COMMONWEALTH OF PENNSYLVANIA

RAYMOND P. SHAFER Governor



PERNAYLVANZA

DEPARTMENT of MINES and MINERAL INDUSTRIES

H. B. CHARMBURY

Secretary

ANTHRACITE DIVISION

1967 ANNUAL REPORT

Harrisburg

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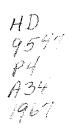


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Commonwealth of Pennsylvania Department of Mines and Mineral Industries harrisburg

H. B. CHARMBURY

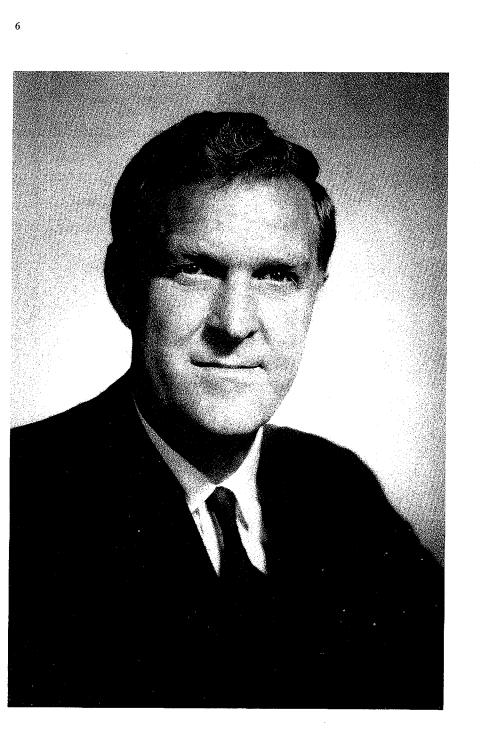
April 15, 1968

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

Dear Governor Shafer:

In compliance with the Act of April 14, 1903, I transmit herewith the Report of the Department of Mines and Mineral Industries for the year ending December 31, 1967, covering in detail the operations in the Anthracite Division of Pennsylvania.

Respectfully submitted, Blharmbury H. B. Charmbury



RAYMOND PHILIP SHAFER COVERNOR, COMMONWEALTH OF PENNSYLVANIA

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

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

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

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

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

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

Governor and Mrs. Shafer have three children: Diane, Raymond, Jr., and Jane as well as a grandson, "Flip."



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

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

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

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

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

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

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

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

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

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

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

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

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

He is a member of the Lutheran Church, A. F. & A. M., and a past exalted ruler and past district deputy grand exalted ruler of the B. P. O. Elks.

1967—YEAR OF SIGNIFICANT PROGRESS FOR THE COAL INDUSTRY AND RECLAMATION WORK

From almost the very first week of 1967, Pennsylvania's Department of Mines and Mineral Industries experienced one of the most dramatic years of achievement in the long history of this Department.

"Operation Scarlift", the Department's consummate, far-reaching mine area restoration program, was officially launched in March, culminating nearly three years of intensive research and field action demonstration projects on mine-related problems. The residue of problems were, of course, the result of a booming national growth era when coal was king of basic fuels.

Recognition of the scope of these coal-related problems reached a peak of public knowledgeability and concern about them with unanimous passage of the \$500 million Land and Water Conservation Bond Issue in May. This Fund, to be set up and implemented over a 10-year period beginning early in 1968, provided the Department with \$200 million to apply to "Scarlift", and thus to fight burning mine refuse banks, underground mine fires, mine drainage water pollution, surface subsidence and to restore much of the 200,000-plus acres of Pennsylvania countryside devastated by strip mining prior to 1963.

Governor Raymond P. Shafer's own genuine concern over these costly and dangerous mine scars was emphasized late in February when he accompanied Dr. Charmbury and others on a day-long tour of the Anthracite Region to view them firsthand. (See Photo Section.)

Following passage of the Bond Issue, a 13-member bipartisan joint legislative advisory committee was appointed to assist the Department with the planning and decision-making on projects to be undertaken with Bond Issue funds. Members of this committee were appointed by Rep. Kenneth B. Lee, Speaker of the House, and Robert D. Fleming, President Pro-Tempore of the Senate, on the basis of their genuine concern in conservation, and conservation programs affecting the Commonwealth.

We currently have good mining-conservation laws that prohibit active operations from scarring our lands and waters, but in the past year alone, more Pennsylvanians than ever before came to realize the critical necessity for action on those problems created through coal mining before these new laws went into effect in 1963.

A technical hallmark was reached by the Department midway in the year when work was completed on the charting of hundreds upon hundreds of sources of mine drainage pollution, both from abandoned as well as active mines in the anthracite and bituminous regions.

In addition, the Department also charted and mapped the locations of 200 burning refuse banks in the coal regions, as well as the locations of several hundred more non-burning banks. These two important charts on possible pollution sources and burning banks have already proven invaluable in the background work behind "Scarlift" itself.

Also, the charting of abandoned strip mine pits in anthracite area,

and there are several hundred of them, has given the Department a real factual base from which to vitalize its reclamation work in this region of the State.

There is a new look to Pennsylvania's coal mining industry, and it's a bright one, too.

Continually advancing coal mine technology has brought about a great portion of this new look. As a result, Pennsylvania's deep coal mines are more productive than ever and the men who operate the modern underground mining machinery of today are better equipped and better protected to do their jobs. Even the immediate countryside around these new mines has a fresh, new look as opposed to the bleak panorama of yesteryear.

Early in 1967, the State's first mine-mouth electric generating plant went into operation in Indiana County, heralding a new "coal-by-wire" concept that will eventually make central Pennsylvania the electric generating capital of the Northeast. Two more plants in this complex are to be finished during 1968, while still more such mine mouth complexes are being planned in the same general area.

Pennsylvania bituminous coal industry, riding the crest of its biggest boom since the late Forties, marked its sixth straight production increase in 1967.

Operating under a reclamation and conservation act recognized as one of the "toughest in the Nation", Pennsylvania's open pit mining industry is restoring the mined-land to a useful purpose. In a cooperative spirit of understanding of the objectives desired by the Department in its administration of the strip mine law, the protection of the land and water resources of the Commonwealth, over ten thousand acres of minedland is restored annually, and, after restoration, is planted in trees, shrubs or grasses.

The coal industry's new hand-in-glove approach to conservation and production has created an entirely new concept and public imagery of Pennsylvania's coal mining scene. It is healthy. It is also a marvelous union that should benefit Pennsylvania's peoples most of all.

Coupled to our Department's work on curing the scars remaining from past mining, this new harmonious conservation-production attitude and approach to coal mining in our State portends an even more brilliant future for coal, and is actually recreating a most timely new employment market as well.

There are more challenging horizons available to young people through coal mining and marketing than was ever the case in the past history of this major fuel in Pennsylvania.

RESEARCH AND DEVELOPMENT

As far back as 1939, coal operators and economists with foresight saw on the horizon obstacles that would have to be overcome and realized that improvements would have to be made. Recognizing research as a means of improving and stabilizing the industry, they urged 12

legislative action. The General Assembly made a small grant to the Pennsylvania State University with the provision that every State research dollar be matched with one from the industry. This initial grant laid the foundation for growth in coal research.

In 1955 the General Assembly, acting on recommendations of the Panel of Technical Advisors of the Joint State Government Commission, created the Coal Research Board. In 1956 it passed Act 651, designating the Board to carry on research on the economics, the technology, and the marketing of anthracite and bituminous coal and their by-products for the purpose of developing new uses and increasing markets for such coal. The sum of \$500,000 was appropriated for use by the Board. The law requires that the Board be composed of nine members, namely: the Secretary of Mines and Mineral Industries, who is designated as Chairman; two anthracite operators; two bituminous coal operators; one representative of the labor collective bargaining agency of the anthracite coal industry; one representative of the steel industry, one representative of the electric utility industry, and one representative of the labor collective bargaining agency of the bituminous coal industry. All members except the Secretary of Mines and Mineral Industries are appointed by the Governor, each for a term of three years.

In 1963, the scope of the Coal Research Board was increased to include problems confronting the industry such as water and air pollution, mine fires, mine safety, and the development of coal mineral complexes.

Through July 1, 1968, a total of \$3,375,003 has been appropriated by the Legislature to the Coal Research Board.

Projects conducted in past years were selected by the Board from proposals submitted by qualified research agencies. Project proposals demonstrated a need for conducting basic or fundamental research concerning the various factors related to coal; but they presented few ideas for research in applied uses for coal. The result was that during its first years, the Board assigned the bulk of its available funds to projects concerned with basic or fundamental research.

ACTIVE PROJECTS FOR COAL RESEARCH BOARD

At the present time active basic and applied research projects are being carried out for the Coal Research Board by colleges, industrial corporations and coal industry institutions. The subject matter under study is in the fields of export market development, domestic market development, water pollution abatement, strip mine restoration, optimization of mine production, reduction of ash and sulfur content in coal, coal combustion characteristics, economics of the coal industry, use of coal refuse products, reduction of mine disaster causes, removal of coal float dust, and extinguishment of coal refuse bank fires.

There are now under way, several pilot plant projects through which technical information developed under previous laboratory projects can be applied and field tested. The first of these projects was a mobile acid mine drainage plant, designed and built in 1964, which has been used in studying mine drainage at fifteen field locations. This plant has sufficient flexibility that new laboratory developments can be tested in the field. As economic and technical data are derived from the operations of this pilot plant, many unknowns will be resolved.

The Board carried on several projects, begun during 1967 or being continued from previous years, which are related to coal market development. They are as follows: (1) The economic and technological study of domestic markets for Pennsylvania anthracite; (2) The economic importance of the coal industry to Pennsylvania; (3) An economic and technological study of European markets for Pennsylvania anthracite.

A project was initiated during 1967 to determine the feasibility of expanding the market for anthracite as a low sulfur, low volatile material fuel. In view of current air pollution abatement regulations the utilization of anthracite appears to have good prospects as a low sulfur fuel in certain urban markets.

A project entitled "Operation Anthracite Refuse" was proposed to the U. S. Department of the Interior and has received approval for joint sponsorship under the Solid Waste Disposal program. It is anticipated that technically sound and economically feasible products or uses may be found for the accumulated refuse piles in the northeastern part of the state.

Another project entitled "Operation Reddog", also co-sponsored by an agency of the U. S. Department of the Interior, has shown promise for a possible ceramic brick prepared from calcined pulverized anthracite refuse. Representatives of the Pennsylvania brick industry are actively following the progress of this work and anticipate small scale production tests during the summer of 1968.

Another well received activity sponsored by the Board, by which it is hoped to increase mine safety, was that of several five day "short courses" at the Pennsylvania State University on the study of Rock Mechanics as a basis for strata control. Mine inspectors and representatives of industry from both anthracite and bituminous coal fields attended these courses and learned of the latest technology. Greater "know-how" by these newly trained men should be reflected in improved roof control, improved safety and over-all better protection against cave-ins.

The projects being carried on by the Board to improve mine safety are: (1) an investigation of effective measures to combat mine disasters; and (2) an investigation of methods for control of float dust in coal mines.

Projects now being carried on for the purpose of reducing mining costs are in the fields of (1) strip mining and land restoration; (2) optimization of mine production systems for low cost mining.

Projects to treat refuse banks and refuse material are as follows: (1) the characteristics and preparation of anthracite breaker refuse and the suitability of derived products for industrial use.

In addition to the mine drainage pilot plant previously mentioned, twelve projects have been funded by the Coal Research Board in seeking solutions to the acid mine drainage problem.

MINE DRAINAGE RESEARCH PROJECTS

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Acid mine drainage research is being carried on through the following projects:

- (1) An investigation of the technical aspects in the control and disposal of mine water to minimize stream pollution by deep well disposal.
- (2) The control of mine stream pollution by removal of the impurities from drainage streams by coal interaction.
- (3) A bibliography on acid mine drainage, (supplements issued 1964, 1965, 1966 and 1967).
- (4) An investigation on the extraction of iron in acid mine drainage water by reaction with ozone.
- (5) The elimination of pollution in mine drainage by biological factors.
- (6) The design, fabrication, and operation of a mobile demonstration plant for the treatment of acid mine drainage.
- (7) A feasibility study of the application of a flash distillation process for treatment of acid mine drainage water.
- (8) Removal of acid from mine drainage by ion retardation.
- (9) The effect of acid mine drainage from strip mines on the ground reservoir under various hydrogeologic environments within the Mercer Quadrangle, Pennsylvania, and the mutation of water as it moves through the ground water reservoir.
- (10) Control of water quality in coal preparation plant effluent.
- (11) Pumping acid mine water from the West Branch of the Susquehanna River into an abandoned mine to improve alkalinity content.
- (12) Development of a mine drainage treatment test center at Hollywood-Tyler, Pennsylvania.

MINE DRAINAGE ABATEMENT PROJECTS

As a logical follow-up to the research program of the department, projects were initiated to put into practice the information and technology developed through the research program. These activities are typified by the departments' efforts on Toms Run, Scrubgrass Creek and Muddy Creek.

Toms Run watershed lies in Clarion County and is the prime water source for the Cooks Forest State Park. The department is involved in sealing well discharges. It is also restoring abandoned strip mines near the headwaters of the run as well as lime treating and revegetating a restored area. Work has been started and aimed at abating pollution from coal refuse containing service roads in the watershed through lime grouting and improved drainage. Co-operative work has also been undertaken on these projects with other state agencies.

A milestone in the department's "Scarlift" mine area restoration program was the successful mine water treatment plant located on Little Scrubgrass Creek in Venango County. This plant has been satisfactorily treating the water in Little Scrubgrass Creek since April 1967 and evidence indicates that aquatic life is being reestablished in the stream. Remedial work has been initiated on the strip mines upstream from the treatment facility.

An engineering survey to pinpoint sources of the pollution in the Muddy Creek watershed was initiated during 1967. Concurrently certain facets of work have been initiated to abate the pollution in this watershed as fast as problem areas were identified. Such projects include strip mine restoration, refuse pile disposal in nearby stripping pits, revegetation of reclaimed lands and mine sealing. Activities accomplished during 1967 should vastly improve the environment, both land and water, in Lake Arthur and Moraine State Park in the Muddy Creek watershed.

REPORTS AND FUTURE PLANS

Up to the present time, 66 technical reports have been prepared concerning many of the individual projects that have been conducted by the Coal Research Board. A great quantity of information not previously known has been recorded. These records have been distributed to the coal industry, agencies, libraries, and scientifically-minded individuals. It is believed that the availability and the use of this material have been of direct assistance in making possible some of the recent developments in the use of coal. Reports available are as follows:

SR-1	The Crushing of Anthracite	May 31, 1967
SR-2	Petrographic Composition and Sulfur Content of a Column of Pittsburgh Seam Coal	August 1, 1958
SR-3	The Thermal Decrepitation of Anthracite	September 15, 1958
SR-4	The Crushing of Anthracite with a Jaw Crusher	November 1, 1958
SR-5	Reactions of a Bituminous Coal with Sulfuric Acid	February 1, 1959
SR-6	Laboratory Studies on the Grindability of Anthracite and Other Coals	April 1, 1959
SR-7	Coal Characteristics and Their Relationship to Combustion Techniques	April 15, 1959
SR-8	The Crushing of Anthracite with an Impactor-Type Crusher	April 25, 1959
SR-9	The Ignitibility of Bituminous Coal (A resume of a Literature Survey)	May 4, 1959
SR-10	Effect of Gamma Radiation and Oxygen at Ambient Tempera- tures on the Subsequent Plas- ticity of Bituminous Coals	May 6, 1959

SR-11 Properties and Reactions Ex- May 11, 1959 hibited by Anthracite Lithotypes Under Thermal Stress

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- SR-12 Removal of Mineral Matter June 22, 1959 from Anthracite by Chlorination at High Temperatures
- SR-13 Removal Stability of a Coal Tar June 25, 1959 Pitch
- SR-14 The Effect of Nuclear Reactor July 31, 1959 Irradiation During Low Temperature Carbonization of Bituminous Coals
- SR-15 Effect of Anthracite and Gamma August 5, 1959 Radiation at Ambient Temperature on the Subsequent Plasticity of Bituminous Coals
- SR-16 The Isothermal Kinetics of Vol-August 25, 1959 atile Matter Release from Anthracite
- SR-17 The Combustion of Dust Clouds: November 30, 1959 A Survey of the Literature
- SR-18 The Ignitibility of Bituminous June 15, 1960 Coal
- SR-19 Changes in Coal Sulfur During August 1, 1960 Carbonization
- SR-20 The Radiation Chemistry of September 12, 1960 Coal in Various Atmospheres
- SR-21 Reaction of Bituminous Coal October 1, 1960 with Concentrated Sulfuric Acid
- SR-22 The Nature and Occurrence of December 30, 1960 Ash Forming Minerals in Anthracite
- SR-23 A Phenomenological Approach January 20, 1961 to the Batch Grinding of Coals
- SR-24 The Unsteady State Diffusion of January 21, 1961 Bases from Anthracite at High Temperatures
- SR-25 Some Advances in X-Ray Diffractometry and Their Application to the Study of Anthracites and Carbons
- SR-26 The Filtration of Coal Solutions March 17, 1961
- SR-27 A Preliminary Investigation May 1, 1961 into the Application of Coal Petrography in the Blending of Anthracite and Bituminous Coals for the Production of Metallurgical Coke

SR-28	Preparation and Properties of Activated Carbons Prepared from Nitric Acid Treatment of Bituminous Coal	August 15, 1961
SR-29	The Reactions of Selected Bitu- minous Coals with Concentrated Sulfuric Acid	August 31, 1961
SR-30	Investigations on the Operation of the Circular Concentrator for Cleaning Fine Coal	February 26, 1962
SR-31	Mineral Matter Removal from Anthracite by High Temperature Chlorination	March 26, 1962
SR-32	The Effect of Crusher Type on the Liberation of Sulfur in Bitu- minous Coal	April 29, 1962
SR-33	Investigation of the Circular Concentrator—Flotation Circle System for Cleaning Fine Coal	September 10, 1962
SR-34	Reactions of Coal with Atomic Species	September 24, 1962
SR-35	The Preparation Characteristics of the Bituminous Coal Reserves in Pennsylvania with Special Emphasis on Sulfur Reduction	October 31, 1962
SR-36	A Study of the Burning Velocity of Laminar Coal Dust Flames	November 5, 1962
SR-37	Molecular Sieve Material From Anthracite	November 16, 1962
SR-38	Studies of Anthracite Coals at High Pressures and Tempera- tures	April 29, 1963
SR-39	Coal Flotation of Low-Grade Pennsylvania Anthracite Silts	May 13, 1963
SR-40	Changes in the Physical Proper- ties of Anthracite Upon Heat Treatment	July 10, 1963
SR-41	Some Aspects of the Chemistry of Sulfur in Relation to Its Pres- ence in Coal	August 20, 1963
SR-42	The Unsteady State Diffusion of Gases from Coals	February 15, 1964
SR-43	The Effect of Concentration and Particle Size on the Burning Velocity of Laminar Coal Dust Flames	March 1, 1964
SR-44	The Electrokinetic Behavior of Anthracite Coals and Lithotypes	May 25, 1964

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- SR-45 An Investigation of the Cyclone May 30, 1964 for Fine Coal Cleaning
- SR-46 The Utilization of Coal Refuse September 1, 1964. for the Manufacture of Lightweight Aggregate

April 12, 1965

- SR-47 A Simulation Model on the Optimal Design of Belt Conveyor Systems
- SR-48 Beneficiation of Fly Ash
- SR-49 Application of Linear Program- July 10, 1965 ming Methods of Mine Planning and Scheduling
- SR-50 Petrographic Composition and August 2, 1965 Sulfur Content of Selected Pennsylvania Bituminous Coal Seams
- SR-51 Preliminary Investigations of August 20, 1965 Fog Disposal Methods Applicable to Greater Pittsburgh Airport
- SR-52 Subsurface Disposal of Acid August 10, 1965 Mine Water by Injection Wells
- SR-53 Roof Bolt Load and Differential September 3, 1965 Sag Measurements
- SR-54 A Study of the Reactions Between Coal and Coal Mine Drainage
- SR-55 Methods Employed for Underground Stowing (A Resume of a Literature Survey)
- SR-56 Computer Simulation of Mate- June 6, 1966 rials Handling in Open Pit Mining
- SR-57 The Evaluation of Anthracite July 30, 1966 Refuse as a Highway Construction Material
- SR-58 An Investigation of the Cleaning August 15, 1966 of Bituminous Coal Refuse Fines by an Experimental Hydrocyclone
- SR-59 Chlorination and Activation of October 24, 1966 Pennsylvania Anthracites
- SR-60 Development and Testing of an February 1, 1967 Injection Well for the Subsurface Disposal of Acid Mine Water
- SR-61 Investigations of the Cyclone December 12, 1966 Washing of Fine Coal in Water

- SR-62 Linear Programming Short May 1, 1967 Course
- SR-63 Planning Belt Conveyor Net- May 15, 1967 works Using Computer Simulation
- SR-64 The Economic Importance of the August 1, 1967 Coal Industry to Pennsylvania
- SR-65 An Evaluation of Factors Influencing Acid Mine Drainage Production from Various Strata of the Allegheny Group and the Ground Water Interactions in Selected Areas of Western Pennsylvania
 SR 66 Potential Injection Well Strate October 25, 106
- SR-66 Potential Injection Well Strata October 25, 1967 for Acid Mine Water Disposal in Pennsylvania

In order to plan for future research, the Board has solicited suggestions for research areas and specific problems from the coal industry and labor, and it has compiled a list of areas in which Board members think that research may prove useful. Compilation of problem areas was prepared, then distributed to research agencies of known ability, with facilities for undertaking coal research. Proposals were solicited for projects aimed at correcting or gaining information on the problem or problems presented. The Board continuously evaluates these proposals in the light of the long and short-term needs of the coal industry, and grants contracts as funds permit.

The Pennsylvania coal industry today is faced with the task of doing in a short time research that ought to have been undertaken many years ago. It is reasonable to believe that if an adequate research effort had been made in the past many of today's problems would not exist. A coal research program, broad in scope and extending into the future, should contribute greatly toward opening the doors to vast and valuable mineral reserves remaining in Pennsylvania.

MINE REFUSE BANK FIRES

Under a program first authorized by Act 3A of the General Assembly, approved March 3, 1964, supplemented by later acts, the Department was authorized to use money specifically for the purpose of extinguishing, curtailing, and preventing the spread of mine refuse bank fires. The Department made arrangements with the Federal Department of Health, Education and Welfare to undertake nine experimental projects with that Department.

Nine (9) research projects have been authorized to demonstrate the feasibility and costs of refuse bank extinguishment. These projects are as follows:

Huber Refuse Bank, removal of material by draglines followed by water quenching and layering and compaction; Carrolltown Refuse Bank, rigid foam sealing and injections with an inert gas; Heshbon Refuse Bank, grouting and covering of a bank with vermiculite, limestone dust and chemicals; Heshbon Refuse Bank, grouting and covering a refuse bank with mine drainage sludge (Yellowboy); Gipsy Refuse Bank, an application of chemical mixtures and detergents with water for bank extinguishment; White Station Refuse Bank, cooling by water sprays followed by admixing of inert-non-combustible material with coal refuse followed by compaction; Tuscarora Refuse Bank, side sealing of the bank with clay followed by application of cement waste dust to the crown; Baker Refuse Bank, Scranton, fracturing fused refuse material with explosives followed by saturation with water; and Marvine Refuse Bank, hydraulic quenching and removal using high pressure water nozzles followed by layering and compaction.

All of the above projects will result in the development of improved extinguishment techniques and will produce engineering and fiscal data indicating the "least cost" extinguishment methods.

ABANDONED COAL MINE SERVICES

The abandoned coal mine services are basically for the purpose of correcting conditions caused by early mining operations that are detrimental to public welfare. During 1965 the authority to carry out these services was enlarged and it now reads as follows: "To seal or close or backfill abandoned deep or strip coal mines, to fill voids in abandoned coal mines, to drill bore holes, dig ditches or construct flumes which would relieve flooding or hazardous conditions caused by mine water, and to extinguish fires in abandoned coal mines and in culm banks, in those instances where such work is in the interest of the public welfare."

During the last calendar year, the Department conducted 61 projects under this program, using State funds only. Of these projects, 43 were conducted in twelve counties in the bituminous coal area of the Commonwealth, and 18 projects in five counties in the anthracite area.

During 1967, special emphasis was again placed on sealing abandoned deep mine openings and extinguishment of fires in abandoned coal mines insofar as the services provided under this program was concerned.

ANTHRACITE DIVISION

Following is record of productive effort compiled by the Anthracite Division, with headquarters at Pottsville, during the year of 1967.

There were one thousand four hundred and eighty five separate "Deep Mine" inspections. During which seventy three (73) mines or sections of mines were stopped for safety reasons. Nine hundred and seventy four (974) separate inspections were made of strip mine operations, during which time five (5) were stopped for safety and other reasons. Our inspectors made six hundred and thirty seven (637) inspections of coal preparation plants and three hundred and twelve (312) culm bank recovery inspections, during which numerous corrective actions were instituted. Two new electrical inspectors were added to the force during the year, who, together with one inspector previously employed, made a total of three hundred and three (303) com-

plete inspections of strip and deep mine operations, issuing many corrective orders during the course of these inspections. Follow up inspections were made to insure complete compliance of these orders.

As a result of the above, we had a total of three thousand seven hundred and eleven complete inspections during the year, made by twenty-three (23) inspectors, making an average of one hundred and sixty two (162) complete inspections per inspector in the twelve month period.

