raven Run Coal Co. Germantown Mine)	22	Columbia North'd.	244,949 91,910	- -	- -	1,976 1,001	246,925 92,911	4 -	- -	177 177	479 220	- -	45))	
Total for Co.			336,859	-	-	2,977	339,836	4	-		699	-	45	
Ray & Co. Mine	21	Schuyl.	-	7,113	-	-	7,113	1	-	212	7	-	3	
Reading Briquet Co. Breaker (B)	23	North'd.	-	-	-	-	P	-	-	137	49	-	6	
Recla Coal Co. Mine	27	Schuyl.	-	3,750	-	-	3,750	1	-	141	8	-	1	
Reed Coal Co. Mine	24	North'd.	-	8,200	-	-	8,200	-	1	225	11	-	-	
Reed, Harry & Mark Mine	27	Schuyl.	6,995	3,551	107	-	10,653	-	1	285	9	1	1	
Reevesdale Coal Co. Washery (W)	19	"	6,000	-	-	-	6,000	-	-	60	15	-	-	
Reichner, George Stripping	21	"	27,410	11,748	-	-	39,158	-	-	298	28	-	-	
Reidinger Coal Service Breaker (Mine) (B)	24	North'd.	7,710	12,823	4,437	50	25,020	-	-	271	7	-	-	
Reilly, Charles L. Drifton Bank	15	Luzerne	38,060	-	-	-	38,060	-	-	74	6	-	-	
Oneida Silt Bank	15	Schuyl.	22,242	-	-	-	22,242	-	-	144	10	-	-	
Stripping	25	Lebanon	4,049	357	200	16	4,622	-	-	31	5	-	-	
Total for Co.			64,351	357	200	16	64,924	-	-		21	-	-	
Renninger Coal Co. Mine	21	Schuyl.	15,757	6,753	-	-	22,510	-	1	242	29	-	1	
Repllier Coal Co. Stripping	19	"	-	16,127	-	-	16,127	-	-	59	14	-	2	

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market By railroad	Sold to market By truck	Used at colliery for steam	Used at colliery for trade and heat							
Rhoads Co., Inc. Park #1 & #3 (B) Bank	26	Schuyl.	12,743	-	-	-	12,743	-	-	26	113	-	3
Rick Bros. Penna. Banks	23	North'd.	17,140	-	-	-	17,140	-	-	192	8	-	-
Rickert Bros. Coal Co. Mine	27	Schuyl.	4,401	2,085	66	-	6,552	-	2	290	11	-	3
Rigdosh, George Mine	25	"	-	3,380	-	-	3,380	-	1	69	12	-	-
Riveredge Coal Co. Mine	1	Lacka.	-	1,798	-	-	1,798	-	1	44	21	-	-
Rock Ridge Coal Co. Mine	23	North'd.	-	6,896	-	-	6,896	-	1	287	7	-	-
Rooster Coal Co. Centralia Mine	22	Columbia	2,488	-	-	-	2,488	2	-	30	62	-	2
Rosini Bros. Coal Co. Breaker (Mine) (B)	24	North'd.	77,726	-	-	-	77,726	-	-	193	16	-	-
Fidler Stripping	24	"	15,781	-	-	-	15,781	-	-	137	20	-	-
Total for Co.			93,507	-	-	-	93,507	-	-		36	-	-
Rowland, Robert Stripping	19	Schuyl.	-	4,210	-	-	4,210	-	-	19	14	-	-
Russell Coal Co. Russell (Mine) (B)	6	Lacka.	29,068	17,184	11,443	214	57,909	-	3	214	149	-	10
Rymar Coal Co. Mine	26	Schuyl.	-	3,358	-	-	3,358	-	1	197	9	-	1
Ryon Coal Co. Stripping	19	"	-	3,294	-	-	3,294	-	-	59	9	-	-
Mine	20	"	960	402	136	2	1,500	1	-	25	2	-	-
Total for Co.			960	3,696	136	2	4,794	1	-		11	-	-

Production - net tons

Operators & collieries	Inspection district	County	Shipped to market		Sold to colliery		Used at for steam and heat	Total production	Gaseous	Non-gaseous	Days worked	Empl-oves	Fatal acci-dents	Non-fatal acci-dents
			By railroad	By truck	local trade	colliery								
			:	:	:	:								
S. A. & J. Coal Co. Mine	27	Schuyl.	125	926	79	-	1,130	-	1	86	5	-	-	
Sabitsky & Co., Anthony Mine	21	"	8,234	3,530	-	-	11,764	1	-	273	9	-	-	
Sanchez Contracting Co. Stripping	19	"	-	28,679	-	-	28,679	-	-	230	32	-	1	
Sando & Provanzo Harwood Stripping	15	Luzerne	1,139	-	-	-	1,139	-	-	20	12	-	-	
Spearpoint Stripping	15	"	3,636	-	-	-	3,636	-	-	77	13	-	-	
Total for Co.			4,775	-	-	-	4,775	-	-		25	-	-	
Sandy Run Miners & Producers Co. Upper Lehigh (B) " " Stripping	15 15	Luzerne "	- 19,819	- 12,373	- 8,725	- -	P 40,917	- -	- -	155 198	27 42	- -	- 1	
Total for Co.			19,819	12,373	8,725	-	40,917	-	-		69	-	1	
Sarf Coal Co. Mine	6	"	33,000	816	-	-	33,816	-	4	201	50	-	4	
Rex (Mine)	8	"	7,497	-	1,457	36	8,990	1	-	207	15	-	-	
Stripping	8	"	11,178	-	1,400	31	12,609	-	-	143	4	-	-	
Total for Co.			51,675	816	2,857	67	55,415	1	4		69	-	4	
Sausnock & Mady Mine	27	Schuyl.	-	10,400	-	-	10,400	2	-	285	13	1	1	
Schneck, Thomas Breaker (B) Mine	25 27	" "	- -	- 23,705	- 2,680	- 80	P 26,465	- -	- 1	300 198	11 35	- -	- -	
Total for Co.			-	23,705	2,680	80	26,465	-	1		46	-	-	
Schock Contracting Co. Stripping	19	"	-	17,100	-	-	17,100	-	-	168	11	-	-	

45

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Caseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market By railroad	Shipped to market By truck	Sold to local trade	Used at colliery for steam and heat							
Schoener Contracting Co. Stripping	19	Schuyl.	-	11,200	-	-	11,200	-	-	192	11	-	-
Schumacher & Son, J. E. Stripping	25	"	4,560	402	226	17	5,205	-	-	4	15	-	-
Kemble Strip.(B)	27	"	48,140	10,878	1,439	92	60,549	-	-	196	42	-	-
Total for Co.			52,700	11,280	1,665	109	65,754	-	-		57	-	-
Schuylkill Contracting Co. Banks (B)	21	"	9,260	2,315	-	-	11,575	-	-	53	24	-	-
Banks	27	"	50,460	-	-	-	50,460	-	-	227	28	-	1
Total for Co.			59,720	2,315	-	-	62,035	-	-		52	-	1
Seltzer Coal Co. Breaker (Mine) (B)	20	"	12,745	10,050	2,056	-	24,851	-	-	151	6	-	-
Sgro & Mekosh Ridge Bank	23	North'd.	19,089	-	-	-	19,089	-	-	148	13	-	-
Shade, Lawrence Mine	25	Schuyl.	1,597	4,523	-	-	6,120	-	2	118	6	-	-
Shallamanda, Steve Stripping	25	"	2,612	230	130	10	2,982	-	-	66	8	-	-
Shenandoah Coal Co. Mine	19	"	-	6,100	-	-	6,100	-	1	204	7	-	-
Sickler Estate C. A. Washery (W)	7	Luzerne	10,570	-	-	-	10,570	-	-	210	8	-	-
Simoes & Co. Mine	26	Schuyl.	-	3,506	-	-	3,506	-	1	234	9	-	-
Simpson Coal Co. Northwest Mine (B)	1	Lacka.	3,617	-	14,155	310	18,082	-	5	219	37	-	-
Stripping	1	"	2,477	-	5,801	-	8,278	-	-	233	8	-	-
Total for Co.			6,094	-	19,956	310	26,360	-	5		45	-	-

Production - net tons

Operators & collieries	Inspection district	County	Shipped to market		Sold to local trade	Used at colliery for steam and heat	Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			By railroad	By truck									
Skytop Coal Co. Skytop (Mine) (B)	26	Schuyl.	5,922	8,470	2,000	- 20	16,412	-	-	90	16	-	-
Snyder Coal Co. Mine	2	Lacka.	15,555	-	10,370	-	25,925	1	-	226	31	-	5
Sobleskie Coal Co. Mine	2	"	8,377	-	5,585	-	13,962	1	-	220	19	-	1
Spearhead Mining Co. Mine	26	Carbon	14,698	700	384	252	16,034	-	3	169	27	-	2
Spencer Coal Co. Breaker (B)	25	Schuyl.	-	-	-	-	P	-	-	266	6	-	-
Spring Creek Coal Co. Tamaqua (Mine) (B)	19	"	-	2,120	-	-	2,120	-	-	264	6	-	-
Spring Glen Coal Co. Mine	25	"	720	2,040	-	-	2,760	-	2	218	7	-	-
Stackhouse Coal Co. Mine	14	Luzerne	-	-	151	-	151	-	1	37	3	-	-
Stanley Coal Co., Inc. Breaker (Mine) (B)	24	North'd.	46,493	-	-	-	46,493	-	-	271	10	-	1
St. Clair Coal Co. St. Clair (Mine) (B)	19	Schuyl.					144,373	2	-	223	421	-	36
" Stripping	19	"					189,176	-	-	223	44	-	2
" Bank	19	"					78,040	-	-	223	16	-	1
Total for Co.			373,845	23,577	9,623	4,544	411,589	2	-		481	-	39
Steam Coals, Inc. Breaker (B)	24	North'd.	-	-	-	-	P	-	-	190	36	-	1
Hickory Stripping	24	"					30,260	-	-	102	9	-	-
Level Mine	24	"					595	-	-	-	-	-	-
Shenandoah Stripping	24	"					51,275	-	-	97	20	-	-
Thomas & Bro. Stripping	24	"					14,110	-	-	110	15	-	-
Rosini Stripping	24	"					3,400	-	-	-	-	-	-
Independent Mines	24	"					46,128	-	-	-	-	-	-
Total for Co.			137,492	-	8,276	-	145,768	-	-		80	-	1

Production - net tons

Operators & collieries	Inspection district	County	Shipped to market		Sold	Used at	Total production	Gaseous	Non-gaseous	Days worked	Employees	Fatal accidents	Non-fatal accidents
			By railroad	By truck	to local	to colliery for steam and heat							
			By railroad	By truck	to local	to colliery for steam and heat							
Steele Contracting Co., Inc., T. F.	15	Luzerne	3,892	-	-	-	3,892	-	1	163	9	-	2
Harwood Mine	15	Schuyl.	19,660	-	-	66	19,726	-	4	112	62	-	4
Oneida Mine	15	Schuyl.	19,660	-	-	66	19,726	-	4	112	62	-	4
Total for Co.			23,552	-	-	66	23,618	-	5		71	-	6
Stefonick, G. & M. Stripping	21	"	8,289	3,553	-	-	11,842	-	-	270	8	-	-
Stevens Coal Co.													
Trevorton (B)	24	North'd.	-	-	-	-	P	-	-	231	193	-	8
A. E. Dick Stripping	24	"	-	-	-	-	426,328	-	-	231	130	-	8
Kessler Bank	24	"	-	-	-	-	237,958	-	-	232	42	-	-
Bridy Bank	24	"	-	-	-	-	27,557	-	-	169	11	-	-
Thomas Bros. Bank	24	"	-	-	-	-	4,543	-	-	20	12	-	-
T. & T. Bank	24	"	-	-	-	-	18,469	-	-	21	14	-	-
Kettle Mine	24	"	-	-	-	-	24,068	-	2	231	22	-	3
Konyar Mine	24	"	-	-	-	-	6,430	1	-	216	5	-	-
Springfield Mine	24	"	-	-	-	-	45,872	-	2	231	26	-	1
West End Mine	24	"	-	-	-	-	9,993	-	1	238	7	-	-
Independent Mines	24	"	-	-	-	-	36,334	-	8	231	50	-	-
Sub-Total, Trevorton			754,799	82,372	-	381	837,552	1	13		512	-	20
Zerbe (B)	24	"	-	-	-	-	P	-	-	86	52	-	1
T. & T. Bank	24	"	-	-	-	-	45,966	-	-	86	23	-	-
Kessler Bank	24	"	-	-	-	-	78,930	-	-	86	24	-	-
Miller Bros. Bank	24	"	-	-	-	-	747	-	-	21	7	-	-
Sub-Total, Zerbe			125,643	-	-	-	125,643	-	-		106	-	1
Westwood Mine (B)	25	Schuyl.	-	-	-	-	23,869 P	-	-	186	170)	-	6
" Stripping	25	"	-	-	-	-	5,968	-	-)	-	-
" Bank	25	"	-	-	-	-	5,807	-	-)	-	-
Sub-Total, Westwood			31,231	2,758	1,554	101	35,644	-	-		170	-	6
Lorberry (Bank) (B)	25	"	9,549	-	-	-	9,549	-	-	18	27	-	-
Total for Co.			921,222	85,130	1,554	482	1,008,388	1	13		815	-	27

Production - net tons

Operators & collieries	Inspection district	County	Shipped to market		Sold	Used at	Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			By railroad	By truck	to local trade	for steam and heat							
			:	:	:	:							
Stiely, Wellington Stripping	27	Schuyl.	6,574	20,760	6,920	350	34,604	-	-	280	13	-	-
Stump, F. B. Mine	25	"	7,572	8,718	605	40	16,935	-	1	231	10	-	-
Sullivan Trail Coal Co. Clear Spring Shops	9	Luzerne			(Repairs)					237	60	-	10
Buck Mountain Stripping	26	Schuyl.	45,430	-	-	-	45,430	-	-	247	28	-	-
Total for Co.			45,430	-	-	-	45,430	-	-		88	-	10
Sunshine Coal Co. Mine	1	Lacka.	10,525	1,169	-	-	11,694	-	1	234	11	-	-
Sunshine Coal Co. Breaker (Mine) (B)	24	North'd.	203	8,214	6,056	-	14,473	-	-	219	7	-	-
Susquehanna Collieries Div. M. A. Hanna Co.													
No. 7 Mine	14	Luzerne	215,999	2,586	25,849	4,407	248,841	4	-	186	561	2	40
Biscontini Stripping	14	"	25,114	-	-	-	25,114	-	-	189	8	-	-
Glen Lyon Mine (B)	14	"	220,482	110,793	21,893	8,859	362,027	5	-	186	920	4	84
Biscontini Stripping	14	"	48,415	-	-	-	48,415	-	-	214	31	-	-
Alden Mine	14	"	25,673	-	-	-	25,673	2	-	205	40	-	6
Biscontini Stripping	14	"	19,876	-	-	-	19,876	-	-	195	14	-	-
Logan Basin Stripping	22	Columbia	91,647	-	-	-	91,647	-	-	147	61	-	7
Glen-Burn Mine (B)	24	North'd.	151,159	95,207	44,588	1,262	292,216	1	-	169	454	2	74
Maysville #1 Mine	24	"	110,962	-	-	260	111,222	1	-	185	178	-	42
Maysville #2 Mine	24	"	69,042	-	-	176	69,218	1	-	184	131	-	8
K. & H. Stripping	24	"	33,452	-	-	-	33,452	-	-	135	9	-	-
United Stripping	24	"	6,712	-	-	-	6,712	-	-	57	8	-	-
Capitol Stripping	24	"	10,066	-	-	-	10,066	-	-	16	15	-	-
Thomas & Bro. Stripping	24	"	827	-	-	-	827	-	-	10	8	-	-
Total for Co.			1,029,426	208,586	92,330	14,964	1,345,306	14	-		2438	8	261
Sussex Coal Co. Mine	6	Luzerne	8,997	18,107	-	-	27,104	-	5	201	36	-	-

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oves	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to	Used at	Total							
			By railroad	By truck	local trade	for steam and heat								
Swartzlander Coal Co. Mine	27	Schuyl.	-	10,660	-	-	10,660	-	1	187	9	-	3	
Swatara Coal Co. Breaker (B)	21	"	-	-	-	-	P	-	-	273	22	-	-	
Swift Coal Co. Breaker (Mine) (B)	24	North'd.	-	25,482	-	-	25,482	-	-	288	8	-	-	
Swoyer Coal Co. Mine	2	Lacka.	2,116	2,587	-	-	4,703	1	-	188	9	-	1	
Tamaqua Coal Pockets Tamaqua (Bank) (B)	19	Schuyl.	-	6,200	-	-	6,200	-	-	129	5	-	-	
Tarrone Coal Co. Stripping	22	"	5,794	-	-	-	5,794	-	-	118	7	-	-	
Tenaglia Coal Co. Mine	22	"	3,234	-	-	-	3,234	1	-	124	8	-	-	
Thomas & Bro., W. H. Stripping	27	"	3,231	1,281	452	-	4,964	-	-	69	17	-	1	
Throop Mining Co. Mine	2	Lacka.	1,112	5,068	-	-	6,180	1	-	181	12	-	2	
Tolerico Coal Co. Stripping	1	"	14,185	-	-	-	14,185	-	-	278	13	-	-	
Trail Coal Co. Mine	19	Schuyl.	-	4,150	-	-	4,150	1	-	34	32	-	-	
Troup & Neumeister Mine	27	"	7,146	513	290	504	8,453	-	1	219	10	-	-	
T. & T. Contracting Co. Bank	19	"	-	29,800	-	-	29,800	-	-	103	11	-	-	
Bank	23	North'd.	64,435	-	-	-	64,435	-	-	148	16	-	4	
Bank	25	Schuyl.	34,846	3,078	1,733	113	39,770	-	-	134	10	-	1	
Total for Co.			99,281	32,878	1,733	113	134,005	-	-	37	-	-	5	
Tunnel Coal Co. Mine	27	"	22,129	-	653	56	22,838	1	-	145	22	-	1	

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Empl-oves	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat							
			By railroad	By truck									
Turnpike Coal Co.													
Mine	2	Lacka.	23,370	15,580	15,734	-	54,684	3	2	244	97	-	9
Stripping	2	"	8,361	2,787	-	-	11,148	-	-	150	4	-	-
Total for Co.			31,731	18,367	15,734	-	65,832	3	2		101	-	9
U. & M. Coal Co.													
Mine	3	Lacka.	3,735	-	-	-	3,735	1	-	58	30	-	-
Underkoffler, H. Breaker (B)	25	Dauphin	-	-	-	-	P	-	-	263	14	-	-
United Contracting Co. Stripping	19	Schuyl.	-	4,120	-	-	4,120	-	-	54	12	-	-
Valley Construction Co. Mine	27	"	6,882	3,511	105	-	10,498	-	1	267	7	-	-
Stripping	27	"	331	3,494	5	-	3,830	-	-	93	5	-	-
Total for Co.			7,213	7,005	110	-	14,328	-	1		12	-	-
Valley View Coal Co.													
Banks	6	Luzerne	20,113	-	-	-	20,113	-	-	76	6	-	-
Valley View (Banks) (B)	8	"	11,756	8,940	6,284	108	27,088	-	-	225	38	-	-
Total for Co.			31,869	8,940	6,284	108	47,201	-	-		44	-	-
V. Coal Co. Mine	6	Lacka.	-	1,304	-	-	1,304	-	2	103	13	-	-
Venture Coal Co. Mine	2	"	2,955	3,611	-	-	6,566	1	-	207	8	-	1
Village Slope Coal Co. Mine	2	"	21,198	25,908	4,873	-	51,979	3	-	215	115	-	-
Vlasuk Coal Co. Mine	20	Schuyl.	3,037	715	92	-	3,844	1	-	131	9	-	-
Volpe & Linde Bank	2	Lacka.	400	215	-	-	615	-	-	20	4	-	-
Waddell Coal Co. Waddell (Mine) (B)	1	"	12,540	-	7,463	529	20,532	-	13	236	106	-	4

Production - net tons

Operators & collieries	Inspection district	County	Production - net tons				Total production	Gaseous	Non-gaseous	Days worked	Emp-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold Used at								
			By railroad	By truck	to local trade	to colliery for steam and heat							
Walaitis Coal Co. Mine	27	Schuyl.	6,677	3,381	102	-	10,160	1	-	290	11	-	3
Walinchus, William Stripping	25	"	1,400	425	-	-	1,825	-	-	64	5	-	-
Waterhole Partners Mine	27	"	1,396	104	-	-	1,500	-	1	83	5	-	-
Wat-Rap Coal Co. Spring Brook Mine	26	Carbon	21,538	2,240	119	87	23,984	1	1	149	42	1	10
Wessner Coal Co. Breaker (Mine) (B)	26	Schuyl.	-	6,875	-	-	6,875	-	-	240	5	-	-
West Cameron Coal Co. Mine	24	North'd.	-	23,232	-	-	23,232	1	-	278	15	-	2
West Exeter Coal Co. West Exeter Mine	9	Luzerne	18,224	-	-	-	18,224	1	-	183	27	-	4
West Side Coal Co. West Side Mine	10	"	2,377	-	-	-	2,377	-	1	37	27	-	-
Weston Coal Co. Mine	19	Schuyl.	-	6,558	-	-	6,558	-	1	143	6	1	-
Morea Stripping	26	"	56,044	8,406	4,203	1,401	70,054	-	-	246	115	-	18
Total for Co.			56,044	14,964	4,203	1,401	76,612	-	1		121	1	18
Weston Dodson & Co., Inc. Dodson Mine (B)	18	Carbon	549,004	-	-	17,956	566,960	5	-	144	1456	2	91
Stripping	18	"	261,055	-	-	-	261,055	-	-	144	252	-	4
Bank	18	"	2,796	-	-	-	2,796	-	-	-	-	-	-
Total for Co.			812,855	-	-	17,956	830,811	5	-		1708	2	95
White Ash Coal Co. Otto Mine	27	Schuyl.	376	30	17	-	423	-	-	-	-	-	-
Williamstown Coal Co. Mine	25	"	5,093	375	-	-	5,468	1	-	87	9	-	-