An extensive study of water outfalls and stream pollution was made by the inspectors in addition to the above mentioned accomplishments. A survey of all abandoned strip mine pits in the entire Anthracite Region was undertaken and completed during this period. A study of mine subsidence, mine fire control, bank fire control and strip mine restoration, covering a four year plan was completed at the request of Governor Shafer.

In the field of "Employee Safety" our men trained five hundred and forty (540) men in ninety three (93) mines in the detection of explosive gases and the care of flame safety lamps. We conducted fifty six (56) classes in rudimentary "First Aid" in which eight hundred and twenty four (824) men received the required training. During the same period three (3) classes were conducted in which twenty four men received the full scale "Mine Rescue" course. One hundred and forty employees attended the defensive driver training course and were certified at the completion of same.

Our "Safety Record" for the year shows a total of eight (8) Fatal Accidents, as compared to five (5) Fatal Accidents for the previous year.

In addition, our inspection force processed eighty nine (89) strip mine completion reports, one hundred and eight (108) mine drainage permits, served on eight (8) commissions, nine (9) other investigations, one hundred and ninety seven (197) complaints from the general public.

Other achievements include discovering of eighteen (18) separate culm bank and refuse fires by the inspection force and the extinguishment of same under their leadership, without any undue incident and at no cost to the Commonwealth. Seventeen (17) chapters and one (1) council of the Holmes Safety Council have been organized in the area with the aid of Department Personnel. Making a total of fifty nine (59) chapters and two (2) councils who hold monthly meetings and discuss all phases of safety.

Regulation of strip mine blasting by our personnel have monitored four thousand four hundred and six (4,406) blasts having a total of twenty thousand and thirty three (20,033) blast holes. This is a continuing function in which we actively regulate blasting in Carbondale, Eddy Creek, Plains Township, Wilkes-Barre, Lansford, Nesquehoning, Saint Clair and Wadesville. 22

Our engineers have serviced two hundred and seven (207) mine subsidence insurance applications and five (5) applications to mine within a "Safety Zone".

One hundred and eleven (111) individual dust studies were made by our dust men in the same period.

A total of eleven hundred and sixty (1,160) inspections of waste disposal areas were conducted by our inspectors.

In the field of restoration, state-owned equipment has replaced seven hundred eighty five thousand six hundred (785,600) cubic yards of earth into long abandoned strip mines on public land, restoring sixty (60) acres to use. Outstanding examples are the state game lands at Gold Mine in Lebanon County, which has an additional value in restoring the quality of water to the Lebanon Watershed and the Mahanoy City Project on lands owned by the school district.

Additional work in the field of strip mine restoration using stateowned equipment was the backfilling of a strip mine pit in the Olyphant Area of Lackawanna County where in the Bond Posted by the coal company was declared forfeited by the Department of Mines and Mineral Industries. This involved the handling of three hundred seventy two thousand, eight hundred (372,800) Cubic Yards of fill material and restored ten (10) acres to use.

Our forestry effort included the planting of seven hundred ninety seven thousand, seven hundred and twelve (797,712) seedlings on restored strip mine land.

We used state-owned equipment to totally eliminate a refuse bank fire at Heidelberg in Pittston Township, Luzerne County, which could have developed into a major problem, if allowed to continue.

ANTHRACITE STRIP MINE RESTORATION

The following statistical information relates to performances of administration and enforcement under the Anthracite Strip Mining and Conservation Act of 1963:

		Accumulative
	1967	1964-1967, Incl.
Strip Mine Operators Licenses Issued	58	322
Strip Mine Permits Issued	226	1,106
Acres of Land Permitted	1,069.91	5,394,09
New Bond Filed by Operators	\$435,135.00	\$2,869,492.00
Completion Reports Filed	81	307
Acres of Land Affected	539.59	1,661.40
Acres of Land Restored	572.84	*1,601.72
Planting Fees Paid by Operators	\$18,154.00	\$75,143.00
Bond Released to Operators	\$433,137.00	\$1,302,477.00

* The balance, or 50.68 acres, are being restored by deposition of breaker wastes and by domestic and commercial solid wastes under the Sanitary Land Fill Method.

PROJECTS-1967

GIRARDVILLE DRAINAGE DITCH, PROJECT NO. AS-36

This project was initiated to release flooding situations at the East end of Girardville Borough and adjoining Butler Township. The project was completed by Brook Contracting Company at a cost of \$71,704.80 and final inspection was held on April 27, 1967.

GLEN BURN CUT-OFF TRENCH, PROJECT NO. AS-42 (See Photo Section)

A cut-off trench was excavated through a refuse bank for the purpose of preventing the fire from spreading to an adjoining major non-burning refuse bank. The project was completed by K. & H., Inc. at a cost of \$31,872.00 and final inspection was held on July 17, 1967. The completed work was in Coal Township, Northumberland County.

SWATARA WATERSHED, PROJECT NO. MD-1, Phase B

This project consisted of reconditioning and grading existing Gebhard Run for the purpose of conveying surface water past mine openings. The project was started June 20, 1967 by George Racho, Contractor and completed August 14, 1967 at a cost of \$6,604.20. The completed work was in Reilly Township, Schuylkill County.

SWATARA WATERSHED, PROJECT NO. MD-1, Phase C

All engineering work, maps, bid documents for the installation of 72" flume, construction of earth ditches, reconditioning existing stream beds on Coal Run, were forwarded to Harrisburg for approval on June 1, 1967. At present we are awaiting a revised release after the County Commissioners acquire title to property, involved in the project. The engineering estimate to complete project is \$38,000.00. The project is located in Frailey Township, Schuylkill County.

SWATARA WATERSHED, PROJECT NO. MD-1, Phase D

All engineering work is completed for the installation of 72" flume, construction of earth ditches, reconditioning existing stream beds to conduct the flow of Bailey Run and Gebhard Run past existing strip mine pits and mine openings. All work necessary to submit to this project is held up pending receipt of releases. The project is located in Frailey and Reilly Townships, Schuylkill County.

PARDEESVILLE MINE & BANK FIRE, PROJECT NO. A-16

The project was initiated to control a mine and bank fire that required the construction of a flume, earth embankments and ponding areas for the control of water necessary to flood surface areas of a mine and bank fire. A Contract for \$114,585.00 was awarded Drew Development Co. for the required work. The project was started August 21, 1966 and is located East of the Village of Pardeesville, Hazle Township, Luzerne County.

MAHANOY CITY SUBSIDENCE, PROJECT NO. 14

A project to fill accessible mine voids in the Buck Mountain Vein and blind flushing in the Skidmore Vein with suitable material for the purpose of supporting coal pillars and overlying rock strata to mini $\mathbf{24}$

mize further subsidence in a portion of the built up section of Mahanoy City. A Contract for \$14,340.00 was awarded to Felix DiCasimirro and Norman Schock to perform the required work which is located in Mahanoy City Borough and adjoining Mahanoy Township, Schuylkill County.

GLEN BURN CUT-OFF TRENCH, PROJECT NO. A-17

Surveys, maps and contract documents were completed as of December 29, 1967. The purpose of the project is to prevent fire in a burning bank from igniting a large non-burning bank by extending a cut-off trench that was excavated by the coal company in 1953. Bids for the project will be opened Thursday, March 21, 1968 and the engineering estimate is \$89,960.00. The project is located in Coal Township and the refuse bank is in close proximity to the business and residential areas of the City of Shamokin, Northumberland County.

BUTTONWOOD DRAINAGE DITCH, PROJECT NO. MD-12

The purpose of the project is to control the outfall from several mines and prevent uncontrolled pollution of the Susquehanna River. To accomplish the purpose of this project, a drainage ditch will be excavated and the construction of facilities to regulate the flow from the outfall. A Contract for \$174,970.00 was awarded to Rodger E. Gerhart, Inc., who was the lowest responsible bidder. The project is located in Hanover Township, Luzerne County.

MINE WATER CONTROL PROJECT NO. 40

This project was initiated by a coal company for the purpose of preventing surface water from entering the mines and to enable the coal company to expand deep mining in this area. To accomplish this purpose it is proposed to backfill strip mine pits to prevent surface drainage from entering the mines. All maps, cross sections contract, documents and agreements have been prepared and we are now waiting for the posting of the required bonds. The project is located on the Southern slope of Bear Mountain in Hegins Township, Schuylkill County. The estimated cost is approximately \$100,000.00.

MINE WATER CONTROL PROJECT NO. 45

This project is the loan of a vertical deep well pump to the Reading Anthracite Company for installation on Wadesville Shaft.

All legal forms, insurance and other papers required for the loan of a deep well pump and accessories were prepared and the necessary arrangements with the Federal Authorities were made. Work was started November 16, 1967 and continued until the end of December, 1967 when work was temporarily stopped due to electrical equipment. The project is located in New Castle Township, Schuylkill County.

MOSS GLEN WATERSHED

The purpose of this project is to restore the water table in the Silver Creek-Moss Glen Watershed by sealing strip mine pits and eliminating acid mine drainage from this area. Field surveys have been completed and the preparation of maps and cross sections is approximately 90% complete. The project is located in Blythe Township, Schuylkill County and the project will be conducted under the State-Federal Mine Drainage Program.

APPALACHIAN SUBSIDENCE PROJECT NO. 3

The purpose of the project is to seal and fill mine voids by blind flushing any backfilling surface openings, to lend support and stability to an area underlying 3rd and Lehigh Streets in Coaldale, Schuylkill County. To accomplish this purpose a drilling program was prepared for flushing the required areas. Maps, plans and required documents were prepared and a Contract for \$249,838.00 was awarded to Gene Fierro T/A Gene Fierro Contracting Co. who started work on October 23, 1967.

HAZLETON MINE FIRE CONTROL PROJECT

The purpose of this project is to extinguish or control a mine fire within the boundaries of the City of Hazleton, Luzerne County. It is proposed to excavate the entire fire area and haul and spread in a nearby area. Plans, cross sections, location maps were forwarded to Harrisburg for submission to the Appalachian Regional Commission under date of March 28, 1967. The engineering estimates for completed excavation is \$308,500.00.

MT. CARMEL MINE FIRE CONTROL PROJECT

This project requires the cut-off trench to confine an existing mine fire from traveling under the built-up section of Mt. Carmel Borough, Northumberland County. The cut-off trench will require the excavation of approximately 8,000,000 Cubic Yards of overburden at an estimated cost of \$5,830,000.00 which includes the recovery of coal from the vein. The project was forwarded to Harrisburg for submission to the Appalachian Regional Commission under date of April 7, 1967. At present the project requires a sponsor and action is presently delayed due to a contested election.

DELANO SURFACE RESTORATION

For the reclamation and rehabilitation of an existing strip mine area by backfilling existing strip mine pits with adjacent spoil banks. The project was submitted to the Apalachian Regional Commission by the Harrisburg Office under date of July 27, 1967. It is estimated that \$111,000.00 will be required to complete the project which is located in Delano Township, Schuylkill County.

PUBLIC HEALTH & SAFETY PROJECT NO. 10—Filling of Mine Shafts & Slopes

This project which consists of backfilling hazardous slopes and shafts near roads and communities. Prepared plans and specifications for several locations and forwarded the required releases to five responsible parties. To December 31, 1967, only one (1) release was returned and we are presently awaiting another release from the Game Commission.

MINE WATER CONTROL PROJECT NO. 42

This project required the conversion of electrical equipment from 25 to 60 cycle operation. The original equipment was installed on Greenwood Shaft No. 10 under Mine Drainage Project No. 5. All the

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required documents, codicils and related material were prepared for submission by Harrisburg to the Federal Bureau of Mines. The project was completed and the equipment placed in operation May 24, 1967.

Greenwood No. 10 Shaft is located in the Borough of Coaldale, Schuylkill County. The exchange of State-Federal equipment was installed at no expense to the State.

MINE WATER CONTROL PROJECT NO. 43

This project required the conversion of electrical equipment from 25 cycle to 60 cycle operation. The original equipment was installed under Mine Drainage Project No. 7 on Tamaqua No. 14 Shaft located in Rahn Township, East of Tamaqua Borough in Schuylkill County.

All required documents, agreements, insurance, resolutions, codicil and other related material prepared for submission to Dr. Hibbard, Jr. were forwarded to Harrisburg under date of February 4, 1966. The exchange of State-Federal equipment was installed by the coal company at no expense to the State. All the replaced equipment was returned and placed in storage at the Franklin Warehouse by December 20, 1967.

ACCESS BOREHOLES, PROJECT NO. A-1 (NR-59)

A project in the amount of \$16,246.70, to drill access boreholes and drive openings through the Barrier Pillar for exploration of the abandoned Dixon-Manville Mine Workings was started on September 29, 1966 and exploration of underground workings, prohibitive because of mine gases, was not undertaken as of December 31, 1967. The project is located in the City of Scranton, Lackawanna County.

MARVINE BREAKER REFUSE BANK FIRE, PROJECT NO. A-7 (NR-87)

A project to prevent, control and eliminate air pollution from an abandoned burning refuse bank was started on November 4, 1966 consisting of the drilling of a large diameter borehole, surface grading and the construction of ponding areas and was completed in January, 1967 at a cost of \$34,450.00. The project is located in the City of Scranton, Lackawanna County.

EXAMINATION OF HOMES-EYNON STEET & CEDAR AVENUE, PROJECT NO. AD5 (NRD36)

A project to examine homes for the presence of noxious gases started on December 19, 1962 and continued into December, 1967 at a cost of \$63,828.37. The project is located in the City of Scranton, Lackawanna County.

EXAMINATION OF HOMES, PROJECT NO. AD6 (NRD44)

A project for the examination of homes to determine the presence of noxious gases, started on December 6, 1963, was continuous to December 31, 1967, for a total expenditure of \$73,674.38. The project is located in Laurel Run Borough, Luzerne County.

MINE WATER CONTROL PROJECT NO. 37 PART 2

A project to install a deep well pump for mine water control, started on October 12, 1966, was completed and accepted in May, 1967, at a total cost of \$140,800.00. The project is located in Newport Township, Luzerne County.

APPALACHIA MINE FIRE CONTROL PROJECT NO. 8 PHASE I

A contract to locate the perimeter of mine fire in the City of Scranton, Cedar Avenue Area, undertaken in November, 1966, was completed March 13, 1967, at a cost of \$122,839.68. The project is located adjacent to Cedar Avenue, in the City of Scranton, Lackawanna County.

PHASE II

A contract to excavate a cut-off trench was awarded No. 1 Contracting Company and work started April 3, 1967 and was completed on October 27, 1967 at a cost of \$844,300.00. The project is located adjacent to Cedar Avenue, in the City of Scranton, Lackawanna County.

APPALACHIAN SUBSIDENCE PROJECT NO. 1, PINE BROOK SECTION

A project in the amount of \$816,390.00 to fill mine voids, under the Appalachian Regional Development Program undertaken on August 15, 1966, continued until December 31, 1967 with 2% of the work remaining to be completed. The project is located in the City of Scranton, Lackawanna County.

APPALACHIAN SUBSIDENCE PROJECT NO. 2, S.F.B. MORSE SCHOOL AREA

A project in the amount of \$1,139,434.00 to fill mine voids under the Appalachian Regional Development Program, was undertaken on October 6, 1966 and continued to December 31, 1967 with 29% of the work remaining. The project is located in the City of Scranton, Lackawanna County.

PROJECT NO. A-6 (NR-86)

Filling mine voids in the Borough of Plymouth, Luzerne County was started on January 30, 1967 and completed March 31, 1967 at a cost of \$27,278.00.

APPALACHIAN MINE FIRE CONTROL NO. 1

PHASE 1

A project administered by the Federal Government for the drilling of exploratory boreholes to determine the extent of the mine fire was started in April, 1966 and completed in February, 1967 at a cost of \$248,001.68.

PHASE 2, PART 1

A project administered by the Federal Government to seal mine tunnels by flushing was awarded to Glen Nan Coal Company on April 6, 1967 and work started in May, 1967, was completed in the month of December, 1967 at a cost of \$91,407.30. The project is located in Laurel Run Borough, Luzerne County.

HUBER BANK FIRE (See Photo Section)

Work was started in June, 1967 and completed in September, 1967 in the amount of \$329,520.80 for the extinguishment of a portion of the burning bank located in Ashley Borough, Luzerne County.

PROJECT NO. A-9 (NR90A)

A project for the drilling of boreholes was initiated in June, 1967 for the purpose of determining feasibility of flushing and was completed in July, 1967 at a cost of \$3,833.00. The project is located in the Parsons Section of the City of Wilkes-Barre, Luzerne County.

PROJECT NO. A-11 (NR91)

A project to determine the feasibility of flushing mine voids by the drilling of test boreholes to examine underground conditions in the Borough of Plymouth, Luzerne County, was started in June, 1967 and completed on August 4, 1967 at a cost of \$6,764.39.

BAKER BANK FIRE (See Photo Section)

PHASE I

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A project to drill horizontal boreholes and charge with explosives. blast, douse with water and level off the quenched material was started in August, 1967, completed in November, 1967 at a cost of \$50,000.00.

PHASE II

An identical project, started in November, 1967 was 95% complete on December 31, 1967 in the amount of \$50,000.00. The project is located in the City of Scranton, Lackawanna County.

MARVINE BANK FIRE PHASE I

A project to install a deep well pump and water line to provide water for the extinguishment of the burning bank was started during the month of July, 1967, and was 85% complete as of December 31, 1967. This project included the removal of the quenched material from the fire area. The total cost of the project is \$192,500.00. The project is located in the City of Scranton, Lackawanna County,

APPALACHIAN SUBSIDENCE PROJECT NO. 7-Heights West

All engineering work completed including underground exploration, mapping, estimates, specifications and bid documents for the filling of mine voids and submitted to Harrisburg for approval. The project is located in the City of Wilkes-Barre, Luzerne County,

APPALACHIAN SUBSIDENCE PROJECT NO. 6-Spring Street

All engineering work completed including underground exploration, mapping, estimates, specifications and bid documents for the filling of mine voids and submitted to Harrisburg for approval. The project is located in the City of Wilkes-Barre, Luzerne County.

APPALACHIAN SUBSIDENCE PROJECT NO. 4-Central City West

All engineering work completed including underground exploration, mapping, estimates for a project approved by the Appalachian Commission for the filling of mine voids, located in the City of Scranton, Lackawanna County.

TAYLOR BANK FIRE

An experimental project for the prevention, control and extinguishment of the Taylor Bank Fire is under consideration by Dorr-Oliver, Inc. The proposed project is located in the Borough of Taylor, Lackawanna County.

MARY-D BANK FIRE PHASE I

An experimental project to extinguish the burning bank at Mary-D with the use of cement dust was conducted by the Department in cooperation with the U.S. Department of Health, Education and Welfare. The project was started in January, 1967 and completed in September, 1967 at a total cost of \$97,793.73.

PHASE 2

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An experiment project to cover a portion of the Mary-D Bank with limestone dust is now under consideration. The project is located in the Village of Tuscarora, Schuylkill County.

FAILS BANK FIRE (Rosini)

An experimental project to extinguish the Fails Bank Fire by treating with waste lime-limestone scurry has been proposed to the U.S. Department of Health, Education and Welfare. The proposed project is located in Coal Township, Northumberland County.

The Department has secured releases necessary to perform the work.

MINE FIRE CONTROL PROJECT NO. 34—Throop Borough

A project for the extinguishment of a mine fire in the vicinity of Keystone Industrial Park has been approved by the Appalachian Commission based upon preliminary planning furnished by the Department of Mines. The proposed project is located in Lackawanna County.

MINE FIRE CONTROL PROJECT NO. 25-Kehley Run

A project for the extinguishment of a mine fire in Shenandoah Borough and Mahanoy Township, Schuylkill County and approved by the Appalachian Commission is in the hands of the U.S. Bureau of Mines awaiting further action.

MINE FIRE CONTROL PROJECT NO. 34-Carbondale

A project providing for a cut-off trench to isolate the mine fire in the Borough of Carbondale, Lackawanna County, in the hands of U.S. Bureau of Mines awaiting further action.

MINE FIRE CONTROL PROJECT-Swoyersville

A project to be administered by the Federal Government for the control and extinguishment of a mine fire located in the Borough of Swoyersville, Luzerne County, is in the hands of the U.S. Bureau of Mines awaiting further action.

OIL AND GAS DIVISION

Because the function of the Oil and Gas Division of the Department is limited by law to the implementation of regulatory practices, accomplishments then must be defined as activities. The statistical report which follows is an exact report for the year 1967.

The number of drilling permits issued in coal areas was 349; in

noncoal areas, 1, total, 350. Drilling permits issued in coal areas pertinent to the Oil and Gas Conservation Act, 24: In non-coal areas pertaining to the Oil and Gas Conservation Act, 1: Total 25. Drilling permits are not required for shallow wells in non-coal areas. However, file numbers are issued which are essentially the same as permits. 660 file numbers were issued for this type well during 1967. Therefore, the total anticipated drilling activity for the year was 1010. This does not mean that 1010 wells were drilled during the year; however, we did receive 943 completions reports indicating that this number of wells had completed drilling. Wells reported plugged and abandoned, 566. This does not represent the total number of well plugged since plugging reports are not required for shallow wells drilled in non-coal areas. Pillar permits issued, 172.

Total well activity, including drilling, plugging, and abandonments, and pillar permits were greater this year than any year since the organization of this Division. During 1967, activities were reported in 28 counties. There has been activity in 45 of Pennsylvania's 67 counties since the effective date of the Act, February 1, 1956. As to underground gas storage wells, Pennsylvania continues to lead the Nation in underground gas storage capacity which is 660 billion cubic feet. Of the 73 storage reservoirs within 10,000 linear feet of operating coal mines, 63 are active, 6 abandoned, 3 are being depleted and one (1) is in the planning stage. Of the 63 active storage reservoirs, 16 reservoirs are storing gas under or within 10,000 linear feet of operating coal mines. This means that these 16 reservoirs are under complete jurisdiction of the Division. Gas is being stored in 113 individual pools. By way of explaining this figure, some of the storage reservoirs are storing gas in more than one geological horizon.

Inspector activities were as follows:

- 1. During 1967 the number of inspections made was 4480. These included investigations of drilling, casing, and plugging operations as well as periodical inspections of storage areas.
- 2. The Inspectors held 1479 consultations during the year. These consultations were between the Department's Inspectors and management representatives of the oil and/or gas companies.
- 3. There were 428 special investigations including plugging operations for the following: Kinzua Dam, Moraine State Park, and various State Highway construction projects. These investigations were concerned not merely with inspection trips, but rather with preparation of plugging and/or casing specifications to an alternate method as permitted by the Act.
- 4. There were 32 individual complaints pertaining primarily to alleged water contamination. Most of these complaints were amicably settled even though in most instances the Department had no jurisdiction. Also investigated and reported in this category were all accidents of which officials of the Department had knowledge. Recommendations were made orally to the affected operators; and it is believed that, even without legislation, some progress relevant to safer operations was made.

- 5. There were 10 conferences held during the year, 8 of which were held by District Inspectors, in an attempt to settle disputes without aggravation. Two hearings were held as a result of these conferences. One of these hearings resulted in a prosecution since the well operator did not comply with the Order of the Division. Our policy during the year on distinguishing between formal and informal conferences has been changed. Conferences held by the District Inspectors are now considered formal conferences enabling this office to go directly to a Hearing if a mutual agreement is not made at the conference level.
- 6. Our Petroleum Engineer has been making investigations and plans throughout the year to locate and correlate pre-act wells which are or may be contaminating streams. This is being done in anticipation of legislation that will enable correcting this source of pollution.

The Department is continuing to furnish the Geological Survey with all well information. Since the passage of the Oil and Gas Conservation Act in 1961, the Geological Survey has not received information directly from the operators, except that which may be forwarded willingly. The Geological Survey, in the compilation of its statistical reports, is dependent upon the Department for statistical information.

Two Spacing Order Hearings were held during the year, both of which had to do with the Rager Mountain Pool in Cambria County. The members of the Commission believe that the Act has served its intended purpose, in that the drilling of wells coming within the purview of the Act, has been carried on in more orderly fashion and a wider acreage arrangement.

APPALACHIA PROGRAM

The mining area restoration sector of the Appalachia Program derives from Section 205 of the Appalachian Regional Development Act of 1965, and Appalachian Regional Development Act Amendments of 1967.

In 1967, the Department prepared a total of 14 project requests and forwarded them to the State Secretary of Commerce, Pennsylvania's representative on the Appalachian Regional Commission, for presentation to that Commission. Along with the 36 project requests prepared and forwarded in 1965 and 1966, this brings the total of Pennsylvania's Appalachian Mining Area Restoration project requests to 50.

To the end of 1967, 38 of the projects have been approved by the Appalachian Commission. In 1967 contracts were awarded for 7 of the 38 approved projects bringing the total contracts awarded to 17. Five of the projects under contract were completed during the year 1967 bringing the total of completed projects to 7. Nine were in process of construction at the end of the year. Necessary preparation of specifications and contracts for other approved projects are going forward currently.