Operators & collieries	Inspection district	County	Production - net tons					Total production	Gaseous	Non-gaseous	Days worked	Empl-oyes	Fatal acci-dents	Non-fatal acci-dents
			Shipped to market		Sold to local trade	Used at colliery for steam and heat								
			By railroad	By truck										
Wyll Construction Co. Park Stripping	26	Schuyl.	8,640	5,660	1,125	-	15,425	-	-	83	21	-	-	
Wyoming Coal Co. No. 14 Bank	8	Luzerne	10,740	-	6,351	67	17,158	-	-	88	6	-	-	
Yaccino Construction Co. Stripping	18	Carbon	2,957	695	367	109	4,128	-	-	219	19	-	-	
Yodis Coal Co. Mine	22	Columbia	1,046	-	-	-	1,046	1	-	237	6	-	-	
York Enterprise Coal Co. Silt Banks	6	Luzerne	10,000	-	-	-	10,000	-	-	20	8	-	-	
York Tunnel Coal Co. Mine	21	Schuyl.	10,434	4,473	-	-	14,907	1	-	250	19	-	5	
udacufski Bros. Contracting Co. Weston #9 Silt Bank	20	"	53,953	-	-	-	53,953	-	-	126	7	-	-	
Zimmerman, Marlin Mine	25	"	132	5,990	376	2	6,500	-	1	195	7	-	-	
Zimmerman, Ray Mine	25	"	311	17,291	810	9	18,421	-	2	210	17	-	-	
REGION TOTAL			22,044,373	5,251,000	2,551,474	648,544	30,495,391	391	267	179	56,952	59	3,973	

Production, How Shipped, Average Days Worked, Employees, Explosives,
Fatal and Non-Fatal Accidents, and Man-Days
By Inspection District

Year 1953

Dist- rict	Production - net tons				Total production	Pounds : black powder : used	Pounds dynamite used	Pounds permiss- ible ex- plosives used	Days worked	Empl- oyes	Fatal acci- dents	Non- fatal acci- dents	Man-days
	Shipped to market		Sold	Used at									
	By : railroad	By : truck	: to : local : trade	colliery for steam and heat									
1	819,034	14,387	163,478	72,125	1,069,024	-	625,897	656,250	196	1,775	4	69	347,427
2	455,178	93,509	102,973	48,639	700,299	-	133,118	543,280	141	1,795	-	83	252,731
3	718,948	50,782	69,723	60,752	900,205	-	116,290	506,680	145	2,473	3	162	358,711
5	615,576	57,842	126,381	42,537	842,336	-	123,533	502,525	179	2,341	-	153	419,435
6	353,666	85,672	25,377	2,279	466,994	-	79,550	277,450	188	727	1	30	136,918
7	833,192	45,781	59,872	13,868	952,713	-	1,372,205	250,200	181	2,251	4	176	407,358
8	782,170	56,664	237,740	4,023	1,080,597	-	23,825	893,998	239	2,101	3	300	502,111
9	538,945	185,031	248,150	30,617	1,002,743	-	35,088	646,032	173	3,252	2	254	563,991
10	635,951	98,380	195,519	15,755	945,605	1,900	1,001,786	377,750	181	2,026	1	182	367,336
11	622,495	52,276	90,220	57,520	822,511	-	261,601	351,175	175	2,602	3	189	456,366
12	597,682	-	120,815	26,927	745,424	-	1,068,449	211,703	190	1,526	1	82	290,580
13	658,139	33,378	161,066	32,360	884,943	-	338,369	500,200	155	3,106	7	209	481,258
14	1,282,998	126,710	75,065	31,063	1,515,836	-	605,992	793,828	211	2,981	7	233	628,339
15	1,130,264	408,352	192,464	53,762	1,784,842	-	2,845,231	575,066	192	3,491	1	225	670,225
17	646,979	338,510	37,156	3,380	1,026,025	-	1,781,690	267,125	188	1,764	2	110	332,177
18	1,698,136	275,169	85,175	38,186	2,096,666	-	1,972,899	693,717	186	3,695	2	233	686,959
19	626,291	1,003,431	22,776	7,098	1,659,596	-	4,549,350	521,000	187	1,908	1	107	357,622
20	1,238,718	160,636	76,351	19,132	1,494,837	-	3,633,658	185,941	144	2,804	-	219	404,944
21	569,423	281,095	70,407	9,100	930,025	-	2,296,282	273,793	177	1,491	4	89	263,689
22	1,797,142	246,432	67,613	40,590	2,151,777	-	5,117,783	953,280	194	3,272	2	300	634,980
23	1,446,261	252,610	52,412	9,316	1,760,599	-	2,158,539	302,367	153	2,781	1	189	426,207
24	1,667,953	517,120	110,321	3,885	2,299,279	-	1,812,686	318,620	212	1,873	2	160	396,412
25	738,195	226,698	36,421	3,368	1,004,682	-	105,945	258,585	149	1,431	2	37	212,803
26	902,931	209,567	59,748	10,069	1,182,315	-	2,324,586	188,328	146	1,742	1	86	254,289
27	668,106	430,968	64,251	12,193	1,175,518	-	307,560	673,571	182	1,744	5	96	317,016
	22,044,373		2,551,474		30,495,391	1,900		11,722,464	179		59		10,169,884
		5,251,000		648,544			34,691,912			56,952		3,973	

SUMMARY OF STATISTICS

Anthracite Division

Number of operators	415
" " mines	658
" " " (gaseous)	391
" " " (non-gaseous)	267
" " shafts	107
" " slopes	471
" " drifts	80
" " breakers	169

PRODUCTION: Net tons	
Deep mined	17,719,324
Stripping	8,883,984
Bank	<u>3,892,083</u>
Total	<u>30,495,391</u>

HOW COAL IS SHIPPED, ETC.

By railroad	22,044,373
By truck	5,251,000
Sold to local trade	2,551,474
Used at colliery for steam and heat	648,544

EMPLOYEES:

Inside	35,638
Outside	<u>21,314</u>
Total	<u>56,952</u>
Stripping (included with outside)	6,514

EXPLOSIVES:

Pounds black powder used	1,900
" dynamite "	34,691,912
" permissible "	<u>11,722,464</u>
Total	<u>46,416,276</u>

FATAL ACCIDENTS:

Inside	55
Outside	<u>4</u>
Total	<u>59</u>

NON-FATAL ACCIDENTS: 3,973

FATALITIES PER MILLION TONS PRODUCED: 1.93

PRODUCTION PER FATAL: Tons

Deep mined	322,170
Total	516,871

REPORT COVERING
SMALL MINES

REPORT COVERING MINES EMPLOYING FEWER THAN

FIVE PERSONS, BUT NOT FEWER THAN TWO

1953

Dist- rict	Number of mines	Number of employes all mines	Aggregate number of man-days worked	Total production all mines	Fatal acci- dents	Non- fatal acci- dents	Produc- tion per fatal accident
1	9	26	3,014	6,701	-	-	-
2	8	25	1,465	15,690	-	-	-
3	8	28	860	11,710	-	-	-
5	7	24	1,049	14,070	-	-	-
6	3	9	130	3,400	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-
15	5	12	820	1,543	-	-	-
17	-	-	-	-	-	-	-
18	2	8	105	1,032	-	-	-
19	51	146	195	116,250	1	6	116,250
20	12	42	1,624	27,846	-	6	-
21	42	145	36,250	108,750	-	-	-
22	114	343	21,964	135,068	-	21	-
23	73	258	34,631	144,116	1	2	144,116
24	155	545	28,240	386,392	1	18	386,392
25	174	622	139,534	414,568	1	14	414,568
26	73	284	56,822	87,636	-	2	87,636
27	122	407	60,437	179,759	-	8	-
	858	2,924	387,140	1,654,531	4	77	413,633

SUMMARIES

INCLUDING:

PRODUCTION PER FATAL INSIDE AND
OUTSIDE BY DISTRICT;
PRODUCTION BY COUNTY;
OPERATORS WHO PRODUCED 10,000
TONS OR MORE; ETC.

FATALITIES INSIDE, OUTSIDE, AND TOTAL; PRODUCTION PER FATAL INSIDE, AND PRODUCTION
PER FATAL INSIDE AND OUTSIDE - BY OPERATOR

1953

Operator	Deep mined production	Stripping production	Bank production	Total production	Fatal- ities inside	Fatal- ities outside	Fatal- ities total	Production per fatal deep mined	Production per fatal inside & outside	Empl- oyes
Lehigh Navigation Coal Co. Philadelphia & Reading Coal & Iron Co.	1,186,198	632,682	71,697	1,890,577	2	-	2	593,099	945,289	3530
Hudson Coal Co.	1,226,582	1,947,006	641,820	3,815,408	4	1	5	306,646	763,082	7556
Weston Dodson & Co., Inc.	1,950,007	205,552	47,518	2,203,077	3	1	4	650,002	550,769	5583
Lehigh Valley Coal Co.	566,960	261,055	2,796	830,811	2	-	2	283,480	415,406	1708
No. 9 Coal Co.	1,053,380	181,429	-	1,234,809	3	-	3	351,127	411,603	4127
Harry E. Coal Co.	383,072	3,624	6,667	393,363	1	-	1	383,072	393,363	767
Glen Alden Coal Co.	214,091	101,899	7,016	323,006	1	-	1	214,091	323,006	400
Indian Head Coal Co.	3,034,669	288,657	-	3,323,326	12	1	13	252,889	255,640	9835
Hammond Coal Co.	127,282	114,821	-	242,103	1	-	1	127,282	242,103	389
Knox Coal Co.	280,623	184,878	-	465,501	2	-	2	140,312	232,751	868
No. 14 Coal Co.	194,144	-	-	194,144	1	-	1	194,144	194,144	394
Susquehanna Collieries Div.	183,138	6,254	-	189,392	1	-	1	183,138	189,392	276
M. A. Hanna Co.	1,109,197	236,109	-	1,345,306	8	-	8	138,650	168,163	2438
Heidelberg Coal Co.	94,279	44,356	-	138,635	1	-	1	94,279	138,635	200
Jos. P. Dando, Sr.	83,894	-	-	83,894	1	-	1	83,894	83,894	94
Weston Coal Co.	6,558	70,054	-	76,612	1	-	1	6,558	76,612	121
Pompey Coal Co.	75,229	-	2,471	77,700	2	-	2	37,615	38,850	208
Wat-Rap Coal Co.	23,984	-	-	23,984	1	-	1	23,984	23,984	42
Motley Coal Co.	27,515	13,447	5,509	46,471	1	1	2	27,515	23,236	84
Genelow Mining Co.	15,530	-	-	15,530	1	-	1	15,530	15,530	41
Harry & Mark Reed	10,653	-	-	10,653	1	-	1	10,653	10,653	9
Sausnock & Mady	10,400	-	-	10,400	1	-	1	10,400	10,400	13
Falls Coal Co.	3,994	-	-	3,994	1	-	1	3,994	3,994	7
Lloyd Moyer	6,844	-	-	6,844	2	-	2	3,422	3,422	11
M. & B. Coal Co.	411	-	-	411	1	-	1	411	411	7
Region	17,719,324	8,883,984	3,892,083	30,495,391	55	4	59	322,170	516,871	56,952
For operators having fatalities	11,868,634	4,291,823	785,494	16,945,951	55	4	59	215,794	287,220	38,708

PRODUCTION PER FATAL INSIDE, AND PRODUCTION PER FATAL INSIDE AND OUTSIDE

By Inspection District - 1953

Dist- rict	Inspector	Deep mined production	Stripping production	Bank production	Total production	Fatal- ities inside	Fatal- ities outside	Fatal- ities total	Production per fatal deep mined	Production per fatal inside & outside
1	J. F. Munley	615,712	447,803	5,509	1,069,024	3	1	4	205,237	267,256
2	T. L. Wackley	637,827	50,242	12,230	700,299	-	-	-	-	-
3	W. G. Ward	727,541	102,507	70,157	900,205	2	1	3	363,771	300,068
5	T. D. Rees	689,493	119,093	33,750	842,336	-	-	-	-	-
6	J. J. Bonner	275,664	152,445	38,885	466,994	1	-	1	275,664	466,994
7	A. Wilson	656,160	285,983	10,570	952,713	3	1	4	218,720	238,178
8	D. H. Connelly	949,791	35,728	95,078	1,080,597	3	-	3	316,597	360,199
9	D. W. Cosslett	913,802	16,092	72,849	1,002,743	2	-	2	456,901	501,372
10	J. C. Hines	668,932	261,700	14,973	945,605	1	-	1	668,932	945,605
11	T. M. Beaney	786,882	35,629	-	822,511	3	-	3	262,294	274,170
12	E. C. Curtis	564,359	156,104	24,961	745,424	1	-	1	564,359	745,424
13	J. D. Edwards	818,432	66,511	-	884,943	7	-	7	116,919	126,420
14	K. C. Lee	1,252,897	262,939	-	1,515,836	7	-	7	178,985	216,548
15	R. Ditzler	933,729	713,999	137,114	1,784,842	1	-	1	933,729	1,784,842
17	Acting Inspectors	586,936	396,523	42,566	1,026,025	2	-	2	293,468	513,013
18	J. J. Shober	1,208,051	552,798	335,817	2,096,666	2	-	2	604,026	1,048,333
19	T. A. Ryan	261,118	1,155,501	242,977	1,659,596	1	-	1	261,118	1,659,596
20	J. H. Morgan	446,018	610,737	438,082	1,494,837	-	-	-	-	-
21	H. Hilbert	377,769	479,914	72,342	930,025	3	1	4	125,923	232,506
22	R. O. Schneider	1,006,161	932,746	212,870	2,151,777	2	-	2	503,081	1,075,889
23	J. P. Brophy	615,523	473,886	671,190	1,760,599	1	-	1	615,523	1,760,599
24	J. R. Ruane	1,276,815	608,294	414,170	2,299,279	2	-	2	638,408	1,149,640
25	W. Davis	440,989	209,633	354,060	1,004,682	2	-	2	220,495	502,341
26	J. B. Reinoehl	294,541	485,669	402,105	1,182,315	1	-	1	294,541	1,182,315
27	H. E. Shomper	714,182	271,508	189,828	1,175,518	5	-	5	142,836	235,104
Region		17,719,324	8,883,984	3,892,083	30,495,391	55	4	59	322,170	516,871

ANTHRACITE PRODUCTION (DEEP MINED, STRIPPING AND BANK), EMPLOYES & FATALITIES

By County

Year 1953

County	Deep mined	Stripping	Bank	Total Production	Employes	Fatal- ities
Carbon	868,654	386,496	306,686	1,561,836	2,987	3
Columbia	417,541	291,061	37,047	745,649	1,298	1
Dauphin	19,264	2,547	-	21,811	71	-
Lackawanna	2,684,888	774,086	96,668	3,555,642	8,496	7
Luzerne	7,777,509	1,993,361	431,057	10,201,927	23,974	30
Northumberland	1,999,919	1,162,282	1,085,360	4,247,561	4,949	3
Schuylkill	3,934,022	4,273,593	1,935,265	10,142,880	15,116	15
Sullivan	17,527	558	-	18,085	61	-
Region	17,719,324	8,883,984	3,892,083	30,495,391	56,952	59

1953

Operator	Production	Operator	Production
Philadelphia & Reading Coal & Iron Co.	3,815,408	Jos. Banks Constr'n.Co.	69,336
Glen Alden Coal Co.	3,323,326	Alpec Coal Co.	69,304
Hudson Coal Co.	2,203,077	Hydrated Anthracite Fuel Co.	67,112
Lehigh Navigation Coal Co.	1,890,577	Turnpike Coal Co.	65,832
Susquehanna Collieries Div.		J. E. Schumacher & Son	65,754
M. A. Hanna Co.	1,345,306	Pine Ridge Mng. Co.	65,199
Lehigh Valley Coal Co.	1,234,809	Deweese Coal Co.	65,184
Moffat Coal Co.	1,113,371	Charles L. Reilly	64,924
Stevens Coal Co.	1,008,388	Diminick Coal Sales Co.	63,773
Weston Dodson Co., Inc.	830,811	Greenwood Mining Co.	63,579
Jeddo-Highland Coal Co.	727,216	Garote & Martin	63,329
Phoenix Contracting Co.	563,871	Schuykill Contr'g. Co.	62,035
Gilberton Coal Co.	468,769	Capitol Coal Co.	61,379
Hammond Coal Co.	465,501	Russell Coal Co.	57,909
St. Clair Coal Co.	411,589	Draper Contr'g. Co.	56,079
No. 9 Coal Co.	393,363	Sarf Coal Co.	55,415
Raven Run Coal Co.	339,836	Gowen Coal Co.	55,382
Harry E. Coal Co.	323,006	Garber Contr'g. Co.	54,007
Indian Head Coal Co.	242,103	Yudacufski Bros.	53,953
Hazle Brook Coal Co.	205,401	Kohinoor Coal Co.	53,538
Pennsylvania Coal Co.	203,006	Cyclone Coal Co.	52,581
Knox Coal Co.	194,144	Bellevue Coal Co.	52,129
John G. Connell	192,330	Village Slope Coal Co.	51,979
No. 14 Coal Co.	189,392	Pioneer Excavating Co.	51,363
Newport Excavating Co.	187,028	Payne Coal Co.	51,036
Mammoth Coal Co.	181,127	Morea Mining Co.	50,803
Steam Coals, Inc.	145,768	Penn Rich Contr'g. Co.	49,750
Heidelberg Coal Co.	138,635	Kingston Mining Corp.	49,577
Lattimer Coal Corp.	136,497	Price Coal Co.	49,057
Kehoe-Berge Coal Co.	134,686	Marjle Mining Co.	48,885
Carbonizing Coal Co.	134,683	Valley View Coal Co.	47,201
T. & T. Contracting Co.	134,005	Stanley Coal Co., Inc.	46,493
Conlon Coal Co.	125,632	Motley Coal Co.	46,471
J. Robert Bazley	113,185	Peca Coal Co.	46,204
Jackson Coal Co.	111,560	Sullivan Trail Coal Co.	45,430
Coates Coal Co.	101,475	Locust Valley Coal Co.	45,100
DeAngelis Coal Co.	101,209	Pringle Coal Co.	45,004
Gullen Coal Co.	100,638	Bellaire Coal Sales Co.	42,400
Old Forge Coal Co.	100,440	Fisher Associates	42,362
Penag Coal Co.	100,439	M. & M. Coal Co.	42,322
Diamond Coal Co.	99,459	Atkins Coal Co.	41,869
John Booth, Inc.	98,155	Sandy Run Miners & Producers Co.	40,917
Huss Contracting Co.	97,223	Hoke & Hauptly	40,313
Rosini Bros. Co.	93,507	Reichneider, George	39,158
Northwest Coal Co.	91,436	Otto Collieries Co.	38,954
Maryd Coal Mining Co.	90,690	Metro Quarry & Materials Co.	38,834
Joseph P. Dando, Sr.	83,894	Colitz Coal Co.	38,748
Duryea Anthracite Co.	81,952	Mt. Penn Contr'g. Co.	38,665
D. & Z. Coal Co.	81,063	K. & D. Coal Co.	38,278
Burke Coal Co.	80,460	Bird Mining Co.	38,113
Flains-Hilldale Coal Co.	79,326	Maltby Coal Co.	36,976
Pompey Coal Co.	77,700	Cano & Martin	36,200
Weston Coal Co.	76,612	Nay Aug Coal Co.	35,787
Capone Coal Co.	73,177	Frank Hill, Inc.	35,150
Michaels Mining Co.	70,990		
Beaver Brook Coal Co.	70,595		
Capparell Construction Co.	69,924		

OPERATORS WHO PRODUCED 10,000 OR MORE TONS

1953

Operator	Production	Operator	Production
Wellington Stiely	34,604	F. B. Stump	16,935
Jonathan Coal Mining Co.	33,889	Skytop Coal Co.	16,412
Peter Laychack	33,672	Repllier Coal Co.	16,127
Malho Coal Co.	32,751	Spearhead Mining Co.	16,034
M. B. & B. Contracting Co.	32,467	Herb & Reed	15,600
Markson Coal Co.	32,062	Genelow Mining Co.	15,530
Sanchez Contracting Co.	28,679	Wyll Construction Co.	15,425
Perry Construction Co.	27,274	Haven Coal & Supply Co.	15,308
Sussex Coal Co.	27,104	Clark Maurer	15,280
Gillen Coal Co.	26,759	Boslego Coal Co.	15,100
Thos. Schneck	26,465	York Tunnel Coal Co.	14,907
Simpson Coal Co.	26,360	East Mines Contr'g. Co.	14,800
Snyder Coal Co.	25,925	Maurer Coal Sales Co.	14,485
Lower Region Coal Co.	25,924	Sunshine Coal Co. (North-	
Swift Coal Co.	25,482	umberland Co.)	14,473
K. & H. Contracting Co.	25,387	Oravitz Contr'g. Co.	14,340
Reidinger Coal Service	25,020	Valley Construction Co.	14,328
Floskonka Coal Co.	24,934	Tolerico Coal Co.	14,185
Lombardi Coal Co.	24,919	P. & F. Coal Co.	14,025
Seltzler Coal Co.	24,851	Sobleskie Coal Co.	13,962
Hickory Contracting Co.	24,528	Eliss Coal Co.	13,729
Johnson Coal Sales Co.	24,150	Gerrity Contr'g. Co.	13,502
Wat-Rap Coal Co.	23,984	Rhoads Co., Inc.	12,743
Steele Contracting Co.	23,618	Gaylord Coal Co.	12,635
Bres Contracting Co.	23,323	Dial Rock Coal Co.	12,327
West Cameron Coal Co.	23,232	Grochowski Coal Co.	12,271
Tunnel Coal Co.	22,838	Hoffman Bros.	12,054
Fegley & Tretter	22,821	Forsum Coal Co.	11,890
Ashland Coal Co.	22,662	G. & M. Stefonick	11,842
Beaver Meadow Mining Co.	22,517	Landingville Coal Co.	11,791
Renninger Coal Co.	22,510	Anthony Sabitsky & Co.	11,764
Hentz Coal Co.	22,176	Sunshine Coal Co. (Lacka.Co.)	11,694
E. & E. Coal Co.	21,814	Kettle Coal Co.	11,624
Lohb Coal Co.	21,700	Blaschak Coal Co.	11,565
Waddell Coal Co.	20,532	Chornack Bros.	11,296
Gillizzi Coal Co.	20,104	Schoener Contr'g. Co.	11,200
Dancott Coal Co.	19,787	Broschious & Rumberger	11,104
Pioneer City Coal Co.	19,698	Gianforco Coal Co.	11,041
Al Bain	19,619	Allen Herb	10,892
Fleetwood Contracting Co.	19,459	Swartzlander Coal Co.	10,660
Sgro & Mekosh	19,089	Harry & Mark Reed	10,653
Basin Coal Co.	19,014	Back Basin Coal Co.	10,635
L. & M. Coal Co.	18,942	Sickler Estate	10,570
Gasparini Excavating Co.	18,721	Mar Strip. & Excav. Co.	10,404
Mazzoni Coal Co.	18,718	Sausnock & Mady	10,400
Ray Zimmerman	18,421	E. & H. Coal Co.	10,379
West Exeter Coal Co.	18,224	Walatis Coal Co.	10,160
Nagle Contracting Co., Jos.	18,200	York Enterprise Co.	10,000
Big Five Coal Co.	17,725		
Maksimik Contracting Co.	17,616		
Howard Koppenhaver	17,610		
Gavalis Stripping Co.	17,563		
Bernice White Ash Coal Co.	17,527		
Bowman-Coleman Coal Co.	17,519		
Otto Bros. Coal Co.	17,424		
Wyoming Coal Co.	17,158		
Rick Bros.	17,140		
Hatter Coal Co.	17,128		
Schock Contracting Co.	17,100		