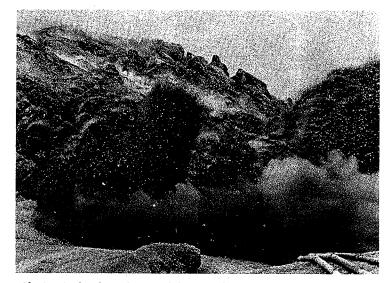
The Appalachian Regional Commission stresses data on economic and social justification of projects. The broad aspects of social and economic justification are prepared from information furnished by the 32

State Planning Board. Local aspects and descriptive information relating to individual projects are developed by the Department. In 1967 Pennsylvania continued its role of pioneer in the field of mining area restoration projects. A notable advance was the development in the Department of simplified forms for project contracts and specifications, which will be of benefit in future Appalachia projects administered by the Department. These simplified forms will reduce paper work and facilitate the activation of future projects.

At the close of 1967, the Department had 14 additional projects actively in preparation for transmittal to the Appalachian Commission, together with other projects under consideration.

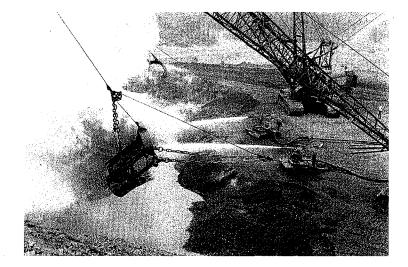
By far the largest number of requests from local governments for Appalachia aid on mining area restoration continued to be for underground mine fire projects. Thirty-eight such projects have been submitted to the Appalachian Regional Commission, along with 7 subsidence projects and 5 strip mine reclamation projects.

The Appalachian Regional Development Act Amendments of 1967 have increased the scope of the Act to include a wider range of problems related to devastation of past mining operations. The original Act of 1965 limited Federal Aid to underground mine fire projects, subsidence projects, and strip mine reclamation projects on publicly owned land. The Amendments of 1967 include provisions for abandoned oil and gas wells, and reclamation and rehabilitation of lands affected by processing of coal and other minerals including land affected by waste piles. The Amendments of 1967 also direct the Appalachian Commission to make a survey, study, and report of acid pollution resulting from mining activities and the effects of such pollution. The Amendments of 1967 taken with original Act of 1965 will make it possible to aid communities in mining areas of Pennsylvania having environmental handicaps for which no provision was made in the original Act. It will thus be possible to more fully cope with the environmental handicaps which have effectively barred many communities in the coal regions from helping themselves to attract new sources of employment.



Blasting, in the photo above, and then quenching the blown out portions, photo below, proved to be another technically and economically successful approach to extinguishing burning banks. In an experimental project on the Baker Burning Culm Bank begun in January the Department of Mines and Mineral Industries demonstrated the effectiveness of this successful approach in putting out close to 146,000 tons of burning material in a series of 3 successive shots set off during 1967. Dupont nitramon, which is insensitive to heat, was placed in the hot cores of these banks before blasting. The Department will continue to use this method in similar projects with private industry to eliminate these burning banks as air pollution hazards.





These high pressure hydraulic guns were employed for the first time in extinguishing a great portion of the Huber Burning Bank at Ashley, Pa. under a joint demonstration effort with the Federal Department of Health, Education and Welfare and initiated by the Department of Mines and Mineral Industries. Results of this extinguishment method proved the use of these guns economically and technically feasible in attacking burning banks. Under a similar demonstration grant they were employed on the Marvine Burning Bank in North Scranton by the same contractor, Ed Dixon of Mt. Carmel, Pa. Some 245,000 tons were extinguished at this bank.



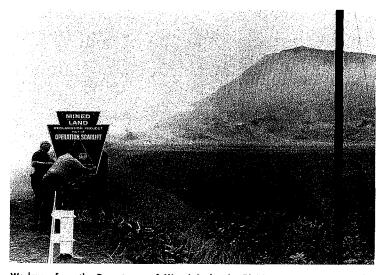
White arrow in photo above points to area immediately behind the Glen Burn Breaker, at Shamokin, Northumberland County, where a huge cutoff trench, 300' long and 40' deep, was carved into the side of the culm bank to stop movement of a fire. A similar trench will be carved into this bank early in 1968. Continued northwesterly movement of the fire in this bank would have threatened a major non-burning portion of the breaker refuse. The bank itself, one of the largest in either the anthracite or bituminous regions, contains nearly 17 million tons of combustible mine refuse.



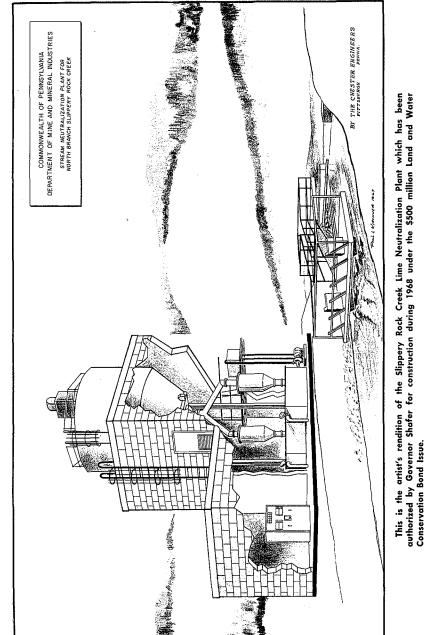
Typical of the work being done by the Department of Mines in restoring strip mined lands at Moraine State Park in Butler County is this restoration job performed by contractor Adrian Davis of Homer City, Pa. It involves the complete restoration of nearly 57.3 acres. Davis is restoring one other abandoned strip mining pit in the Park. The contract with the Department was part of this joint development effort with the Department of Forests and Waters.



Governor Raymond P. Shafer discusses the Hazleton Bank Fire with Dr. H. Beecher Charmbury, left, Secretary of the Department of Mines and Mineral Industries. Photo was taken on the Governor's Tour of the Anthracite Coal Region in February, 1967. Governor Shafer said, "Talking about these problems is one thing. But it's a different thing entirely when you stand on a burning bank, smell the noxious fumes, and see just how much space one actually takes up. Only then can you picture the problem in all its magnitude!"



Workmen from the Department of Mines' Anthracite Division put up an "Operation Scarlift" project identification board adjacent to busy Interstate 81 in North Scranton. Board identifies research-demonstration project that utilized high pressure, hydraulic guns in attempt to knock out as much of the Marvine burning bank (background) as possible under special grant from the Federal Department of Health, Education and Welfare. Method employed on this bank was one of two most successful employed by the Department in its air pollution control work on burning mine refuse banks.



the Slippery Rock Creek Lime Neutralization Plant which has been r construction during 1968 under the \$500 million Land and Water ğ t's rendition rernor Shafer **Bond Iss**

STATISTICAL REPORTS

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF MINES AND MINERAL INDUSTRIES ANTHRACITE DIVISION TOTAL PRODUCTION OF COAL, PRODUCTION FROM STRIPPINGS AND WASHERIES EMPLOYES, FATALITIES, ETC. 1870 - 1967

Year	Total production (net_tons)	Washery production (net_tons)*	Stripping production (net tons)*	Employes	Fatal- ities	Produc- tion per fatality	Fatal- ities per million tons	No of in pe to
	#			#	#	#	,#	4
1870	14,172,004			35,600	211	67,166	14.89	
1871	15,532,252			37,488	210	73,963	13.52	
1872	15,567,973			44,745	223	69,811	14.32	
1873	21,001,521			48,199	264	79,551	12.57	
1874	19,930,240			53,402	231	86,278	11.59	
1875	23,402,646			69,966	238	98,330	10.17	
1876	23,440,666			70,474	228	102,810	9.73	
1877	24,727,213			66,842	194	127,460	7.85	
1878	20,900,966			63,964	187	111,770	8.95	
1879	31,036,600			68,847	262	118,460	8.44	
1880	27,974,532			73,373	202	138,488	7.22	
1881	34,202,558			76,031	273	125,284	7.98	
1882	35,057,430	•		82,200	295	118,839	8.41	
1883	37,747,369			91,421	323 332	116,865	8.56 9.10	
1884	36,468,738			101,073	332	109,846	8,68	
1885	38,232,155			100,320	279	115,157		
1886	38,950,932			103,044	316	139,609	7.16 7.50	
1887	42,156,300			106,517	364	133,406	7.81	
1888	46,635,037			122,218		128,118		
1889	43,650,768			119,646	397 378	109,952	9.09 8.40	
1890	44,986,286			119,919	428	119,011		
1891	49,701,322			123,308	428	116,125	8.61 8.16	
1892	51,226,978			130,300	416	122,553	8.63	
1893	52,841,110	286 060		138,069	406	115,880	8.75	
1894 1895	50,966,920	386,960 386,534		139,939 143,705	440	114,276 135,270	7.39	
	56,948,756	527,809		150,088	502	107,257	9.32	
1896 1897	53,843,250 52,581,036			149,557	423	124,305	8.04	
1898		732,743 697,759		149,557	423	129,498	7.78	
1899	52,812,675	1,055,426		142,420	461	131,276	7.62	
1900	60,518,331 57,363,396	1,818,170		143,824	411	139,570	7.16	
1900				143,624	513	130,789	7.65	
1902	67,094,665 41,340,935	2,009,864 2,965,792		148,139	300	137,803	7.26	
1902	75,232,585	4,119,258		151,827	518	145,237	6.89	1
1904	73,594,369	3,440,420		161,330	595	123,688	8.08	ī
1905	78,647,020	3,897,688		168,254	644	122,123	8,19	î
1906	72,139,510	4,880,402		166,175	557	129,514	7.72	î
1907	86,056,412	5,630,169		168,774	708	121,549	8.23	2
1908	83,543,243	4,635,923		174,503	678	123,220	8.12	2
1909	80,223,833	5,206,562		171,195	567	141,488	7.07	2
1910	83,683,994	5,412,167		168,175	601	139,241	7.18	2
1911	90,917,176	4,555,457		173,338	699	130,067	7.69	2
1912	84,426,869	4,317,161		175,098	601	140,477	7.12	2
1913	91,626,964	2,934,157		175,310	624	146,838	6.81	2
1914	91,189,641	2,702,537		180,899	600	151,983	6.58	2
1915	89,377,706	3,418,427		177,339	588	152,003	6.58	2
1916	87,680,198	4,432,606		159,169	565	155,186	6.44	2
1917	100,445,299	6,408,277		156,148	581	172,883	5.78	2
1918	99,445,794	7,246,454		148,226	556	178,859	5.59	2
1919	87,838,024	3,616,675		153,780	636	138,110	7.24	2
1920	89,636,036	5,435,697		149,117	490	182,931	5.47	2
1921	90,358,642	1,842,096		161,926	546	165,492	6.04	2
1922	53,910,201	2,525,402		159,880	300	179,701	5.56	2
1923	92,653,641	4,212,001		158,764	515	179,910	5.56	2
1924	87,277,449	1,141,796		162,503	496	175,963	5.68	2
1925	61,334,145	894,187		163,825	401	152,953	6.54	1
1926	83,874,500	1,365,175		168,734	455	184,340	5.42	1
							6.20	

<u>Year</u> 1928	1929	1931	1933	1934	1935	1936	1030	1939	1940	1941	1942	1944	1945	1946	1948	1949	1951	1952		ŧ.	1956	1957	1958	1959	1960	7961 1961				1062	1967
Total production (net tons) 74,552,312 72,985,844	72,985,844 68,776,559	59,115,387	49,507,577 49,507,577	56 798 951	51,359,111	54,264,016	51,700,296	40,209,311 51.399.707	51,526,454	53,942,177	57,939,629	64-112-580	55,901,235	61,978,710	59.108.810	44,710,118	46,339,255	40,067,130	30,495,391	26,612,312	20,934,192	25,163,466	20,456,474	19,670,615	17,721,113	16.496.315	17.411.202	16,524,687	14,229,817	12,031,375	11,552,441
Washery production (net tons)* 1,614,863 878.599	878,599 878,599	1,468,572	2,062,853	1.516.393	1,876,700	1,411,988	1,882,026	2,031,432	2.599.280	3,689,538	4,045,970	105 202 01	9,454,205	9,214,678	7,076,796 6.735.688	4,823,144	4,027,249	4,710,495	3,892,083	3,055,528	3,618,121	4.356.958	2,711,152	2,981,696	3,006,803	2,418,433	2,829,421	3,013,307	2,611,189	2,662,558	3,335,557
Stripping production (nettons)*		ж	3,545,948	4,461.804	4,962,514	3,757,678	5,014,052	5,080,344	6-010-364	7,855,945	9,657,307	968*889*B	10,521,174	12,912,992	12,691,382	11,081,087	12,291,325	11.019.185	8,883,984	7,852,186	7,826,029	7.831.511	7 001 422	7,272,661	7,138,743	7,279,371	0,942,675	7.248.900	5,996,536	5,317,432	4,910,209
Employes 160,721	153,422	138,400	119,480	102,469	100,539	99,704	99,117	866,96	205,56	88.849	83,707	79,369	76,265	80,556	80,730	79,209	75,231	66-438	56,952	44,731	37,397	20,029	26.738	24,112	20,269	16,971	14,704	14,323	11,839	9,621	7,828
Fatal- ities 447	447 483	384	243	232	267	241	212	223	210	180	225	218	137	169	165	92 92	86	94 0	55	47	60	<u>ז</u> 4 ב	3 2	£ £	35	19	28	32			9
Produc- tion fatality 166,784	166,784 151,109	153,946	203,710	213,395	192.256	225,162	243,869	207,487	244,761	200 J112	257,509	277,577	374,927	366,738	352,897	485.980	538,829	450,927	516,871	566,219	432,247	102 01	470,886	427.622	506,318	868,769	634,474	580,373	1,778,727	2,406,275	1,283,605
Fatal- ities per million tons 6.00	6.62	6.50	4.91	4.69		4.44	4.10	4.82	4.99	3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3.88	3.60	2.67	2.73	2.83	2.22	1.86	2.22	1.93	1.76	2.31	1.92	- 50	2.34	1.98	1.15	1.58	1.72	0.56	0.41	0,78
No. Ins- tors			12		17	16	88	20	32	3 2	81	23	32	22	24	89	81	3 8	88	24	20	18	3 12	38	23	23	22	38	25	12	21

* Included in total production.
 # No accurate record previous to 1870.
 \$ No accurate record previous to 1892.
 \$ No accurate record previous to 1892.
 ** In 1955 and subsequent years the production, employes, fatalities, etc., of deep mines employing fewer than five (5) persons inside are included in this report.

THIRTY-NINE YEAR STUDY OF ANTHRACITE, BY COUNTIES

	VEAD	CARDON	00110074	DAUPHIN	LACKAWANNA	LUZERNE	NORT HUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
	YEAR	CARBON	COLUMBIA			34,711,150			214,773			
	1924	2,654,820	1,044,724	1,113,048	20,392,400		7,207,553	19,238,222		655,000	45,759	
	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	
	1931	1,886,084	865,424	756,274	12,768,631	23,766,625 19,327,982	5,728,763	12,925,765	75,542 70,794	184,773 97,514	157,506	
	1932	1,821,911	497,966	673,078	11,729,255		4,679,188	10,479,627				49,501,511
	1933	1,610,409	556,539	652,057	11,090,350	19,861,441	5,102,704	10,252,019	126,101	130,715		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	
	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	
	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	
	1937	2,076,398	1,251,044	484,403	9,117,509	22,487,109	4,604,212	11,461,545	99,879	15,339	102,858	
	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	
Total	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		51,399,707
pro-	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	
duc-	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		53,942,177
tion	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	
(net	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		60,511,730
tons)	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		64,112,589
	1945	3,345,258	1,121,228	292,662	8,083,021	21,073,255	5,001,063	16,731,289 h	187,007	66,452	*	55,901,235
	1946	3,166,205	1,457,754	141,800	9,058,331	22,770,658	6,342,793	18,811,399	105,862	123,908	*	61,978,710
	1947	2,933,809	1,507,884	28,731	8,538,164	21,990,960	6,779,549	16,259,688	46,785	142,415	-	58,227,985
	1948	2,801,893	1,679,495	10,254	8,610,881	21,591,846	6,937,340	17,275,544 i	63,230	138,327	-	59,108,810
	1949	2,126,682	1,380,732	61,389	6,221,743	15,989,846	5,200,490	13,538,194 j	23,585	167,457	-	44,710,118
	1950	1,988,317	1,281,807	52,275	6,526,466	17,112,757	5,211,307	14,066,493 k	26,690	73,143	~	46,339,255
	1951	1,894,035	985,177	30,133	5,775,808	14,882,432	5,749,967	13,021,079 m	28,762	21,662	-	42,389,055
	1952	1,899,297	760,695	868	5,303,545	13,774,952	5,326,146	12,977,572 n	24,055	-	-	40,067,130
	1953	1,561,836	745,649	21,811	3,555,642	10,201,927	4,247,561	10,142,880 o	18,085	-	-	30,495,391
	1954	1,272,419	568,733	52,281	2,903,470	10,675,181	3,283,315	7,836,675	20,238	-	-	26,612,312
	1955 #	1,749,692	639,990	212,239	2,594,928	9,921,275	2,749,383	8,057,660 p	9,625	-	-	25,934,792
	1956	1,746,287	841,201	254,495	3,232,566	9,762,753	3,524,853	8,801,402 q	5,715	-	6,361	
	1957	1,107,042	850,479	195,499	2,680,409	8,389,265	3,415,614	8,518,317 г	6,841	-	-	25,163,466
	1958	623,195	888,009	123,861	2,094,170	6,774,033	2,600,831	7,307,839 s	15,174	1,680	27,683	20,456,475
	1959	518,252	692,224	142,720	2,147,827	6,172,748	2,551,604	7,432,081 t	8,052	-	5,107	
	1960	519,583	474,234	129,002	1,853,008	5,380,696	2,414,599	6,933,916 u	13,828	679	1,568	17,721,113
	1961	579,106	464,421	108,542	1,194,971	5,307,953	2,004,278	6,827,844 v	16,534	1,645	1,318	16,506,612
	1962	497,925	411,185	110,384	1,079,459	6,090,572	1,702,891	6,583,012 w	10,786	9,512	589	16,496,315
	1963	727,445	445,749	230,324	964,475	6,412,375	2,082,968	6,531,130 x	8,729	-	8,007	17,411,202
	1964	551,442	910,704	237,555	879,898	5,649,906	2,267,083	6,011,519 y	15,081	-		16,524,687
	1965	444,826	416,272	196,495	660,558	5,346,676	1,600,886	5,538,420 z	23,096	2,395	193	14,229,817
	1966	507,724	299,622	167,568	501,187	4,478,217	1,431,414	4,624,032 aa		1,137	-	12,031,375
	1967	545,089	507,236	162,213	431,073	4,192,283	1,417,420	4,261,992 bb		369	-	11,552,441

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THIRTY-NINE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORT HUMBD	SCHUYLKILL	C107 7 7114			
	1924	4,776	2,213	2,043	35,846	63,308	14,660	37,672	SULLIVAN	SUSQUE.	WAYNE	DIVISION
	1930	4,216	1,757	2,016	36,317	61,114	11,354	33,082	708	1,178	99	162,503
	1931	4,160	1,290	1,766	33,797	59,225	11,326	25,654	584	457	274	151,171
	1932	3,870	997	1,657	29,700	50,231	10,084	21,507	586	254	342	138,400
	1933	3,392	1,009	1,285	21,375	44,450	7,980	21,507	703	454	297	119,500
	1934	4,344	948	1,126	22,954	46,737	8,161	21,062	718	203	510	102,469
	1935	4,935	1,324	1,012	20,889	43,701	7,757		510	200	209	106,251
	1936	5,517	1,697	888	19,607	44,454	7,525	19,697	596	403	225	100,539
	1937	4,282	1,871	877	19,188	45,755	7,323	19,159	611	27	219	99,704
	1938	4,713	1,951	918	17,818	45,731	7,409	19,002	426	158	69	99,117
	1939	4,686	1,943	904	17,875	43,344	7,637	18,065 a	290	42	-20	97,021
	1940	4,376	1,664	867	16,860	43,238		16,494 b	215	235	19	93,352
	1941	4,446	1,489	587	14,974		7,397	16,039 c	187	145	17	90,790
	1942	4,433	1,486	553	14,388	43,726	6,815	16,615 d	144	37	16	88,849
	1943	4,337	1,316	130	13,064	39,219	6,498	16,945 e	104	38	43	83,707
Empl-	1944	4,940	1,711	149		35,807	6,485	18,052 f	164	14	*	79,369
yes	1945	4,588	1,954	195	12,344	33,660	6,409	18,721 g	211	*	*	78,145
•	1946	4,599	2,162	300	11,400	32,888	5,877	19,127 h	207	29	¥	76,265
	1947	4,891	2,319	152	12,010	34,526	6,124	20,613	181	41	*	80,556
	1948	4,637	1,963	61	12,381	33,869	6,636	20,302	127	53	*	80,730
	1949	4,420	1,760		12,222	34,282	6,521	20,523 i	140	41	*	80,390
	1950	3,739		83	11,702	35,040	6,009	20,047 j	104	44	*	79,209
	1951	3,872	1,705	125	11,005	33,176	5,852	19,458 k	101	70	*	75,231
	1952	3,279	1,496	153	10,410	30,596	5,583	18,159 m	79	9	*	70,357
	1953		1,352	40	9,717	28,512	5,538	17,937 n	63	-	_	66,438
	1954	2,987	1,298	71	8,496	23,974	4,949	15,116 o	61	-	_	56,952
	1955 #	2,483	957	72	7,074	17,202	4,090	12,747	106	-		44,731
	1955 #	2,197	1,121	203	4,954	14,399	4,380	10,123 p	20	_	-	37,397
	1956	2,092	1,104	210	4,415	14,218	3,169	9,806 g	7	-	8	35,029
		1,892	1,143	191	4,309	12,442	3,239	9,544 r	7	_	-	32,767
	1958	837	1,064	167	3,448	9,642	3,022	8,512 s	25	3	18	26,738
	1959	613	853	208	3,235	8,397	2,857	7,923 t	22	-	4	20,730
	1960	759	583	208	2,937	6,002	2,817	6,928 u	21	4	10	
	1961	349	416	201	2,167	5,126	2,689	5,998 v	16	3	6	20,269
	1962	339	387	223	1,523	4,558	2,115	5,538 w	13	2	-	16,971
	1963	387	366	187	1,239	4,626	1,994	5,497 x	13	-	6 14	14,704
	1964	334	549	188	1,171	4,538	1,948	4,832 y	13	-		14,323
	1965	200	288	159	992	4,167	1,647	4,363 z	19	3	5	13,584
	1966	231	158	117	915	3,428	1,312	3,437 aa	15		3	11,839
	1967	224	240	90	475	3,021	866	2,892 bb		5	3	9,621
					4.0	0,021	800	2,692 DD	15	5	-	7,828

THIRTY-NINE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
	1924	1,325,996	498,917	566,352	9,879,932	17,094,203	4,008,190		85,557	350,847	20,205	44,054,141
	1930	738,578	257,535	371,794	7,689,354	12,990,705	3,010,032	6,482,976	38,484	52,749	43,458	31,675,665
	1931	730,607	230,208	349,013	6,288,064	10,359,468	2,100,810	4,748,290	38,404	46,601	67,648	24,959,113
	1932	537,711	160,097	276,268	5,011,732	7,724,183	1,822,717	3,516,543	67,632	25,763	31,228	19,173,874
	1933	455,966	157,495	244,098	4,462,932	7,539,709	1,681,984	3,601,752	54,129	38,976	64,680	18,301,721
	1934	756,434	206,878	248,595	5,384,563	8,991,190	1,958,718	4,097,456	88,891	53,800	56,430	21,842,955
	1935	727,462	178,122	195,668	4,301,651	7,899,403	1,724,406	3,570,398	85,202	87,390	44,585	18,814,287
	1936	781,883	367,474	141,498	4,439,859	8,048,873	1,606,329	3,598,172	127,098	4,275	39,496	19,154,957
	1937	725,560	378,726	176,737	3,564,769	8,680,115	1,395,236	3,406,363	52,506	13,648	9,714	18,403,374
	1938	783,486	372,549	175,948	3,162,859	7,699,347	1,316,707	3,039,160 a	28,581	3,570	3,257	16,585,464
	1939	821,611	318,779	185,320	3,225,238	8,234,943	1,483,189	2 ,888, 408 b	21,382	43,656	2,735	17,225,261
	1940	789,147	322,265	176,868	3,288,238	7,959,512	1,328,685	3,067,419 c	24,683	20,590	2,414	16,979,821
	1941	846,859	274,325	129,826	3,063,605	8,586,535	1,479,290	3,260,577 d	27,035	5,708	2,544	17,676,304
Man-days	1942	1,021,633.	349,214	21,313	3,462,164	10,163,813	1,535,344	3,972,274 e	21,884	8,066	9,432	20,565,137
	1943	1,156,102	351,130	37,310	3,571,795	9,902,178	1,680,211	4,659,538 f	39,286	3,276	*	21,400,826
	1944	1,446,126	500,067	46,488	3,703,717	10,246,301	1,681,792	5,125,620 g	59,589	* ·	*	22,809,700
	1945	1,213,929	522,380	50 ,8 78	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	16,320	*	16,362,473
	1950	823,173	526,441	24,361	2,541,870	6,642,519	1,961,803	5,035,437 k	14,265	30,131	*	17,600,000
	1951	738,600	369,305	27,540	2,420,001	6,110,011	1,693,285	4,340,356 m	13,652	2,250	-	15,715,000
	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 0	8,875	-	-	10,169,884
	1954	367,751	164,373	15,110	839,153	3,085,312	948,934	2,264,934	5,849	-	-	7,691,416
	1955 #	377,622	152,351	31,643	842,613	3,015,005	519,882	1,768,767 p	1,953	-	-	6,709,836
	1956	414,199	202,062	45,290	983,114	2,982,331	666,321	2,009,587 g	2,142	-	544	7,305,590
	1957	267,133	213,100	39,381	825,397	2,364,390	670,183	1,803,776	1,820	-	-	6,185,180
	1958	146,841	181,801	32,798	555,748	1,812,300	558,029	1,574,124 s	4,286	600	3,618	4,870,145
	1959	88,229	142,597	32,264	602,415	1,370,903	535,469	1,382,621 t	2,950	-	536	4,157,984
	1960	77,790	77,423	33,350	531,703	1,274,306	486,175	1,151,822 u	4,500	340	900	3,638,309
	1961	79,052	69,179	32,200	438,525	1,139,925	408,027	1,149,644 v	4,176	363	696	3,321,787
	1962	79,582	64,902	33,008	299,472	997,943	390,864	1,123,798 w	2,159	368	246	2,992,342
	1963	102,359	55,766	38,158	259,189	1,098,611	432,184	1,100,426 x	1,730	-	2,576	3,090,999
	1964	68,057	104,052	37,552	250,347	1,057,471	408,207	1,002,987 y	1,624	-	310	2,930,607
	1965	35,696	61,212	27,274	166,990	852,831	297,408	811,710 z	2,693	660	360	2,256,834
	1966	43,001	37,488	21,965	107,826	729,437	233,234	652,550 aa	2,221	406	30	1,828,158
	1967	45,337	64,373	17,150	96,979	675,177	193,816	611,087 bb	3,749	188	-	1,707,856