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STRIPE MINING REPORT

STRIPPING REPORT, 1953

Dist- rict	Operator & Stripping	Stripping production	Days worked	Empl- oyes
26	Alpec Coal Co. Springdale	16,205	155	49
24	Al-Penn Contracting Co. Stripping	4,959	49	8
25	Banks, Jos., Constrn. Co. Stripping	69,336	238	18
19	Bazley, J. Robert Stripping	81,000	247	29
23	Stripping	32,185	136	21
	Total for Co.	113,185		50
26	Beaver Brook Coal Co. Beaver Brook	61,230	241	28
1	Bliss Coal Co. Stripping	13,729	223	9
26	B. & M. Coal Co. Silver Brook	7,940	90	16
1	Booth, John, Inc. Stripping	98,155	213	55
1	Botscheller Coal Co. Stripping	3,856	100	5
25	Broschious & Etweller Stripping	4,190	207	11
1	Burke Coal Co. Stripping	80,460	324	83
2	Butler & Savage Stripping	397	18	5
23	Capitol Coal Co. Stripping	43,602	239	29
7	Capparell Constrn. Co. Stripping	69,924	212	51
22	Centralia Mining Co. Centralia	5,262	65	10
22	Coates Coal Co. Stripping	58,071	206	15
19	Colitz Coal Co. Colitz	38,748	96	80
10	Conlon Coal Co. Madeira	86,275	217	*
19	Creek Coal Co. Wolf Creek	2,610	66	13
1	DeAngelis Coal Co. Stripping	26,939	203	35
2	Demchak Excavating Co. Stripping	2,434	132	4
1	Deweese Coal Co. Stripping	65,184	208	54
23	Diamond Coal Co. C. & J.	25,458	245	17
26	Draper Contracting Co. Tunnel Ridge	54,655	240	32
14	Duryea Anthracite Co. West End	20,555	276	20
19	East Mines Contrg. Co. Stripping	14,800	247	16

STRIPPING REPORT, 1953

Dist- rict	Operator & Stripping	Stripping production	Days worked	Empl- oyes
1	E. & E. Coal Co. Stripping	21,814	203	15
1	E. & H. Coal Co. Stripping	10,379	306	8
25	Fisher Associates Stripping	42,362	207	33
21	Garote & Martin Stripping	14,388	63	6
1	Gasparini Excavating Co. Stripping	2,124	56	16
2	Stripping	16,597	192	13
	Total for Co.	18,721		29
19	Cavalis, Jos., Strip. Co. Stripping	640	22	9
25	Stripping	16,923	137	12
	Total for Co.	17,563		21
3	G. C. & S. Excavating Co. Stripping	1,081	24	18
22	Gilberton Coal Co. Gilberton	31,282	206	47
22	William Penn	85,015	147	66
	Total for Co.	116,297		113
6	Gillizzi Coal Co. Stripping	20,104	202	7
11	Glen Alden Coal Co. Empire-Kidder	4,399	28	25
13	Huber	8,875	29	47
13	Sugar Notch	53,217	251	36
13	Truesdale	4,419	23	12
14	Wanamie (Biscontini)	25,426	49	13
14	" (Kingston)	123,553	244	55
26	Tresckow	19,553	181	10
26	Audenried	49,215	237	40
	Total for Co.	288,657		238
15	Gowen Coal Co. Gowen	51,920	295	16
6	Greenwood Mining Co. Greenwood	13,180	184	10
10	Iaflin	3,699	46	*
		16,879		10
22	Hammond Coal Co. Hammond	184,878	208	39
10	Harry E. Coal Co. Mineral Spring	101,899	200	*
22	Hazle Brook Coal Co. Continental	55,211	221	39
22	Midvalley	36,730	198	32
	Total for Co.	91,941		71
6	Heidelberg Coal Co. Heidelberg	44,356	224	48
19	Hill, Frank, Inc. Stripping	35,150	147	20
21	Hoffman Bros. Stripping	1,964	86	6
25	Stripping	10,090	101	5
	Total for Co.	12,054		11

STRIPPING REPORT, 1953

Dist- rict	Operator & Stripping	Stripping production	Days worked	Empl- oyes
19	Hoke & Hauptly Stripping	40,313	207	17
	Hudson Coal Co.			
10	Delaware	24,920	158	*
10	Fine Ridge	8,653	158	*
11	Baltimore	15,875	90	28
12	Loree	156,104	177	*
	Total for Co.	205,552		28
	Huss Contracting Co.			
19	Stripping	53,640	154	27
25	Stripping	43,583	82	27
	Total for Co.	97,223		54
	Indian Head Coal Co.			
21	Indian Head	112,747	242	103
27	Coal Creek	2,074	52	13
	Total for Co.	114,821		116
	Jeddo-Highland Coal Co.			
15	Drifton	113,585	265	67
15	Eckley	117,369	265	108
15	Jeddo #7	158,188	280	57
15	Lattimer	2,141	114	19
15	Tomhicken	23,888	258	32
	Total for Co.	415,171		283
	Kehoe-Berge Coal Co.			
5	William A	610	111	4
5	Stevens	133	21	4
5	Feederdam	1,530	44	11
5	Hunter	31,271	250	14
	Total for Co.	33,544		33
	Kingston Mining Corp.			
7	Stripping	29,031	184	40
	Kohinoor Coal Co.			
20	Kohinoor	53,538	87	105
	K. P. T. Coal Co.			
10	Stripping	4,360	39	14
	Lattimer Coal Corp.			
15	Humboldt	81,230	189	55
	Lehigh Navigation Coal Co.			
17	Tamaqua	396,523	143	240
18	Coaldale	236,159	143	160
	Total for Co.	632,682		400
	Lehigh Valley Coal Co.			
9	Westmoreland	16,092	105	7
10	Henry	31,336	136	*
11	Dorrance	15,355	97	6
15	Hazleton Shaft	60,812	153	90
15	Black Ridge	25,392	274	26
15	Cranberry	32,442	262	22
	Total for Co.	181,429		151
	Mammoth Coal Co.			
22	Mammoth	169,454	252	37)
22	Morris Ridge	11,673)
	Total for Co.	181,127		37

STRIPPING REPORT, 1953

Dist- rict	Operator & Stripping	Stripping production	Days worked	Empl- oyes
	Mar Stripping & Excavating Co.			
21	Stripping	8,707	164	8
27	Stripping	1,697	70	8
	Total for Co.	10,404		16
	Martinez, Broderick, Bridy			
24	Stripping	3,632	53	14
	Maryd Coal Mining Co.			
19	Carbon	90,690	221	102
	M. B. & B. Contrg. Co.			
22	Stripping	32,467	171	21
	McHale & Santor			
19	Stripping	6,470	132	9
	Meadowside Coal Co.			
3	Meadowside	640	31	4
	Metro Quarry & Materials Co.			
22	Stripping	38,834	207	27
	Mika, John			
25	Stripping	2,547	157	15
	Moffat Coal Co.			
3	Brisbin	10,068	42	39
3	Mt. Pleasant	16,137	151	30
3	Rockwell	7,043	108	40
3	Storrs	66,596	273	58
5	National	1,308	36	*
5	Continental	9,528	297	5
5	Pyne	63,456	261	32
5	Hyde Park	8,792	94	*
	Total for Co.	182,928		204
	Moncavage Bros.			
23	Penna.	2,613	55	5
	Moosic Mountain Coal Co.			
2	Moosic Mountain	2,180	52	4
	Morea Mining Co.			
26	New Boston	43,864	205	36
	Moss Glen Contracting Co.			
19	Stripping	2,600	20	9
	Motley Coal Co.			
1	Erie	13,447	164	6
	Mountain Top Coal Co.			
15	Tomhicken	1,340	17	15
18	Junedale	1,706	62	9
	Total for Co.	3,046		24
	Mt. Penn Contracting Co.			
19	Stripping	36,308	241	19
27	Stripping	2,357		19
	Total for Co.	38,665		19
	Nagle Contracting Co., Jos.			
19	Stripping	18,200	179	15

STRIPPING REPORT, 1953

Dist- rict	Operator & Stripping	Stripping production	Days worked	Empl- oyes
7	Newport Excavating Co. Stripping	187,028	188	85
8	No. 9 Coal Co. No. 6	3,624	7	10
8	No. 14 Coal Co. No. 14	6,254	131	5
1	Northwest Coal Co. Raymond	12,592	149	22
3	Northwest	942	175	8
	Total for Co.	13,534		30
	Old Forge Coal Co. B. & W. Stripping	2,465	119	4
5	Old Forge "	74,805	265	28
6	Total for Co.	77,270		32
	Oneida Engineering Co. Stripping	6,300	59	22
19	Park Side Coal Co. Blue Diamond	558	6	10
10	Payne Coal Co. Spring Mountain	(50,304	167	28
26	Spring Brook	(124	17
26	Total for Co.	50,304		45
	Peca Coal Co. Primrose	14,797	155	66
26	Penn Rich Contracting Co. Stripping	49,750	245	35
18	Perry Construction Co. Stripping	9,788	129	22
1	Stripping	17,486	150	22
2	Total for Co.	27,274		44
	Philadelphia & Reading Coal & Iron Co.	126,025	241	57
19	Pine Knot	328,101	234	243
19	Wadesville	135,714	291	116
20	Knickerbocker	411,186	164	438
20	Shenandoah	214,500	213	188
21	Capparell (Heckscherville)	26,628	194	31
21	Capparell (Oak Hill)	49,980	39	45
21	Correale	78,922	144	50
22	Bast	234,299	230	160
23	Locust Gap	135,729	183	87
23	Reliance	---	169	36
24	Bear Valley	7,492	94	13
24	United	36,997	235	37
26	Tunnel Ridge	80,102	182	31
27	Potts (Pioneer)	51,862	215	43
27	" (Martinez-Broderick)	29,469	172	18
27	Hunter Tunnel	---	71	20
27	Buck Run			
	Total for Co.	1,947,006		1,613
	Phoenix Contracting Co. Knickerbocker	10,299	62	*
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STRIPPING REPORT, 1953

Dist- rict	Operator & Stripping	Stripping production	Days worked	Empl- oyes
22	Fine Ridge Mining Co. Stripping	47,506	215	15
1	Pioneer City Coal Co. Stripping	15,510	143	15
1	Pioneer Excavating Co. Stripping	51,363	249	18
8	Plains-Hilldale Coal Co. Stripping	13,241	129	11
21	Reichneder, George Stripping	39,158	298	28
25	Reilly, Charles L. Stripping	4,622	31	5
19	Repplier Coal Co. Stripping	16,127	59	14
24	Rosini Bros. Coal Co. Fidler	15,781	137	20
19	Rowland, Robert Stripping	4,210	19	14
19	Ryon Coal Co. Stripping	3,294	59	9
19	Sanchez Contracting Co. Stripping	28,679	230	32
15	Sando & Provanzo Harwood	1,139	20	12
15	Spearpoint	3,636	77	13
	Total for Co.	4,775		25
15	Sandy Run Miners & Producers Co. Upper Lehigh	40,917	198	42
8	Sarf Coal Co. Rex	12,609	143	4
19	Schock Contracting Co. Stripping	17,100	168	11
19	Schoener Contracting Co. Stripping	11,200	192	11
25	Schumacher & Son, J. E. Stripping	5,205	4	15
27	Kemble	60,549	196	42
	Total for Co.	65,754		57
25	Shallamanda, Steve Stripping	2,982	66	8
1	Simpson Coal Co. Stripping	8,278	233	8
19	St. Clair Coal Co. St. Clair	189,176	223	44
24	Steam Coals, Inc. Hickory	30,260	102	9
24	Shenandoah	51,275	97	20
24	Thomas & Bro.	14,110	110	15)
24	Rosini	3,400)
	Total for Co.	99,045		44
21	Stefonick, G. & M. Stripping	11,842	270	8

STRIPPING REPORT, 1954

Dist- rict	Operator & Stripping	Stripping production	Days worked	Empl- oyes
	Stevens Coal Co.			
24	A. E. Dick	426,328	231	130
25	Westwood	5,968	186	*
	Total for Co.	432,296		130
	Stiely, Wellington			
27	Stripping	34,604	280	13
	Sullivan Trail Coal Co.			
26	Buck Mountain	45,430	247	28
	Susquehanna Collieries Div.			
	M. A. Hanna Co.			
14	No. 7 (Biscontini)	25,114	189	8
14	Glen Lyon (Biscontini)	48,415	214	31
14	Alden (Biscontini)	19,876	195	14
22	Logan Basin	91,647	147	61
24	K. & H.	33,452	135	9
24	United	6,712	57	8
24	Capitol	10,066	16	15
24	Thomas & Bro.	827	10	8
	Total for Co.	236,109		154
	Tarrone Coal Co.			
22	Stripping	5,794	118	7
	Thomas & Bro., W. H.			
27	Stripping	4,964	69	17
	Tolerico Coal Co.			
1	Stripping	14,185	278	13
	Turnpike Coal Co.			
2	Stripping	11,148	150	4
	United Contracting Co.			
19	Stripping	4,120	54	12
	Valley Construction Co.			
27	Stripping	3,830	93	5
	Walinchus, William			
25	Stripping	1,825	64	5
	Weston Coal Co.			
26	Morea	70,054	246	115
	Weston Dodson & Co., Inc.			
18	Stripping	261,055	144	252
	Wyll Construction Co.			
26	Park	15,425	83	21
	Yaccino Construction Co.			
18	Stripping	4,128	219	19
	Region Total	8,883,984		6,514

REPORTS OF FATALITIES

INCLUDING:

COMPANIES HAVING HAD 1,500,000 OR MORE
MAN HOURS WITHOUT A FATAL ACCIDENT;
ACCIDENTS IN WHICH FIVE OR MORE PERSONS
WERE KILLED, 1847 to 1953;
DESCRIPTION OF FATALS WHICH OCCURRED
DURING 1953;
CAUSE OF FATALS BY COUNTIES, ETC.

ANTHRACITE COAL COMPANIES AND COLLIERIES HAVING HAD 1,500,000 OR MORE
MAN-HOURS OF EXPOSURE, UP TO THE END OF 1953, WITHOUT A FATAL ACCIDENT

Company	Colliery or mine	Date of last fatality	Man-hours accumulated since last fatality	Superintendent	Mine Inspector
Pennsylvania Coal Co.	Ewen	July 1948	7,486,213	Louis H. Leitner	D. H. Connelly
Lehigh Navigation Coal Co.	Coaldale	June 1951	6,073,603	Kermit Hoffman	J. J. Shober
St. Clair Coal Co.	St. Clair	Feb. 1948	5,652,616	Edward Thomas	T. A. Ryan
Glen Alden Coal Co.	Lance	Aug. 1950	4,719,540	R. H. Hodgson	D. W. Cosslett
Philadelphia & Reading Coal & Iron Co.	Shenandoah Stripping	None	4,605,199	Joseph Petrusky	J. H. Morgan
Glen Alden Coal Co.	Baker	Aug. 1949	4,323,202	T. L. Oliver	T. D. Rees
Phila. & Reading C. & I. Co.	Buck Run	Apr. 1945	4,274,119	D. E. Ingersoll	H. E. Shomper
" " " " " " "	Locust Summit Central Breaker	June 1945	3,844,514	Edward Williams	J. P. Brophy
" " " " " " "	Maple Hill	July 1951	3,433,720	N. Harrison	J. H. Morgan
Glen Alden Coal Co.	Woodward	Jan. 1952	3,353,571	P. J. Driscoll	D. W. Cosslett
Phila. & Reading C. & I. Co.	Newkirk Tunnel	Oct. 1945	2,900,436	Russell Davies	T. A. Ryan
Stevens Coal Co.	Trevorton Breaker	Dec. 1950	2,887,249	Chester Johns	J. R. Ruane
Hudson Coal Co.	Eddy Creek	Dec. 1951	2,601,162	Wesley Stonebraker	T. L. Wackley
Jeddo-Highland Coal Co.	Jeddo #7	Oct. 1949	2,432,437	Wm. Fichter	R. Ditzler
" " " "	Deringer	Mar. 1946	2,390,321	A. Schriebmaier	R. Ditzler
Duryea Anthracite Co.	Packer	Mar. 1946	2,348,756	George M. Keib	J. C. Hines
Glen Alden Coal Co.	Nottingham	July 1950	2,317,445	P. J. Driscoll	A. Wilson
" " " "	Sugar Notch	Mar. 1947	2,220,963	J. L. Reynolds	J. D. Edwards
Harry E. Coal Co.	Mineral Spring	June 1942	2,172,759	Joseph Mayers	J. C. Hines
Hudson Coal Co.	Marvine	Sept. 1951	2,106,990	Edison Thomas	T. D. Rees
Phila. & Reading C. & I. Co.	Knickerbocker	Feb. 1951	2,057,012	A. J. Morgan	J. H. Morgan
Steam Coals, Inc.	Breaker	Aug. 1944	2,045,211	Harold Weikel	J. R. Ruane
Hudson Coal Co.	Lafin	1937	1,979,873	E. R. Williams	J. C. Hines
Moffat Coal Co.	Taylor	Feb. 1949	1,972,778	William Sanders	T. D. Rees
Phila. & Reading C. & I. Co.	Bear Valley Stripping	1943	1,873,250	George Seiler	J. R. Ruane
Moffat Coal Co.	Pyne	June 1949	1,788,108	William Sanders	T. D. Rees
" " " "	Continental	Aug. 1949	1,746,434	William Sanders	T. D. Rees
Lattimer Coal Corp.	Humboldt	Nov. 1948	1,611,534	George Chisnell	R. Ditzler
Phila. & Reading C. & I. Co.	St. Nicholas Central Breaker	Apr. 1949	1,544,814		J. H. Morgan

ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1953

Year	Date	Colliery	Location of colliery	Cause of accident	Number killed
1847	Feb.	Spencer	Pottsville	Explosion of gas	7
1869	Sept. 6	Avondale	Plymouth	Mine fire	110
1870	Mar. 22	Potts	Locust Dale	Boiler explosion	5
	Aug. 10	Heins & Glassmire	Middleport	Cage fell down shaft	9
	Aug. 29	Preston #3	Girardville	Car fell down slope	7
1871	May 27	West Pittston	West Pittston	Suffocated by smoke from burning breaker	20
	Oct. 2	Otto Red Ash	Branch Dale	Explosion of gas	5
1873	June 10	Henry Clay	Shamokin	Explosion of gas	10
1877	May 9	Wadesville	Wadesville	Explosion of gas	7
1878	Jan. 15	Potts	Locust Dale	Explosion of gas	5
1879	May 6	Audenried	Audenried	Explosion of gas	6
	Nov. 2	Mill Creek	Mill Creek	Explosion of gas	5
1880	May 3	Lykens Valley	Shamokin	Explosion of gas	5
1882	May 24	Kohinoor	Shenandoah	Explosion of gas	5
1884	Aug. 21	Buck Ridge	Shamokin	Mine fire	7
1885	Apr. 6	Cuyler	Raven Run	Fall of roof	10
	Aug. 11	West End	Mocanaqua	Suffocated by gas from boiler fire	10
	Oct. 21	Plymouth #2	Plymouth	Explosion of gas	6
	Dec. 18	Nanticoke #1	Nanticoke	Inrush of quicksand	26
1886	Aug. 30	Fair Lawn	Scranton	Explosion of gas	6
	Sept. 13	Marvine	Scranton	Suffocated by gas	8
	Nov. 26	Conyngham	Wilkes-Barre	Explosion of gas	12
1887	Apr. 27	Tunnel	Ashland	Suffocated by gas	5
	Oct. 1	East	Big Mine Run	Explosion of gas	5
1889	May 9	Kaska, William	Middleport	Car fell on cage in shaft	10
1890	Feb. 1	Nottingham	Plymouth	Explosion of gas	8
	Mar. 3	S. Wilkes-Barre #3	Wilkes-Barre	Explosion of gas	8
	Apr. 2	Susquehanna #4	Nanticoke	Explosion of gas	5
	May 15	Jersey #8	Ashley	Explosion of gas	26
1891	Feb. 4	Spring Mtn. #1	Jeanesville	Drowned - water from old workings	13
	Oct. 23	Richardson	Glen Carbon	Suffocated by gas	7
	Nov. 8	Susquehanna #1	Nanticoke	Explosion of gas	12
1892	Apr. 20	Lytle	Minersville	Drowned - water from old workings	10
	July 23	York Farm	Pottsville	Explosion of gas	15
1893	Apr. 1	Neilson	Shamokin	Mine fire	10
	June 22	Susquehanna #1	Nanticoke	Explosion of gas	5
	Sept. 21	Lance #11	Plymouth	Explosion of gas	6
1894	Feb. 13	Gaylord	Plymouth	Fall of roof	13
	July 17	East Sugar Loaf	Stockton	Explosion of powder and dynamite	8
	Oct. 8	Luke Fidler	Shamokin	Mine fire	5
	Oct. 11	Henry Clay	Shamokin	Boiler Explosion	6
1895	Feb. 18	West Bear Ridge	Mahanoy Plane	Explosion of gas	5
	Oct. 7	Dorrance	Wilkes-Barre	Explosion of gas	7
1896	June 28	Twin	Pittston	Fall of roof	58
	Oct. 29	S. Wilkes-Barre #3	Wilkes-Barre	Explosion of gas	6
1897	Jan. 13	Wadesville	Wadesville	Crosshead fell down shaft	5
	Sept. 28	Jermyn #1	Rendham	Mine fire	5
	Oct. 30	Von Storch	Scranton	Mine fire	6
1898	May 26	Kaska, William	Middleport	Drowned - water from old workings	6
	Oct. 1	Midvale	Wilkes-Barre	Mine fire	5
	Nov. 5	Exeter	West Pittston	Car fell on cage in shaft	9
1900	Nov. 9	Buck Mountain	Mahanoy City	Explosion of gas	7
1901	Oct. 25	Buttonwood	Plymouth	Explosion of gas	6
1902	Nov. 29	Luke Fidler	Shamokin	Explosion of gas	7
	Dec. 9	S. Wilkes-Barre	Wilkes-Barre	Explosion of powder and dynamite	5
1904	Jan. 30	Maple Hill	Mahanoy City	Explosion of powder and dynamite	5

ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1953

Year	Date	Colliery	Location of colliery	Cause of accident	Number killed
1904	May 5	Lance	Plymouth	Explosion of powder and dynamite	5
	May 5	Locust Gap	Locust Gap	Mine fire	5
	May 25	Williamstown	Williamstown	Suffocated by gas from mine locomotive	10
	Nov. 2	Auchincloss	Nanticoke	Falling down shaft	10
1905	Feb. 18	Lytle	Minersville	Fall of roof	5
	Mar. 9	Clear Spring	West Pittston	Falling down shaft	7
	Apr. 26	Conyngham	Wilkes-Barre	Falling down shaft	10
1906	May 15	Shenandoah City	Shenandoah	Explosion of powder and dynamite	7
	Aug. 6	Susquehanna #7	Nanticoke	Explosion of gas	6
1907	Mar. 2	Holden	Taylor	Explosion of gas	7
1908	June 18	Johnson #1	Priceburg	Explosion of gas	7
	May 12	Mount Lookout	Wyoming	Explosion of gas	12
	May 13	Prospect	Midvale	Fall of roof	5
	July 15	Williamstown	Williamstown	Explosion of powder and dynamite	6
	Aug. 28	Warrior Run	Wilkes-Barre	Mine cars	6
1909	Mar. 2	Pennsylvania #14	Pittston	Explosion of gas	8
	Nov. 9	Auchincloss	Nanticoke	Mine fire	9
1910	Jan. 11	Nottingham	Plymouth	Explosion of gas	7
	Mar. 12	S. Wilkes-Barre #5	Wilkes-Barre	Explosion of gas	7
1911	Apr. 7	Pancoast	Throop	Mine fire	72
	May 27	Cameron	Shamokin	Explosion of gas	5
	Sept. 12	Marvine	Scranton	Mine cars	5
	Oct. 3	Drifton #2	Freeland	Cave-in	5
	Jan. 9	Farrish	Plymouth	Explosion of gas	6
1913	Aug. 2	East Brookside	Tower City	Explosion of gas	20
1914	May 29	Maryd	Maryd	Overwinding of cage	6
	Sept. 16	Lehigh #4	Lansford	Explosion of gas	7
	Dec. 9	Diamond	Scranton	Falling down shaft	13
1915	Feb. 17	Prospect	Wilkes-Barre	Explosion of gas	13
1916	Feb. 8	Lance #11	Plymouth	Explosion of gas	7
	Mar. 9	Hollenback #2	Wilkes-Barre	Explosion of gas	6
	Aug. 8	Woodward	Edwardsville	Explosion of gas	6
1919	June 5	(Baltimore #5 (Baltimore Tunnel	Wilkes-Barre	Explosion of powder and dynamite	92
	July 8	Lansford	Lansford	Explosion of gas	8
1921	Mar. 9	Rahn	Seek	Explosion of gas	5
1922	Nov. 3	Eddy Creek	Scranton	Premature blast	6
1923	Feb. 21	Alliance	Middleport	Explosion of gas	5
	June 26	Richards	Mount Carmel	Explosion of gas	5
	Dec. 8	Mount Jessup #2	Jessup	Fall of roof	5
1924	June 6	Loomis	Nanticoke	Explosion of gas	14
1925	May 22	Woodward	Edwardsville	Explosion of gas	7
	Aug. 3	Dorrance	Wilkes-Barre	Explosion of gas	10
1926	May 6	Randolph	Port Carbon	Explosion of gas	5
	July 3	Pettebone	Kingston	Explosion of gas	7
	Oct. 30	Susquehanna #7	Nanticoke	Explosion of gas	9
1927	May 26	Woodward	Edwardsville	Fall of roof, followed by an explosion of gas	7
1928	May 25	Baltimore #5	Wilkes-Barre	Explosion of gas	10
1930	Aug. 8	Gilberton	Gilberton	Fall of roof	8
1931	May 29	Richards	Mount Carmel	Explosion of gas	5
1935	Jan. 21	Gilberton	Gilberton	Explosion of gas	13
	May 7	S. Wilkes-Barre	Wilkes-Barre	Piece of rock fell down shaft, struck cage	7
1936	Aug. 24	Clear Spring	West Pittston	Explosion of gas	5
1938	Apr. 27	St. Clair	St. Clair	Explosion of gas	8
	June 2	Volpe	Pittston Twp.	Explosion of gas	10
1943	Sept. 24	Primrose	Minersville	Explosion of gas	14

FATAL ACCIDENT REPORT - Year 1953

Name of victim	Address	Company	Colliery, mine, etc.	Date	Cause of injury
Ales, Alfred	134 E. Green St., Nanticoke	Glen Alden Coal Co.	Truesdale	May 6	Fall of roof
Bahr, Stanley	226 Center Ave., Plymouth	Glen Alden Coal Co.	Loomis	June 10	Fall of roof
Berardi, William	425 S. Washington Ave., Scranton, Pa.	Glen Alden Coal Co.	Empire-Kidder	Nov. 10	Fall of roof
Bluis, Anthony	42 Westwood St., Minersville	Philadelphia & Reading Coal & Iron Co.	Oak Hill	Nov. 5	Inrush of water, after firing 5 or 6 holes
Bogdan, Walter	128 S. Walnut St., Nanticoke	Susquehanna Collieries Div. M. A. Hanna Co.	No. 7	May 12	Explosion of gas
Bojako, Thomas	Natalie, Pa.	Susquehanna Collieries Div. M. A. Hanna Co.	Glen Burn Hammond	Oct. 12 Jan. 21	Fall of roof Fell down loading chute
Budrow, George	William Penn, Pa.	Glen Alden Coal Co.	Buttonwood	July 10	Fall of coal from rib
Chatman, A. B.	4 Jefferson Lane, Wilkes-Barre, Pa.	Wat-Rap Coal Co.	Spring Brook	Dec. 3	Fall of roof
Cherba, John	McAdoo, Pa.	Glen Alden Coal Co.	Huber	Jan. 20	Fall of roof
Chopicki, Paul J.	Box 40, Mountain Top	Glen Alden Coal Co.			
Church, Joseph	R. D. 1, Berwick	Susquehanna Collieries Div. M. A. Hanna Co.	Glen Lyon	Apr. 30	Fall of roof
Dietrick, Paul	325 E. 6th St., Berwick	Susquehanna Collieries Div. M. A. Hanna Co.	Glen Lyon	Apr. 30	Fall of roof
Duchak, Michael	1306 N. Washington St. Wilkes-Barre, Pa.	Lehigh Valley Coal Co.	Dorrance	Oct. 7	Mine cars - timber truck derailed trip, pinned him against rib
Dzierzynski, Frank	141 Henry St., Plains	Lehigh Valley Coal Co.	Henry	May 20	Fall of roof
Elias, Albert	19 Carden Ave., Carbondale	Motley Coal Co.	Erie	July 13	Rush of coal in storage pocket, outside
Garick, Patrick V.	22½ Ridge St., Hanover Township, Pa.	Hudson Coal Co.	Baltimore	Jan. 30	Struck by car, apparently set in motion by a rush of water
Glore, John M.	R. D. 1, Pine Grove	Lloyd Moyer	Mine	Apr. 2	Fall of roof
Glore, William	Rock, Pa.	Indian Head Coal Co.	Coal Creek	Apr. 8	Fall of coal from rib
Gzajkowski, Felix	89 W. Enterprise St., Glen Lyon, Pa.	Susquehanna Collieries Div. M. A. Hanna Co.	Glen Lyon	Apr. 30	Fall of roof

Name of victim	Address	Company	Colliery, mine, etc.	Date	Cause of injury
Halat, Stanley	254 Main St., Dupont	No. 9 Coal Co.	No. 6	Oct. 5	Fall of roof
Herron, Lamar	247 W. Water St., Lansford	Lehigh Navigation Coal Co.	Tamaqua	Aug. 7	Electrocuted - contact with trolley wire
Hoy, Elroy	Port Carbon, Pa.	Weston Coal Co.	Mine	Jan. 9	Fall of rock in battery drawhole
Hudock, George	Main St., Dundee, Wilkes-Barre, Pa.	Glen Alden Coal Co.	Loomis	Jan. 16	Explosion of gas
Katchmark, Michael	R. D. 1, Pottsville	Jos. P. Dando Co.	D. & B.	Sept. 22	Fall of roof
Katchmore, John	#1 W. 7th Ave., Carbondale	Motley Coal Co.	Erie	Mar. 17	Fall of roof
Kostrzebill, Joseph	120 Cleveland St., Hudson	Glen Alden Coal Co.	Buttonwood	May 28	Fall of roof
Kowalski, William	1003 Lincoln St., Dickson City, Pa.	Hudson Coal Co.	Olyphant	Sept. 14	Fell from roof of supply shed, outside
Krutsick, Joseph J.	45 Andrews ville, Lansford	Weston Dodson & Co., Inc.	Dodson	May 29	Explosion of gas
Krzywicki, John	347 E. Washington St., Nanticoke, Pa.	Susquehanna Collieries Div. M. A. Hanna Co.	No. 7 Mine	May 12 Jan. 3	Explosion of gas Fall of roof
Kuehns, Charles E.	Llewellyn, Pa.	Sausnock & Mady	Mine	Jan. 3	Fall of roof
Kulpa, Stanley W.	112 W. Fell St., Summitt Hill, Pa.	Weston Dodson & Co., Inc.	Dodson	May 29	Explosion of gas
Kundrat, Andrew J.	283 Dana St., Swoyerville	Genelow Mining Co.	Maltby	Jan. 27	Fall of roof
Kupchunis, John	42 Water St., New Philadelphia, Pa.	Philadelphia & Reading Coal & Iron Co.	Oak Hill	Nov. 12	Mine cars - struck, run over
Lehon, John	583 Sperling St., West Wyoming, Pa.	Knox Coal Co.	Schooley	Aug. 20	Fall of roof
Malinowski, Chester	1302 Pulaski Ave., Shamokin	Philadelphia & Reading Coal & Iron Co.	Reliance	Jan. 20	Fall of roof
Materazzi, Quentin	1663 N. Kayser Ave., Scranton, Pa.	Materazzi & Bush	M. & B.	Jan. 28	Fall of roof
Maurer, Warren P.	R. D. Ashland, Pa.	Harry & Mark Reed	Mine	Sept. 22	Blast - dug into a mis- fired shot
Mock, Charles	Ashland, Pa.	Philadelphia & Reading Coal & Iron Co.	Potts	Sept. 29	Fall of roof
Moore, John F.	156 S. River St., Plains	Hudson Coal Co.	Loree	June 23	Fall of roof
Moyer, Joseph B.	135 Cottage Ave., Tamaqua	Lehigh Navigation Coal Co.	Tamaqua	Sept. 23	Mine car became uncoupled from trip, struck him

Name of victim	Address	Company	Colliery, mine, etc.	Date	Cause of injury
Opalicki, Frank	R. D. 3, Dallas, Pa.	Harry E. Coal Co.	Harry E.	May 15	Fall of roof
Oowski, Anthony	214 $\frac{1}{2}$ New St., Duryea	Glen Alden Coal Co.	Buttonwood	June 1	Fall of material in rockhole
Ossman, Harry	Zerbe, Pa.	Falls Coal Co.	Mine	Nov. 28	Fall of roof
Parangosky, Peter	319 W. Center St., Shenandoah	Hammond Coal Co.	Hammond	Feb. 20	Fall of roof
Passeti, Louis J.	211 S. Main St., Ashley	Glen Alden Coal Co.	Huber	May 5	Fall of roof
Pegula, George	312 Hill St., Jessup	Pompey Coal Co.	Pompey	Oct. 28	Fall of roof
Petrus, Edward	R. 1172 Wyoming Ave., Exeter	Glen Alden Coal Co.	Avondale	June 23	Fall of roof
Pietrzyk, Adam	14 Lower Broadway, Nanticoke	Susquehanna Collieries Div.			
		M. A. Hanna Co.	Glen Lyon	July 20	Fall of roof
Reno, William	137 Brown Row, Wanamie	Glen Alden Coal Co.	Wanamie	July 8	Fall of roof
Ryzner, Stanley	519 Watt St., Duryea	Glen Alden Coal Co.	Wanamie	July 8	Fall of roof
Sekelsky, Andrew	333 Main St., Dupont	Heidelberg Coal Co.	Heidelberg	June 25	Fall of roof
Shemonsky, Ignatz	518 Cemetery St., Jermyn	Hudson Coal Co.	Olyphant	June 26	Fall of roof
Slomiany, Bernard	706 N. Washington Ave., Scranton, Pa.	Pompey Coal Co.	Pompey	July 23	Fall of roof
Stefanisko, Frank	320 W. Sherman St., McAdoo	Lehigh Valley Coal Co.	Hazleton Shaft	July 14	Fall of roof
Stevens, Walter E.	62 Vine St., Ashley	Glen Alden Coal Co.	Loomis	Sept. 22	Caught in gear wheels of conveyor, at breaker
Strohecker, Edward R.	R. D. 1, Box 68, Shamokin	Susquehanna Collieries Div.			
		M. A. Hanna Co.	Glen Burn	July 7	Asphyxiated by methane
Urban, Wasyl	E. Sunbury St., Minersville	Philadelphia & Reading Coal & Iron Co.	Oak Hill	Nov. 5	Inrush of water, shortly after firing 5 or 6 holes
Yastremski, John	6 May St., Plainsville, Plains Township, Pa.	No. 14 Coal Co.	No. 14	Feb. 13	Fall of roof
Zimmerman, Ralph E.	R. D. 3, Lincoln, Pine Grove	Lloyd Moyer Co.	Mine	Apr. 2	Fall of roof

CAUSES OF FATAL ACCIDENTS, BY COUNTIES, 1953

Inside	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuylkill	Sullivan	Total
Direct falls	1	1	-	4	16	1	4	-	27
Indirect falls	-	-	-	1	7	1	3	-	12
Cars, transportation	-	-	-	-	2*	-	1	-	3
Asphyxiated by methane	-	-	-	-	-	1	-	-	1
Electricity	-	-	-	-	-	-	1	-	1
Explosions of gas	2	-	-	-	3	-	-	-	5
Elast	-	-	-	-	-	-	1	-	1
Drowned - inrush of water	-	-	-	-	-	-	2	-	2
Falling material	-	-	-	-	1	-	1	-	2
Fall of person	-	-	-	-	-	-	1	-	1
Total inside	3	1	-	5	29	3	14	-	55
<u>Outside</u>									
Mine cars	-	-	-	-	-	-	1	-	1
Machinery - caught in gear wheels of conveyor, when a workman started machinery	-	-	-	-	1	-	-	-	1
Fall of person	-	-	-	1	-	-	-	-	1
Rush of coal in pocket	-	-	-	1	-	-	-	-	1
Total outside	-	-	-	2	1	-	1	-	4
Grand total	3	1	-	7	30	3	15	-	59

* - One man struck by a car, apparently set in motion by a rush of water.

1947	34	12	11	16	12	5	12	10	13	14	10	16	165
1948	18	10	12	9	8	7	15	14	10	7	13	8	131
1949	8	10	5	10	11	4	2	7	3	11	12	9	92
1950	8	6	12	1	3	5	6	9	6	13	6	11	86
1951	11	8	7	8	8	10	5	8	10	6	4	9	94
1952	8	8	10	10	9	9	11	5	4	9	1	8	92
1953	9	2	1	6	10	6	7	2	6	4	5	1	59
Totals	206	174	181	167	167	150	151	168	180	165	147	154	2,010

φ - Gas explosion (14 victims)
 * - Idle 17 days (strike)

EMPLOYEES

INCLUDING:

CLASSIFICATION - INSIDE

AND

OUTSIDE

INSIDE EMPLOYEES - BY CLASSIFICATION

1953

Dist- rict	Mine Foremen	Asst. Foremen & Fire Bosses	Miners	Miners' Laborers	Machine Runners	Motor Runners	Motor Runners' Assistants	Drivers & Runners	Trackmen	Bratticemen	Timbermen - Rockmen	Pumpmen	Elec- tricians	Door Attendants	All Others	Total Inside
1	25	28	267	461	24	28	21	9	15	2	21	2	10	1	45	959
2	23	37	355	583	9	79	53	4	29	13	40	12	12	2	166	1417
3	18	60	410	757	22	69	69	4	27	15	38	6	22	1	241	1759
5	22	57	411	613	6	70	57	9	31	13	39	15	19	6	126	1494
6	14	11	124	196	2	19	20	-	4	4	5	6	6	-	19	430
7	12	42	302	559	3	71	56	2	28	22	61	8	16	-	247	1429
8	15	58	410	773	2	94	82	1	32	27	39	23	31	6	110	1703
9	23	80	611	947	14	114	108	3	51	30	59	9	32	9	319	2409
10	16	50	419	591	2	73	67	28	30	17	52	22	17	21	151	1556
11	10	71	445	867	2	97	92	17	43	27	30	12	15	13	346	2087
12	4	26	239	418	-	64	39	23	20	9	64	3	3	-	186	1098
13	9	76	537	854	16	99	95	2	37	29	66	12	21	-	357	2210
14	14	59	560	877	-	93	70	-	25	22	26	6	9	-	289	2050
15	20	53	1477	94	-	86	80	4	45	45	78	5	24	2	200	2213
17	3	43	497	7	-	44	40	-	19	22	226	-	12	-	307	1220
18	11	82	1137	34	26	105	73	-	55	34	389	3	30	7	496	2482
19	14	18	316	54	-	25	22	1	3	3	36	-	-	-	88	580
20	9	61	783	37	-	64	58	21	13	8	220	15	9	20	183	1501
21	19	13	346	38	10	27	22	1	4	4	43	1	4	-	44	576
22	14	54	965	88	3	60	51	2	21	24	210	10	8	7	216	1733
23	15	55	836	88	-	58	43	18	19	15	229	-	1	7	300	1684
24	28	31	431	120	5	17	8	62	3	15	27	-	-	-	55	802
25	17	17	399	141	-	12	5	3	1	2	3	1	2	-	37	640
26	22	23	361	91	5	20	17	-	6	2	19	7	5	1	33	612
27	45	32	495	132	4	28	22	13	6	8	49	10	2	6	142	994
REGION	422	1137	13133	9420	155	1516	1270	227	567	412	2069	188	310	109	4703	35,638

OUTSIDE EMPLOYEES * BY CLASSIFICATION

1953

District	Superintendents	Foremen	Blacksmiths & Carpenters	Engineers & Firemen	Trackmen	Slate-pickers	Office Employees	All Others	Total Outside	Grand total inside & outside
1	27	39	40	113	1	-	42	554	816	1775
2	11	10	38	85	1	4	25	204	378	1795
3	8	17	43	62	2	4	28	550	714	2473
5	18	16	35	57	3	6	70	642	847	2341
6	10	10	7	20	-	-	19	231	297	727
7	12	17	47	66	2	8	16	654	822	2251
8	10	11	45	37	6	4	35	250	398	2101
9	16	20	112	99	8	12	36	540	843	3252
10	12	12	32	46	6	1	30	331	470	2026
11	7	13	29	60	2	-	21	383	515	2602
12	5	4	42	42	1	-	13	321	428	1526
13	5	16	36	71	7	22	17	722	896	3106
14	7	10	50	78	7	12	22	745	931	2981
15	14	72	123	190	12	-	48	819	1278	3491
17	5	14	20	30	4	6	13	452	544	1764
18	17	39	50	160	25	5	47	870	1213	3695
19	16	55	22	112	2	14	41	1066	1328	1908
20	7	33	44	53	3	34	37	1092	1303	2804
21	14	25	30	152	7	31	32	624	915	1491
22	8	64	73	51	3	33	109	1198	1539	3272
23	16	41	39	52	7	29	44	869	1097	2781
24	42	44	45	59	18	19	70	774	1071	1873
25	17	30	32	32	-	17	19	644	791	1431
26	20	37	37	41	2	9	42	942	1130	1742
27	19	32	43	120	2	32	38	464	750	1744
REGION	343	681	1114	1888	131	302	914	15941	21314	56952

STATISTICAL TABLE

INCLUDING:

NUMBER AND TYPE OF MINE OPENINGS,
VENTILATION, DEWATERING AND EX-
PLOSIVES.