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THIRTY-NINE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZODUD						
	1924	278	225	277	276	LUZERNE	NORTHUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
	1930	175	147	184	210	270	273	271	121	298	295	271
	1931	176	178	198	185	213	265	196	66	115	159	210
	1932	139	161	167	169	175	185	185	66	183	198	180
	1933	134	156	191	209	154	181	164	96	57	106	160
	1934	174	218	221	209	170	211	167	75	192	- 127	
	1935	147	135	193		192	240	195	174	269	270	179
	1936	142	215	159	206	181	222	181	143	217	198	206
	1937	169	202	201	224	181	213	188	208	171	198	187
	1938	166	191	192	186	190	186	180	123	86	141	193
	1939	175	164	205	178	168	176	168 a	103	85	163	186
Aver-	1940	180	194		180	190	194	175 b	100	186		171
age	1941	190	194	204	195	183	180	191 c	132	142	144	185
days	1942	230	235	221	205	196	217	196 d	188	142	142	187
worked	1943	267	235	39	241	259	236	234 e	210	212	159	199
	1944	293		287	273	277	259	258 f	239		219	246
	1945	265	292	312	300	304	262	274 g	282	234 *	*	269
	1946		267	261	270	274	258	250 h			*	292
	1947	262	234	74	275	278	257	251	260	174	*	265
	1948	269	270	139	272	283	269	277	217	272	*	266
	1948	272	163	199	279	281	265	250 i	183	255	-	277
	1950	197	291	115	224	188	234	216 j	202	188	-	268
	1950	220	280	195	235	205	280		123	260	-	207
		193	227	180	250	222	240	250 k	140	280	-	220
	1952	213	222	224	240	238	240	241 m	192	250	-	233
	1953	168	163	140	164	187	178	215 n	206	-	-	211
	1954	148	172	210	119	179		177 o	146	-	-	179
	1955 #	172	136	156	171	209	232	178	55	-	-	172
	1956	198	183	216	223	210	119	175 p	97	-	-	179
	1957	141	186	206	192	190	210	205 q	306	-	68	209
	1958	175	171	196	161	190	207	189	260	-	_	189
	1959	144	167	155	186		185	185 s	171	200	201	182
	1960	102	133	160	181	163	187	175 t	134	-	134	172
	1961	227	166	160	202	212	173	166 u	214	85	90	180
	1962	235	168	148	197	222	242	192 v	261	121	116	196
	1963	264	152	204	209	219	185	203 w	166	184	41	204
	1964	204	190	200	209	237	217	200 x	133		184	204
	1965	187	188	171		233	210	208 y	85	_	62	
	1966	186	237	188	168	223	180	196 z	158	220	120	216
	1967	202	268	188	118	213	178	190 aa	148	81	120	191
		105	200	191	204	224	224	211 bb	250	37	10	190
									250	37	-	21,8

THIRTY-NINE YEAR STUDY OF ANTHRACITE, BY COUNTIES

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	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
	1924		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
Fatal-	1942	4	6	-	35	128	16	36	-	-	-	225
ities	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 59
	1953	3	1	-	7	30	3	15	-	-	-	
	1954	1	2	-	7	27	2	8	-	-	-	47
	1955 #	5	-	-	5	32	6	12	-	-	-	60
	1956	4	-	-	7	23	6	14	-	-	-	54
	1957	3	4	1	. 7	20	6	10	-	-	-	51
	1958	-	1	-	2	15	4	9	-	-	-	31
	1959	· 1	2	-	6	24	4	9	-	-	-	46
	1960	1	1	-	11	14	3	5	-	-	-	35
	1961	1	-	-	1	10	3	4	-	-	-	19
	1962	-	-	-	-	11	1	14	-	-	-	19 26 30
	1963	1	1	-	3	12	4	9	-	-	-	30
	1964	-	-	-	1	7	8	8	-	-		24
	1965	-	2	1	-	2	1	2	-	-	-	ε
	1966	-	-		-	2	-	3	-	-	-	5
	1967	-	-	-	-	4	2	3	-	-	-	9

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THIRTY-NINE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE			·····			
	1924	241,347	94,975	159,007	163,139		NORT HUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
	1930	159,467	-	173,473	141,786	179,851 167,415	189,672	174,893	-	655,000	-	175,963
	1931	314,347	216,356	189,069	110,074		232,734	127,425	-	91,296	40,994	154,902
	1932	607,304	497,966	84,135	198,801	157,395	179,024	192,922	75,542	-	52,502	153,946
	1933	536,803	_	652,057	187,972	166,621	369,938	249,515	-	-	124,196	203,710
	1934	293,953	229,380	315,918	210,861	180,559	364,479	238,419	63,051	-	_	213,395
	1935	425,755	274,934	78,495	208,745	188,056	240,296	274,722	189,070	89,618	-	218,458
	1936	468,449		200,379	208,745	171,213	341,830	176,426	59,711	-	-	192,356
	1937	415,280	208,507	53,823		155,584	372,014	362,748	-	-	-	225,162
	1938	324,629	289,478	85,174	260,500	220,462	306,947	301,620	99 , 879	-	102,858	243,869
	1939	359,165	192,869	158,987	172,241 199,969	199,664	314,676	222,141	-	-	-	207,487
Pro-	1940	362,558	513,813	168,519		216,460	370,403	366,138	-	124,791	-	244,761
duc-	1941	300,218	533,736	172,773	264,556	243,785	449,946	340,672	-	-	-	283,112
tion	1942	699,200	166,354	-	242,536	248,127	704,868	337,776	-	-	-	285,408
per	1943	450,120	172,203	-	266,983	201,307	330,995	375,568	~	-	-	257,509
fatal	1944	303,740	286,985		254,157	233,812	420,242	322,150	- '	-	_	277,577
	1945	557,543	186,871	299,349	254,796	354,429	382,896	588,581	-	-	_	374,927
	1946	527,701	242,959	-	299,371	397,609	284,697	522,853	187,007	-	_	405,081
	1947	733,452	301,577	-	335,494	288,236	528,566	495,037	105,862	-	_	366,738
	1948	560,379	559,832	-	341,527	211,452	521,504	1,083,979	-	-	_	350,771
	1949	708,894	1,380,732	-	453,204	332,182	1,387,468	508,104	-	_	_	451,212
	1950	497,079		-	777,718	266,497	2,600,245	752,121	-	_	-	431,212
	1951	473,509	640,904	-	815,808	329,091	579,034	1,278,772	-	_	-	538,829
	1952	237,412	328,392	-	444,293	338,237	718,746	591,867	_	_	-	
	1953	520,612	152,130	-	530,355	372,296	532,615	589,890	-	-	-	450,947
	1954	1,272,419	745,649	-	507 , 949	340,064	1,415,854	676,192	-	-	-	435,512
	1955 #	349,938	284,366	-	414,781	395,377	1,641,657	979,584	_	-	-	516,871
	1956	436,572		-	518,986	310,040	458,231	671,472	_	-	-	566,219
	1957	369,014	-		461,795	424,468	587,476	628,672	-	_	-	432,247
	1958		212,620	195,499	382,916	419,463	569,269	851,832	_	_	-	521,771
	1959	- -	888,009	-	1,047,085	451,602	650,208	811,982	_	-	-	493,401
	1959	518,252	346,112	-	357,971	257,197	637,901	1,061,726	_	-	~	659,886
	1961	519,583	474,234	-	168,455	384,335	804,866	1,386,229	_	-	-	427,622
	1962	579,106	-	-	1,194,971	530,795	668,093	1,703,547	_	-	-	506,318
	1962			-	-	553,688	1,702,891	469,279	-	-	-	868,769
		727,455	445,749	-	321,491	534,365	520,742	720,548	-	-	-	634,474
	1964	-		-	879,898	807,129	283,385	747,312	-	-	-	580,373
	1965	-	208,136	196,495	· -	2,673,338	1,600,886	2,747,459	-	-	-	688,529
	1966	-	-	-	-	2,239,108	-,,-	1,541,344	-	-	-	1,778,727
	1967	-		-	-	1,048,071	708,710	1,419,764	-	-	-	2,406,275
								· ; · · / j / 04	-	-	-	1,283,605

THIRTY-NINE YEAR STUDY OF ANTHRACITE, BY COUNTIES #

	YEAR	CARBON	COLUMBIA	DAUPHIN	LACKAWANNA	LUZERNE	NORTHUMBD.	SCHUYLKILL	SULLIVAN	SUSQUE.	WAYNE	DIVISION
	1924	8.30	22.05	12.36	12,65	11.29	9.48	10.77	_	2,85	-	11.26
	1930	14.89	-	13,45	14.05	12.62	9.63	18.97	-	18.96	69.03	14.02
	1931	8.21	17.38	11.46	18.45	14.58	15,23	14.11	26.04	-	44.35	15.39
	1932	5.58	6.25	28.96	11.77	15.02	7.13	11.94	-	-	32.02	12,67
	1933	6.58	-	4,10	13,22	14.59	8.32	11.94	36.95	-	-	12,68
	1934	9.25	19.34	8.05	10.96	12.68	12.25	11.47	11.25	37.17	-	11.90
	1935	5.50	16.84	35.77	11.62	15.57	9,28	17.08	35.21	-	-	14.19
	1936	5.12	-	14.13	11.26	17.02	8.71	9.45	-	-	-	12.58
	1937	6.89	15.84	50,92	9.82	11.75	10,75	11.16	19.04	-	102.94	11,52
	1938	7.66	10.74	28,42	15.49	13.25	9.87	14.48	-	-	-	13.45
	1939	8.52	15.68	16.19	14,26	13.11	8,76	9,35	-	22,91	-	12,19
Fatal-	1940	7.60	6.21	16.96	10.64	11.68	7.53	10.76	-	-	-	10,72
ities	1941	9.45	7.29	15.41	12.08	11.41	4.73	10,73	-	-	-	10.69
per	1942	3.92	17.18	-	10.11	12.59	10.42	9.06	-	-	-	10.94
mil-	1943	6.05	14,24	-	10.08	10.40	7.74	11.59	-	-	-	10,19
lion	1944	8.30	8.00	21.51	9.99	6.83	8,92	6.24	-	-	-	7.50
man-	1945	4.94	11.49	-	8,78	5,88	8.57	6.69	18.56	-	-	6.82
days	1946	4.99	11.84	-	8.16	8.23	7.63	7.34	25.41	-	-	7.88
	1947	3.03	7.98	<u> </u>	7.39	10.83	7.26	2.66	-	-	-	7.41
	1948	3.97	9.38	-	5.57	6.74	2,90	6,63	-	-	-	6.08
	1949	3.45	1.96	-	3.06	9.12	1.42	4.15	-	-	-	5,62
	1950	4.86	3.80	-	3.15	7.83	4.59	2.18	-	-	-	4.89
	1951	5.42	8.12	-	5.37	7.20	4.72	5.07	-	-	-	5.98
	1952	11.43	16.60	-	4.90	6.18	8.70	5.80	-	-	-	6.57
	1953	5.97	4.73	-	5.01	6.69	3.41	5.60	-	-	-	5.80
	1954	2.72	1.22	-	8.34	8.75	2.11	3.53	-	-	-	6.11
	1955 #	13.24	-	-	5.93	10.61	11.54	6,78	-	-	-	8.94
	1956	9.66	-	-	7.12	7.71	9.00	6.07	-	-	-	7.39
	1957	11.23	18.77	25.39	8,48	8.46	8.95	5.54	-	-	-	8.25
	1958	-	5.50	-	3.60	8,28	7.17	5.72	-	-	~	6,37
	1959	11.33	14.03	-	9.96	17.51	7.47	6.51	-	-	-	11.06
	1960	12.86	12.92	-	20.68	10.99	6.17	4.34	-	-	-	9.62
	1961	12.65	-	-	2.28	8.77	7.35	3,47	-	-	-	5.72
	1962	-	-	-	-	11.02	2,56	12.46	-	-	-	8,69
	1963	9.77	17.93	-	11.57	10.92	9.26	8,18	-	-	-	9.71
	1964	_	-	-	3.99	6.62	19,60	7.98	-	-	-	8.19
	1965	-	32.67	36.66	-	2.35	3.36	2.46	-	-	-	3.54
•	1966	-	_ `	-	-	2.74	-	4.60	-	-	-	2.73
	1967	-	-	-	-	5.92	10.13	4.91	-	-	-	5.26

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EXPLANATION OF SYMBOLS USED IN THIS REPORT

а	-	Includes	6 194	+	12	1									
	_	11010025	12,007	tons	13	employes,	124	days	and	1,612	man-	days	for	Lebanon	County
-	-				-		130		н	990		n '	11	**	н
-			17,330		13		136		*	1,773	49	81	H.		н
	-		30,716		26	*	187	м	*1	4,856	U			11	
e	-		35,641	'n	39	**	118	10	2ð	4,593		11			
f	-	*	21,981	61	22	*	257	н		5,654	н				
g	••	*	21,550	*	14	17	210	н		2,940					
, h	-		37,690		41		241		н	9,881					
i	-	17	21,982	*	6		223			1,338		"			
j	-	-	21,763	*	7		226			1,582		н			
k	-		22,978	**	5		267			1,335		i.			
m	-	н	26,567	H.	13	н	308		*	2,020			-		
n	-		24,767	U U	11	"	286	11		2,156					
0	-		6,560	17	10		46			460			8		
р	-	н	3,752		20		120								
ġ			6.359	Ħ	22		107			2,408				**	11
r	-	19	3,550	н	5	**	188			2,358		-		**	
s	-	19	9,106		õ	41	98	n i		940					н
t	-		4,450		6				'n	588			*	"	••
	-	11	2,770		3		153	*		918	н	11	**	*	
v.	_		13,654		5		230			690			Ħ	•	10
	_		13,101		7		72	-	н	360	69	11	м		
	-						118	**	*	824	**	Ħ	n	11	•
X			26,192		15		192	н		2,893		81	Ħ	*1	н
y ·	-		33,019		14		124	41	н	1,737	ы		0		
z	-		43,000		10		163		R	1,630			11		
aa		•	39,237	**	9	11	70		н	634					
bb ·	•		2,700	59	5		18	11	n	90	H	н	11		11

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

* Not segregated from Lackawanna County.

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

		nes Employing or More Perso	ons	Mines Employing Fewer Than Five Persons		Percentage	Ē	mployes }	oy Count	Σ	Washerv	Total Em-	Total
County	Deep Mined Production	Strip Mined Production	Bank Mined Production		Total Production	Total Production	Deep	Small Deep*	Strip	Bank	and		Fatal- ities
Carbon	27,544	311,468	206,077	-	545,089	4.72%	29	-	150	25	20	224	-
Columbia	64,368	395,666	23,134		507,236	4.39%	62	22	172	6	-	240	-
Dauphin	-	-	138,782	23,431	162,213	1.41%	29	29	_	12	49	90	
Lackawanna	13,558	234,939	182,576	-	431,073	3.73%	69	-	154	56	196	475	-
Lebanon	-	2,700	-	-	2,700	0.02%	-	-	5	-	-	5	-
Luzerne	1,449,000	1,553,233	1,190,050		4,192,283	36.29%	1,787	-	480	213	541	3,021	
Northumberland	282,656	404,103	600,409	130,252	1,417,420	12.27%	395	171	156	68	247	866	
Schuylkill	1,085,502	1,973,062	994,432	206,296	4,259,292	36.87%	892	238	905	214	876	2,887	3
Sullivan	-	34,766	· _	· _	34,766	0.30%	-	-	10	-	5	15	-
Susquehanna	-	272	97	-	369	-	-	-	2	1	2	5	-
Wayne	-		·		<u> </u>							<u>.</u>	
Division Total	2,922,628	4,910,209	3,335,557	384,047	11,552,441	100.00%	3 , 263	460 *	2,034	595	1,936	7,828	9
Percentage of Total Production	25.30%	42.50%	28.87%	3.33%	100.00%				***				

ANTHRACITE DIVISION FRODUCTION OF COAL, EMPLOYES AND FATALS BY COUNTY 1967 -

* 460 Small deep employes included in deep employes total.

ANTHRACITE PRODUCTION (DEEP MINED, STRIPPING AND BANK), FATALITIES, FRODUCTION PER FATAL AND EMPLOYES BY DISTRICT 1967

Dis- trict	Inspector	Deep Mined	Stripping	Bank	Total Production	Fatal- ities Deep	Fatal- ities Strip	Fatal- ities Bank	Total Fatal- ities	Production Per Fatal	TOTAL EMPLOYES
l	T. M. Beaney	-	854,070	-	854,070	-	-	-	-	_	409
2	R. 0. Schneider	-	1,868,687	-	1,868,687	- '	_	~	-	-	663
3	J. R. Ruane	-	1,290,715	-	1,290,715	-	l	-	1	-	597
Ĩ4	Walter Davis	-	896,737	-	896,737	-	-	-	-	-	375
10	W. A. Sanders	13,558	-	45,781	59,339	-	-	-	-	-	194
11	G. F. Kettle	920,788	-	129,060	1,049,848	2	-	-	2	524,924	898
12	G. R. Sterling	152,663	-	138,782	291,445	-	-	-	-	-	198
13	W. R. Devens	244,791	-	465,375	710,166	-	-	-	-	-	830
15	A. A. Joyce	293,166	-	816,254	1,109,420	2	-	-	2	554,710	1,035
16	F. C. O'Connor	542,252	-	-	542,252	2	-	-	2	271,126	312
17	C. E. Kashner	147,867	-	59,475	207,342	l	~	-	l	207,342	ներ
18	J. J. Shober, Jr.	123,056	-	398,628	521,684	-	-	-	-		349
19	A. J. Latz	94,167	~	176,037	270,204	-	-	-	-	-	278
20	A. E. Hand, Acting	66,938	-	460,600	527,538	-	-		-	-	162
21	C. E. Miller	244,332	-	37,405	281,737	1	-	-	1	281,737	210
23	G. P. Gallagher	40,887	-	28,162	69,049	-	-	-	-	-	77
24	A. E. Hand	65,569	-	17,870	83,439	-	-	-	-	~	214
26	P. P. Hino	91,032	-	527,826	618,858	-	-	-	-	-	570
28	Leon Brass	133,266	-	13,686	146,952	-	-	-	-	-	122
29	H. R. Reese	8,306	-	20,616	28,922	-	-	-	-	-	25
30	W. D. Maurer	124,037			124,037						166
Division	n Total	3,306,675	4,910,209	3,335,557	11,552,441	8	l	-	9	1,283,605	7 , 828

SURMARY OF ANTHRACITE MINES, PROJUCTION AND FATALITIES BY DISTRICT 1967

																			Pro-
				No. of	No.	Total		No. of	No. of	No. of		Washery	& Total No. of	Deep	Strip	Bank			duction
		Total	No. of	Small	of No.	Number	No. of	Non-	Deep	Strip	Bank	Breaker	Em-	Mined	Mined	Mined	Total	Fa-	Per
		Number	Large		Strip of	of	Gaseous	Gaseous	Em-	Em-	Em-	En-		Production*	Production	Production	Production	tals	Fatal
Dis-		of	Deep	Deep Mines*	Mines Banks		Mines	Mines	ployes	ployes	ployes	ployes	ployes	Produc atom-	854,070		854,070	-	-
trict	Inspector	Operators	Mines	minesv	PILLIES DESIKO	38			-	399	-	10	409	-	1,868,687	-	1,868,687	-	
1	T. M. Beaney	12	-	-	20 =	31	-	-	-	663	-	-	663	-	1,290,715	-	1,290,715	1	1,290,715
2	R. O. Schneider	9	-	-	21 -	56	· _	-	-	597	-	-	597	-	896,737	-	896,737	-	-
3	J. R. Ruane	23	-	-	50 -	20	-	-	-	375	-		375	13,558	0,00,151	45,781	59,339	-	-
ī.	Walter Davis	30		-	JU -	12	-	հ	50	-	22	122	194	920,788	-	129,060	1,049,848	2	524,924
10	W. A. Sanders	16	4	-	- 0	11.	10	-	773	-	28	97	898	152,663		138,782	291,445	-	-
11	G. F. Kettle	8	10	_	- 4	11	7	21	122	-	12	64	198		-	465,375	710,166	-	-
12	G. R. Sterling	34	28	21	- 2	21	÷		504	-	111	215	830	244,791	-	816,254	1,109,420	2	554,710
13	W. R. Devens	26	6	-	- 45	21	5	ñ	5116	-	118	371	1,035	293,166	-	010,004	542,252	S	271,126
15	A. A. Joyce	24	6	-	- 15	20	12	15	246		-	66	312	542,252	-	59.475	207,342	1	207,342
16	F. C. O'Connor	34	32	12		26	7	17	115	-	6	23	144	147,867	-	398,628	521,684	-	-
17	C. E. Kashner	23	24	13	- 2	26	i.	Th.	98	-	75	176	349	123,056	-	176,037	270,204	-	-
18	J. J. Shober, Jr.	38	18	10	- 0	27	8	11	104	-	34	140	278 162	94,167	-	460,600	527,538	-	-
19	A. J. Latz	36	19	10	- 0	20	Å	11	70	-	36	56	162	66,938	-	37,405	281,737	l	281,737
20	A. E. Hand, Acting	22	17	11	- 2	20	ň	28	168	-	9	33	210	244,332 40,887	-	28,162	69,049	-	-
21	C. E. Miller	37	32	15	- 3	15	1	8	56	-	14	7	77		-	17,870	83,439	-	-
22	G. P. Gallagher	15	12	Ý.	-)	12	1	9	69	-	3	142	214	65,569	-	527,826	618,858	-	-
21.	A. E. Hand	25	10	8		43	7	δr	125	-	118	327	570	91,032	-	13,686	146,952	-	-
26	P. P. Hino	38	23	12	- 20	40	12	10	105	-	4	13	122	133,266	-	20,616	28,922	-	-
28	Leon Brass	23	22	13	- 1	22	1	-1	14	-	5	6	25	8,306	-	20,020	124,037	-	-
20	H. R. Reese	7	5	4	- 1		ź	7	98	-	-	68	166	124,037			X24,021_		
20	W. D. Maurer	14	11	8		11		°							1 020 000	3,335,557	11,552,441	9	1,283,605
	ni Di Indi Ci				- 44 4	520	100	179	3,263	2,034	595	1,936	7,828	3,306,675	4,910,209	الدوودردود	11,322,344-		
	Division Total	494#	279	1ւկկ»	155**106	540	100	10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,,,,,,		,							

are gang ter war sin

Due to some companies operating in more than one district, the actual number of Anthracite Operators is '412.
* Mik Small Deep Mines are included in the total number of Deep Mines; L60 Small Deep Employees are included in Deep; 38L,047, Small Deep Production as included in Deep Mined Production.
** Due to some companies operating in more than one district, the actual total number of Anthracite Strip Operators is 57.