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Alessi Coal Co. Mine	26	-	1	-	-	-	-	-	100	1,000	
Alpec Coal Co. Park #1 Mine	26	1	1	1	7	80,000	5	7,100,000	-	3,750	39,900
Springdale Stripping	26	-	-	-	-	-	-	-	-	25,250	-
Total for Co.		1	1	1	7	80,000	5	7,100,000	-	29,000	39,900
Al-Penn Contracting Co., Inc. Stripping	24	-	-	-	-	-	-	-	-	1,000	-
Angelo & Borrelli Mine	19	-	1	-	n	4,200	1	120,000	-	-	320
A. & R. Coal Co. Mine	2	-	-	1	n	14,160	-	-	-	-	500
Back Basin Coal Co. Mine	27	-	-	1	1	75,000	-	-	-	-	21,200
Banks Construction Co., Joseph Stripping	25	-	-	-	-	-	-	-	-	19,250	14,375
Barba Coal Co., Jose Mine	27	-	1	-	-	-	-	-	-	-	1,600
Basin Coal Co. Mine	24	-	1	-	1	20,000	1	192,000	-	-	22,370
Bazley, J. Robert Stripping	19	-	-	-	-	-	-	-	-	33,935	-
Stripping	23	-	-	-	-	-	-	-	-	14,350	-
Total for Co.										48,285	

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		:Shaft	Slope	Drift:							
Beaver Brook Coal Co. Independent Mines	26	-	4	-	-	-	-	-	-	-	
Beaver Brook Strip.	26	-	-	-	-	-	-	-	6,900	-	
Total for Co.		-	4	-	-	-	-	-	6,900	-	
Beaver Meadow Mng. Co. Mine	18	-	1	-	2	20,000	-	-	-	13,500	
Bednarczyk, Joseph Mine	23	-	1	-	1	11,000	1	12,000	-	1,150	
Bernice White Ash C.Co. Connell Mine	10	-	-	2	1	30,000	-	-	1,900	200	11,450
Bird Mining Co. Mine	9	-	2	-	1	30,000	-	-	-	2,625	15,250
Biros Coal Co. Mine	26	-	1	-	-	-	-	-	-	100	400
Blaschak Coal Co. Mine	26	-	1	-	1	4,500	-	-	-	1,125	16,525
Blas-del Mining Co. Mine	20	-	1	-	-	-	-	-	-	-	12,025
Blasi Coal Co. Mine	1	-	2	-	-	-	-	-	-	-	-
Bliss Coal Co. Stripping	1	-	-	-	-	-	-	-	-	35,000	-
Blue Flame Coal Co. Mine	1	-	1	-	-	-	-	-	-	650	3,950
Mine	2	-	1	-	n	14,570	-	-	-	-	250
Total for Co.		-	2	-	-	14,570	-	-	-	650	4,200

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Bolish Coal Co. Mine	26	-	1	-	-	-	-	-	150	500	
Boner & Webb Coal Co. Mine	26	-	1	-	-	-	-	-	300	2,500	
Booth, Inc., John Stripping	1	-	-	-	-	-	-	-	69,000	-	
Bosack Coal Co. Mine	21	-	-	1	1	12,000	-	-	2,000	4,000	
Boslego Coal Co. Mine	24	-	1	-	1	12,000	-	-	-	6,200	
Botscheller Coal Co. Stripping	1	-	-	-	-	-	-	-	750	-	
Bowman-Coleman Coal Co. Mine	27	-	3	-	-	-	-	-	6 00	12,750	
Brazukas Coal Co. Mine	19	-	1	-	n	6,700	-	-	-	960	
Brehony Coal Co. Mine	26	-	1	-	-	-	-	-	1,000	4,200	
Bres Contracting Co. Mine	26	-	1	-	-	-	-	-	650	24,500	
Brilla & Co. Mine	21	-	1	-	1	16,000	1	45,000	-	3,240	
Broschious & Etzweiler Stripping	25	-	-	-	-	-	-	-	900	-	
Broschious & Rumberger Mine	23	-	1	-	1	26,000	2	15,000	-	1,598	

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Bubble Coal Co. Mine	27	-	2	-	-	-	-	-	-	5,200	
Burke Coal Co. Stripping	1	-	-	-	-	-	-	-	96,000	-	
Cano & Martin Sharp Mtn. Mine	19	-	-	1	1	18,000	-	-	4,480	6,720	
Port Carbon Mine	19	-	1	-	1	35,000	1	144,000	5,000	14,600	
Total for Co.		-	1	1	2	53,000	1	144,000	9,480	21,320	
Capitol Coal Co. Stripping	23	-	-	-	-	-	-	-	80,243	-	
Capone Coal Co. Maffei Mine	9	-	1	-	1	30,000	-	-	-	9,350	
Miners Mills Mine	10	-	4	-	3	51,000	-	-	1,750	10,750	
Total for Co.		-	5	-	4	81,000	-	-	1,750	20,100	
Capparell Constr'n. Co. Stripping	7	-	-	-	-	-	-	-	324,425	-	
C. & G. Coal Co. Mine	8	-	2	-	-	-	-	-	700	1,275	
Chornack Bros. Mine	21	-	1	-	1	4,500	2	300,000	-	5,300	
C. & L. Coal Co. Mine	2	-	-	1	1	29,500	-	-	325	12,900	
Coates Coal Co. Stripping	22	-	-	-	-	-	-	-	-	43,500	
Independent Mines	22	-	33	-	-	-	-	-	-	38,900	
Total for Co.		-	33	-	-	-	-	-	-	82,400	

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Cole Coal Co., Thos. Mine	27	-	1	1	-	-	-	-	600	-	
Colitz Coal Co. Stripping	19	-	-	-	-	-	-	-	228,150	-	
Conde & Lorenzo Mine	19	-	1	-	n	3,600	1	145,000	-	1,400	
Conlon Coal Co. Madeira Mine	10	-	3	-	2	90,000	-	-	30,100	35,625)	
" Strip.	10	-	-	-	-	-	-	-	-	-	
Total for Co.			3	-	2	90,000			30,100	35,625	
Courtdale Coal Co. Mine	9	-	2	-	1	38,000	-	-	50	1,000	
C. Y. & S. Coal Co. Mine	2	-	-	1	n	15,230	-	-	-	1,880	
Dancott Coal Co. Mine	27	-	1	-	1	10,000	2	17,200	-	9,200	
Dando, Jos. P. Sr. D. & B. Mine	27	-	7	-	1	195,000	-	-	-	75,000	
D. & D. Coal Co. Mine	22	-	2	-	1	2,500	-	-	-	1,925	
D. & D. Coal Co. Mine	27	-	2	-	1	10,000	1	350,000	800	2,000	
DeAngelis Coal Co. Bolands Mine	1	-	6	-	n	42,000	-	-	3,875	35,875	
" Stripping Mine	1	-	-	-	-	-	-	-	11,000	15,400	
	2	-	1	-	1	30,000	-	-	6,575	1,925	
Total for Co.			7	-	1	72,000	-	-	21,450	53,200	

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		:Shaft	Slope	Drift:							
DeClerico Coal Co. Mine	27	-	1	-	1	6,000	1	100,000	-	3,500	1,750
Deeter & Carl Coal Co. Mine	27	-	1	-	-	-	1	60,000	-	-	7,500
Deitrick & Ebert Mine	27	-	1	-	1	25,000	1	12,000	-	-	15,600
Demchak Excav. Co. Stripping	2	-	-	-	-	-	-	-	-	6,725	-
Dewees Coal Co. Stripping	1	-	-	-	-	-	-	-	-	198,650	-
Diamond Coal Co. C. & J. Stripping	23	-	-	-	-	-	-	-	-	706	-
Draper Contrg. Co. Stripping	26	-	-	-	-	-	-	-	-	263,055	-
Dudash & Co. Mine	26	-	1	-	-	-	-	-	-	-	2,600
Duryea Anthracite Co. Packer Mine	10	-	3	1	4	77,600	1	2,100,000	-	3,225	56,400
West End Mine	14	-	4	2	n	-	-	-	-	36,950	3,550
Total for Co.		-	7	3	4	77,600	1	2,100,000	-	40,175	59,950
Dwocznyk Coal Co. Mine	1	-	-	1	-	-	-	-	-	575	-
E. & E. Coal Co. Stripping	1	-	-	-	-	-	-	-	-	17,550	-
E. & H. Coal Co. Stripping	1	-	-	-	-	-	-	-	-	100	-

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, Dewatering, Explosives

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		:Shaft	Slope	Drift:							
Erdman Bros. Mine	25	-	1	-	4	32,000	3	90,000	-	-	13,275
Fabri Coal Co. Mine	2	-	1	-	n	12,870	-	-	-	-	2,400
Fair Deal Coal Co. Mine	24	-	1	-	1	12,000	4	36,000	-	-	5,000
Falls Coal Co. Mine	21	-	1	-	1	5,000	-	-	-	-	2,400
Farley & Ihnat Mine	19	-	-	1	n	12,000	-	-	-	-	3,500
Fegley & Tretter Mine	21	-	1	-	1	25,000	1	147,000	-	-	13,400
Fetterhoff & Mitsky Mine	27	-	1	-	-	-	-	-	-	-	1,200
F. & G. Coal Co. Mine	2	-	-	1	n	10,840	-	-	-	200	3,975
Fisher Associates Stripping	25	-	-	-	-	-	-	-	-	6,350	10,247
Forgotsch & Co. Mine	26	-	1	-	-	-	-	-	-	-	2,400
Forsum Coal Co. Mine	20	-	1	-	1	10,000	-	-	-	-	4,950
Galezniak Coal Co. Mine	22	-	1	-	-	-	-	-	-	-	1,300

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict :	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permis- sible ex- plosives used
		:Shaft	Slope	Drift:							
Garote & Martin											
Mine	21	-	1	-	2	17,000	-	-	1,200	15,600	
Stripping	21	-	-	-	-	-	-	-	4,000	-	
Total for Co.		-	1	-	2	17,000	-	-	5,200	15,600	
Gasparini Excav. Co.											
Stripping	1	-	-	-	-	-	-	-	1,600	-	
Stripping	2	-	-	-	-	-	-	-	8,750	-	
Total for Co.									10,350	-	
Gavalis Stripping Co.											
Stripping	25	-	-	-	-	-	-	-	2,750	3,650	
Gaylord Coal Co.											
Mine	7	-	2	-	-	-	-	-	1,350	2,850	
G. C. & S. Excav. Co.											
Stripping	3	-	-	-	-	-	-	-	2,000	-	
Genelow Mining Co.											
Mine	9	-	-	1	1	10,000	1	18,000	200	16,125	
Gianforco Coal Co.											
Mine	1	-	-	2	n	22,000	-	6,000	450	-	
Gilbert & Co.											
Mine	25	-	1	-	1	1,800	1	54,000	-	2,800	
Gilberton Coal Co.											
Gilberton Stripping	22	-	-	-	-	-	-	-	123,484	-	
Packer #5 Mine	22	1	-	-	4	204,000	4	1,614,000	41,650	81,100	
Independent Mines	22	-	12	-	-	-	-	-	-	48-100	
Wm. Penn Stripping	22	-	-	-	-	-	-	-	527,262	-	
Total for Co.		1	12	-	4	204,000	4	1,614,000	692,396	129,200	

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Gillen Coal Co. Mine	1	-	-	1	n	14,000	-	-	-	350	-
Gillizzi Coal Co. Stripping	6	-	-	-	-	-	-	-	-	11,925	-
Glen Alden Coal Co. Baker	5	1	-	-	3	135,000	3	3,840,000	-	-	-
Hampton Power Plant	5	-	-	-	2	800,000	5	42,220,800	-	-	-
Avondale Mine	7	4	1	-	1	189,000	6	4,443,040	-	-	61,850
Bliss Mine	7	2	-	-	5	794,920	4	1,248,000	-	-	20,000
Loomis Mine	7	4	-	-	8	1,089,572	3	1,235,400	-	4,500	133,950
Nottingham Mine	7	1	1	-	3	451,800	3	4,590,000	-	2,500	23,750
Lance Mine	9	2	-	-	3	825,120	2	2,808,000	-	5,625	176,650
Woodward Mine	9	3	1	-	4	1,111,988	7	10,896,000	-	-	230,075
Empire-Kidder Mine	11	1	3	-	7	920,000	8	7,400,000	-	5,200	159,150
" " Strip.	11	-	-	-	-	-	-	-	-	1,450	-
S. Wilkes-Barre Mine	11	2	-	-	4	950,000	2	624,000	-	700	109,500
Buttonwood Mine	13	3	1	-	5	913,000	8	8,928,763	-	15,250	157,000
Huber Mine	13	2	2	-	5	940,000	4	3,101,100	-	11,700	233,000
" Striping	13	-	-	-	-	-	-	-	-	141,690	-
Sugar Notch Mine	13	1	-	1	2	273,326	4	1,578,000	-	2,875	42,500
" " Strip.	13	-	-	-	-	-	-	-	-	161,486	-
Truesdale Mine	13	2	3	-	7	1,471,160	10	4,959,600	-	754	67,700
" Strip.	13	-	-	-	-	-	-	-	-	4,614	-
Wanamie Mine	14	-	3	1	6	1,128,000	8	3,054,000	-	25,650	307,475
Newport Excav. Mine	14	-	4	-	4	165,000	6	145,000	-	1,500	78,500
Biscontini Strip.	14	-	-	-	-	-	-	-	-	18,500	-
Kingston "	14	-	-	-	-	-	-	-	-	467,192	-

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Glen Alden Coal Co., Contd.											
Honey Brook #2 Mine	26	-	1	-	1	54,375	Drainage Tun.	21,000,000	-	-	24,150
Tresckow & Audenried Strips.)	26								510,675	-	
Total for Co.		28	20	2	70	12,212,261		122,071,703	-	1,381,861	1,825,250
Gowen Coal Co.											
Stripping	15	-	-	-	-	-	-	-	-	27,000	-
Gowen Coal Co.											
Mine	24	-	1	-	1	34,000	1	11,500	-	-	4,900
G. R. & R. Coal Co.											
Mine	3	-	-	2	2	5,000	-	-	-	250	15,450
Gravine Coal Co.											
Mine	18	-	1	-	1	15,000	1	250,000	-	-	10,200
Greenbury Drift Co.											
Mine	21	-	-	1	1	12,000	-	-	-	-	7,200
Greenwood Mining Co.											
Mine	6	-	1	-	1	70,000	-	-	-	2,400	11,425
Stripping	6	-	-	-	-	-	-	-	-	3,000	-
Laflin Mine	10	-	4	1	2	60,000	1	288,000	-	1,900	33,700
Drifton #9 Mine	15	-	1	-	1	20,000	-	-	-	-	100
Lattimer Mine	15	-	1	-	2	20,000	-	-	-	-	3,150
Total for Co.		-	7	1	6	170,000	1	288,000	-	7,300	48,375
Grizbin Coal Co.											
Mine	2	-	1	-	1	24,000	-	-	-	475	4,525

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		:Shaft	Slope	: Drift:							
Grochowski Coal Co. Mine	22	-	1	-	-	-	-	-	2,000	4,800	
Gubbio Coal Co. Mine	2	-	1	-	n	18,000	-	-	450	2,800	
Guiducci Coal Co. Mine	2	-	1	-	1	16,660	-	-	475	4,300	
Halaburda & Co. Mine	26	-	1	-	-	-	-	-	100	500	
Hammond Coal Co. Hammond Mine	22	1	2	1	3	225,000	3	2,500,000	-	372,875	
" Stripping	22	-	-	-	-	-	-	-	1,171,156	7,175	
Total for Co.		1	2	1	3	225,000	3	2,500,000	1,171,156	380,050	
Harry E. Coal Co. Harry E. Mine	9	2	-	-	1	250,000	3	3,566,000	-	7,700	
Mineral Spring Mine	10	-	1	-	-	-	-	-	795,095	14,250	
Total for Co.		2	1	-	1	250,000	3	3,566,000	802,795	138,057	
Hatter Coal Co. Mine	27	-	2	-	5	26,000	1	75,000	-	750	
Hazle Brook Coal Co. Continental Mine	22	1	1	-	20	257,640	4	2,190,200	-	41,550	
" Strip.	22	-	-	-	-	-	2	1,166,300	-	165,605	
Midvalley Strip.		-	-	-	-	-	-	-	-	99,050	
Midvalley Breaker	22	-	1	-	-	-	-	-	-	-	
Total for Co.		1	2	-	20	257,640	6	3,356,500	306,205	105,725	
H. & B. Coal Co. Mine	24	-	1	-	1	7,000	2	20,000	-	-	
										3,500	

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Heidelberg Coal Co.											
Heidelberg Mine	6	2	2	-	4	319,000	5	26,400,000	-	-	66,650
" Stripping	6	-	-	-	-	-	-	-	-	6,350	68,310
Total for Co.		2	2	-	4	319,000	5	26,400,000	-	6,350	134,960
Helpfenstein Coal Co.											
Mine	23	-	-	1	1	5,000	2	300	-	-	1,600
Hentz Coal Co.											
Mine	27	-	2	-	2	25,000	3	75,000	-	-	21,000
Herb, Allen											
Mine	25	-	1	-	-	-	1	36,000	-	-	3,600
Herb & Reed											
Mine	25	-	1	-	2	36,000	3	108,000	-	-	15,600
Hickory Contracting Co.											
Mine	25	-	-	1	1	20,000	1	60,000	-	-	8,275
High Test Coal Co.											
Mine	25	-	1	-	2	25,000	1	90,000	-	-	7,900
Hill, Inc., Frank											
Stripping	19	-	-	-	-	-	-	-	-	2,200	-
Hillside Coal Co.											
Mine	6	-	1	-	n	5,340	-	-	-	-	5,400
Hoffman Bros.											
Stripping	25	-	-	-	-	-	-	-	-	-	2,500
Hoke & Hauptly											
Stripping	19	-	-	-	-	-	-	-	-	54,165	-

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		:Shaft	Slope	: Drift:							
Holohan Coal Co. Mine	27	-	1	-	-	-	-	-	650	2,700	
Hruniuk & Co. Mine	26	-	1	-	-	-	-	-	50	340	
Hudson Coal Co.											
Coal Brook Mine	1	-	1	4	2	89,270	4	2,570,597	4,895	67,675	
Gravity Slope Mine	1	-	3	5	2	59,055	-	-	1,276	77,050	
Powderly Mine	1	-	-	-	-	-	4	10,498,612	-	-	
Eddy Creek Mine	2	2	2	-	4	491,948	5	10,899,050	15,348	282,050	
Olyphant Mine	3	2	1	-	3	537,815	4	5,558,482	6,145	123,025	
Marvine Mine	5	2	-	-	2	220,710	5	16,702,791	8,168	89,050	
Delaware Mine	10	2	1	2	2	190,100	-	-	18,506	89,950	
Pine Ridge Mine	10	1	3	-	2	333,880	4	7,785,835	14,860	78,325	
Baltimore Mine	11	1	2	1	3	362,465	-	-	21,036	72,600	
" Stripping	11	-	-	-	-	-	-	-	84,400	-	
Loree Mine	12	5	2	-	6	535,887	3	6,312,404	1,068,449	211,703	
Iaflin Mine	10	1	-	-	-	-	1	1,211,572	-	-	
Total for Co.		16	15	12	26	2,821,130	30	61,539,343	1,243,083	1,091,428	
Huss Contracting Co.											
Stripping	19	-	-	-	-	-	-	-	216,990	-	
Stripping	25	-	-	-	-	-	-	-	53,720	-	
Total for Co.		-	-	-	-	-	-	-	270,710	-	
Indian Head Coal Co.											
Indian Head Mine	21	-	1	-	1	115,000	2	7,200,000	-	32,450	
" " Strip.	21	-	-	-	-	-	-	-	1,000,948	10,125	
Coal Creek Mine	27	-	1	1	1	50,000	2	1,900,000	-	75,450	
" " Strip.	27	-	-	-	-	-	-	-	63,000	-	
Total for Co.			2	1	2	165,000	4	9,100,000	1,063,948	118,025	

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Jeddo-Highland Coal Co.											
Deringer Mine	15	-	1	1	3	63,903	3	8,000,000	-	16,625	55,580
Drifton Mine	15	-	1	-	3	65,604	-	-	-	3,575	15,025
" Stripping	15	-	-	-	-	-	-	-	-	5,286	-
Eckley Mine	15	-	-	2	3	63,817	1	528,000	-	60,825	48,750
" Stripping	15	-	-	-	-	-	-	-	-	907,830	-
Highland #5 Mine	15	-	1	-	1	33,789	-	-	-	13,125	975
Jeddo #7 Mine	15	-	1	-	2	220,000	1	1,365,000	-	450	4,200
" " Stripping	15	-	-	-	-	-	-	-	-	1,092,975	-
Lattimer Stripping	15	-	-	-	-	-	-	-	-	6,300	-
Stockton Mine	15	-	1	-	4	93,742	-	-	-	15,350	69,700
Tomhicken Mine	15	-	1	-	2	41,200	2	7,750,000	-	100	2,550
" Stripping	15	-	-	-	-	-	-	-	-	193,540	-
Total for Co.		-	6	3	18	582,055	7	17,643,000	-	2,315,981	196,780
Joliett Coal Co.											
Joliett Mine	27	-	1	-	2	90,000	3	720,000	-	-	-
John Jones Coal Co.											
Mine	26	-	1	-	-	-	-	-	-	-	625
Kaplafka Coal Co.											
Mine	22	-	1	-	-	-	-	-	-	-	8,325
K. D. & P. Coal Co.											
Mine	27	-	2	-	1	4,500	1	300,000	-	-	2,000
Kehoe-Berge Coal Co.											
Feederdam Stripping	5	-	-	-	-	-	1	12,000	-	-	-
Hunter Stripping	5	-	-	-	-	-	3	300,000	-	9,200	8,200
No. 11 Mine	5	-	1	-	1	25,000	1	18,775	-	-	22,125
No. 52 Mine	5	-	1	-	1	25,000	2	85,000	-	8,890	12,950
Broadwell Mine	5	-	1	6	-	-	2	3,500,000	-	-	58,075

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Kehoe-Berge C.Co., Contd.											
Total for Co.		-	3	6	2	50,000	9	3,915,775	-	18,090	101,350
Kettle Coal Co.											
Mine	24	-	1	-	2	18,000	1	50,000	-	-	2,500
Keyser Valley Coal Co.											
Capouse Mine	3	2	2	-	1	100,000	-	-	-	-	675
Kingston Excavating Co.											
Mine	7	-	1	-	n	-	-	-	-	-	4,150
Kingston Mining Corp.											
Stripping	7	-	-	-	-	-	-	-	-	184,000	3,650
Kingston Mine	9	-	2	-	6	90,000	-	-	-	7,450	22,325
Total for Co.		-	2	-	6	90,000	-	-	-	191,450	25,975
Klimas Bros. Coal Co.											
Mine	20	-	1	-	1	22,000	-	-	-	750	5,400
Knorr & Schneck											
Mine	27	-	2	-	-	-	2	4,250	-	960	-
Knox Coal Co.											
Schooley Mine	8	1	3	-	2	215,000	2	1,500,000	-	350	223,000
Kohinoor Coal Co.											
Stripping	20	-	-	-	-	-	-	-	-	10,025	-
Koppenhaver, Howard											
Mine	25	-	2	-	1	6,500	1	54,000	-	-	9,500
K. P. T. Coal Co.											
Stripping	10	-	-	-	-	-	-	-	-	200	-
Krall, James											
Mine	23	-	1	-	1	2,500	-	-	-	-	700

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Letsha Coal Co. Mine	24	-	1	-	1	8,000	-	-	-	7,550	
Lattimer Coal Corp. Humboldt Mine	15	-	1	-	2	100,000	5	4,000,000	-	4,875	40,225
" Stripping	15	-	-	-	-	-	-	-	-	217,025	16,836
Total for Co.		-	1	-	2	100,000	5	4,000,000	-	221,900	57,061
Laychack, Peter Mine	21	-	2	-	2	30,000	2	144,000	-	3,000	35,800
Lehigh Navigation Coal Co., Inc.											
Tamaqua Mine	17	5	-	-	5	675,720	6	9,114,726	-	310,425	267,125
" Stripping	17	-	-	-	-	-	-	-	-	1,471,265	-
Coaldale Mine	18	3	-	1	4	580,000	8	25,200,000	-	231,900	371,325
" Stripping	18	-	-	-	-	-	-	-	-	477,890	-
Total for Co.		8	-	1	9	1,255,720	14	34,314,726	-	2,491,480	638,450
Lehigh Valley Coal Co.											
Prospect	9	2	2	-	-	-	-	-	-	-	-
Westmoreland Mine	9	1	-	1	3	318,000	9	8,809,271	-	11,438	12,200
Henry Mine	10	2	2	-	5	584,000	14	9,483,895	-	135,875	10,725
Dorrance Mine	11	2	-	-	4	558,000	2	3,145,862	-	144,425	-
" Stripping	11	-	-	-	-	-	-	-	-	3,840	-
Franklin Mine	11	-	1	-	2	208,000	2	1,495,636	-	550	9,925
Hazleton Shaft Mine	15	1	2	-	5	690,000	2	2,691,312	-	-	312,225
" Stripping	15	-	-	-	-	-	-	-	-	88,750	-
Black Ridge "	15	-	-	-	-	-	-	-	-	21,125	-
Cranberry "	15	-	-	-	-	-	-	-	-	146,700	-
Total for Co.		8	7	1	19	2,358,000	29	25,625,976	-	552,703	345,075