NEW ROOM OF THE OWNER

By Inspection District - 1967

			F	Production - Ne	t Tons		Pounds					
	:		:	Sold	Used at		: permiss-					Non-
	:	Shipped to	o Market :	to	colliery		: ible ex-	Pounds			Fatal	fatal
Dis-	:	Ву	By :	local	for steam	Total	: plosives	dynamite	Days	Empl-	acci-	acci-
trict	:	railroad	truck :	trade	and heat	production	: used	used	worked	oyes	dents	dents
1		312,118	222,092	318,638	1,222	854,070	2,049,818	2,635,515	263	409	-	12
2		1,034,475	639,689	187,068	7,455	1,868,687		15,183,058	243	663	-	36
3		371,018	818,852	99,664	1,181	1,290,715	-	9,330,997	223	597	1	17
ú		399,491	216,208	280,480	558	896,737	12,079,532	6,131	207	375	-	26
10		19,407	14,131	25,642	159	59,339	9,450	2,050	173	194	-	7
11		325,375	473,162	211,215	40,096	1,049,848	891,600	24,400	227	898	2	130
12		145,953	84,430	60,346	716	291,445	67,910	4,665	211	198	-	2
13		153,692	441,267	114,418	789	710,166	282,100	300	206	830	-	60
13 15		607,534	382,353	118,376	1,157	1,109,420	336,225	34,700	209	1,035	. 2	87
16		63,217	226,748	250,032	2,255	542,252	328,935	-	270	312	2	32 5
17		51,160	102,391	52,937	854	207,342	81,010	100	220	144	1	5
18		166,051	285,112	70,036	485	521,684	57,850	5,100	221	349	-	. 28
19		124,333	104,775	40,503	593	270,204	56,910	9,050	190	278	-	27
20		477,279	37,893	11,976	390	527,538	49,698	-	244	162	-	6
21		41,614	166,146	73,281	696	281,737	174,425	1,500	227	210	1	4
23 24 26 28		24,110	39,787	4,968	184	69,049	25,967	-	201	77	-	-
24		14,157	62,306	6,799	177	83,439	43,515	75	237	214	-	10 38
26		395,066	81,066	142,105	621	618,858	69,525	8,525	166	570	-	38
28		11,762	109,697	25,425	68	146,952	50,610	305	231	122	-	9
29		-	28,910	-	12	28,922	4,550	950	196	25	-	-
		25,591	65,766	32,432	248	124,037	55,950		214	166		13
Total		4,763,403	4,602,781	2,126,341	59,916	11,552,441	16,715,580	27,247,421	218	7,828	9	549

*

Dis- trict	Number of Small Mine Operators	Number of Small Mines	Number of Men Employed in Small Mines	Small Mine Production	Fatal Acci- dents	Non- fatal Acci- dents	Number of Man-Days
-	-	-	1	ı	ı	ı	,
N	I	ı	ı	1	ł	1	ı
ω	ŀ	1	I	·			ı
t-	J	ı	ı	ı		ı	ı
10	ı	ı	,	1	1	I	ı
۲	•		1	ı		1	
12	21	21	66	56,960	ı	N	14,066
ដ	ı	1	ı	1	ı	\$	
ጚ	1	1	•	1	ı	,	· - ·
ы	21	, 12	29	49,225	ı	ı	ттћ'q
17	ដ	٤Ľ	49	40,482	, I	ı	696,6
18	OT	10	32	8tht, T2	ı	ı	4,845
19	DT	IO	96	36,838	ı	1	5,715
20	11	11	38	28,566	ı	1	6,615
21	ъ	15	48	38,338	ı	ı	7,481
23	7	7	22	12,419	ı	,	3,651
214	8	8	25	15,746	1	,	3,802
26	to	12	32	12,790	1	ı	4,396
28	ដ	ម	91	47,941	ı	1	9,895
29	4	4	6	270, µ	ł	ı	1,461
ő	8	8	25	19,024			2,612
Total	2 ⁴ T	կիլ	160	384,047	ı	N	6 16°0 8

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Sector Contraction

ANTHRACITE DIVISION

	:		Mechanical	Loading	Number of Tons		Elec	tric Motors	Pumps Water	Delivering to Surface
Dis- trict	:	Number of Scrapers, Conveyors or Shaker Chutes	Number of Under- cutting or Mining Machines	Number of Loading Machines	Produced by Mechanical Loading	Number of Employes en- gaged in this class of work	: : : Total : Number		: : : Total	Number of Gallons delivered per day of
1		-	_				. nuniver	power	: Number	24 hours
2		-	-	-	-	- `	21	858	2	14,400,000
1		-	-	-	-	-	-	-	-	14,400,000
10		-	-	-	_	-	-	-	1	2,800,000
11		11 191	-	-	12,815	30	186	600	2	6,774,783
12		191	-	?	866,455	425	620	3,948 33,615	1	720,000
13 15		56	-	4	162,744	18	220	2,994	17	17,302,000
15		39	2	3	230,000	258	845	31,020	19	848,000
16		6	-	18	232,860	295	715	27,256	13 25 57	42,500,000 23,502,712
17 18		6	-	-	140,719 41,406	34	283	8,814	57	2,843,300
19		7	~	2	32,184	22 16	132	3,637	30	1,730,919
20		10	-	-	31,254	15	427 538	12,619	8	97,500
21		13	-	3	465,419	39	122	9,730 3,355	17	5,035,671
23			-	10	1.42,454	39 48	200	3,184	4	3,582,000
24		7	-	2	28,162	11	25	624	30	867,080
23 24 26 28 29		7	-	2	53,538 25,730	23 26	381	4,225	11	21,600 2,204,750
20		11	-	ī	39,585	26 18	439	12,999		11,832,461
30		4	-	6	23,816	10	85	2,113	27	108,650
		0		-	47,620	20	20 198	217	4	61,000
Total		382	0			20	190	4,422	22	1,948,000
			2	66	2,576,761	1,305	5,459	166,230	302	139,180,426

SUMMARY OF EMPLOYES BY DISTRICT ANTHRACITE DIVISION--1967

				INSIDE EMPLO	YES						OUTSIDE	EMPLOYES		
Dis- trict	;	Mine Foreman	Miners	Miners Laborers	All Other	Total Inside	:	:	Super- intendents	Office	Breaker	All Other	Total Outside	: GRAND TOTAL : Inside & Outside
1		-	-	-	-	-			28	8	10	363	409	409
2		-	-	-	-	-			71	27	-	565	663	663 597
3		-	-	-	-	-			39	6	-	552	597	597
4		-	-	-	-	-			28	- 3	-	344	375	375 194 898 198
10		5	13	26	4	48			6	2	122	16	146	194
11		36	200	239	120	595 88			13	14	97	179	303	898
12		26	49	13	-				- 5	-	- 64	41	110	198
13		8	65	125	123	321			7	10	215	277	509	830
15		19	99	190	120	428			23	5	371	208	607	1,035
16		37	132	3	29	201			3	-	66	42	111	312
17		27	47	9	1	84			6	-	23	31	60	144
18		20	. 47	3	4	74			10	3	176	86	275	349 278 162
19		23	44	11	-	78 52			3	-	140	57	200	278
20		16	29	7	-	52			8	1	56	45	110	162
21.		42	60	22	-	124			7	-	33	46	86	210
23		15	23 38	3	-	41			6	2	.7	21	36	77
24		14	38	_ 3	2	57			2	-	142	13	157	214
26		21	41	14	8	84			13	4	327	142	486	570
28		26	33	14	-	73			5	-	13	31	49	122
29		.7	4	2		13			1	-	6		12	25
30		18	37	14	10	79			4		68	15	87	1.66
Total		360	961	698	421	2,440			288	85	1,936	3,079	5,388	7,828

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ANTHRACITE DIVISION

OPERATORS PRODUCING 50,000 OR MORE TONS

1967

Dis- trict	Operator	Production
		110000001011
1-10-11-13-15 3-4-17-18-19-		1,320,766
23-26	Reading Anthracite Co.	1,095,378
1-2-3-11-13-	-	010000
5-16-18-26	Lehigh Valley Anthracite, Inc.	996,938
2-15	Jeddo-Highland Coal Co.	969,512
.1	Glen Nan Coal Co., Inc.	658,477
	Greenwood Stripping Corporation	610 006
.2-20	Gangloff Brothers	615,006
3-15	George Racho	401,464
	Kerris & Helfrick, Inc.	278,372
-15.	Honeybrook Mines, Inc.	234,545
	Carbondale Coal Co., Inc.	214,692
0	State Coal Co., Inc.	191,271
8-19-21	Manbeck Dredging Co., Inc.	172,639
6	B-D Mining Co.	167,400
26	Capparell Stripping & Construction Co.	144,483
	Gilberton Coal Co.	120,540
-15	George Huss	114,162
3	Popple Coal Sales Co., Raymond	110,641
-13-19	Scranton Excavating Co.	100,687
)	Mercury Coal Co., Inc.	94,479
ŝ	Mar Strip & Excavating Co.	81,912
-16	Kocher Coal Co., Leon E.	81,699
	Sanchez Construction Co.	75,995
5	Bush Coal Co.	73,931
3	William Schickram	72,679
17-24-26-28		68,799
}	Split Vein Coal Co., Inc.	68,555
	Correale Construction Co. Gowen Coal Co.	67,522
-24	Desired Co-1 C-	66,680
	Rosini Coal Co.	58,973
	Coleby Coal Co., Inc.	55,160
,	Pollock, Inc., Ken	55,083

				1,967							
	Deep Mined	Stripping	Bank	Total Production	Deep	Strip	Bank	Strip Bank Total	Non- Fatals	Production Per Fatal	Employes
	749,624	405,315	165,827	1,320,766	m	ı	ı	m	177	1,140,255	1,577
	1	658,477	:	658,477	н	I	1	ч	73	658,177	L33
		72,679	ı	72.679	ч	1	1	ч	'	72.679	ଛ
	ı	29,010	13,686	li2,696	ı	Ч	'	Ч	1	42,696	I6
	29,887	1	1	29,887	ч	ł	ı	ч	1	29,887	ų
	21,240	•	ı	21,240	٦	ı	ı	ч	Ч	21,240	Ħ
	13,368	1	8	13,368	-	•	-	-	-	13,368	P
Total production for operators with a fatality	פננ,ענ8	1,165,481	179,513	2,159,113	8	Ч	ı	6	251	239,901	2,082
Total production for operators without a fatality	2,492,556	3,744,728 3,156,044	3,156,044	9,393,328	ı	ł	ı	1	298	1	5,746
	3,306,675	4,910,209 3,335,557	3,335,557	ב44,552,11	8	Ч	ł	6	549	1,283,605	7,828

FRODUCTION AND ACCIDENT RECORD FOR OPERATORS HAVING A FATALITY

CAUSES OF ANTHRACITE FATAL ACCIDENTS, BY COUNTY, 1967

	Carbon	Columbia	Dauphin	Lackawanna	Lebanon	Luzerne	Northumberland	Schuylkill	navilluS	Susqueharma	Wayne	Total	Percentage of total accidents
INSIDE													
Falls of Roof, Face or Side	s -	-	-	-	-	3	1	3	-	-	-	7	77.78%
Machinery	<u> </u>					1	~					1	11.11%
Total Inside	-	-	-	-	-	4	l	3	-	-	-	8	88.89%
OUTSIDE													
Stripping		-		-			1					1	11.11%
Total Outside	-	-	-	-	-	-	1	-	-	-	-	l	11,11%
GRAND TOTAL	-	-	-	-	-	4	2	3	~	-	-	9	100.00%
Percentage of total accidents	-	-	-	-	-	44.45%	22.22%	33.33%	-	-	- 1	.00.00%	

ANTHRACITE FATAL ACCIDENT VICTIMS - 1967

Service of the servic

Dis- trict 16 15 15 11	Name of Victim Sylvester Kreiser Gilbert Paczkoski Frank Kropiewnicki John J. Langdon	<u>Victim's Address</u> Jonestown Glen Lyon Glen Lyon Plains Nanticoke	Company Bush Coal Co. Blue Coal Corporation Blue Coal Corporation Blue Coal Corporation Glen-Nan Coal Co., Inc.	Mine Top Split Slope Wanamie No. 19 Wanamie No. 19 Ought Tunnel No. 3 Slope	Date of Accident Jan. 9 Jan. 27 Jan. 27 Mar. 3 Apr. 6 Apr. 7	Cause of Accident Fall of Roof Fall of Roof Fall of Roof Fall of Roof Machinery (Inside) Stripping
15	Gilbert Paczkoski		Blue Coal Corporation	Wanamie No. 19		Fall of Roof
	John J. Langdon Stanley M. Fundalewicz		Glen-Nan Coal Co., Inc.		Apr. 7	Stripping
3 21	Donald Ressler Harold Weikel	Atlas Ashland Valley View	R. B. F. Coal Co. <u>Rei</u> chwein & Beury Coal Co. Erdman Coal Co.	R. & B. Mine Middle Split Slope	Apr. 19 May 1	Fall of Roof Fall of Roof Fall of Roof
16 17	William Shomper Paul Reidinger	Trevorton	Gem Coal Co.	No. 11 Vein S.D.No.3 Slope	Dec. 20	Fail of Noor

<u>ারলকা (ব্যারিয়ার চার্যার্থ)</u>

C. C. States and States

1.201-90-90 Mar 10.00

ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1967

Year	Date	Colliery	Сотрапу	Location of colliery		mber 11ed
1847	Feb.	Spencer	Spencer Coal Co.	Pottsville	Explosion of gas	7
1869	Sep. 6	Avondale	Delaware, Lackawanna & Western Railroad Co.	Plymouth	Mine Fire	110
1870	Mar. 22	Potts	Locust Dale Coal Co.	Locust Dale	Boiler explosion	5
10/0	Aug. 10	Heins & Glassmire	Heins & Glassmire	Middleport	Cage fell down shaft	ğ
	Aug. 29	Preston #3	Preston Coal & Improvement Co.	Girardville	Car fell down slope	7
1871	May 27	West Pittston	Lehigh Valley Railroad Co.	West Pittston	Suffocated by smoke	•
1011	may er	west Fittston	benigh vericy heritote oor		from burning breaker	20
	Oct. 2	Otto Red Ash	Cain. Hacker & Cook	Branch Dale	Explosion of gas	5
1873	June 10	Henry Clay	Langdon & Co., R.	Shamokin	Explosion of gas	10
1877	May 9	Wadesville	Wadesville Shaft Colliery	Wadesville	Explosion of gas	7
1878	Jan. 15	Potts	Philadelphia & Reading Coal & Iron Co.	Locust Dale	Explosion of gas	5
1879	May 6	Audenried	Lehigh & Wilkes-Barre Coal Co.	Audenried	Explosion of gas	6
10/9	Nov. 2	Mill Creek	D. & H. Canal Co.	Mill Creek	Explosion of gas	5
1880	May 3	Lykens Valley	Short Mountain & Lehigh Valley Coal Co.	Shamokin	Explosion of gas	5
1882	May 24	Kohinoor	Heckscher & Co., R.	Shenandoah	Explosion of gas	5
1884	May 24 Aug. 21	Buck Ridge	Philadelphia & Reading Coal & Iron Co.	Shamokin	Mine fire	7
1885	Apr. 6	Cuyler	Heaton & Co., S. M.	Raven Run	Fall of roof	10
1000	Aug. 11	West End	West End Coal Co.	Mocanagua	Suffocated by gas from	10
	Aug. II	Mest Eng	West End Coal Co.	mocanaqua	boiler fire	10
	Oct. 21	Plymouth No. 2	D. & H. Coal Co.	Plymouth	Explosion of gas	6
	Dec. 18	Nanticoke No. 1	Susguehanna Coal Co.	Nanticoke	Inrush of guicksand	26
1886		Fair Lawn	Fair Lawn Coal Co.	Scranton		20 6
1000	Aug. 30	Marvine	D. & H. Coal Co.	Scranton	Explosion of gas	8
	Sep. 13			Wilkes-Barre	Suffocated by gas	12
1000	Nov. 26	Conyngham Tunnel	D. & H. Coal Co.	Ashland	Explosion of gas	12
1887	Apr. 27		Philadelphia & Reading Coal & Iron Co.		Suffocated by gas	5.
	Oct. 1	Bast	Philadelphia & Reading Coal & Iron Co.	Big Mine Run	Explosion of gas	
1889	May 9	Kaska, William	L. C. & N. Co.	Middleport	Car fell on cage in shaft	10
1890	Feb. 1	Nottingham	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	8 8
	Mar. 3	S. Wilkes-Barre No. 3	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	
	Apr. 2	Susquehanna No. 4	Susquehanna Coal Co.	Nanticoke	Explosion of gas	5
	May 15	Jersey No. 8	Lehigh & Wilkes-Barre Coal Co.	Ashley	Explosion of g as	26
1891	Feb. 4	Spring Mountain No. 1	Spring Mountain Coal Co.	Jeanesville	Drowned-water from old workings	
	Oct. 23	Richardson	Philadelphia & Reading Coal & Iron Co.	Glen Carbon	Suffocated by gas	7
	Nov. 8	Susquehanna No. 1	Susquehanna Coal Co.	Nanticoke	Explosion of gas	12
1892	Apr. 20	Lytle	Lytle Coal Co.	Minersville	Drowned-water from old workings	
	July 23	York Farm	Lehigh Valley Coal Co.	Pottsville	Explosion of gas	15

ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1967

				Location		Numbe Kille
			-	of colliery	Cause of Accident	Kille
ear	Date	Colliery	Company		111 Class	1
			Langdon & Co., Inc., A. L.	Shamokin	Mine fire	
893	Apr. 1	Neilson	Susquehanna Coal Co.	Nanticoke	Explosion of gas	
	July 22	Susquehanna No. 1	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	1
	Sep. 21	Lance No. 11	Kingston Coal Co.	Plymouth	Fall of roof	
394	Feb. 13	Gaylord	Kingston Loal Co.	Stockton	Explosion of powder & dynamite	
	July 17	East Sugar Loaf	Linderman & Skeer	Shamokin	Mine fire	
	Oct. 8	Luke Fidler	Mineral Railroad & Mining Co.	Shamokin	Boiler explosion	
	Oct. 11	Henry Clay	Philadelphia & Reading Coal & Iron Co.	Mahanoy Plane	Explosion of gas	
395	Feb. 18	West Bear Ridge	Philadelphia & Reading Coal & Iron Co.	Wilkes-Barre	Explosion of gas	
595	Oct. 7	Dorrance	Lehigh Valley Coal Co.	Pittston	Fall of Roof	
~	June 28	Twin	Newton Coal Co.	Wilkes-Barre	Explosion of gas	
896		S. Wilkes-Barre No. 3	Lehigh & Wilkes-Barre Coal Co.	Wadesville	Crosshead fell down shaft	
	Oct. 29	Wadesville	Philadelphia & Reading Coal & Iron Co.	Rendham	Mine fire	
397	Jan. 13	Jermyn No. 1	Jermyn & Co.	Scranton	Mine fire	
	Sep. 28	Von Storch	D. & H. Coal Co.	Middleport	Drowned-water from old working	s
	Oct. 30	Von Storen	Dodson Coal Co.	Wilkes-Barre	Mine fire	
398	May 26	Kaska, William	Lehigh Valley Coal Co.		Car fell on cage in shaft	
	Oct. 1	Midvale	Lehigh Valley Coal Co.	West Pittston	Explosion of gas	
	Nov. 5	Exeter	Mill Creek Coal Co.	Mahanoy City	Explosion of gas	
900	Nov. 9	Buck Mountain	Parrish Coal Co.	Plymouth	Explosion of gas	
901	Oct. 25	Buttonwood	Mineral Railroad & Mining Co.	Shamokin	Explosion of powder & dynamite	•
902	Nov. 29	Luke Fidler	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of powder & dynamite	
	Dec. 9	S. Wilkes-Barre	Philadelphia & Reading Coal & Iron Co.	Mahanoy City	Explosion of powder & dynamite	~
04	Jan. 30	Maple Hill	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of powder & dynamite	c
	May 5	Lance	Lehigh & Wilkes-Barle Coal & Trop Co.	Locust Gap	Mine fire	
	May 5	Locust Gap	Philadelphia & Reading Coal & Iron Co.	Williamstown	Suffocated by gas from	
	May 25	Williamstown	Summit Branch Mining Co.		mine locomotive	
	may 20		a Martine Deilmood Co	Nanticoke	Falling down shaft	
	Nov. 2	Auchincloss	Delaware, Lackawanna & Western Railroad Co.	Minersville	Fall of roof	
0.05	Feb. 18	Lvtle	Lytle Coal Co.	West Pittston	Falling down shaft	
905		Clear Spring	Clear Spring Coal Co.	Wilkes-Barre	Falling down shaft	
	Mar. 9	Convngham	D. & H. Coal Co.	Shenandoah	Explosion of powder & dynamit	e
	Apr. 26	Shenandoah City	Philadelphia & Reading Coal & Iron Co.	Nanticoke	Explosion of gas	
906	May 15	Susquehanna No. 7	Cuseusbanna Collieries COs	Taylor	Explosion of gas	
	Aug. 6		Delaware, Lackawanna & Western Railroad Co.		Explosion of gas	
907	Mar. 2	Holden	Scranton Coal Co.	Priceburg	Explosion of gas	
908	June 18	Johnson No. 1	Temple Iron Co.	Wyoming	Fall of roof	
	May 12	Mount Lookout	Lehigh Valley Coal Co.	Midvale	Explosion of powder & dynamit	te
	May 13	Prospect	Summit Branch Mining Co.	Williamstown	Mine cars	
	July 15	Williamstown	Lehigh Valley Coal Co.	Wilkes-Barre	MINE Cars	
	Aug. 28	Warrior Run	reuidu Agireà cogi cos			

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and the second second

ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1967

				Location		umbet
ear	Date	Colliery	Company	of colliery	<u>Cause of Accident</u> Ki	illeo
909	Mar. 2	Pennsylvania No. 14	Pennsylvania Coal Co.	Pittston	Explosion of gas	
	Nov. 9	Auchincloss	Glen Alden Coal Co.	Nanticoke	Mine fire	·
910	Jan. 11	Nottingham	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	
	Mar. 12	S. Wilkes-Barre No. 5	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	
911	Apr. 7	Pancoast	Price-Pancoast Coal Co.	Throop	Mine fire	7
	May 10	Plymouth No. 5	Delaware & Hudson Co.	Dorrancetown	Suffocated by gas from under- ground fire	
	May 27	Cameron	Mineral Railroad & Mining Co.	Shamokin	Explosion of gas	
	Sep. 12	Marvine	Delaware & Hudson Co.	Scranton	Mine cars	
	Oct. 3	Drifton No. 2	Coxe Bros. Co., Inc.	Freeland	Cave-in	
912	Jan. 9	Parrish	Parrish Coal Co.	Plymouth	Explosion of gas	
913	Aug. 2	East Brookside	Philadelphia & Reading Coal & Iron Co.	Tower City	Explosion of gas	2
.914	May 29	Maryd	Maryd Coal Co.	Maryd	Overwinding of cage	
	Sep. 16	Lehigh No. 4	Lehigh Coal & Navigation Co.	Lansford	Explosion of gas	
	Dec. 9	Diamond	Delaware, Lackawanna & Western Railroad Co.	Scranton	Falling down shaft	1
915	Feb. 17	Prospect	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	1
916	Feb. 8	Lance No. 11	Lehigh & Wilkes-Barre Coal Co.	Plymouth	Explosion of gas	
	Mar. 9	Hollenback No. 2	Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	Explosion of gas	
	Aug. 8	Woodward	Delaware, Lackawanna & Western Railroad Co.	Edwardsville	Explosion of gas	
919	June 5	Baltimore Tunnel	Hudson Coal Co.	Wilkes-Barre	Explosion of powder & dynamite	•
	July 8	Lansford	Lehigh Coal & Navigation Co.	Lansford	Explosion of gas	
921	Mar. 9	Rahn	Lehigh Coal & Navigation Co.	Seek	Explosion of gas	
922	Nov. 3	Eddy Creek	Hudson Coal Co.	Scranton	Premature blast	
923	Feb. 21	Alliance	Alliance Coal Mining Co.	Middleport	Explosion of gas	
	June 26	Richards	Susquehanna Collieries Co.	Mount Carmel	Explosion of gas	
	Dec. 8	Mount Jessup No. 2	Mount Jessup Coal Co.	Jessup	Fall of roof	
924	June 6	Loomis	Glen Alden Coal Co.	Nanticoke	Explosion of gas	
925	May 22	Woodward	Glen Alden Coal Co.	Edwardsville	Explosion of gas	
	Aug. 3	Dorrance	Lehigh Valley Coal Co.	Wilkes-Barre	Explosion of gas	
926	May 6	Randolph	So. Penn Collieries Co.	Port Carbon	Explosion of gas	
	July 3	Pettebone	Glen Alden Coal Co.	Kingston	Explosion of gas	
	Oct. 30	Susquehanna No. 7	Susquehanna Collieries Co.	Nanticoke	Explosion of gas	
927	May 26	Woodward	Glen Alden Coal Co.	Edwardsville	Fall of roof, followed by an explosion of gas	
928	May 25	Baltimore No. 5	Hudson Coal Co.	Wilkes-Barre	Explosion of gas	
930	Aug. 8	Gilberton	Philadelphia & Reading Coal & Iron Co.	Gilberton	Fall of roof	
931	May 29	Richards	Susquehanna Collieries Co.	Mount Carmel	Explosion of gas	
935	Jan. 21	Gilberton	Philadelphia & Reading Coal & Iron Co.	Gilberton	Explosion of gas	
,	May 7	S. Wilkes-Barre	Glen Alden Coal Co.	Wilkes-Barre	Piece of rock fell down shaft, struck cage	

ACCIDENTS IN WHICH FIVE OR MORE PERSONS WERE KILLED, 1847 - 1967

			ACCIDENTS IN WHICH FIVE OR MORE PERSU	NS WERE KILLED, IGHT		
			Company	Location of colliery		Number <u>Killed</u>
Year 1936 1938 1943 1947 1951 1952 1959	Date Aug. 24 Apr. 27 June 2 Sep. 24 Jan. 15 Apr. 10 Dec. 11 Mar. 29 Mar. 27 Jan. 22	Colliery Clear Spring St. Clair Volpe Primrose Nottingham Schooley Franklin Buttonwood Holmes Slope Ewen	Company Sullivan Trail Coal Co. St. Clair Coal Co. Volpe Mining Co. M. & S. Coal Co. Glen Alden Coal Co. Knox Coal Co. Cano & Martin, Inc. Knox Coal Co.	West Pittston St. Clair Pittstown Twp. Minersville Wilkes-Barre Exeter Boro. Wilkes-Barre Hanover Twp. Forrestville Port Griffith	Explosion of gas Explosion of gas Drown - blast blew through to old workings Drown - river broke into mine	5 8 10 14 15 10 8 5 5 12