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Lehman Coal Co. Mine	25	-	1	-	1	18,000	3	384,000	-	-	4,700
Level Coal Co. Mine	24	-	-	1	1	24,000	1	20,000	-	-	500
L. H. T. Coal Co. Mine	19	-	1	-	n	2,900	1	25,000	-	-	3,200
L. & M. Coal Co. Mine	22	-	1	-	2	40,000	2	720,000	-	-	17,225
Locust Creek Coal Co. Packer 2-3-4- Mines	20	-	4	-	2	320,000	6	6,762,726	-	-	-
Lombardi Coal Co. Austin Heights Mine	5	-	2	-	-	-	1	10,000	-	1,800	16,175
Oak Hill Mine	5	-	1	-	-	-	-	-	-	-	10,500
Total for Co.	-	-	3	-	-	-	1	10,000	-	1,800	26,675
Lucas Bros. Coal Co. Mine	27	-	1	-	-	-	-	-	-	-	600
Luzerne-Carbon Coal Co. Mine	18	-	1	-	2	4,500	1	2,300	-	-	2,000
Malho Coal Co. Mine	27	-	1	-	-	-	1	11,000	-	8,100	5,830
Mallio Coal Co. Mine	22	-	1	-	-	-	-	-	-	-	7,300
Maltby Coal Co. Maltby Mine	9	-	1	-	1	53-000	-	-	-	-	21,750

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, Dewatering, Explosives

1953

Operators & collieries	Dist- rict :	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Mammoth Coal Co.											
Mammoth Stripping	22	-	-	-	-	-	1,240,000	-	1,507,641	-	
Morris Ridge "	22	-	-	-	-	-	-	-	72,900	-	
Total for Co.		-	-	-	-	-	1,240,000	-	1,580,541	-	
Marjle Mining Co.											
Mine	27	-	5	-	8	39,000	350,000	-	-	-	28,800
Marko & Co.											
Mine	26	-	1	-	-	-	-	-	-	-	840
Markson Coal Co.											
Markson Mine	25	-	2	-	4	180,000	3,550,000	-	-	-	18,000
Marquette & Leichty											
Mine	23	-	1	-	1	2,500	300	-	-	-	1,800
Martha Coal Co.											
Mine	18	-	1	-	-	-	-	-	-	-	400
Maryd Coal Mining Co.											
Carbon Stripping	19	-	-	-	-	-	-	-	-	-	360,000
Matrishin Coal Co.											
Mine	20	-	1	-	-	-	-	-	-	125	3,150
Maurer, Clark											
Mine	25	-	1	-	2	5,500	-	-	-	-	9,560
Mazzoni Coal Co.											
Mine	1	-	1	-	1	6,000	-	-	-	4,975	17,975
M. & B. Coal Co.											
Mine	3	-	2	-	1	30,000	-	-	-	-	200

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
M. B. & B. Contrg. Co. Stripping	22	-	-	-	-	-	-	-	8,915	118,440	
Meadowside Coal Co. Stripping	3	-	-	-	-	-	-	-	1,200	-	
Metro Quarry & Materials Co. Stripping	22	-	-	-	-	-	-	-	539,242	-	
Michaels Mining Co. Mine	25	-	2	-	1	48,000	4	480,000	850	41,600	
Mika, John Stripping	25	-	-	-	-	-	-	-	4,250	-	
Millard Coal Co. Mine	19	-	1	-	1	10,000	1	12,000	-	3,000	
Miller, Rufus Mine	25	-	1	-	-	-	1	15,700	-	2,500	
Minichello Coal Co. Mine	6	-	1	-	n	4,625	1	1,800	-	275	
Minnichbach & Co., W. Mine	21	-	1	-	1	15,000	-	-	-	9,408	
M. & N. Coal Co. Mine	27	-	1	-	-	-	-	-	-	2,200	

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventilating fans	Total Quantity of air delivered by all fans per minute	Number of pumps delivering water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permissible explosives used
		:Shaft	Slope	Drift:							
Moffat Coal Co.											
Cayuga	3	-	1	-	1	200,000	-	-	-	2,125	33,500
Brisbin Stripping	3	-	-	-	-	-	-	-	-	1,000	-
Mt. Pleasant "	3	-	-	-	-	-	-	-	-	2,000	-
Rockwell Mine	3	-	3	1	2	37,000	-	-	-	-	18,425
" Stripping	3	-	-	-	-	-	-	-	-	2,750	-
Storrs Mine	3	2	4	-	4	788,000	4	10,803,500	-	57,050	294,425
" Stripping	3	-	-	-	-	-	-	-	-	40,000	-
National Mine Fire	5	-	-	-	-	-	-	-	-	1,150	-
" Stripping	5	-	-	-	-	-	-	-	-	1,000	-
Archbald Shaft	5	1	-	-	1	207,000	-	-	-	2,250	15,375
Continental Slope	5	-	1	-	1	245,000	-	-	-	2,125	66,750
" Stripping	5	-	-	-	-	-	-	-	-	3,150	1,300
Taylor Mine	5	-	1	1	2	535,000	-	-	-	26,625	23,150
Pyne Mine	5	-	2	-	1	246,000	-	-	-	36,775	32,000
" Stripping	5	-	-	-	-	-	-	-	-	10,850	7,000
Hyde Park Mine	5	1	-	-	1	140,000	-	-	-	1,725	68,125
" " Stripping	5	-	-	-	-	-	-	-	-	1,500	1,000
Rogers Mine	5	-	1	-	-	-	-	-	-	6,450	32,850
Leshuk Mine	5	-	1	-	-	-	-	-	-	750	6,750
Schuster Mine	5	-	1	-	1	22,000	1	12,000	-	-	15,750
Papparelli Mine	5	-	1	-	1	15,000	-	-	-	-	675
Total for Co.		4	16	2	15	2,435,000'	5	10,815,500'	-	199,275	617,075
Moosic Mountain Coal Co.											
Stripping	2	-	-	-	-	-	-	-	-	650	-
Morea Mining Co.											
Morea	26	-	-	-	-	-	1	1,920,000	-	-	-
" Stripping	26	-	-	-	-	-	-	-	-	108,050	-
Total for Co.		-	-	-	-	-	1	1,920,000	-	108,050	-

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Motley Coal Co.											
Erie Mine	1	-	2	1	2	51,000	1	328,000	-	-	18,750
" Stripping	1	-	-	-	-	-	-	-	-	250	-
Total for Co.		-	2	1	2	51,000	1	328,000	-	250	18,750
Mountain Coal Co.											
Mine	6	-	1	-	n	5,135	1	500	-	-	6,500
Mountain Slope Coal Co.											
Mine	5	-	1	-	1	23,000	-	-	-	950	12,225
Mountain Top Coal Co.											
Tomhicken Stripping	15	-	-	-	-	-	-	-	-	200	-
Junedale Stripping	18	-	-	-	-	-	2	997,500	-	1,000	-
Total for Co.		-	-	-	-	-	2	997,500	-	1,200	-
Moyer, Lloyd											
Mine	25	-	1	-	-	-	-	-	-	3,800	6,600
Mt. Penn Contrg. Co.											
Stripping	19	-	-	-	-	-	-	-	-	950	8,900
Musick & Klimas											
Mine	21	-	1	-	1	17,000	2	50,000	-	-	2,200
Neumeister & Geist											
Mine	27	-	1	1	-	-	-	-	-	5,750	-
Newport Excavating Co.											
Stripping	7	-	-	-	-	-	-	-	-	855,430	-

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permis- sible ex- plosives used
		Shaft	Slope	Drift:							
No. 9 Coal Co.											
No. 9 Mine	6	3	1	-	1	190,000	8	12,500,000	-	-	13,375
No. 6 Mine	8	2	2	-	5	531,250	-	-	-	11,075	292,150
Total for Co.		5	3	-	6	721,250	8	12,500,000	-	11,075	305,525
No. 14 Coal Co.											
Mine	8	2	1	-	3	412,340	4	5,000,000	-	1,950	157,775
Stripping	8	-	-	-	-	-	-	-	-	1,550	675
Total for Co.		2	1	-	3	412,340	4	5,000,000	-	3,500	158,450
Northwest Coal Co.											
Raymond Mine	1	-	1	-	1	35,000	1	720,000	-	-	115,100
" Stripping	1	-	-	-	-	-	-	-	-	8,750	-
Mine	3	-	1	-	1	10,000	-	-	-	600	17,500
Stripping	3	-	-	-	-	-	-	-	-	200	-
Total for Co.		-	2	-	2	45,000	1	720,000	-	9,550	132,600
Old Forge Coal Co.											
Florine Mine	5	-	2	-	2	48,000	1	5,760,000	-	175	2,500
Mine	6	-	6	-	1	23,000	-	-	-	100	10,625
Stripping	6	-	-	-	-	-	-	-	-	49,350	15,400
Total for Co.		-	8	-	3	71,000	1	5,760,000	-	49,625	28,525
Olenick & Sons											
Mine	21	-	1	-	-	-	-	-	-	-	2,000
Otto Collieries Co.											
Oakland Breaker	22	-	-	-	-	-	1	3,780,000	-	-	-
Otto Bros. Coal Co.											
Mine	27	-	2	-	2	17,250	1	90,000	-	-	30,000

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DOWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permis- sible ex- plosives used
		Shaft	Slope	Drift:							
Payne Coal Co.											
Spring Mtn. Breaker	26	-	-	-	-	2	1,728,000	-	-	-	
" " Stripping	26	-	-	-	-	-	-	-	96,650	-	
Spring Brook Stripping	26	-	-	-	-	-	-	-	150,050	-	
Total for Co.		-	-	-	-	2	1,728,000	-	246,700	-	
Peca Coal Co.											
Primrose Mine	26	1	1	-	3	45,000	-	-	1,000	36,000	
" Stripping	26	-	-	-	-	-	-	-	-	-	
Total for Co.		1	1	-	3	45,000	-	-	1,000	36,000	
Peerless Coal Co.											
Mine	24	-	-	1	1	10,000	-	-	2,500	9,000	
Penag Coal Co.											
Penag Mine	25	-	3	-	1	20,000	2	672,000	-	27,300	
Penn Rich Contrg. Co.											
Stripping	18	-	-	-	-	-	-	-	89,780	-	
Pennsylvania Coal Co.											
Underwood Mine	2	3	-	-	2	209,650	5	16,704,000	-	20,675	
Ewen Mine	8	1	-	-	3	518,800	10	28,512,000	-	142,723	
Total for Co.		4	-	-	5	728,450	15	45,216,000	-	163,398	
Perry Construction Co.											
Stripping	1	-	-	-	-	-	-	-	34,000	-	
Stripping	2	-	-	-	-	-	-	-	70,500	-	
Total for Co.		-	-	-	-	-	-	-	104,500	-	
P. & F. Coal Co.											
Mine	18	-	1	-	1	72,000	-	-	1,200	15,350	

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		:Shaft	Slope	Drift:							
Philadelphia & Reading Coal & Iron Co.											
Newkirk Tunnel	19	-	-	1	1	100,000	-	-	-	42,600	17,050
Pine Knot Stripping	19	-	-	-	-	-	-	-	-	655,633	-
Wadesville Stripping	19	-	-	-	-	-	2	5,359,243	-	2,585,250	-
Knickerbocker Mine	20	-	2	-	-	-	2	1,465,800	-	455	24,868
" Stripping	20	-	-	-	-	-	-	-	-	389,545	-
Maple Hill Mine	20	2	-	-	4	293,120	7	12,670,700	-	65,250	132,098
Shenandoah Stripping	20	-	-	-	-	-	-	-	-	3,167,508	-
Pine Knot Mine	21	1	-	-	3	200,000	5	3,247,130	-	35,950	86,350
Capparell Strippings	21	-	-	-	-	-	-	-	-	1,215,009	-
Correale Stripping	21	-	-	-	-	-	-	-	-	7,200	-
East Stripping	22	-	-	-	-	-	-	-	-	77,200	-
Alaska Mine	23	2	-	-	2	200,000	2	2,695,000	-	-	53,142
Independent Mines	23	-	4	-	1	6,000	1	480,000	-	-	27,250
Locust Gap Mine	23	1	2	-	18	871,000	7	5,895,000	-	72,700	205,350
" " Stripping	23	-	-	-	-	-	-	-	-	1,491,715	-
Reliance Mine	23	1	-	-	3	315,480	2	4,424,000	-	-	4,777
" Stripping	23	-	-	-	-	-	-	-	-	498,825	-
Pumping Stations	23	-	1	-	-	-	2	9,813,000	-	-	-
Pumping Station	24	-	1	-	-	-	2	3,455,000	-	-	-
United Stripping	24	-	-	-	-	-	-	-	-	3,850	-
Porter Tunnel	25	-	-	1	1	100,000	-	-	-	10,300	22,825
Mahanoy City Mine	26	-	2	-	-	-	3	4,815,600	-	195	10,658
Tunnel Ridge Strip.	26	-	-	-	-	-	-	-	-	119,744	-
Potts Mine	27	-	2	-	4	336,400	4	2,777,000	-	73,550	164,225
" Strippings	27	-	-	-	-	-	-	-	-	5,725	87,401
Hunter Tunnel Mine	27	-	-	1	-	-	-	-	-	-	-
" " Strip.	27	-	-	-	-	-	-	-	-	2,475	-
Buck Run Mine	27	-	1	-	-	-	2	3,074,376	-	-	-
Total for Co.		7	15	3	37	2,422,000	41	60,171,849	-	10,520,679	835,994

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Phoenix Park Coal Co. Mine	21	1	-	-	1	75,000	1	486,000	-	525	9,050
Pine Ridge Mining Co. Stripping	22	-	-	-	-	-	-	-	-	3,000	-
Pioneer City Coal Co. Racket Brook Mine	1	-	2	2	2	65,000	2	750,000	-	-	8,625
" " Strip.	1	-	-	-	-	-	-	-	-	14,350	-
Total for Co.		-	2	2	2	65,000	2	750,000	-	14,350	8,625
Pioneer Excavating Co. Stripping	1	-	-	-	-	-	-	-	-	38,200	-
P. & J. Coal Co. Mine	8	-	1	-	-	-	-	-	-	-	5,625
Flains-Hilldale Coal Co. No. 14 Drifts	8	-	4	-	2	190,000	-	-	-	2,350	56,400
" Stripping	8	-	-	-	-	-	-	-	-	4,650	-
Total for Co.		-	4	-	2	190,000	-	-	-	7,000	56,400
Floskonka Coal Co. Mine	1	-	1	-	1	35,000	1	12,000	-	13,850	54,250
Pompey Coal Co. Pompey Mine	1	-	2	-	3	148,000	3	9,100,000	-	23,100	144,550
Port Coal Co. Mine	19	-	1	-	n	8,200	1	140,000	-	-	3,800
P. P. & G. Coal Co. Mine	21	-	1	-	1	12,000	-	-	-	-	1,880

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist.:	Mine Openings			No. of ventilating fans	Total Quantity of air delivered by all fans per minute	Number of pumps delivering water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permissible explosives used
		rict : Shaft	Slope	Drift:							
Pringle Coal Co. East Boston Mine	10	1	1	-	1	76,400	-	-	-	-	34,525
Raven Run Coal Co. Germantown Mine	22	1	3	-	4	300,000	5	4,232,800	-	293,300	87,950
Ray & Co. Mine	21	-	-	1	1	10,000	-	-	-	-	1,445
Recla Coal Co. Mine	27	-	1	-	-	-	-	-	-	-	850
Reed Coal Co. Mine	24	-	1	-	1	11,000	1	24,000	-	-	12,000
Reed, Harry & Mark Mine	27	-	1	-	1	2,600	1	-	-	-	7,365
Reichneder, George Stripping	21	-	-	-	-	-	-	-	-	24,700	-
Renninger Coal Co. Mine	21	-	1	-	1	175,000	1	153,000	-	-	19,100
Repplier Coal Co. Stripping	19	-	-	-	-	-	-	-	-	57,107	-
Rickert Bros. Coal Co. Mine	27	-	2	-	1	25,000	-	-	-	2,100	15,600
Rigdosh, George Mine	25	-	1	-	2	15,000	2	150,000	-	-	2,290
Riveredge Coal Co. Mine	1	-	1	-	1	16,400	2	13,000	-	450	7,000

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Rock Ridge Coal Co. Mine	23	-	1	-	-	-	-	-	-	-	5,000
Rooster Coal Co. Centralia Mine	22	-	2	-	1	45,000	-	-	-	-	1,500
Rosini Bros. Coal Co. Fidler Stripping	24	-	-	-	-	-	-	-	2,200	-	-
Russell Coal Co. Russell Mine	6	2	1	-	2	67,000	-	-	-	-	25,890
Rymar Coal Co. Mine	26	-	1	-	-	-	-	-	-	-	2,000
Ryon Coal Co. Stripping	19	-	-	-	-	-	-	-	-	500	100
Mine	20	-	1	-	-	-	-	-	-	-	-
Total for Co.	-	-	1	-	-	-	-	-	-	500	100
S. A. & J. Coal Co. Mine	27	-	1	-	-	-	-	-	-	-	1,000
Sabitsky & Co., Anth. Mine	21	-	1	-	1	4,800	-	-	-	-	5,200
Sanchez Contrg. Co. Stripping	19	-	-	-	-	-	-	-	146,750	-	-
Sando & Provanzo Harwood Stripping	15	-	-	-	-	-	-	-	-	400	-
Spearpoint "	15	-	-	-	-	-	-	-	-	300	-
Total for Co.	-	-	-	-	-	-	-	-	-	700	-

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Sandy Run Miners & Producers Co.											
Upper Lehigh Strip.	15	-	-	-	-	-	-	-	20,100	-	
Sarf Coal Co.											
Mine	6	-	4	-	5	119,000	-	-	4,800	39,700	
Rex Mine	8	-	1	-	-	-	-	-	-	14,375	
" Stripping	8	-	-	-	-	-	-	-	1,200	-	
Total for Co.		-	5	-	5	119,000	-	-	6,000	54,075	
Sausnock & Mady Mine	27	-	2	-	-	-	-	-	-	-	500
Schneck, Thomas Mine	27	-	1	-	4	6,390	2	50,000	-	5,000	8,000
Schoener Contrg. Co. Stripping	19	-	-	-	-	-	-	-	-	690	-
Schumacher & Son, J. E. Kemble Stripping	27	-	-	-	-	-	-	-	-	127,750	-
Shade, Lawrence Mine	25	-	1	1	-	-	1	70,000	-	-	1,475
Shallamanda, Steve Stripping	25	-	-	-	-	-	-	-	-	2,750	-
Shenandoah Coal Co. Mine	19	-	1	-	n	4,600	1	98,000	-	-	2,600
Simoes & Co. Mine	26	-	1	-	-	-	-	-	-	1,950	1,065

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Simpson Coal Co.											
Northwest Mine	1	-	2	3	4	16,200	4	135,000	-	5,800	24,400
" Stripping	1	-	-	-	-	-	-	-	-	2,000	2,000
Total for Co.		-	2	3	4	16,200	4	135,000	-	7,800	26,400
Skytop Coal Co.											
Skytop	26	-	-	-	-	-	1	210,000	-	-	-
Snyder Coal Co.											
Mine	2	-	1	-	1	32,000	-	-	-	1,875	36,600
Sobleskie Coal Co.											
Mine	2	-	1	-	1	16,260	-	-	-	5,025	14,200
Spearhead Mining Co.											
Mine	26	-	3	-	1	21,500	1	100	-	-	15,475
Spring Glen Coal Co.											
Mine	25	-	2	-	2	5,000	2	20,000	-	-	2,600
Stackhouse Coal Co.											
Mine	14	-	1	-	n	-	-	-	-	-	100
St. Clair Coal Co.											
St. Clair Mine	19	-	2	-	5	395,000	6	7,345,350	-	3,600	89,750
" Stripping	19	-	-	-	-	-	-	-	-	509,105	-
Total for Co.		-	2	-	5	395,000	6	7,345,350	-	512,705	89,750
Steam Coals, Inc.											
Hickory Stripping	24	-	-	-	-	-	-	-	-	1,200	-
Shenandoah "	24	-	-	-	-	-	-	-	-	4,500	-
Thomas & Bro. "	24	-	-	-	-	-	-	-	-	1,500	-
Independent Mines	24	-	-	-	-	-	-	-	-	-	10,000
Total for Co.		-	-	-	-	-	-	-	-	7,200	10,000

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DFWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		:Shaft	Slope	: Drift:							
Steele Contrg.Co., T.F.											
Harwood Mine	15	-	1	-	-	-	-	-	775	1,800	
Oneida Mine	15	-	4	-	-	-	-	-	2,000	3,950	
Total for Co.		-	5	-	-	-	-	-	2,775	5,750	
Stevens Coal Co.											
A.E.Dick Stripping	24	-	-	-	-	-	-	-	1,657,931	-	
Kettle Mine	24	-	2	-	2	33,300	-	-	-	13,650	
Konyar Mine	24	-	1	-	1	4,850	1	15,000	-	5,000	
Springfield Mine	24	-	1	1	4	56,000	-	-	-	44,400	
West End Mine	24	-	1	-	1	6,800	-	-	-	2,725	
Independent Mines	24	-	8	-	8	25,000	4	11,000	-	21,050	
Westwood Stripping	25	-	-	-	-	-	-	-	375	-	
Total for Co.		-	13	1	16	125,950	5	26,000	-	1,658,306	
Stiely, Wellington											
Stripping	27	-	-	-	-	-	-	-	-	19,000	
Stump, F. B.											
Mine	25	-	-	1	-	-	-	-	-	9,888	
Sullivan Trail C. Co.											
Buck Mountain Strip.	26	-	-	-	-	-	2	2,160,000	-	36,850	
Sunshine Coal Co.											
Mine	1	-	1	-	1	6,000	1	47,520	-	1,875	
Susquehanna Collieries											
Div., M.A. Hanna Co.											
No. 7 Mine	14	1	3	-	5	432,800	7	11,395,000	-	1,250	
" Stripping	14	-	-	-	-	-	-	-	11,450	-	

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Susquehanna Colls. Div.											
M. A. Hanna Co., Contd.											
Glen Lyon Mine	14	1	2	2	7	624,000	12	4,980,000	-	20,550	194,300
" " Stripping	14	-	-	-	-	-	-	-	-	17,000	12,878
Alden Mine	14	-	2	-	1	50,000	1	63,000	-	1,250	14,400
" " Stripping	14	-	-	-	-	-	-	-	-	4,700	49,700
Logan Basin "	22	-	-	-	-	-	-	-	-	442,928	-
Glen Burn Mine	24	-	-	1	2	350,000	5	240,648	-	62,455	61,325
Maysville #1 Mine	24	-	1	-	1	150,000	4	158,040	-	6,550	46,400
Maysville #2 Mine	24	-	1	-	1	115,000	2	77,664	-	7,325	36,050
K. & H. Stripping	24	-	-	-	-	-	-	-	-	49,225	-
United Stripping	24	-	-	-	-	-	-	-	-	3,200	-
Capitol "	24	-	-	-	-	-	-	-	-	9,250	-
Total for Co.		2	9	3	17	1,721,800	31	16,914,352	-	637,133	547,978
Sussex Coal Co.											
Mine	6	-	5	-	2	30,000	-	-	-	1,625	12,950
Swartzlander Coal Co.											
Mine	27	-	1	-	1	3,150	2	158,400	-	2,600	13,000
Swoyer Coal Co.											
Mine	2	-	1	-	n	16,330	-	-	-	-	2,200
Tarrone Coal Co.											
Stripping	22	-	-	-	-	-	-	-	-	-	2,800
Tenaglia Coal Co.											
Mine	22	-	1	-	-	-	-	-	-	900	2,100
Thomas & Bro., W. H.											
Stripping	27	-	-	-	-	-	-	-	-	1,200	-

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEMATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Throop Mining Co. Mine	2	-	1	-	n	15,160	-	-	-	620	9,800
Tolerico Coal Co. Stripping	1	-	-	-	-	-	-	-	-	31,631	-
Trail Coal Co. Mine	19	-	-	1	1	15,000	-	-	-	-	5,100
Troup & Neumeister Mine	27	-	1	-	-	-	1	85,000	-	-	4,000
Tunnel Coal Co. Mine	27	-	1	-	1	16,000	-	-	-	-	10,700
Turnpike Coal Co. Mine	2	-	3	2	3	73,765	-	-	-	5,625	74,400
U. & M. Coal Co. Mine	3	-	1	-	1	10,000	-	-	-	970	3,480
Underkoffler, H. Breaker	25	-	-	-	-	-	-	-	-	650	125
United Contrg. Co. Stripping	19	-	-	-	-	-	-	-	-	870	-
Valley Constr'n. Co. Mine	27	-	1	-	1	3,600	1	30,000	-	-	3,425
V. Coal Co. Mine	6	-	-	2	1	7,000	-	-	-	-	950
Venture Coal Co. Mine	2	-	1	-	n	15,125	-	-	-	-	3,400
Village Slope Coal Co. Mine	2	-	3	-	3	88,400	-	-	-	9,500	64,500

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, Dewatering, Explosives

1953

Operators & collieries	Dist- rict :	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permis- sible ex- plosives used
		:Shaft	Slope	Drift:							
Vlasuk Coal Co. Mine	20	-	1	-	-	-	-	-	-	3,450	
Waddell Coal Co. Waddell Mine	1	-	13	-	7	13,200	2	13,600	-	4,945	52,350
Walaitis Coal Co. Mine	27	-	1	-	-	-	-	-	-	2,450	5,350
Waterhole Partners Mine	27	-	1	-	1	10,000	1	48,000	-	-	1,300
Wat-Rap Coal Co. Spring Brook Mine	26	1	1	-	2	6,000	-	-	-	16,000	2,100
West Cameron Coal Co. Mine	24	-	1	-	1	14,000	1	5,000	-	-	4,500
West Exeter Coal Co. W. Exeter Mine	9	-	1	-	1	20,000	-	-	-	-	17,500
West Side Coal Co. West Side Mine	10	-	1	-	1	29,500	-	-	-	75	2,050
Weston Coal Co. Mine	19	-	-	1	1	10,000	-	-	-	1,375	-
Morea Stripping	26	-	-	-	-	-	4	5,760,000	-	975,892	-
Total for Co.		-	-	1	1	10,000	4	5,760,000	-	977,267	-
Weston Dodson & Co., Inc. Dodson Mine	18	5	-	-	6	599,340	6	4,500,000	-	221,000	272,742
" Stripping	18	-	-	-	-	-	-	-	-	877,979	8,200
Total for Co.		5	-	-	6	599,340	6	4,500,000	-	1,098,979	280,942

NUMBER AND TYPE OF MINE OPENINGS, VENTILATION, DEWATERING, EXPLOSIVES

1953

Operators & collieries	Dist- rict :	Mine Openings			No. of ventil- ating fans	Total Quantity of air delivered by all fans per minute	Number of pumps deliver- ing water to surface	Approximate number of gallons per 24-hour day	Pounds black powder used	Pounds dynamite used	Pounds permiss- ible ex- plosives used
		Shaft	Slope	Drift:							
Williamstown Coal Co. Mine	25	-	-	1	2	6,000	-	-	-	-	2,400
Wyell Construction Co. Park Stripping	26	-	-	-	-	-	-	-	-	5,000	-
Yaccino Construction Co. Stripping	18	-	-	-	-	-	-	-	-	72,150	-
Yodis Coal Co. Mine	22	-	1	-	-	-	-	-	-	-	2,240
York Tunnel Coal Co. Mine	21	-	1	-	2	17,250	-	-	-	1,750	7,645
Zimmerman, Marlin Mine	25	-	1	-	-	-	1	25,000	-	-	5,200
Zimmerman, Ray Mine	25	-	2	-	1	5,000	2	144,000	-	-	9,800
REGION		107	471	80	515		483		1,900		11,722,464
									34,691,912		

n - Natural ventilation

Ber

MAILING LISTS

OPERATORS - MINE INSPECTORS

AND

EXECUTIVE OFFICE PERSONNEL

1953

Dist- rict	Operator	General Manager	Address
2	B Ace Coal Co.	Louis Simoncelli	Blakely, Pa.
26	Alessi Coal Co.	Natalie Alessi	Mahanoy City, Pa.
26	@ Alpec Coal Co.	Albert G. Peca	Mahanoy City, Pa.
24	@ Al-Penn Contr'g. Co., Inc.	Ed. Bridy	Atlas, Pa.
20	B Altamont Coal Co.	Ralph Tenaglia, 140 Nice St.,	Frackville, Pa.
27	B Andershonis Coal Co.	Charles Andershonis	Frackville, Pa.
19	@ Angelo & Borrelli	William Angelo	Minersville, Pa.
2	A. & R. Coal Co.	Ralph Riccini	Jessup, Pa.
27	B Ashland Coal Co.	John Heffner	Ashland, Pa.
20	B Atkins Coal Co.	Henry Atkins, Box 6,	Frackville, Pa.
27	Back Basin Coal Co.	Frank Mucha	Frackville, Pa.
25	@ Bain, Al.	Al. Bain	Pine Grove, Pa.
25	Banks Constr. Co., Jos.	B. C. Banks	Kingston, Pa.
27	Barba Coal Co., Jose	Jose Barba	R.D. Schuylkill Haven
24	Basin Coal Co.	Victor Murdock, 622 Bear Valley Ave.,	Shamokin, Pa.
19-23	Bazley, J. Robert	J. Robert Bazley	Port Carbon, Pa.
26	B Beaver Brook Coal Co.	George Huss	Ringtown, Pa.
18	Beaver Meadow Mng. Co.	A. J. McNulty	Beaver Meadow, Pa.
23	Bednarczyk, Joseph	Joseph Bednarczyk	Shamokin, Pa.
24	B Bellaire Coal Sales Co.	F. O. Johnson, Box 318,	Shamokin, Pa.
3-26	B ⁿ Bellevue Coal Co.	R. E. Nolan, 537 N. Washington St.,	Scranton, Pa.
10	B Bernice White Ash Coal Co.	William A. Monahan	Mildred, Pa.
23	@ Big Five Coal Co.	Charles Menapace	Atlas, Pa.
9	Bird Mining Co.	Morgan Bird, Jr.	Edwardsville, Pa.
26	@ Biros Coal Co.	John Biros	Delano, Pa.
19	B Black Heath Coal Co.	Lewis W. Jones	Cressona, Pa.
26	Blaschak Coal Co.	John Blaschak	Ringtown, Pa.
20	Blas-del Mining Co.	Manuel Delpozo	Ringtown, Pa.
1	Blasi Coal Co.	Demonic Blasi	Archbald, Pa.
1	Bliss Coal Co.	George Bliss	Peckville, Pa.
1-2	Blue Flame Coal Co.	John Fanucci	Jessup, Pa.
25	B Blyler, Roy	Roy E. Blyler	Valley View, Pa.
26	@ B. & M. Coal Co.	Nicholas Marnell	Hazleton, Pa.
19	B B. & N. Coal Co.	Paul A. Bittle	Cressona, Pa.
26	Bolish Coal Co.	John Bolish	Mahanoy City, Pa.
26	Boner & Webb Coal Co.	Ray Webb	Mahanoy City, Pa.
1	Booth, John, Inc.	Charles A. Booth	Carbondale, Pa.
21	Bosack Coal Co.	Frank Bosack	Llewellyn, Pa.
24	Boslego Coal Co.	Andrew Boslego, 738 Pine St.,	Kulpmont, Pa.
1	Botscheller Coal Co.	George Botscheller	Scranton, Pa.
27	Bowman-Coleman Coal Co.	Henry Bowman	Sacramento, Pa.
19	@ Brazukas Coal Co.	Peter Brazukas	Minersville, Pa.
26	Brehony Coal Co.	George Brehony	Frackville, Pa.
26	Bres Contracting Co.	John Gildea	Hazleton, Pa.
21	Brilla & Co., John	Francis Stevens, Box 164	Minersville, Pa.
25	Broschious & Etzweiler	Harry Etzweiler	Good Spring
23	Broschious & Rumberger	Reuben Broschious	Shamokin, Pa.
27	@ Bubble Coal Co.	Henry Trassatt	Minersville, Pa.
1	Burke Coal Co.	Timothy Burke	Scranton, Pa.
2	@ Butler & Savage	Edward Butler	Peckville, Pa.
19	Cano & Martin	Ray Cano	Minersville, Pa.
23	Capitol Coal Co.	C. J. Chervanick	Shamokin, Pa.
9-10	E Capone Coal Co.	Samuel J. Capone	Luzerne, Pa.
7	Capparell Constr. Co.	Joseph Capparell	Hazleton, Pa.
26	B Carbonizing Coal Co.	Ray E. Davis	Scranton, Pa.
19	B Cass Contracting Co.	James V. Ryan	Pottsville, Pa.
22	Centralia Mining Co.	Elmer Christ	Centralia, Pa.
8	C. & G. Coal Co.	Daniel Constantino	Yatesville, Pa.

ANTHRACITE OPERATORS, GENERAL MANAGERS, MAILING ADDRESSES

1953

Dist- rict	Operator	General Manager	Address
23	Chapleski & Folger	Leonard Chapleski	Shamokin, Pa.
21	Chornack Bros.	Steve Chornack, Box 214A,	Pottsville, Pa.
2	C. & L. Coal Co.	Frank Lehman	Blakely, Pa.
22	Coates Coal Co.	Elmer Christ	Centralia, Pa.
27	Cole Coal Co., Thomas	Thomas Cole	Mt. Carmel, Pa.
19	@ B Colitz Coal Co.	Frank Colitz	Pottsville, Pa.
19	@ Conde & Lorenzo	Casper Lorenzo	Pottsville, Pa.
10	Conlon Coal Co.	John Conlon	Hudson, Pa.
18	B Connell, John G.	John G. Connell	Beaver Meadow, Pa.
9	@ Courtdale Coal Co.	Alex Seleski	Courtdale, Pa.
23	C. & R. Trucking Co.	Russell S. Cesari	Kulpmont, Pa.
19	B Creek Coal Co.	Gene Beaver	St. Clair, Pa.
23	Cullen Coal Co.	J. J. Cullen	Mt. Carmel, Pa.
27	W Cyclone Coal Co.	J. Wm. McLaughlin	Scranton, Pa.
2	C. & S. Coal Co.	Anthony Sardo	Throop, Pa.
6	B Dalebrook Coal Co.	Henry Sindaco	Moosic, Pa.
24-27	B Dancott Coal Co.	David Evans, 231 Rock St.,	Shamokin, Pa.
27	B Dando, Joseph P., Sr.	Joseph P. Dando, Sr.	Llewellyn, Pa.
25	B Dayton Coal Co.	Roy Travitz	Williamstown, Pa.
27	@ D. & D. Coal Co.	Tony DiCello	Pottsville, Pa.
22	@ D. & D. Coal Co.	Cyril Doyle	Mt. Carmel, Pa.
1-2	B DeAngelis Coal Co.	Joseph DeAngelis	Carbondale, Pa.
25	B Deaven, David	David Deaven	Pine Grove, Pa.
27	DeClerico Coal Co., Angelo	Angelo DeClerico	Minersville, Pa.
27	Deeter & Carl Coal Co.	George Carl	Reinerton, Pa.
27	Deitrick & Ebert Coal Co.	Lewis Deitrick	Gordon, Pa.
2	Demchak Excavating Co.	George Demchak	Blakely, Pa.
1	Deweese Coal Co.	C. K. Deweese	Kingston, Pa.
9	B Dial Rock Coal Co.	Thomas R. Lewis	Wyoming, Pa.
23	B Diamond Coal Co.	Saverio Greco	Atlas, Pa.
24	B Diminick Coal Sales Co.	Ferdinand Diminick, R.D. 5,	Danville, Pa.
21	B DiRenzo Coal Co.	Dominick DiRenzo, 427 Carbon St.,	Minersville
26	Draper Contracting Co.	Elmer Christ	Gilberton, Pa.
26	Dudash & Co.	Joseph Dudash	Mahanoy City, Pa.
10-14	B Duryea Anthracite Co.	Charles A. Adonizio, Box 311,	Pittston, Pa.
6	W Dutch Gap Coal Co.	Douglas Green	Moosic, Pa.
1	Dwoncezyk Coal Co.	Joseph Dwoncezyk	Peckville, Pa.
24	B D. & Z. Coal Co.	Stanley Diminick, Box 118,	Shamokin, Pa.
19	East Mines Contracting Co.	Anthony Valent	Pottsville, Pa.
2	@ Edgewood Processing Co.	Paul Kelly	Peckville, Pa.
1	E. & E. Coal Co.	James Bell	Scranton, Pa.
1	E. & H. Coal Co.	Frank L. Surace	Childs, Pa.
20	B Englewood Coal Co.	Russell Tatusko, 109 N. 6th St.,	Frackville
25	Erdman Bros.	Jay G. Erdman	Valley View
6	W Erie Concentrated Fuel Co.,	Hopkins Morgan, 375 N. Pine St.,	Hazleton
2	@ Fabri Coal Co.	Richard Fabri	Jessup, Pa.
24	Fair Deal Coal Co.	Joseph Shingara, 634 Bear Valley Ave.,	Shamokin
21	Falls Coal Co.	John Zornheldt	Zerbe, Pa.
19	Farley & I'mat	Norbert Farley	Minersville, Pa.
21	Fegley & Tretter	Vincent Fegley, Box 435,	Minersville, Pa.
27	@ Fetterhoff & Mitsky	Lester Fetterhoff	Ravine, Pa.
2	F. & G. Coal Co.	Harry Farnetti	Jessup, Pa.
25	Fisher Associates	Harold Fisher	Pottsville, Pa.
27	W Fisher, Chas. A., Jr.	Chas. A. Fisher, Jr.	Orwigsburg, Pa.
21	Fleetwood Contracting Co.	John Cullen	Mt. Carmel, Pa.
21	B Floss Coal Co.	Charles Martin, 118 Front St.,	Minersville
26	Forgotsch & Co.	Joseph Forgotsch	Mahanoy City, Pa.
20	Forsum Coal Co.	Joseph Kufro	Barnesville, Pa.

1953

District	Operator	General Manager	Address
22	Galezniak Coal Co.	Ted Galezniak	Shenandoah, Pa.
20-22	Garber Contracting Co.	Frank A. Garber, 339 S. Spruce St.,	Mahanoy City, Pa.
22	Garber, Frank	Frank A. Garber, " "	Mahanoy City, Pa.
21	Garote & Martin	Charles Martin, 118 Front St.,	Minersville
1-2	Gasparini Excavating Co.	Gene Gasparini	Peweesville, Pa.
19-25	Gavalis Strip. Co., Jos.	Joseph Gavalis	Orwigsburg, Pa.
7	Gaylord Coal Co.	Samuel Bird	Plymouth, Pa.
3	G. C. & S. Excavating Co.	Edward Griffin	Dunmore, Pa.
9	Genelow Mining Co.	Joseph Troyan	Swoyerville, Pa.
20-22	Gerrity Contracting Co.	Richard Gerrity	Lost Creek, Pa.
1	Gianforco Coal Co.	George Gianforco	Archbald, Pa.
25	Gilbert & Co.	Roland Gilbert	Valley View, Pa.
20-22	B Gilberton Coal Co.	Elmer Christ, Box 423,	Gilberton, Pa.
1	Gillen Coal Co.	Thomas Gillen, Jr.	Carbondale, Pa.
6	Gillizzi Coal Co.	A. Gillizzi	Pittston, Pa.
5-7-9-11-12-			
13-14-26	B +Glen Aldon Coal Co.	W. W. Everett, 16 S. River St.,	Wilkes-Barre
6	@ G. & M. Coal Co.	Thos. Gilbreath	Moosic, Pa.
15	B Gowen Coal Co. (Luzerne)	Elmer Roth	Fern Glen, Pa.
24	Gowen Coal Co. (North'd.)	O. E. Salters, 41 S. Market St.,	Shamokin
3	G. R. & R. Coal Co.	Gene Rosetti	Jermyn, Pa.
18	Gravine Coal Co.	Frank Gravine	Beaver Meadow, Pa.
21	Greenbury Drift Coal Co.	Michael Dura, 126 N. 4th St.,	Frackville, Pa.
6-10-15	Greenwood Mining Co.	John S. Marshall, R.D. 2,	Wilkes-Barre, Pa.
2	Grizbin Coal Co.	George Grizbin	Jessup, Pa.
22	Grochowski Coal Co.	Alex Grochowski	Shenandoah, Pa.
19	@ Gromas Bros.	George Gromas	New Philadelphia, Pa.
2	Gubbio Coal Co.	William Logan	Throop, Pa.
2	Guiducci	Andrew Guiducci	Peckville, Pa.
26	Halaburda & Co.	Edward Halaburda	New Boston, Pa.
22	B Hammond Coal Co.	R. L. Birtley	Girardville, Pa.
9-10	B Harry E. Coal Co.	Joseph Mayers	W. Pittston, Pa.
27	Hatter Coal Co.	Ernest Hatter	Hegins, Pa.
19	W Haven Coal & Supply Co.	Chas. Manbeck	Schuylkill Haven, Pa.
22	B Hazle Brook Coal Co.	C. A. Garner	Jeddo, Pa.
24	@ H. & B. Coal Co.	Joseph Reagan, 901 N. Shamokin St.,	Shamokin
6	B Heidelberg Coal Co.	John B. McDade	Avoca, Pa.
23	Helfenstein Drift Co.	Wilfred Ermert	Shamokin, Pa.
27	Hentz Coal Co.	Barney Hentz	Hegins, Pa.
25	Herb, Allen	Allen H. Herb	Valley View, Pa.
25	Herb & Reed	Harry Reed	Tower City, Pa.
25	@ Hickory Contracting Co.	H. W. Lark	Shamokin, Pa.
25	High Test Coal Co.	Kenneth L. Curran	Good Spring, Pa.
19	Hill, Frank, Inc.	Lloyd Martz	Pottsville, Pa.
6	Hillside Coal Co. (Luz.)	Peter Scatina	Dupont, Pa.
19	B Hillside Coal Co. (Schuyl.)	Priscilla Norvidas	Tamaqua, Pa.
21-25	Hoffman Bros.	Howard Hoffman, 2136 W. End Ave.,	Pottsville, Pa.
19	Hoke & Hauptly	Joseph A. Hauptly	Pottsville, Pa.
27	Holohan Coal Co.	Thomas Holohan, R. D. 2,	Pottsville, Pa.
24	B Hoover Coal Mining Co.	George Hoover, 118 N. 6th St.,	Sunbury, Pa.
26	@ Hruniuk & Co.	John Hruniuk	Mahanoy City, Pa.
1-2-3-5-			
10-11-12	B Hudson Coal Co.	John M. Reid, 434 Wyoming Ave.,	Scranton, Pa.

+ - Has 8 Breakers

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1953

Dist rict	Operator	General Manager	Address
19-25	Huss Contracting Co., Geo.	George Huss	Ringtown, Pa.
15	B Hydrotated Anth. Fuel Co.	H. W. Hastie	Lattimer Mines, Pa.
21-27	B Indian Head Coal Co.	Louis Pagnotti	W. Pittston, Pa.
19	B Indian Run Coal Co.	Thomas Canfield	Cressona, Pa.
19	B Jac Coal Co.	George Reichneder	Minersville, Pa.
18	B Jackson Coal Co.	Harry Strohl	Pottsville, Pa.
15	B "Jeddo-Highland Coal Co.	C. A. Garner	Jeddo, Pa.
27	@ B Joliett Coal Co.	Peter Lorretti	W. Pittston, Pa.
26	B John Jones Coal Co.	John Jones	Mahanoy City, Pa.
24	B Johnson Coal Sales Co.	F. O. Johnson, Box 318,	Shamokin, Pa.
24-25	B "Jonathan Coal Mining Co.	Arthur P. Baugh, Jr., 115 E. Montgomery Ave.,	Ardmore, Pa.
22	Kaplafka Coal Co.	Andrew Kaplafka	Lost Creek, Pa.
24	B K. & D. Coal Co.	John Dietrick, Box 415,	Shamokin, Pa.
27	K. D. & P. Coal Co.	Michael Kauffman, R. D. 2,	Pottsville, Pa.
5	B Kehoe-Berge Coal Co.	Charles A. Shea, Jr.,	Pittston, Pa.
24	Kettle Coal Co.	Emil Dabra, R.D. 1, Box 205,	Shamokin, Pa.
3	@ Keyser Valley Coal Co.	Peter Brojack	Winton, Pa.
23	@ K. & H. Contracting Co.	Edward Helfrick	Mt. Carmel, Pa.
7	Kingston Excavating Co.	John B. Corgan	Kingston, Pa.
7-9	Kingston Mining Corp.	Morgan Bird	Edwardsville, Pa.
20	B Klimas Bros. Coal Co.	George Klimas	Shaft, Pa.
19	B K. M. F. Coal Service	Howard Fees	Middleport, Pa.
27	@ Knorr & Schneck	Elwood Knorr	Hegins, Pa.
8	Knox Coal Co.	Robert L. Daugherty	Wyoming, Pa.
25	B Koch Bros.	Joseph Koch	Pine Grove, Pa.
25	B Kocher, Leon	Leon Kocher	Valley View, Pa.
20	B Kohinoor Coal Co.	R. L. Birtley	Shenandoah, Pa.
25	Koppenhaver, Howard	Howard Koppenhaver	Tremont, Pa.
10	K. P. T. Coal Co.	Joseph Kenzakoski	Parsons, Pa.
23	@ Krall, James	James Krall	Elysburg, Pa.
19	@ Kurchock Coal Co.	Claude John	Pottsville, Pa.
25	B Lamar Coal Co.	Sol Fox	Donaldson, Pa.
19	B Landingville Coal Co.	J. I. Hurst	Landingville, Pa.
24	Latsha Coal Co.	Daniel R. Latsha, R.D.1, Box 217,	Elysburg, Pa.
15	B Lattimer Coal Corp.	George Chisnell, Nat. Bank Bldg.,	Hazleton, Pa.
21	Laychack, Peter	Peter Laychack, R. D. 1,	Pottsville, Pa.
25	B Legal Coal Co.	Kenneth L. Curran	Good Spring, Pa.
17-18	B ⁿ Lehigh Navigation C. Co.	W. J. Parton	Lansford, Pa.
9-10-			
11-15	B ⁿ Lehigh Valley Coal Co.	K. F. Arbogast, 190 Lathrop St.,	Kingston, Pa.
25	Lehman Coal Co.	Marlin Lehman	Tremont, Pa.
24	@ Level Coal Co.	Frank V. Appel, Box 45,	Shamokin, Pa.
19	L. H. T. Coal Co.	Gabriel Lazzaro	Minersville, Pa.
21	B Live Oak Coal Co.	Peter Laychack, R. D. 1,	Pottsville, Pa.
22	L. & M. Coal Co.	John McCario	Minersville, Pa.
20	Locust Creek Coal Co.	Sol Fox, Box 29,	Shenandoah, Pa.
26	B Locust Valley Coal Co.	Herman Yudacufski	Mahanoy City, Pa.
19	B Lohb Coal Co.	J. Harold Fisher	Pottsville, Pa.
5	Lombardi Coal Co.	Dominick Lombardi	Moosic, Pa.
24	B Lower Region Coal Co.	Modes Foleri, Box 318,	Shamokin, Pa.
27	@ Lucas Bros. Coal Co.	John Lucas	Branchdale, Pa.
18	@ Luzerne-Carbon Coal Co.	Herbert Ryan	Hazleton, Pa.
25	B Lykens Hi Grade Coal Co.	Dr. J. M. Steele	Lansford, Pa.