PRODUCTION TABLE

				ion - net	+		Pounds					
			Product	Sold	Used at		permis-					Non-
		Shipped to		to	collierv		sible ex-	Pounds			Fatal	
		By	By :	local	for steam	Total :	plosives	dynamite	Davia	E-mail		
A A A A A A A A A A	0	: railroad		trade	and heat				Days		acci-	acci-
Operators and Collieries Airport Sand & Gravel Co.	County	: railroad	truck:	trade	and neat	productions	used	used	worked	oyes	dents	dents
	•	188	302	197	1	691 a						
West Wyoming Pit	Luzerne	100	302	197	4	091 a	-	-	-	-	-	-
Altieri & Benzeleski		1.60	r 2	C 11		2 044 1	960	000		1		
Moosic Mountain Strip 117-R1	Lackawanna	469	53	544	-	1,066 ъ	850	200	74	4		· -
Bliss Coal Co.						-1						
Bliss Strip 35-3	Sullivan	-	-	34,171	-	34,171	192,000	2,200	293	8		-
Bliss Cleaning Plant	Sullivan	-	-		-	-			293	3	-	
Total				34,171	-	34,171 c	192,000	2,200		11	-	
Blue Coal Corporation												
Auchincloss Strip 30-41	Luzerne	1,487	667	1,079	1	3,234 d		-	79	*	-	-
Bliss Strip 30-45A	Luzerne	9,892	4,458	7,564	3	21,917 e	118,351	3,100	216	7	-	l
Bristol Strip 30-42	Luzerne	88	36	57		181 d	150	-	8	*		-
Huber Strip 30-49	Luzerne	10,808	4,852	7,845	1	23,506 d	14,200	1,200	109	8	-	-
Huber Strip 30-34A	Luzerne	8,298	3,736	6,290	57	18,381 f		1,650	270	*	-	-
Huber Strip 30-40A4	Luzerne	15,166	6,809	11,008	3	32,986 d	23,500	1,600	270	8	-	-
Loomis Park Strip 30-31A4	Luzerne	12,914	5,798	9,373	3	28,088 d		1,450	205	Ū.	-	-
Loree Strip 30-2A3	Luzerne	7,529	3,380	5,464	í	16,374 d		1,050	167	18	-	-
Middle Road Strip 30-37A	Luzerne	997	LL17	723		2,167 d		650	96	*	-	_
No. 214 Slope 30-38R	Luzerne	7,454	3,345	5.411	2	16,212 d		-	302	12		-
Sugar Notch Strip 30-48	Luzerne	23,208	10,419	16,884	ų	50,515 a		9,743	90	19		_
Sugar Notch Strip 30-13A3	Luzerne	4,969	2,231	3,607	. 4	10,808 d		79145	280			
Sugar Notch Strip 30-50		4, ,007 56	26	36	1	10,000 d		-	200	7		-
	Luzerne	429	193	312	-	93L d		850	20 16	/ *		-
	Luzerne			212					216	8		-
Truesdale Strip 30-43	Luzerne	5,134	2,319	4,068	ĩ	11,522 g		1,150				-
Wanamie Strip 30-23R3	Luzerne	23,125	10,383	16,785	5	50,298 d		-	294	15	-	-
Wanamie Strip 30-17	Luzerne	5,655	2,539	4,104	1	12,299 h		-	-	-	-	-
Wanamie Strip 30-21A5	Luzerne	16,557	7,433	12,017	4	36,011 a		-	294	13		-
Wanamie Strip 30-6R3	Luzerne	680	305	494	-	1,479 d		-	53	3	-	-
Wanamie Strip 30-47	Luzerne	27,807	12,484	20,182	3	60,476 d	123,200	11,907	89	26	-	1
Warrior Run Strip 30-36A	Luzerne	3,590	1,612	2,606	1	7,809 a		850	158	*		-
Total		185,843	83,472	135,909	91	405,315	954,618	35,200			-	2
C. & S. Excavating Co.									····			
Grassy Island Strip 78-6A	Lackawanna	4,527	514	5,278	-	10,319 i	40,000	1,300	93	*	-	-
Grassy Island Strip 78-7	Lackawanna	704	1,041	1,316	-	3,061 j	20,000	700	169	8	-	-
Total	2000 1000 00000	5,231	1,555	6,594		13,380	60,000	2,000				
Carbondale Coal Co.				0,274		19,900	00,000					
Eddy Creek Strip 6h-R2	Lackawanna	28,335	12,984	23,344	6	64,669 k	204,500	14,600	210	10		
Mine Fire Strip 64-1R4	Lackawanna	34,384	39,613	52,598	7	126,602 1		26,440	300	10		ĥ
		54,504	59,015	52,590	1	120,002 1	303,900	20,440				
No. 1 Cleaning Plant	Lackawanna	-	-	-	-	-	-	-	300	5		1
No. 2 Cleaning Plant	Lackawanna								77	*		1
Total	-	62,719	<u>5</u> 2,597	75,942	13	191,271	590,400	41,040		129	-	

District 1

					trict 1	+ 005		Pounds					
			:	1	Sold	Used at		permis-					Non-
			: Shipped to	market :	to	colliery	:	sible ex-	Pounds			Fatal	fatal
			: By	By :	local	for steam	Total :	plosives	dynamite	Days	Empl-	acci-	acci-
Operators and Collieri	es	County	: railroad	truck:	trade	and heat	production:	used	used	worked	oves	dents	dents_
Cicio Coal Co.													
Ontario Strip	96-1	Lackawanna	15	31	128	2	176 m	-	-	-	-	-	-
E. & B. Coal Sales													
Booth Strip	10-1A2	Sullivan	-	-	595	-	595	-	-	143	2	-	-
Booth Cleaning Plant		Sullivan	-	-	-	-	-	-		120	2	-	
Total			-	-	595	-	595 n	~			4	-	-
Lehigh Valley Anthraci													
Baltimore Strip	16-2R4	Luzerne	44,328	71,413	46,634	1,035	163,410 o	-	2,541,425	360	70	-	3
Meg Coal Co.													
Laflin Strip	98-4	Luzerne	-	-	116	-	116 p	-	-	7	2	-	-
Northwest Mining Co.,							-						
Clinton Strip	81-4	Susquehanna	63	91	118	-	272	-	-	64	2	-	-
Edgerton Strip	81-6	Lackawanna	348	515	652	-	1,515	4,250	550	29	*	-	-
Gravity Strip	81-3R3	Lackawanna	1,515	2,213	2,858	-	6,586	64,100	5,860	175	5	-	-
Powderly Strip	81-1R4	Lackawanna	841	1,228	1,587	-	3,656	19,200	1,240	252	6	-	-
Total			2,767	4,047	5,215		12,029 1	87,550	7,650		13		
Pasternak Brothers													
Ontario Strip	21–1R4	Lackawanna	6,554	754	7,596	-	14,904 g	160,000	5,000	300	5	-	-
Scranton Excavating Co									-				
William A. Strip	6-2R3	Luzerne	3,535	7,213	3,745	68	14,561 r		250	134	13	-	-
William A. Strip	6-6	Lackawanna	447	610	1,063	6	2,126 p		· -	50	*	-	1
Total			3,982	7,823	4,808	74	16,687	4,400	250		13	-	1
Slenska, Michael											_		
Archbald Strip	75 -1 R3	Lackawanna	22	45	189	3	259 s		550	84	2		
District Tot	al		312,118	222,092	318,638	1,222	854,070	2,049,818	2,635,515	263	409	-	12

NOTE:

- * Workmen transferred to other operations of the same company.
 (a) Coal recovered during excavation of sand and gravel prepared at Harry E. Breaker District 13.
 (b) All coal prepared at Pompey Breaker District 10
 (c) All coal prepared at Bis crushing plant and sold to local power plants.
 (d) All coal prepared at Huber Breaker District 13.
 (e) 21,380 tons prepared at Huber Breaker District 13.
 (f) 17,951 tons prepared at Loree Breaker District 13.
 (g) 11,043 tons prepared at Huber Breaker District 13.
 (g) 11,043 tons prepared at Loree Breaker District 13.
 (h) Stock coal mined in 1965 prepared at Huber Breaker District 13.

(1) 10,275 tons prepared at Pompey Breaker - District 10.
(1) tons prepared at Penbrook Breaker - District 10.
(3) All coal prepared at Raymond Breaker - District 10.
(4) 60,328 tons prepared at Huber Breaker - District 13.
3,637 tons prepared at Taylor Breaker - District 13.
1275 tons prepared at Taylor Breaker - District 13.
129 tons prepared at Huber Breaker - District 13.
19,214 tons prepared at Loree Breaker - District 13.
19,214 tons prepared at Loree Breaker - District 13.
19,214 tons prepared at Raymond Breaker - District 13.
52,091 tons prepared at Taylor Breaker - District 13.
53,363 tons prepared at Taylor Breaker - District 13.
(m) Stock coal mined in 1965 prepared at Ace Breaker - District 13. District 10.

Operators and Collieries NOTE: (n) All coal prepared (o) All coal prepared (q) L11 coal prepared (q) L19 tons prepared a 55 tons prepared a L1,720 tons prepared a	at Kassa at Ace Br	Cleaning Plant. E. Breaker - District Breaker - District eaker - District L Preaster - District	0. et 10.	:	ct 1 on - net ' Sold to local trade	Used at colliery for steam and heat	: pe: : sil Total : pl production: us (r) 9,414 tons p	prepared prepared	at Harry E. at Taylor Bu	worked Breaker	Empl- acci oves dent District 1 District 1	<u>s de</u> 13. 3.	tal
				Dist	rict 2		<u>,</u>						
Brook Contracting Corp.	86-1	Schuylkill	9,970	10,179	1,846	-	21,995 a	-	89,320	306 262	22 26	-	-
Oneida Strip Gowen Coal Co. Gowen Buck Mountain Strip	38-6	Columbia	44,347 7,613	-	12,660 2,060	-	57,007 9,673		5,900 600 6,500	232	<u>4</u> 30		
Derringer Buck Mt. Strip Total	38-7	Luzerne	51,960	-	14,720		66,680 b			246	113	_	16
Greenwood Stripping Corpora Greenwood Mammoth Strip Greenwood Orchard Strip No. 10 W.L. Mammoth Strip Wildip Orchard Strip Wildip Orchard Strip Lansford Primrose Strip Lo-N-2 Mammoth Strip L-2 Primrose Strip 5-N-2 Mammoth Strip	33-4 33-4	Schuylkill Carbon Schuylkill Carbon Carbon Carbon Carbon Carbon Carbon Carbon Carbon Carbon	150,389 36,191 7,141 23,350 21,974 36,111 2,710 59,657 1,042 6,723 21,022	77,477 18,645 3,679 12,029 11,320 18,604 1,396 30,734 537 3,464 10,830	24,338 5,856 1,155 3,779 3,556 5,844 439 9,654 169 1,088 3,402 59,280	701 - - - - - - - - - - - - - - - - - - -	252,905 60,692 11,975 39,158 36,850 60,559 4,545 100,045 11,275 35,254 615,006 c		1,972,690 252,400 	246 152 99 289 287 199 63 300 25 69 262	32 3 12 12 * 20 37 10 20	-	10 - - - - - - - - - - - - - - - - - - -
Primrose C.B. Strip Total Honeybrook Mines, Inc. Humboldt Strip Audenried S.B. Strip Audenried N.B. Strip	53-2 53-3 53-4	Luzerne Schuylkill Schuylkill	366,310 8,757 118,547 17,548 144,852	188,715 2,915 39,463 5,842 48,220	1,307 17,694 2,619 21,620		12,979 175,704 26,009 214,692 d		394,450 1,407,400 <u>307,100</u> 2,108,950	184 227 25	87) 	-	1 4 - 5
Total Huss, George E-30 Buck Mountain Strip E-28 Wharton Strip Buck Mountain Strip Buck Mountain Strip Freeland Strip Buck Mountain Strip	57-5 57-6 57-8 57-11 57-12 57-13	Luzerne Luzerne Luzerne Luzerne Luzerne Luzerne	50,980 5,934 674 2,023 5,125 2,698 67,434	22,031 2,581 387 864 2,235 1,211 29,309	2,467 332 35 161 307 129 3,431		8,847 f 1,096 f 3,048 g 7,667 f 4,038 f		122,100 17,500 1,860 7,518 15,200 9,100 173,278	78 11 32 4- 33		-	
Total Jeddo-Highland Coal Co. J-41 Strip	22-8	Inzerne	1,699	1,050	402	2 19	9 3,170 h	-) 2	9 12	-	-

				Dis	strict 2								
				Produc	tion - net	tons		Pounds					
			1 . Chiling 1 .	•	Sold	Used at		permis-					
_			s Shipped to By	<u>market</u> :		colliery		sible ex-	Pounds			_	Non-
Operators and Collieries Jeddo-Highland Coal Co. (Con		County	:railroad	By :		for steam	Total :	plosives	dynamite	Davs		Fatal	fatal
J-43 Strip	ntinued)		• Idillodo	truck:	trade	and heat	production:	used	used	worked	Empi-	acci-	acci-
	22-8	Luzerne	155,766	126,092	33,770				daeu	worked	oves	dents	dents
	22-8	Luzerne	204,933	196,532	41,266	2,299	317,927 i	-	8,376,063)	351	66		-
	22-8	Luzerne	10,847	12,943	1,922	3,576	446,307 ј	-)	353		-	. 1
Total Kassa Coal Co.		•	373,245	336,617	77,360	235	25,947 k	-	í	88	14	-	2
· · ·		-			11,000	6,129	793,351		8,376,063		- 171		<u> </u>
Lehigh Valley Anthracite, In	44-1	Carbon	-	410	90								
Stockton Basin Strip	10.			410	90	-	500 1		2,000	44	2		
Meadow Coal & Excavating Co.	16-8	Luzerne	19,606	24,494	3,360				,	44	2	-	-
				-494/4	000	445	47,905 m	-	928,647	134	15		6
Winnhall at The I and the	89-3	Schuylkill	1,098	769	1,459					1)4	15	-	0
Total	89-4	Luzerne	-	976	3,902	-	3,326 n	-	1,200)	158	6)		
Totar			1,098	1,745	5,361		4,878 0		· · ;	112	Š	_	-
District Total					29,01		8,204		1,200		<u> </u>		
DESCRIPTION TO CAL			1,034,475	639,689	187,068	7,455	1 969 (05						
		2			101,000	(,455	1,868,687	- :	15,183,058	243	663	-	36
 NOTE: * Men transferred fr. (a) 17,653 tons prepared 4,312 tons prepared a (b) All coal prepared a (c) All coal prepared a (d) All coal prepared a (e) 10,599 tons prepared 65,059 tons prepared (f) All coal prepared a (g) 1,125 tons prepared 1,923 tons prepared (h) All coal prepared a 	ed at Blas d at Honey at Gowen F at Greenwo at Honeybr ed at Beak at Buckley d at Honey d at Honey	schak Breaker - D rbrook Breaker - Distric bod Breaker - Distric bod Breaker - Dist vook Breaker - Dist rerbrook Breaker - Distri brook Breaker - Distri brook Breaker - I	District 15. t 15. trict 18. strict 15. - District 15. strict 15. Let 15. District 15.				(j) 175,719 + 270,588 + (k) 1,795 tor 24,152 to (1) All coal (m) All coal (n) 1,639 tor	tons prepar tons prepared is prepared prepared a prepared a s prepared s prepared	red at Jeddo red at Hazlet at Jeddo No at Hazleto No t Kassa Brea t Hazleton S at Honeybro at Honeybro	No. 7 Br on Shaft • 7 Breal n Shaft 1 ker - Dis haft Breas ok Breake	Breake eaker - Breake ker - I Breaker strict iker - er - Di	r - Di Distr: r - Dis istric - Dis 13. Distric strict	strict ict 15. st. 15. st. 15. s. 15.
Bridy, Incorporated				Dist	rict 3								
Burnside Strip * 3	1-6	Northumberland											
Buck Coal Co.		the stranger rand	-	99	-	-	99 a	_		25			
Aristes Strip 4	9-1	Columbia							-	15	2	-	-
Capparell Stripping & Construct	ction Co.		-	7,682	-	-	7,682 ъ	_	2,950	000			
Koninoor Strip 1	9-1	Schuylki11					.,		2,900	280	2	-	-
		Schuylkill	-	38,457	-	-	38,457	_	307,500	206	56		
Total		~		11,238		-	11,238	_	71,600			-	1
Conyngham Contracting Co., Inc	•	-		49,695		-	49,695 c		379,100	113	20		
		Columbia	-	2,212					2179100		76		1
				212 62	-	-	2,212	-	36,000	63	12)		
									2.,500	0)	12)	-	

-

Distant of a

				Dist	rict 3						,		
				Product	ion - net	tons		Pounds					
		,			Sold	Used at	:	permis-					Non-
		1	Shipped to	market :	to	colliery	:	sible ex-	Pounds		Fa	ital	fatal
			By	By :	local	for steam	Total :	plosives	dynamite	Days	Empl- ac	ci-	acci-
Operators and Collieries	e .	County :	railroad	truck:	trade	and heat	production:	used	used	worked	oves de	ents	dents
Conyngham Contracting Co	o. Inc. (Cont												
Germantown Strip *	91-5	Columbia	~	8,694	-	-	8,694	-	7,000	129)	-	-
Potts Strip	91-6	Columbia	-	9,419	-	-	9,419	~	10,000	188	ý	-	-
Potts Strip	91-7	Columbia	~	18,852	-	_	18,852	-	36,000	191	12)		-
Alaska Strip	91-8	Nor thumber land	-	3,150	-	-	3,150	-	34,000	42	12) 16	-	-
Total	/= -		-	42,327	_		42,327 d		123,000		40		-
Folger & Chapleski													
Henry Clay Strip	119-1	Northumberland	-	5,000	-	_	5,000		13,825	285	2	-	-
Excelsior Strip	119-2	Northumberland	-	3,695	-	-	3,695	-		285	2	-	-
Total	11/	Nor Manda Land		8,695			8,695 e		13,825		<u> </u>		
Gilberton Coal Co.				-,-,,									
Hunter Tunnel Strip *	39-2	Schuylkill.	-	16,417	-	-	16,417	-	120,618	138	11	-	-
Bast Strip *	39-3	Schuylkill	-	97,751	-	-	97,751	-	200,000	202	70	-	1
Total	J/~J	bondy Intil		114,168			114,168 f		320,618				1
Glenn Brass Coal Co.													
·West Cameron Strip	106-5	Northumberland	_	1,586	-	-	1,586 g	_	550	126	2	-	-
Glosek Brothers Coal Sa		Hor office of Lond		_,,			-,,,, - 6						
Burnside Strip	45-8	Northumberland	· _	2,440	_	-	2,440	~	2,200	175	3)	-	-
Big Mountain Strip	45-9	Northumberland	-	560(st	tock)-	_		-		62		-	_
Total	42 7			2,440			2,440 h		2,200		3		_
Howells, T. S. & Olaf,	S. Stripping (<u>.</u>				•	- ,						
Hickory Ridge Strip *		Northumberland	-	2,752	-	-	2,752	-	-	159	2)	-	-
Marion Heights Strip	<u>й-8</u>	Nor thumber land	-	809	-	-	809	-	-	35	-3	-	-
Total	4 0			3,561			3,561 b				<u>2</u>		-
Jet Coal Co.						······································							
Richards Strip	3-5	Northumberland	-	2,300	_	-	2,300	-	-	150	2	_	_
Richards Strip	3-6	Northumberland	-	2,450	_	-	2,450	-	-	ĩĩo	2	-	-
. Total	J=0	NOT DITUMPED AGING		4,750		·	4,750 ъ				<u> </u>		
Kerris & Helfrick, Inc.						·	4,120 0				7		
Morris Ridge Strip	7-1	Columbia	-	56,215	_	-	56,215	-	-	251	9	-	-
Stuartsville Strip *	7-4	Northumberland	-	73,922	-	_	73,922	-	20,000	229	12	-	1
Edgewood Strip	7-11	Northumberland	-	62,785	_	-	62,785	-	15,696	241	9	-	_
Maysville Strip	7-13	Northumberland	-	7,568	-	-	7,568	-		37	<u>(</u> وَ	-	-
Maysville Strip *	7-14	Northumberland	-	11,359	-	-	11,359	-	-	81	1	-	-
Maysville Strip	7-15	Northumberland	-	8,394	-	-	8,394	-	-	83	í	~	1.
Stuartsville Strip	7-16	Northumber land	-	14,302	-	-	14,302	_	10,726	41	7	-	-
Total	, 1			234,545		·	234,545 i		46,422		<u>i</u> 6		2
Lehigh Valley Anthracit	e, Inc.			,,,,42			-249242 1		4-94-5		40		
Continental Strip	16-9	Columbia	16,926	7,157	3,007	74	27,164	-	327,701	298	22	-	2
Germantown Strip	16-12	Columbia	83,162	35,166	14,774	364	133,466	-	1,743,793	296	76	-	ī
				<i></i> ,	,,,4	554	1),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-, 142, 172	2,0	1-		-

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TH WAS SUCCESSIVE TO STREET

ar yr

				Dis Product	trict 3	tons							
			Shimmad 4		Sold	Used at		Pounds permis-					
			By	<u>o market</u> : By :	to.	colliery	;	sible ex-	Pounds				Non-
Operators and Collierie	es	County	railroad	truck:	local	for steam	Total :	plosives	dynamite	Days		Fatal	fatal
Lehigh Valley Anthracit Girard Strip	ce, Inc. (Con	tinued)		CLOCK:	trade	and heat	production:	used	used	worked	Empl-		acci-
Primrose Strip	16-10	Schuylkill	75,107	31,760	13,343	2.00				worked	oyes	dents	dents
Copley-Buck Strip	16-14	Schuylkill	93,916	39,713	16,685	329	120,539	-	665,883	292	27		1
Mammoth-Buck Strip	16-16	Schuylkill	515	218	10,005 92	411	150,725	-	1,877,017	301	39	-	. 1
Total	16-17	Schuylkill	245	104	1 <u>1</u> 1	2	827	-	98,700	25	<u>í</u> 3	-	. 4
Long Coal Co., Millard			269,871	114,118	47,945	1,181	394		165 , 336	25	16	_	
Kulpmont No. 1 Strip	129-1					10101	433,115 j		4,878,430		193		8
North Line Coal Co.	129-1	Northumberland	-	3,288	-	-	3,288 k						<u> </u>
Burnside Strip	52-1	Northumberland					J,200 R	-	• ~	210	4	-	-
R. B. F. Coal Co.	72-1	Nor usumber land	~	22,548	-	-	22,548 1			_			
Edgewood Strip	107-6	Namthurd					240 1	-	91,950	282	12	-	2
Hickory Swamp Strip	107-7	Northumberland Northumberland	-	26,949	-	~	26,949						
Total		Nor chumberland	~	2,061	-	~	2,061	-		249	8	l	-
Reading Anthracite Co.				29,010	-		29,010 m			17	4		-
Knickerbocker M-112 S	trip 23-8	Schuylkill	19 651				C/ 010 M		<u>=</u>		12	1	-
Knickerbocker M-112 A	23-9	Schuylkill	48,774	16,873	32,967	-	98,614	-	2,001,912	- 00			
Trevorton S-5 Strip	23-12	Northumberland	6,418	2,226	4,347	-	12,991	-	732,940	288	33	-	-
Total	-	Her mander Hard		2,371	14,405	-	62,731	_	570,450	75 288	10	-	-
Rosini Coal Co.			101,141	21,470	51,719	-	174,336 n		3,305,302	200			2
R-16 Strip *	47-16	Nor thumberland	· _ ·	19,683					2,002,002		73	-	2
R-19 Strip *	47-19	Northumberland	<u>-</u>		-	-	19,683	-	30,300	70	(דר ·		_
R-20 Strip *	47-20	Northumberland	-	21,688 10,062	-	-	21,688	-	30,000	75	14)	-	1
R-21 Strip *	47-21	Nor thumberland	-	7,540	-	-	10,062	-	300	65		-	-
Total S. & D. Coal Co.				58,973			7,540	-	-	70		-	-
Hickory Swamp Strip							58,973 o	-	60,600		<u>11</u>		<u> </u>
S. & S. Contracting Co.	127-1	Northumberland	-	5,000									<u>+</u>
Coal Run Strip *	700 0			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	-	5,000 ъ	-	10,000	200	2	_	
Sayre Strip *	109-3	Northumberland	~	110	_						-		-
Midvalley No. 1 Strip*	109-4	Nor thumber land	-	2,097	_	-	110	-	-	13	3)	_	-
Midvalley No. 2 Strip	109-6	Columbia	-	1,024	~	-	2,097	~	-	124	Ĩ	-	-
Total	109-0	Northumberland	_	1,015	-	-	1,024 1,015	-	~	66	ý	-	-
Sanchez Construction Co.				4,246			4,246 p			81	j	-	-
Logan Strip	128-1	Columbia					4,240 p				3	-	_
Centralia Strip	128-2	Columbia	-	37,686	~	-	37,686		16				
Total		cormupia .		36,245	· -	-	36,245	-	46,000	242	7	-	-
Savitski Brothers Coal Sa	ales			73,931	_		73,931 q		50,000	161	6	-	-
Roaring Creek Strin	76-5	Nor thumber land					10970± 4		96,000		13	-	-
Split Vein Coal Co. Inc.		nor winningt, Tallo	-	1,763	-	-	1.763 r	_		225			
Henry Clay Strip	113-3	Northumberland		07.0			-,, 1	-	-	115	3	-	-
			-	718	-	-	718	-	3,000	20	2)		
									2,000	39	2)	-	-

					ict 3 ion - net	tons		Pounds					
		1		: o_market_:	Sold to	Used at colliery	:	permis- sible ex-	Pounds		. .	Fatal	Non- fatal
Operators and Collieries		County1	By 	By : truck:	local <u>trade</u>	for steam and heat	Total : production:	plosives used	dynamite <u>used</u>	Days worked		acci- dents	acci- dents
Split Vein Coal Co. (Con	tinued)												
Maysville Strip *	113-7	Northumberland	-	9,269	-	-	9,269	-	-	191) -	-
Henry Clay Strip	113-8	Northumberland	-	2,078	-	-	2,078	-	-	64	2	-	-
Total				12,065	-	-	12,065 s	-	-		4	-	-
Zanella Bros.											~		
Luke Fidler Strip	123-1	Northumberland		2,892			2,892 t			79	2	=	<u> </u>
District Total			371,018	818,852	99 , 664	1,181	1,290,715	, -	9,333,947	223	597	1	17

NOTE: * Strippings were abandoned in 1967.

- * Strippings were abandoned in 1967.
 (a) All coal prepared at Atlas Washery District 20.
 (b) All coal prepared at D. & Z. Breaker District 21.
 (c) All coal prepared at Rosa Breaker District 26.
 (d) 26,851 tons prepared at Glen Burn Breaker District 20.
 (j, 22 tons prepared at Mudry Bros. Breaker District 20.
 (j, 22 tons prepared at Savitski Breaker District 20.
 (a) L coal prepared at Savitski Breaker District 20.
 (b) All coal prepared at Blaschak Breaker District 20.
 (c) All coal prepared at Blaschak Breaker District 27.
 (c) All coal prepared at Blaschak Breaker District 17.
 (c) All coal prepared at Sunshine Breaker District 26.
 (g) All coal prepared at Closek Breaker District 28.
 (h) All coal prepared at Closek Breaker District 28.
 (h) All coal prepared at Closek Breaker District 28.
 (j) All coal prepared at Closek Breaker District 28.
 (j) All coal prepared at Glene Burn Breaker District 20.
 (j) All coal prepared at Glene Burn Breaker District 20.
 (j) All coal prepared at Glene Burn Breaker District 20.
 (j) All coal prepared at Blamonth Breaker District 20.
 (j) All coal prepared at Blamonth Breaker District 20.
 (j) All coal prepared at Blamonth Breaker District 20.
 (j) All coal prepared at Blamonth Breaker District 20.
 (j) All coal prepared at Blamonth Breaker District 20.
 (j) Hons prepared at Blamonth Breaker District 20.
 (j) tons shipped to Pennsylvania Fower & Light Plant 3,564 tons prepared at Baylit Vain Breaker District 20.
 (j) tons prepared at Blamonth Breaker District 20.
 (j) tons prepared at Diminick Breaker District 2

(n)	111,605 tons prepared at New St. Nichol	as Breaker - Dist.19
	62,731 tons prepared at Trevorton Break	er - District 17.
(_)	All and monared at Cambon Bun Brooken	Dietmiat 21

- 62,731 tons prepared at Trevorton Breaker District 17.
 (o) All coal prepared at Carbon Run Breaker District 24.
 (p) 2,500 tons prepared at D. & Z. Breaker District 24.
 The tons prepared at Glen Burn Breaker District 24.
 (q) 27,265 tons prepared at Madry Bros. Breaker District 24.
 (q) 27,265 tons prepared at Legal Breaker District 26.
 36,228 tons prepared at Masmoth Breaker District 26.
 (a) 1,328 tons prepared at Glen Burn Breaker District 26.
 (b) All coal prepared at Glen Burn Breaker District 26.
 (c) All coal prepared at Savitski Breaker District 20.
 (s) All coal prepared at Savitski Breaker District 24.
 (t) 1,954 tons prepared at Atlas Washery District 20.
 (c) 36 tons prepared at Mudry Bros. Breaker District 24.

Anthracite Fine Coals,	The			Dis	trict 4								
Sherman Mountain Stri		Schuylkill	-	-	-	-	-	-	-	74	5	-	-
Bell Coal Co.													
Bell Strip	121-2	Schuylkill	1,670	2,230	5,402	43	9,345 a	-	-	220	2	-	-
Bernitsky Brothers Coal													
Bernitsky Strip	112-2	Schuylkill	-	214	856	-	1,070 в	-	-	200	1	-	-

			Production - net tons										
				Product				Pounds					
			1	:	Sold	Used at	:	permis-					Non-
				<u>o market</u> :	to	colliery	:	sible ex-	Pounds			Fatal	fatal
0			з Ву	By a	local	for steam	Total :	plosives	dynamite	Days	Empl-	acci-	acci-
Operators and Collieries		County	: railroad	truck:	trade	and heat	production:	used	used	worked	_oves	dents	dents
Blue Bell Enterprises, Inc.													
New Philadelphia Strip	14-2	Schuylkill	6,212	7,320	6,130	82	19,744 с	68,000	1,490	242	5	-	-
C.L.S. Coal Co.							_						
Tracy Strip	125-1	Schuylkill	178	11,798	422	-	12,398 d	-	-	182	4	-	-
Dando & Troup Coal Co.													
Scott Strip	34-2	Schuylkill	1,620	2,240	5,550	56	9,466 e	7,500	~	246	2	-	-
Kerrigan Coal Co., Inc., Paul													
West Gold Strip	102~5	Lebanon	-	2,360	340	-	2,700 f	-	-	18	5	-	-
Kocher Coal Co., Leon E.										_			
Sherman Mountain Strip	90~6	Schuylkill	-	-	-	-	1,772	·· - ·	-	28	4		-
Porter Tunnel Strip	90-7	Schuylkill	-	-	-	-	30,103	552,295	-	70	10		-
Porter Tunnel Strip	90-8	Schuylkill		-	-	-	44,120	-	-	85	12		-
Total			27,212	36,418	12,220	145	75,995 g	552,295	-		26	-	
Krell Coal Co., Philip													
Orchard Strip	61-3	Schuylkill	-	-	-	-	-	-	-	40	1	-	-
North East Mining Co.													
North East Strip	130-1	Schuylkill	4,820	5,412	13,320	74	23,626 h	-	-	172	5	-	-
Phoenix Contracting Co.													
Phoenix Strip	131-1	Schuylkill	-	-	-	-	· -	-	-	40	3	-	-
Reading Anthracite Co.													
Mount Laffee P-49 Strip	23-1R	Schuylkill	9,071	3,145	6,144		18,360	-	-	149	1	-	-
Oak Hill P-47 Strip	23-3	Schuylkill	· · · ·	-	· -	-	-	-	-	297	1	-	-
Wadesville P-33 Strip	23-4	Schuylkill	35,974	12,470	24,366	-	72,810	3,040,094	-	242	56		9
St. Clair P-48 Strip	23-5	Schuylkill	121,139	41,991	82,051	-	245,181	4,904,426	2,500	289	103	-	8
St. Clair P-44 Strip	23-6	Schuylkill	-	-	-	-	-	· · · -	· -	297	1		-
St. Calir P-44A Strip	23-7	Schuylkill	-	-	-	-	-	-	-	25	1	-	-
Buck Run P-45 Strip	23-11RA	Schuylkill	5,502	1,907	3,726	-	11,135	85,768	-	75	28	-	-
Pine Knot P-39 Strip	23-14	Schuylkill	-	· -	-	-	_	-	-	297	1	-	-
Buck Run P-45A Strip	23-15	Schuylkill	46,288	16,046	31,352	-	93,686	2,230,731	-	289	28	-	5
Potts-Bannan P-50 Strip	23-16	Schuylkill	98,939	34,297	67,013	-	200,249	653,791	-	287	22	-	1
Total	-	•	316,913	109,856	214,652	-	641,4211	10,914,810	2,500		242	-	23
Schuylkill Contracting Co.											<u> </u>		
Mammoth & Holmes Strip	36-3	Schuylkill	-	-	-	-	1,985	267,420	-	28	7	-	1
Buck Run Strip	36-4	Schuylkill	-	-	-	-	23,929	150,530	-	1µ0	20		-
Glendower Strip	36-5	Schuylkill	-	-	-	-	13,091	-	-	77	16	-	-
Total			14,960	13,912	10,133		39,005 j	417,950			43		1
Swatara Coal Co.					,								
Primrose Basin Strip	70-1R	Schuylkill	-	-	-	-	2,822	-	-	192	2	-	-
Mammoth Strip	70-2	Schuylkill	-	-	-	-	27,864	92,476	1,714	257	16	-	-
Swatara Falls Mammoth Strip	70-3	Schuylkill	-	-	-	-	8,958	26,501	427	162	8	-	1
							-,,,,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			-		

District 4

			<u>rict 4</u> ion - net			Pounds					Nón-
Operators and Collieries County	: <u>Shipped to</u> : By : railroad	market By : truck:	Sold to local trade	Used at colliery for steam and heat	: : Total : <u>production:</u>	permis- sible ex- plosives used	Pounds dynamite used	Days worked	Empl- a	acci-	fatal acci-
Swatara Coal Co. (Continued)			_	_	-	-	-	60	2	-	1
Primrose Strip 70-4 Schuylkill Total	21,786	10,218	7,514	126	39,6ЦЦ 1	118,977	2,141		28	-	2
Tropp Stripping Co., Lawrence Tropp Strip 1-1(A-1) Schuylkill	4,120	14,230	3,941	32	22,323	L <u></u>		110	3		
District Total	399,491	216,208	280,480	558	896,737	12,079,532	6,131	207	375	-	26
 NOTE: (a) 3,628 tons prepared at Black Heath Break 1,220 tons prepared at Live Oak Breaker 321 tons prepared at B. & N. Breaker - I 358 tons prepared at J. & E. Breaker - I 89 tons prepared at Jelen Worth Breaker 3,729 tons prepared at Diamond Breaker - (b) All coal prepared at Diamond Breaker - 5,142 tons prepared at Silver Creek Breaker 98 tons prepared at Silver Creek Breaker 7,876 tons prepared at Silver Creek Breaker 135 tons prepared at Schmeck's Breaker (b) All coal prepared at Monle Spring Breaker (c) 2,000 prepared at Monle Spring Breaker 	- Instrict 19. Nistrict 18. District 18. District 20. District 20. District 24. Nistrict 18. District 18. District 20. District 20.	8.			(g) All (h) 12,2 5,88 3,56 1,03 886 (i) All (j) All (k) All (k) All	coal prepare coal prepare 57 tons prepa 9 tons prepa 3 tons prepare coal prepare coal prepare coal prepare 20 tons prepa 3 tons prepa	d at Kocher ared at Bla red at J. & red at Fran red at Silv d at Miners d at New Sin d at Marlin d at Swatar ared at J.	Breaker ck Heath E. Break klin Break er Creek ville Break Nichola Breaker a Breaker & E. Break	- Distr Breaker Aker - Di Breaker - Breaker - as Break - Distr r - Dist	det 30 - Dis strict Nistric - Dis Distri cer - I rict 19 trict 2 Distric	t. 19 5 18. 5t 30. 5t. 18. 5t 19. Dist. 19 21. 5t 18.

NOTE: (a) 3,628 tons prepared at Black Heath Breaker - District 19. 1,220 tons prepared at Live Oak Breaker - District 19. 321 tons prepared at J. & E. Breaker - District 18. 358 tons prepared at J. & E. Breaker - District 10. 89 tons prepared at Glam Worth Breaker - District 20.
(b) All coal prepared at Diamond Breaker - District 20.
(c) 5,593 tons prepared at J. & Z. Breaker - District 18. 998 tons prepared at Silver Creek Breaker - District 18. 998 tons prepared at B. & N. Breaker - District 20.
(d) All coal prepared at B. & N. Breaker - District 18. 998 tons prepared at B. & N. Breaker - District 18. 998 tons prepared at B. & N. Breaker - District 18. 998 tons prepared at B. Schneck's Breaker - District 10. 135 tons prepared at Minersville Breaker - District 19.
(e) 2,400 tons prepared at Manersville Breaker - District 19. 2,300 tons prepared at Legal Breaker - District 19. 2,800 tons prepared at Legal Breaker - District 19. 1416 tons prepared at Legal Breaker - District 19. 1400 tons prepared at Legal Breaker - District 19. 1400 tons prepared at Legal Breaker - District 19. 1410 tons prepared at Kapel Breaker - District 19. 1410 tons prepared at Legal Breaker - District 19. 1410 tons prepared at Kapel Breaker - District 19. 1410 tons prepared at Glan-Worth Breaker - District 19.

- (i) (j) (k) (1)

110 tons prepared at Glen. Worth Breaker - District 19. District 10 Ace Anthracite, Inc. Eddy Creek Bank 290 2,300 100 2,400 Lackawanna bk 290 Lackawanna Ace Cleaning Plant В 2,400 a 100 2,300 Total Ace Coal Co. 1 97 9 Ace Breaker Blue Coal Corp. _ _ _ _ _ в Lackawanna 258 13 _ _ ---Bag Plant Coalbrook Iron & Metals Lackawanna 5 11,232 Ъ 92 2,379 bk Lackawanna 1,180 7,673 -Coalbrook Bank Coalbrook Sales Co. Cedar Avenue Mine Fire Purchased U. S. Government 315 47 411 в _ μ9 bk Lackawanna

					<u>ict 10</u> ion - net		Pounds						
		:		:	Sold	Used at		permis-					Non-
		1	Shipped to		to	colliery	:	sible ex-	Pounds			Fatal	
0		County	By railroad	By : truck:	local trade	for steam and heat	Total : production:	plosives used	dynamite used	Days worked	Empl-		acci- dents
Operators and Collieries DeAngelis, Inc.		Lounty	raiiroad	LFUCK:	trade	and near	productions	Useu	0580	worked	oves	dents	dents
Bolands Breaker Glenmore Colliery, Inc.	В	Lackawanna	-	-	-	-	-	-	-	153	11	-	1
Olyphant Bank	bk	Lackawanna	2,639	3,831	10,575	-	17,045	-	_	121	6	-	· _
Olyphant Cleaning Plant	B	Lackawanna	-	-	10,777	_		-	-	130	15	_	1
Total	-		2,639	3,831	10,575		17,045 c	-	-		21	_	<u>î</u>
Matisko Coal Co.													
Matisko Bank	bk	Susquehanna	-	-	97	-	97	-	-	.20	1	-	-
Matisko Sizeing Plant		Susquehanna			-		-	-		20	2	-	-
Total				-	97		97 d				3		-
Northwest Mining Co., Inc.				- (1			1.00				-		
Gravity Colliery Marvine Retail	DM BP	Lackawanna Lackawanna	113	164	212	-	489	150	-	125	1	-	-
Raymond Breaker	ВР		-	-	-	-	-	-	-	301 226	16	-	2
Total	в	Lackawanna		164	- 212			150		220	23 1.6		
Opalka Brothers			<u></u>	104	212		409 8	1.50			40		·
Bolands Colliery	DM	Lackawanna	182	829	727	5	1,743 f	800	1,050	189	6	· _	-
Panzitta Construction Co.	2	Laonandana		/	1-1	-	-9149 1		2,000	20)			
Ontario Colliery	DM	Lackawanna	. 347	699	2,988	54	4,088 g	3,500	-	146	15	-	
Penbrook Coal Co.			-					-					
Penbrook Bank	bk	Lackawanna	3,346	-	-	· -	3,346	-	-	161	2	-	-
Penbrook Breaker	BP	Lackawanna	<u> </u>	-	-		-		-	161	5	-	-
Total			3,346		-		3,346 h				7		-
Pennsylvania Coal Co.													
Maintenance Pompey Coal Co.	М	Lackawanna	-	-	-	-	-	-	-	253	2	-	-
Pompey Bank	bk	Iackawanna	3,616	258	2,626		6,500			89	, c		
Pompey Breaker	B	Lackawanna	5,010	290	2,020	-	0000	-	-	221	18	-	2
Total	D	nacrawantia	3,616	258	2,626		6,500 i				23		2
Rider Coal Co.													
Olyphant Colliery Waddell Coal Mining Co., Inc.	DM	Lackawanna	3,185	362	3,691		7,238 j	* 5,000	1,000	92	22	-	· -
Waddell Silt Pond Bank	bk.	Lackawanna	4,750	-	-	-	4,750	-	-	157	2	-	-
Waddell Washery	W	Lackawanna	-,,150	-	-	-	4,150	-	-	157	5	-	-
Total			4,750	-	-	-	4,750 k		_		7	-	
District Total			19,407	14,131	25,642	159	59,339	9,450	2,050	173	194	-	7

NOTE: (a) All coal prepared at Ace Cleaning Plant. (b) All coal prepared at Bolands Breaker.

Operators and Collieries NOTE: (c) All coal prepared at Olyphant Fuel Co. tray in August, 1967. Oly 72 days, same men. (d) All coal prepared at (e) All coal prepared at (f) 165 tons prepared at 995 tons prepared at	Olypha nsferr phant Matisk Raymon Ace Br Boland	<u>County</u> : int Cleaning Plant ed to Clemmore Col produced 11,732 to o Sizeing Plant. d Breaker. eaker. s Breaker.	Shipped to m By railroad liery, Inc. ns, worked	Productio	ict 10 on - net Sold to local trade	Used at colliery for steam	: Total : production: (g) All coal (h) All sild (i) 6,150 ta 350 tom (j) All coal Mine ab	prepared a prepared a ons prepared	t Ace Breake at Waddell Wa at Pompey H at Waddell Wa at Pompey Bre 1967.	worked er. ashery. Breaker. ashery.	Empl-		Non- fatal acci- dents
283 tons prepared at	Penbro	OR Dreaker .											
Bartoli Construction Co.				22,313	<u>trict 11</u>	_	22,313 a		-	237	3	-	-
Nanticoke Bank	bk	Luzerne	-	22,525			r0 070 1		_	128	11	. –	-
Blue Coal Corporation Avondale Bank	bk	Luzerne	8,803	4,018	6,315	39,676	58,812 b 2,874 c		_	31	12	-	-
- Huber No. 132 Slope	IM	Luzerne	1,322	604	948	-	· -	-		365	35	-	1
Nanticoke Power Plant		Luzerne	6,939	3,167	4,978	1	15,085 0	22,725	275	230 190	12		-
Sugar Notch No. 133 Slope	DM DM	Luzerne Luzerne	517	236	372	1	1,126 c		50 5,850	220	128		18
Sugar Notch No. 134 Slope	- DM DM	Luzerne	35,923	16,398	25,770	8	78,099		750	213	17		-
Sugar Notch Ought Tunnel	DM	Luzerne	7,840	3,579	5,624	1	17,044		1,100	187	81	L -	. 17
Sugar Notch No. 210 Slope	DM DM	Luzerne	42,823	19,548	30,721	2	93,101 (32,316 (1,225	214	33		. 12
Truesdale No. 213 Slope Truesdale No. 218 Slope	ПM	Luzerne	14,864	6,786	10,663	39,699	298,457	243,625			332	2 1	. 50
Truesdale No. 210 Biope Total			119,031	54,336	85,391	39,099	270,471						
C.B.M. Coal Co. Lehigh Valley Railroad Bed	bk	Luzerne	1,186	541	851	2	2,580		-	42	-		
Glen-Nan Coal Co., Inc.		T	196,139	346,611	115,359	368	658,477	g 635,725	15,000	237	43:	5 -	l 73
Glen Lyon No. 3 Slope Glyon Coal Co., Inc.	· IM IM	Luzerne Luzerne	9,019	4,006	9,614	27	22,666	h 12,250	150	239	1	7.	- 4
Glen Lyon No. 9 Slope L.J.B., Inc.	201	A		10 200		_	45,355	i -	~	225	1	1.	
No. 5 Bank	bk	Luzerne	-	45,355	-	-	423222	-		-1-		~	
Lehigh Valley Anthracite, Inc. Loomis Breaker	BP	Luzerne	-	-	-	-	-	j -	-	365		2 ·	 - 3
Susquehanna Coal Co. Glen Lyon Breaker	BP	Luzerne	-	-	_			<u> </u>		220		·	
Gien iyon breaker District Total	21		325,375	473,162	211,215	40,096	1,049,848	891,600	24,400	227	89	8	2 130

79

1967

20

Operators and Collieries NOTE: (a) All coal shipped (b) 39,676 tons shipp 19,136 tons prepared (c) All coal prepared (d) Work ceased March (e) Work ceased Movem (f) Operated by Kings; (f) Operated by Kings; (a) tons prepared (f) Operated by Kings; (f) Color prepared (g) 550,290 tons prepared 10,221 tons prepared 18,276 tons prepared 12,210 tons prepared 11,264 tons prepared 11,264 tons prepared (d) Joss prepared (d),091 tons prepared	ed unpre- red at H at Hube 1967 an Der 15, ton Mini d from O sub-con ared at red at A red at A red at H red at H red at H	uber Breaker - Di du ber Breaker - Di du mine was see 1967. ng Corp. until letober 1, 1967 tractor. Glen Lyon Break ce Breaker - I enbrook Breake el Air Breaker arry E. Breakee uber Breaker - Breaker	: By : railroad Gas Improvement looke Power Plan - District 13. strict 13. aled May 9, 1967. L September 30, 1 / operated by Cir Aker. Mstrict 10. r - District 10. r - District 13. District 13.	Produce in market : By : truck: Co. Hunlock t. 1967 arafoni	to local trade	tons Used at colliery for steam and heat	380 tons (i) All coal	ons prepared ons prepared tons prepare 5 prepared a	d at Huber d at Huber t Loree Bre	eaker - D ok Breake Breaker	oyes District r - Dis - Distr	t 10. strict : ict 13.	acci- dents
A. & J. Coal Co. Middle Split Slope	DM	Schuylkill	1 000		trict 12		······	••••					
A. & P. Coal Co. L.V. No. 6 Vein Slope	DM	Schuylkill	4,207	337	9,249 2.015	9	13,802 a	6,600	240	231	9	• ••	-
Acme Coal Co. L.V. No. 5 Vein Slope B. & P. Coal Co.	IM	Schuylkill	-	-	2,945 5,815	30 58	2,975 ъ 5,873 ъ	1,400	-	228	4	-	-
Buck Mountain Slope Clark Coal Co.	DM	Schuylkill	-	623	701	7	1,331 c	2,450 575	200	231 132	4	-	-
No. 2 Slope Deeter Coal Co.	DM	Schuylkill	5,215	6,801	2,596	84	14,696 a	5,950	- 400	202	3 11	-	~
No. 6 Vein Slope Elizabethville Coal Co. Elizabethville Bank	DM	Dauphin	· –	-	9	l	10 b	10	-	2	2	-	-
Fronk, George Coal Sales	bk	Dauphin	-	9,155	· _	-	9,155 e	-	-	246	2	-	_
Gangloff Brothers Williamstown Silt Bank		Dauphin	-	-	-	-	-	-	~	257	ı	-	-
Harner Coal Co. Skidmore Slope	bk	Dauphin	120,464	-	-	-	120,464 f	-	-	168	7	• _	-
Hornberger Coal Co. Buck Mountain Slope	DM	Schuylkill	8,633	20,597	5,208	159	34,597 g	19,050	550	299	13	-	_
Stope	DM	Schuylkill	264	5,585	898	13	6,760 h	3,000	1,000	279	- -		

					rict 12								
				Producti	on - net			Pounds					
				:	Sold	Used at	:	permis-					Non-
			Shipped to	market :	to.	colliery			Pounds				fatal
Operators and Collieries		County	: By : railroad	By : truck:	local trade	for steam and heat	Total :	plosives used	dynamite used	Days worked	Empl- oves	acci- dents	acci- dents
Kerrigan Coal Co., Inc.		obditey		<u> </u>	<u>, crude</u>			0.000	0360	HOINEd	0163	dentes	Gento
Kerrigan Breaker	BP	Dauphin	-	-	-	-	_ *	-	-	8	8	-	-
Kintzel Brothers Coal Co.		•											
L.V. No. 6 Vein Slope	DM	Schuylkill	1,506	1,791	2,343	8	5,648 i	1,950	300	281	4	-	-
Koppenhaver Coal Co.													
Buck Mountain Slope	DM	Schuylkill	562	6,151	1,108	22	7,843 j	3,100	500	250	4	-	-
Lahr Coal Co.													
White's Vein Slope	DM	Dauphin	-	-	2,379	24	2,403.ъ	975	75	276	2	-	-
Last Chance Coal Co.	-	a			288	0		7.00		~~	~		
L.V. No. 5 Vein Slope	DM	Schuylkill	-	-	200	2	290 k	100	-	23	5	-	-
Lehman Coal Co., Mervin L.V. No. 6 Vein Slope	DM	Schuylkill	116	1,215	167	3	1,501 1	650	50	244	3		
M.A.D. Coal Co.	DH	Dendy IKITI	TTO	للتعوك	101	J	1 100 61	0,0	0	244	ر	-	-
L.V. No. 6 Vein Slope	DM	Schuylkill	-	692	780	7	1,479 ъ	575	-	147	3	_	1
Mace Coal Co., James	Lai	Dourdanter		0/2	100	,	-,417 0	212		1141	,	-	
· White's Vein Slope No. 2	ПM	Schuylkill	473	2,780	3,999	29	7,281 m	2,650	100	215	5	-	_
Marchuk & Son Coal Co.	2		115	-,	23	-,	.,	-,-,-		>			
No. 9 Vein Slope	DM	Dauphin	-	100	713	9	822 n	350	200	ւրիլ	3	-	-
Meadowbrook Coal Co.		•									-		
Meadowbrook Bank	bk	Dauphin	-	8,622	495	46	9,163	-	-	281	3	-	-
Meadowbrook Washery	BP	Dauphin			-	-	-	-	-	281	2	-	-
Total				8,622	495	46	9,163 o	-			5		
No. 4 Coal Co.			- (-)										_
White's Vein Slope	DM	Schuylkill.	3,618	5,629	8,990	40	18,277 p	8,050	100	263	8	-	1
Pine Creek Coal Co.		a											
Pine Creek Breaker Reiner Coal Co.	BP	Schuylkill	-	-	~	-	-	-	-	303	15	-	-
No. 945 Vein Slope	DM	Dauphin	116	1,560	262	-	1,939 q	800	50	204	3		
S. & K. Coal Co.	1.111	Daupnin	110	1,500	202	1	1,939 q	000	50	204	د	-	-
Buck Mountain Slope	DM	Dauphin	7	1,913	1,343	19	3,282 r	1,200	100	225	3	_	_
S. & S. Coal Co.	DH	paupitin	1	1,71	(4) و1	19	1 202 ور	1,200	100	24)	,	-	-
Skidmore Slope	IM	Dauphin	218	2,814	573	16	3.621 s	1,400	100	59	հ	-	-
Shomper Coal Co.	141	Deaphirm	220	-,•	212	10	J;021 3	2,400	100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4		
L.V. No. 6 Vein Slope No. 1	IM	Schuylkill.	-	-	3,359	34	3,393	1,200	300	204	3	-	-
L.V. No. 6 Vein Slope No. 2	DM	Schuylkill	-	527	1,068	11	1,606	750	100	121	3	-	-
L.V. No. 3 Vein Slope No. 3	DM	Schuylkill	-	-	196	2	198	100	-	36	3	-	-
Shomper Breaker	BP	Dauphin	-		-	-	-	-	-	257	. 2	-	-
Total		-		527	4,623	47	5,197 t	2,050	400		11	-	
Smeltz Coal Co.					0								
No. 7 Vein Slope	DM	Dauphin	4	5,559	838	31	6,432 u	2,500	50	251	3	-	-
Stonehill Coal Co.	-	Den state								14			
Stonehill Breaker	BP	Dauphin	-	-	-	-	- v	-	-	46	4	-	-

					rict 12 ion - net	tone		Pounds					
Operators and Collieries		County	 Shipped to By railroad	:	Sold to local trade	Used at colliery for steam and heat	: Total : production:	permis- sible ex- plosives used	Pounds dynamite used	Days worked		Fatal acci- dents	
Strohecker Coal Co. Strohecker Breaker Underkoffler Coal Co.	BP	Dauphin	 -	-	-	-	-	-	-	293	8	-	-
Buck Mountain Slope Underkofler Breaker Total	DM BP	Dauphin Dauphin	<u>-</u>		2,743	28 	2,771 	1,200	100	255 248	3 24 27		
Valley Construction Co. L.V. No. 6 Vein Slope White's Vein Coal Co.	DM	Dauphin	-	1,877	-	19	1,896 w	650	50	141	4	-	-
White's Vein Slope	DM	Schuylkill	550	102	1,029	1	1,682 x	575	100	196	3	-	-
Wolfe Coal Co. No. 7 Vein Slope	DM	Dauphin			252	3	255 t	1.00		89	2	<u> </u>	_
District Total			145,953	84,430	60,346	716	291,445	67,910	4,665	211	198	-	2