" Has 2 Breakers
§ " 3 "

1953

Dist- rict	Operator	General Manager	Address
20-26	@ Maksimik Contracting Co.	Stanley Maksimik,	Shenandoah, Pa.
27	B Malho Coal Co.	Anthony Malho	Lavelle, Pa.
22	Mallio Coal Co.	Nick Mallio	Frackville, Pa.
9	Maltby Coal Co.	Leroy M. Sunday	Wyoming, Pa.
22	B Mammoth Coal Co.	Frank Moran	W. Pittston, Pa.
21-27	Mar Strip. & Excav. Co.	J. D. Mariner, Majestic Hotel,	Tamaqua, Pa.
27	Marjle Mining Co.	William Carl	Hegins, Pa.
26	Marko & Co.	John Markowsky	Shenandoah, Pa.
25	@ B Markson Coal Co.	Edwin A. Weyman	Good Spring, Pa.
23	Marquette & Leichty	Joseph Leichty	Shamokin, Pa.
18	@ Martha Coal Co.	Arthur Glance	Hazleton, Pa.
24	Martinez, Broderick, Bridy	Joseph Martinez	Wilburton, Pa.
19	B Maryd Coal Mining Co.	Norman James	Maryd, Pa.
20	Matrishin Coal Co.	Andrew Matrishin, Park Crest,	Barnesville, Pa.
25	Maurer, Clark	Clark Maurer, Jr.	Hegins, Pa.
24	B Maurer Coal Sales Co.	Charles Maurer, Box 318,	Shamokin, Pa.
26	B Mazaika Bros.	Edward Mazaika R. D.,	Tamaqua, Pa.
1	Mazzoni Coal Co.	Delmo Mazzoni	Peckville, Pa.
3	@ M. & B. Coal Co.	Quentin Materazzi	Scranton, Pa.
22	@ M. B. & B. Contrg. Co.	Joseph Martinez	Wilburton, Pa.
19	@ McHale & Santor	James McHale	Port Carbon, Pa.
3	B Meadowside Coal Co.	Joseph Rosetti	Dunmore, Pa.
22	Metro Quarry & Materials Co.	John Jones	Pottsville, Pa.
25	Michaels Mining Co.	Harold Fisher	Pottsville, Pa.
25	Mika, John	John Mika	Mahanoy City, Pa.
19	Millard Coal Co.	Joseph E. Millard	Minersville, Pa.
25	B Miller, Franklin	Franklin Miller	Ravine, Pa.
25	Miller, Rufus	Rufus Miller	Hegins, Pa.
6	@ Minichello Coal Co.	Rocco Minichello	Old Boston, Pa.
21	Minnichbach & Co., W.	Charles Graver	Zerbe, Pa.
19-21	W M. & M. Coal Co.	Charles Manbeck	Schuylkill Haven, Pa.
27	@ M. & N. Coal Co.	Michael Olenick, R. D. 1,	Pottsville, Pa.
3-5	B ^m Moffat Coal Co.	Earl Lamb, Box 486	Scranton, Pa.
23	@ Moncavage Bros.	Anthony Moncavage	Mt. Carmel, Pa.
2	B Moosic Mountain Coal Co.	Raniero Giombetti	Jessup, Pa.
26	B Morea Mining Co.	Albert G. Peca	Mahanoy City, Pa.
19	@ Moss Glen Contrg. Co.	Ralph Peters	Maryd, Pa.
1	B Motley Coal Co.	Sandy Consagra	Mayfield, Pa.
6	Mountain Coal Co.	Raymond Venarucci	Pittston, Pa.
5	Mountain Slope Coal Co.	Luke Keating	Old Forge, Pa.
15-18	B Mountain Top Coal Co.	Ralph H. Peters	Junedale, Pa.
25	Moyer, Lloyd	Lloyd Moyer, R. D. 3,	Pine Grove, Pa.
19-27	Mt. Penn Contracting Co.	Joseph A. Martinez	Wilburton, Pa.
21	Musick & Klimas	Steve Musick, 516 Lytle St.,	Minersville, Pa.
19	Nagle Contrg. Co., Jos.	Joseph Nagle	Cressona, Pa.
3	B Nay Aug Coal Co.	Frank J. Collins, 722 Wyoming Ave.,	Scranton
27	Neumeister & Geist	Harvey Neumeister, R. D.	Hegins, Pa.
7	Newport Excavating Co.	L. F. Biscontini	Nanticoke, Pa.
6-8	B No. 9 Coal Co.	Joseph Mayers, Exeter Ave.,	W. Pittston, Pa.
8	No. 14 Coal Co.	Charles Gelso, Box 379	Pittston, Pa.
1-3	B Northwest Coal Co.	Oresti Paoletti, Box 425,	Carbondale, Pa.
25	B O'Brien, Pat	Harry O'Brien	Pine Grove, Pa.
5-6	B Old Forge Coal Co.	Albert Minichello	Old Forge, Pa.
21	Olenick & Sons	John Olenick, Box 117A,	Pottsville, Pa.
19	@ Oneida Engineering Co.	Frank Ferdinand	Hazleton, Pa.
20	Oravitz Contracting Co.	Emmett Oravitz, 101 S. Main St.,	Shenandoah
27	Otto Bros. Coal Co.	Norman Otto	Hegins, Pa.
27	B Otto Collieries Co.	E. B. Hartman	Ashland, Pa.

ANTHRACITE OPERATORS, GENERAL MANAGERS, MAILING ADDRESSES

1953

District	Operator	General Manager	Address
10	B Park Side Coal Co.	Michael Guillorn	Mildred, Pa.
26	B Payne Coal Co.	H. G. Haupt	Kingston, Pa.
26	Peca Coal Co.	Albert G. Peca	Mahanoy City, Pa.
24	Peerless Coal Co.	Ed. J. Malewak, 807 W. Walnut St.,	Shamokin
25	B Penag Coal Co.	Edward G. Twigg	Shamokin, Pa.
1	B Penbrook Coal Co.	Richard Fabri	Archbald, Pa.
18	Penn Rich Contracting Co.	A. D. Snyder	New Tripoli, Pa.
19	B Penna Coal Co.	Joseph Penna	Minersville, Pa.
2-8	B ⁿ Pennsylvania Coal Co.	R. A. Lambert, Box 391,	Scranton, Pa.
1-2	Perry Construction Co.	Alex Fink, 825 Olive St.,	Scranton, Pa.
18	P. & F. Coal Co.	R. Pavlick	Hazleton, Pa.
19-20-21-22-23-			
24-25-26-	Philadelphia & Reading	George J. Clark, Second &	
27 #	B Coal & Iron Co.	Mahantongo Sts.,	Pottsville, Pa.
20-23-26	B Phoenix Contracting Co.	John E. Jones, Jr.	Pottsville, Pa.
21	B Phoenix Park Coal Co.	Lawrence Biscontini, 619	S. Market St., Nanticoke, Pa.
25	B Pine Creek Coal Co.	Harrison Klinger	Spring Glen, Pa.
22-27	B Pine Ridge Mining Co.	Stephen A. Kotch	Ashland, Pa.
1	B Pioneer City Coal Co.	Angelo Giombetti	Carbondale, Pa.
1	Pioneer Excavating Co.	Ben Tolerico	Carbondale, Pa.
8	P. & J. Coal Co.	Henry Sindaco, 60 Inkerman Road,	Pittston, Pa.
8	Plains-Hilldale Coal Co.	Carlo Saporito, R. D. 2.,	Wilkes-Barre, Pa.
1	Ploskonka Coal Co.	Louis Ploskonka	Peckville, Pa.
1-2	B Pompey Coal Co.	Charles Pompey	Jessup, Pa.
19	Port Coal Co.	Paul Williamson	Pottsville, Pa.
25	B Potts, Allen	Allen Potts	Fine Grove, Pa.
21	@ P. P. & G. Coal Co.	John Pritishkutch, Box 126,	R.D., Pottsville
19	B Price Coal Co.	Harold L. Price	Pottsville, Pa.
10	Pringle Coal Co.	Thomas Carey, Box 81,	Luzerne, Pa.
22	Raven Run Coal Co.	C. A. Garner	Jeddo, Pa.
21	Ray & Co.	Ray Bosack	Llewellyn, Pa.
23	B Reading Briquet Co.	A. H. Stanley	Locust Gap, Pa.
27	Recla Coal Co.	Lyle Seiler	Schuylkill Haven, Pa.
24	Reed Coal Co.	Clarence Reed, 412 Spruce	St., Shamokin, Pa.
27	Reed, Harry & Mark	Harry Reed	Valley View, Pa.
19	W Reevesdale Coal Co.	Charles Manbeck	Schuylkill Haven, Pa.
21	Reichneder, George	George Reichneder, 351 S.	2nd, Pottsville, Pa.
24	B Reidinger Coal Service	Victor Reidinger, Box 62	Paxinos, Pa.
15-25	@ Reilly, Charles L.	Timothy J. Reilly, 1029 E.	Broad St., Hazleton
21	Renninger Coal Co.	Ted Renninger	Zerbe, Pa.
19	@ Replier Coal Co.	Don Burket	Buck Run, Pa.
26	@ B Rhoads Co., Inc.	C. E. Machamer	Ashland, Pa.
23	Rick Bros.	Michael Rick	Kulpmont, Pa.
27	Rickert Bros. Coal Co.	Thomas Rickert	Tower City, Pa.
25	Rigdosh, George	Earl Bush	Tower City, Pa.
1	@ Riverege Coal Co.	Gerald Kelly	Archbald, Pa.
23	Rock Ridge Coal Co.	Samuel Rumberger	Shamokin, Pa.
22	Rooster Coal Co.	George Maffei	Centralia, Pa.
24	B Rosini Bros. Coal Co.	Evaldo Rosini, S. 5th St.,	Shamokin, Pa.
19	@ Rowland, Robert	Robert Rowland	St. Clair, Pa.
6	B Russell Coal Co.	Steve DuBernas	Old Forge, Pa.
26	Rymar Coal Co.	John Rymarowicz	McAdoo, Pa.
19-20	Ryon Coal Co.	George W. Ryon, 1970 W. Market	St., Pottsville
27	@ S. A. & J. Coal Co.	John Trasatt	Minersville, Pa.
21	Sabitsky & Co., Anthony	Anthony Sabitsky, 409 Hickory	St., Minersville
19	Sanchez Contracting Co.	Alonzo Sanchez	Minersville, Pa.
15	@ Sando & Provanzo	Sammuel Sando, 599 Carson	St., Hazleton, Pa.

1953

Dist- rict	Operator	General Manager	Address
15	B Sandy Run Miners & Producers Co.	Thomas George	Freeland, Pa.
6-8	Sarf Coal Co.	Louis Sarf, Box 352,	Pittston, Pa.
27	Sausnock & Mady	Edward Mady	Pottsville, Pa.
25-27	B Schneck, Thomas	Thomas Schneck	Pine Grove, Pa.
19	Schock Contracting Co.	Norman Schock	Reevesdale, Pa.
19	Schoener Contracting Co.	Karl Schoener	Tamaqua, Pa.
25-27	B Schumacher & Son, J. E.	John E. Schumacher	Pottsville, Pa.
21-27	B Schuylkill Contracting Co.	James V. Ryan, Box 360½,	Pottsville, Pa.
20	B Seltzer Coal Co.	Frank Seltzer	Frackville, Pa.
23	© Sgro & Mekosh	George Mekosh	Centralia, Pa.
25	Shade Lawrence	Lawrence Shade	Valley View, Pa.
25	Shallamanda, Steve	Steve Shallamanda	Connerton, Pa.
19	Shenandoah Coal Co.	Leo Slominsky	Shenandoah, Pa.
7	W Sickler Estate	James A. Bell	Plymouth, Pa.
26	Simoes & Co.	Manuel Simoes	Mahanoy City, Pa.
1	B Simpson Coal Co.	Steve Yanck	Carbondale, Pa.
26	B Skytop Coal Co.	Daniel Periera	Mahanoy City, Pa.
2	Snyder Coal Co.	Benjamin Snyder	Olyphant, Pa.
2	Sobleskie Coal Co.	John Sobleskie	Jessup, Pa.
26	Spearhead Mining Co.	Charles Wozniak,	R. D. Moscow, Pa.
25	B Spencer Coal Co.	David D. Lavine	Pottsville, Pa.
19	B Spring Creek Coal Co.	Lawrence Bechtel	Tamaqua, Pa.
14	© Stackhouse Coal Co.	Richard Bullock	Shickshinny, Pa.
24	B Stanley Coal Co., Inc.	Kenneth Sperring, Box 282,	Shamokin, Pa.
19	B St. Clair Coal Co.	Harold A. Smyth	St. Clair, Pa.
24	B Steam Coals, Inc.	H. S. Weikel, Box 12,	Shamokin, Pa.
15	Steele Contracting Co., Inc., T. F.	E. J. Gibbons, Lehigh Valley Passenger Station, Hazleton, Pa.	
21	Stefonick, G. & M.	M. Stefonick, Thompson Bldg., Pottsville, Pa.	
24-25	B ⁿ Stevens Coal Co.	Harry Clews	Trevorton, Pa.
27	Stiely, Wellington	Wellington Stiely	Valley View, Pa.
25	Stump, F. B.	F. B. Stump	Pine Grove, Pa.
9-26	Sullivan Trail Coal Co.	Joseph Mayers	W. Pittston, Pa.
1	Sunshine Coal Co.	John Lucata, c/o Pompey C.Co.,	Jessup, Pa.
24	B Sunshine Coal Co.	Ralph Steinhart, Box 502,	Trevorton, Pa.
14-24	B ⁿ Susquehanna Collieries Div.		
	M. A. Hanna Co.	C. A. Gibbons	Nanticoke, Pa.
6	Sussex Coal Co.	C. E. Banker, Box 310,	Pittston, Pa.
27	Swartzlander Coal Co.	Jacob Swartzlander	Roinerton, Pa.
21	B Swatara Coal Co.	Price Parker, 18 N. 2nd St.,	Minersville, Pa.
24	B Swift Coal Co.	Adam Swift, 1100 Center St.,	Shamokin, Pa.
2	Swoyer Coal Co.	Harry Swoyer, 408 2nd Ave.,	Maplewood, Pa.
19	B Tamaqua Coal Pockets	D. H. Warne	Tamaqua, Pa.
22	Tarrone Coal Co.	Anthony Tarrone	Raven Run, Pa.
22	Tenaglia Coal Co.	Ralph Tenaglia	Frackville, Pa.
27	© Thomas & Bro., W. H.	W. H. Thomas	Shamokin, Pa.
2	© Throop Mining Co.	Allen Dowse	Throop, Pa.
1	Tolerico Coal Co.	Nicholas Dragotta	Archbald, Pa.
19	© Trail Coal Co.	Dave Smith	Mt. Luffee, Pa.
27	Troup & Neimeister	Warren Troup	Ashland, Pa.
19-23-25	T. & T. Contracting Co.	Wayne B. Titus	Tremont, Pa.
27	© Tunnel Coal Co.	Frank Mucha	Frackville, Pa.
2	Turnpike Coal Co.	John Vitali	Dunmore, Pa.
3	U. & M. Coal Co.	Paul Baldini	Dickson, Pa.
25	B Underkoffler, H.	Herschel Underkoffler	Williamstown, Pa.
19	© United Contracting Co.	Millard Long	Mt. Carmel, Pa.

ANTHRACITE OPERATORS, GENERAL MANAGERS, MAILING ADDRESSES

1953

Dist- rict	Operator	General Manager	Address
27	Valley Construction Co.	George Fronk	Valley View, Pa.
6-8	B Valley View Coal Co.	John A. Hart, Scranton National Bank Bldg.,	Scranton, Pa.
6	@ V. Coal Co.	Thomas Gilbreath	Moosic, Pa.
2	Venture Coal Co.	Steve Marcinka	Jessup, Pa.
2	Village Slope Coal Co.	Louis Coccodrilli	Jessup, Pa.
20	@ Vlasuk Coal Co.	Leonard Tokarczyk, 201 N. Railroad Ave.,	Frackville, Pa.
2	Volpe & Linde	Charles Volpe	Dunmore, Pa.
1	B Waddell Coal Co.	Peter Brojack	Winton, Pa.
27	Walaitis Coal Co.	John A. Walaitis	Frackville, Pa.
25	Walinchus, William	William Walinchus	Mahanoy City, Pa.
27	@ Waterhole Partners	Lawrence Keifer	Branchdale, Pa.
26	Wat-Rap Coal Co.	Harold Watkins	Audenried, Pa.
26	B Wessner Coal Co.	Lester Wessner	R.D. Tamaqua, Pa.
24	West Cameron Coal Co.	Wilfred Ermert, 410 N. Shamokin St.,	Shamokin Wyoming, Pa.
9	West Exeter Coal Co.	Peter Marinos	W. Pittston, Pa.
10	West Side Coal Co.	Bruno Ferretti	Lansford, Pa.
19-26	Weston Coal Co.	W. J. Parton	Lansford, Pa.
18	B Weston Dodson & Co., Inc.	J. J. Crane	Lansford, Pa.
27	@ White Ash Coal Co.	Milet Butts	Branchdale, Pa.
25	Williamstown Coal Co.	Walter Gordon	Williamstown, Pa.
26	Wyll Construction Co.	Michael Yaccino, Jr.	Hazleton, Pa.
8	@ Wyoming Coal Co.	Frank J. Collins	Scranton, Pa.
18	Yaccino Construction Co.	Michael Yaccino	Hazleton, Pa.
22	Yodis Coal Co.	Sylvester Yodis	Mt. Carmel, Pa.
6	C York Enterprise Coal Co.	Robert Lewis	Old Forge, Pa.
20	Yudacufski Bros.	Isadore Yudacufski, 20 S. 3rd St.,	Frackville
21	York Tunnel Coal Co.	Bernard Dunn	Branchdale, Pa.
25	Zimmerman, Marlin	Marlin Zimmerman	Ravine, Pa.
25	Zimmerman, Ray	Ray Zimmerman	Pine Grove, Pa.

415 Operators
169 Breakers
658 Mines

B - Breaker
W - Washery
P - Preparation only
" - 2 Breakers
+ - 9 "
§ - 3 "
- 4 "
@ - Discontinued operation
% - 5 Breakers

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ANTHRACITE MINE INSPECTORS

<u>Dist- rict</u>	<u>Name</u>	<u>Address</u>	<u>Town</u>
1	James F. Munley	166 Spruce St.	Archbald, Pa.
2	Theodore L. Wackley	1801 N. Washington Ave.	Scranton, Pa.
3	Willard G. Ward	119 First St. (Blakely)	Olyphant, Pa.
5	Theodore D. Rees	R. D. #1, Box 54	Scranton 11, Pa.
6	John J. Bonner	448 Harrison Ave.	Scranton 10, Pa.
7	Andrew Wilson	1491 River Road	Pittston, Pa.
8	Daniel H. Connelly	25 E. Bennett St.	Kingston, Pa.
9	David W. Cosslett	30 Main St.	Wanamie, Pa.
10	Joseph C. Hines	27 James St.	Pittston, Pa.
11	Thomas M. Beaney	316 Monument Ave.	Wyoming, Pa.
12	Edwin C. Curtis	52 Poplar St.	Kingston, Pa.
13	John D. Edwards	55 Butler St.	Wyoming, Pa.
14	Kenneth C. Lee	88 Old River Road	Wilkes-Barre, Pa.
15	Ralph Ditzler	593 N. Vine St.	Hazleton, Pa.
17	Acting Inspectors		
18	James J. Shober	227 W. Ridge St.	Lansford, Pa.
19	T. A. Ryan	1243 W. Norwegian St.	Pottsville, Pa.
20	John H. Morgan	328 Washington St.	Frackville, Pa.
21	Anthony Latz	9 W. Phillips St.	Coaldale, Pa.
22	Robert O. Schneider	216 N. Ninth St.	Ashland, Pa.
23	John P. Brophy	422 W. Third St.	Mt. Carmel, Pa.
24	Joseph R. Ruane	928 Washington St.	Shamokin, Pa.
25	Walter Davis	American Legion Blvd.	Pine Grove, Pa.
26	John B. Reinoehl	132 E. Mahanoy Ave.	Mahanoy City, Pa.
27	Harold E. Shomper	138 E. Lincoln St.	Shamokin, Pa.

ELECTRICAL INSPECTOR

Charles F. Steck	220 W. Sunbury St.	Shamokin, Pa.
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STRIPPING INSPECTORS

Joseph H. Long	106 S. Second St.	St. Clair, Pa.
Thomas M. Reese	R. D. #2	Dalton, Pa.
Henry R. Walters		Locust Gap, Pa.
Burris Kressley, Field Representative	38 W. Bertsch St.	Lansford, Pa.

EXECUTIVE OFFICES

W. J. Clements Secretary of Mines	Capitol Building 25 Ruddle St.	Harrisburg, Pa. Coaldale, Pa.
Gordon E. Smith Deputy Secretary of Mines	Schuylkill Trust Bldg. 102 Parkway	Pottsville, Pa. Schuylkill Haven, Pa.
J. V. McKenna, Acting Deputy Secretary of Mines	Capitol Building 130 Sherman Ave.	Harrisburg, Pa. Waynesburg, Pa.
Mrs. M. B. Gutshall Administrative Asst.	Capitol Building 1300 Kingsley Road	Harrisburg, Pa. Camp Hill, Pa.
Mrs. B. E. Redmond Principal Statistical Clerk.	Capitol Building	Harrisburg, Pa.

OFFER

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