- NOTE: (a) 12,945 tons prepared at Penag Breaker District 30. 857 tons prepared at Underkoffler Breaker. Ceased operation in October 1967.
 (b) All coal prepared at Strohecker Breaker.
 (c) All coal prepared at Strohecker Breaker.
 (d) 14,137 tons prepared at Kocher Breaker District 16. 559 tons prepared at Penag Breaker District 16. (e) All coal prepared at Elizabethville Washery.
 (f) All unprepared at Elizabethville Washery.
 (f) All unprepared at Elizabethville Washery.
 (g) 22,151 tons prepared at Elizabethville Washery.
 (g) 22,151 tons prepared at Elizabethville Washery.
 (h) All unprepared at Elizabethville Washery.
 (g) 22,151 tons prepared at Elizabethville Washery.
 (h) Li Btons prepared at Elizabethville Washery.
 (h) Li Btons prepared at Elizabethville Washery.
 (h) Li Btons prepared at Elizabethville Washery.
 (h) Ji Btons prepared at Elizabethville Washery.
 (h) Ji Btons prepared at Legal Breaker District 16.
 2,520 tons prepared at Legal Breaker District 16.
 2,522 tons prepared at Legal Breaker District 30.
 (i) 3,278 tons prepared at Dandson Breaker District 30.
 (j) 7,287 tons prepared at Schneck Breaker District 16.
 (k) 183 tons prepared at Underkoffler Breaker District 16.
 (k) 183 tons prepared at Underkoffler Breaker District 16.
 (k) 183 tons prepared at Underkoffler Breaker District 16.
 (k) 183 tons prepared at Wardson Breaker District 16.
 (k) 183 tons prepared at Schneck Breaker District 16.
 (k) 183 tons prepared at Schneck Breaker District 16.
 (k) 183 tons prepared at Schneck Breaker District 16.
 (k) 183 tons prepared at Schneck Breaker District 30.
 626 tons prepared at Schneck Breaker District 30.

- (m)
- (n)
- 5,716 tons prepared at Strohecker Breaker.
 63 tons prepared at Pine Creek Breaker.
 1,411 tons prepared at Penag Breaker District 30.
 11 tons prepared at Kocher Breaker District 16.
 Formerly operated by K.E.W. Coal Co. until March,1967
 who produced 1,416 tons, worked 19 days, 5 employees, used 550 pounds of permissible explosives.
 691 tons prepared at Underkoffler Breaker.
 11 coal prepared at Strohecker Breaker.
 12 tons prepared at Strohecker Breaker.
 12 tons prepared at Strohecker Breaker.
 1,71/1 tons prepared at Breaker District 16.
 2,279 tons prepared at Superior Breaker District 16.
 678 tons prepared at Kocher Breaker District 16.
 2,921 tons prepared at Superior Breaker District 16.
 2,921 tons prepared at Superior Breaker District 16.
 20 tons prepared at Breaker District 16.
 20 tons prepared at Check Breaker.
 1,908 tons prepared at Breaker District 16.
 20 tons prepared at Pine Creek Breaker.
 3,174 tons prepared at Pine Creek Breaker.
 3,174 tons prepared at Superior Breaker District 16. (o) (p)
- (q)
- (r) (s)
- 11 tons prepared at Fine Creek Breaker. 108 tons prepared at Superior Breaker District 16. 1,905 tons prepared at Sranklin Breaker District 30. 1,172 tons prepared at Schneck Breaker District 30. 544 tons prepared at Pine Creek Breaker.

Derivation - net tons Pounds Pounds Non- Sold Used at : sold exerct in the sold of th		
Shipped to market: to colliery <th:shipped market:<="" th="" to=""> to colliery <th:shipped market:<="" th="" to=""> to colliery : shipped to market: to colliery : shipped to market: to colliery : shipped to market: pounds used worked oves dents dents 0.0erators and Collieries Courty : railroad truck: trade and heat is plosives dynamite Days Empl-acci-acci-acci-acci-acci-acci-acci-acc</th:shipped></th:shipped>		
Introde to mather: By By local for steam Total : plosives dynamite Days Employee dents Operators and Collieries County : railroad truck: trade and heat production: used worked over dents dents NOTE: (1) 1,127 tons prepared at Strohecker Breaker. (7) Ceased operation January 1967. (7) Ceased operated January 1967. (7) Ceased operated at Franklin Breaker. (7) 1,127 Coased operated at Franklin Breaker. (7) 1,127 Coased operated at Franklin Breaker. (7) 1,127 Coased operation January 1967. (7) 1,127 Coased operated at Franklin Breaker. (7) 1,127 Coased operated at Franklin Breaker. (7) 1,127 Coased operation January 1967. (7) 1,127		
i By By i Mutha No deat production: used used worked oves dents dents Operators and Collieries County : railroad truck: trade and heat production: used used worked oves dents dents NOTE: 1,127 tons prepared at Stroheoker Breaker. 3/9 tons prepared at Stonehill Breaker. (v) Ceased operation January 1967. (v) All coal prepared at Fronk Coal Sales Ramp. (a) 6,303 tons prepared at Hillside Breaker - District 20. (v) 1,552 tons prepared at Borney Preaker. 130 tons prepared at Kocher Breaker - District 10. 117 tons prepared at Kocher Breaker - District 16. (v) 1,552 tons prepared at Kocher Breaker - District 10. 12 tons prepared at Kocher Breaker - District 16. * Ceased operation in January 1967. Bartoll Construction Co., Gene 109 tons prepared at Kocher Breaker - District 13. Bartoll Construction Co., Gene 207 foo - 7 Stanton Colliery Bank bk Luzerne 262 94 637 2 995 a - 48 2 - Huber Breaker B Luzerne 109,132 48,997 79,207 24 237,606 273,775 211 40 aa -		
Operators and Collieries County : railroad Utuext Cloue County : railroad Cloue		
NOTE: (1) 1,127 UMB prepared at Stonehill Breaker. 3/9 tons prepared at Stonehill Breaker. 3/9 tons prepared at Stonehill Breaker. (u) 6,303 tons prepared at Stonehill Breaker - District 30. 117 tons prepared at Kocher Breaker - District 21. 12 tons prepared at Kocher Breaker - District 16. Bartolli Construction Co., Gene Stanton Colliery Bank bk Luzerne 262 94 637 2 995 a - 48 2 - Elue Coal Corporation Huber Breaker B Luzerne 109,132 48,997 79,207 24 237,360 b 273,775 211 470 48 Huber Shops & General Luzerne B Luzerne Luzerne Luzerne B B Luzerne B Luzerne B Luzerne B Luzerne B Luzerne B B L		
379 tons prepared at Stohenili in Freaker. 3,691 tons prepared at Stohenili Breaker. (u) 6,303 tons prepared at Franklin Breaker. 117 tons prepared at Kocher Breaker - District 21. 12 tons prepared at Kocher Breaker - District 16. Bartoli Construction Co., Gene Stanton Colliery Bank bk Luzerne 262 94 A37 2 995 a - Luzerne 109,132 Huber Breaker 109,132 Huber Shops & General Luzerne Huber Shops & General Luzerne Buzerne 109,132 Huber Shops & General Luzerne Buzerne 109,132 Huber Shops & General Luzerne Luzerne 109,132 Huber Shops & General Luzerne Luzerne 109,132 Luzerne 1100 Luzerne 1100		
3,691 tons prepared at Shouper 1 Freaker - District 30. (u) 6,303 tons prepared at Franklin Breaker - District 21. 117 tons prepared at Kocher Breaker - District 16. Bartolli Construction Co., Gene Stanton Colliery Bank bk Lazerne 262 94 637 2 995 a - 48 2 - Elue Coal Corporation Huber Breaker B Luzerne 109,132 48,997 79,207 24 237,360 b 273,775 211 470 48 Huber Shops & General Lazerne B Luzerne 109,132 48,997 79,207 24 237,360 b 273,775 211 470 48 Huber Shops & General Lazerne B Luzerne 109,132 48,997 79,207 24 237,360 b 273,775 211 470 48 Huber Shops & General Lazerne B Luzerne B B Luzerne B B B B B B B B B B B B B B B B B B B		
(u) 6,303 tons prepared at Franklin Breaker - District 21. 117 tons prepared at Kocher Breaker - District 16. Bartoll Construction Co., Gene Stanton Colliery Bank bk Luzerne 262 94 637 2 995 a - 48 2 - Stanton Colliery Bank bk Luzerne 262 94 637 2 995 a - 48 2 - Stanton Colliery Bank bk Luzerne 262 94 637 2 995 a - 48 2 - Stanton Colliery Bank bk Luzerne 109,132 48,997 79,207 24 237,360 b 273,775 211 470 48 Huber Breaker B Luzerne 109,132 48,997 79,207 24 237,360 b 273,775 211 470 48 Huber Shops & General Luzerne B B B B B B B B B B B B B B B B B B B		
117 tons prepared at Hillslie Hiesder - District 16. <u>Mistrict 13</u> Bartoli Construction Co., Gene Stanton Colliery Bank bk Luzerne 262 94 637 2 Bartoli Construction Co., Gene Stanton Colliery Bank bk Luzerne 262 94 637 2 237 60 7 Ruber Coal Corporation B Luzerne 109,132 18,997 79,207 24 237,600 273,775 211 40 aa - Huber Shops & General Luzerne 109,132 18,997 79,207 24 23,062 e - 44 - - 14 2 B Luzerne - 23,062 e - - - <th <="" colspan="2" td=""></th>		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		
Bartoll Construction Co., Gene Stanton Colliery Bank bk Luzerne 262 94 637 2 995 a - 48 2 - Stanton Colliery Bank bk Luzerne 262 94 637 2 995 a - 237 60 - 7 Elue Coal Corporation B Luzerne 109,132 48,997 79,207 24 237,360 b 273,775 211 470 48 Huber Shops & General Inzerne 109,132 48,997 79,207 24 237,360 b 273,775 40 aa - Huber Shops & General Inzerne Inzerne 109,132 100 100 100 23 23,062 - 83 4 -		
Bartoli Construction Co., Gene 262 94 637 2 975 a 237 60 7 Stanton Colliery Bank bk Lazerne 262 94 637 2 975 a 237 60 7 Blue Coal Corporation B Luzerne 109,132 48,997 79,207 24 237,360 b 273,775 211 40 aa - 40 aa - 40 aa - 44 29 - 1 44 29 - 1 44 29 - 1 44 29 - 1 44 29 - 1 44 29 - 1 44 29 - 1 44 29 - 1 44 29 - 1 44 - - 83 4 - - 83 4 - - 83 4 - - 83 4 - - 83 4 - - 83 4 - - 83 4 - - 83 4		
Stanton Colliery Bank bk Lazerne 202 74 55 Rube Coal Corporation Huber Breaker B Luzerne 109,132 48,997 79,207 24 237,360 b 273,775 211 470 48 Huber Breaker DM Luzerne 109,132 48,997 79,207 24 237,360 b 273,775 211 470 48 Huber Shops & General Luzerne 109,132 16,997 79,207 24 237,360 b 273,775 211 470 48 Huber Shops & General Luzerne 109,132 16,997 79,207 24 237,360 b 273,775 211 40 aa -		
Elue Coal Corporation B Luzerne 109,132 48,997 79,207 24 237,360 273,775 211 1470 48 Huber Breaker DM Luzerne 109,132 48,997 79,207 24 237,360 273,775 211 140 aa - Huber Shops & General Luzerne 109,132 160 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 29 - 141 24 24 24 24 24 24 24 24 24 24 24 24 24 24 24 24 24 24 24 </td		
Huber Breaker B Luzerne 109,132 48,997 79,207 24 237,360 5273,175 40 aa - Huber Ashley Mines DM Luzerne - - 40 aa - - 40 29 - 1 40		
Huber Ashley Mines IM Luzerne 107,22 4,577 47		
Huber Shops & General Luzerne From 73 23.062 c - 83 4 -		
B Luzerne B Luzerne 160 73 $23.002 c$ $ -$		
Toree Silt Bank DK Lazerne 63,222 u - 03,222 u - 30 2		
N 30 Part Bark bk Luzerne bk Luzerne		
No. 10 Road Bank bk Luzerne <u>14,143</u> 6,109 <u>444</u> 20,102 <u>273,775</u> - <u>574</u> - <u>56</u>		
Total 281 2		
C.B.M. Coal Co.		
Maintenance Shops 510 - 345 - 885 f		
Taylor Bank bk haderno $553 - 1,531 - 42 - 2,120 g - 4$		
Woodward Bank by Hubble $1.093 - 1.876 42 3.011 - 1.876$		
Duryea Coal Sales Co.		
Bel All Dicaner 67 2 67 2		
bk Jackawanna 575 70 -		
Storrs bank 5 2		
hk Juzerne 299		
$7.03 \pm 13.795 = -10.4$		
Total		
Lear Coal Co. $39,400 \text{ kl} 33,400 \text{ kl}$		
Di la Dorle bi lazerne - 2004-		
Tehigh Valley Anthracite, Inc.		
Franklin Cleaning Plant BP Luzerne		
Harry E. Breaker B. Luzerne		
Prospect Cleaning Plant BP Inzerne 6 108 6.836 10.468 152 23,954 150 4		
Prospect Bank bk Inzerne 0,490 0,090 10,400 -		

					<u>rict 13</u>								
		-			ion - net			Pounds					
			Ch 1	· · · · · · ·	Sold	Used at	:	permis-					Non-
			By	o market :	to	colliery	:	sible ex-	Pounds			Fatal	fatal
Operators and Collieries		County :	railroad	By : truck:	local	for steam	Total :	plosives	dynamite	Days	Empl-		acci-
Lehigh Valley Anthracite, Inc. (Co	ntin	1ed)	Idilioau	truck:	trade	and heat	production:	used	used	worked			dents
Sullivan Trail Breaker	В	Luzerne	-	_									dents
Total			6,498	6,836	10,468	152		<u> </u>		168	3	-	-
Martinelli, Mathew			- 14/ 0		10,400	152	23,954 1	m			45		2
Archbald Banks	Ъk	Lackawanna	732	4,942	458		6 100						
Pittston Railroad Fill Bank	bk	Luzerne	877	1,980	585	-	6,132 :	n –	-	69	4	-	-
Total			1,609	6,922	1,043		3,442			69	4	-	-
Meg Coal Co.				0,722	1,045		9,574		-		8	-	-
Leadville Shaft Bank	bk	Luzerne	258	662	1,666		0 505					_	<u></u>
Moffat Coal Co., Inc.			4,50	002	1,000	-	2,586 I	<u>, -</u>	-	25	1	-	-
190 Slope *	DM	Lackawanna	-	_									
Shops & General			-	-	-	-	-	-	-	176	7	-	-
Total								-	-	283	12	-	-
Moffat Premium Anthracite, Inc.							<u>-</u>		-		19	-	
Taylor Breaker	в	Lackawanna	_										
Mountain Coal Co.				-	-	-	-	-	-	146	70	-	1
No. 32 Slope	IM	Luzerne	2,016	3,247	2,121	1.0	- 1						
N. & R. Coal Co.			-,010	29441	121 62	47	7,431 л	n 8,325	300	201	13	-	1
Old Forge Bank	bk	Lackawanna	865	_	1,482								
Oliver, Carl			00)	-	1,402	-	· 2,347 q	ı –	-	36	3	-	-
Johnson Bank	bk	Lackawanna	300	562	391								
O'Toole, John F.			200	202	391	-	1,253 r	• -	-	60	2	-	-
O'Toole Cleaning Plant	в	Lackawanna		_	-								
Pennsylvania Department of Highways				-	-	-	-	-	-	125	1	-	-
Scranton Spruce St. Project Bank	bk	Lackawanna	5,371	186	3,248		0.047						
Perry Coal Sales, Thomas			2321-2	100	5,240	-	8,805 f	-	-	12	10	-	-
Taylor Yard Bank	bk	Lackawanna	1,131	13,518	2,366								
Popple Coal Sales Co., Raymond				لترورد	2,000	-	17,015 s	-	-	114	6	-	-
Dunmore Banks	bk	Lackawanna	-	100,687			/0-						
Racho, George				100,001	-		100,687 t	· · -	-	197	8	-	-
Exeter Bank	bk	Luzerne	-	26,388			- (- 00						
Reilly Contracting Co.				20,000	-	-	26,388 k	-	-	87	6	-	-
Wilkes-Barre Bank	bk	Luzerne	_	1,915	-								
Scranton Excavating Co.				1,717	-	-	1,915 u	-	-	-	-	-	-
No. 9 Colliery Bank	Ъk	Luzerne	7,998	23,357	7,671								
William A. Bank		Luzerne	1,488	8,482	492	-	39,026	-	-	122	8	-	-
Total			9,486	31,839	8,163		10,462	-	-	28	7	-	· -
Sebastopol Coal Co.				90,90	601.00		49,488 v	-			15	-	
Sebastopol Bank	Ъk	Luzerne	588	17,177	1 300		20.005						
Silverbrook Anthracite, Inc.			-	114614	1,300	-	19,065 w	-	-	230	6	-	-
Kassa Breaker	в	Luzerne	-	_									
				-	-	-	-	-	-	228	3	-	-

				rict 13 ion - net	tons		Pounds					
Operators and Collieries County	,	ipped By lroad	to market : By : truck:	Sold to local trade	Used at colliery for steam and heat			Pounds dynamite used	Days worked		acci-	Non- fatal acci- dents
United Gas Improvement Co., The Huber 31 Silt Bank bk Luzerne		_	34,630	_	_	34,630 2			75	9	_	_
District Total		3,692	441,267	114,418	789	710,166	282,100	300	206	830		60
	~~~~~											
NOTE: (a) 666 tons prepared at Kassa Breaker. 329 tons prepared at Harry E. Breaker (b) All coal prepared at Huber Breaker.							prepared at shipped unp					ower
Huber Colliery Ashley Mines were abar (c) 635 tons prepared at Loree Breaker.						489 tons Ownership	prepared at of Johnson	Bank transi	ferred fr	om J.	Giovann	
1,500 tons shipped unprepared to Penn 20,927 tons shipped unprepared to con (d) All coal shipped unprepared to compare	pany power	plant		•		50 days,			-	duced	764 ton	s, worke
<ul> <li>(d) All coal shipped unprepared to compare (e) All coal prepared at Loree Breaker.</li> <li>(f) All coal prepared at Taylor Breaker.</li> </ul>	y power pi	ants.					is prepared is prepared ons shipped	at Taylor B	reaker.	ackawa	nna Rai	lroad
(g) All coal prepared at Kassa Breaker. at Kassa Breaker in 1966,						(t) 35,000 to	ons shipped					
<ul> <li>(h) Ownership transferred from Bel Air Conin June 1967. Bel Air Breaker worker</li> <li>(i) 575 tons prepared at Waddell Washery</li> </ul>	96 days,	13 men		0.		power pla	ons shipped ints. is shipped u				-	
<ul><li>78 tons shipped unprepared to Penna.</li><li>(j) All coal prepared at Waddell Washery</li></ul>	Power & Li - District	ght po 10.	-			(u) All coal coal stor	prepared at ked at Gint	Ginther Was her Washery	shery - I in 1966.	listric	t 15.	From
<ul> <li>(k) All coal shipped unprepared to Penna,</li> <li>(1) Ownership transferred from Blue Coal in April 1967 - same men.</li> </ul>					1		s prepared	at Taylor B	reaker.	DI adaut		
(m) All coal prepared at Harry E. Breaker (n) 1,190 tons prepared at Taylor Breaker						5,020 to	prepared at as prepared ons shipped	at Waddell W	Washery -	Distr	ict 10.	
905 tons prepared at Ace Cleaning Pla 2,520 tons shipped unprepared to Penn	nt - Distr a. Power &	Light	power plants	•		(w) 712 tons 1,175 tor	prepared at as prepared	Bel Air Bre at Taylor Ba	eaker. reaker.		-	
<ul> <li>1,517 tons shipped unprepared to Doll</li> <li>(o) 1,462 tons prepared at Taylor Breaker</li> <li>1,980 tons shipped unprepared to Penn</li> </ul>			<ul> <li>16,936 tons shipped unprepared to Penna. Power &amp; Light Plant</li> <li>2h2 tons shipped to Dolly Madison power plants.</li> <li>(x) All coal shipped unprepared to United Gas Improvement Co.</li> </ul>									
<ul> <li>(p) All coal prepared at Bel Air Breaker,</li> <li>(q) 1,646 tons prepared at Bel Air Breaker</li> </ul>	r.	-	power prante	•		power pla		•		-		
701 tons prepared at Waddell Washery		(1	ob) Same men	listed unde ndoned in 19	r Blue Coal	Corp., F	ine Ri	dge Ban	k.			
			Dis	trict 15								
Archer Coal Co. Honeybrook Breaker B Schuylkil		-	•	-	-	-	-	-	205	14	-	l

B Schuylkill 205 **1**4 Honeybrook Breaker

- T. B. -

Sec.

					rict 15 ion - net								
			: : Shipped t	o market :	<u>lon - net</u> Sold to	Used at colliery		Pounds permis-	<b>.</b> .				Non-
Operators and Collieries	_	County	: By : railroad	By : truck:	local trade	for steam and heat	Total : _ production:	sible ex- plosives used	Pounds dynamite	Days		Fatal acci-	acci-
Beaverbrook Coal Co., Inc. Beaver Brook Breaker	BP	Luzerne	_	-	-	-	production:	_usea	used	worked	<u>oyes</u> 20	dents	dents_
Big Buck Coal Co. Big Buck Breaker	в	Luzerne	-	-	-	-	-	-	_	104	20	-	. 7
No. 2 Slope Total	DM	Luzerne			<u> </u>		17 17 a	<u>150</u> 150		43	<u></u>		
Blue Coal Corporation Wanamie Colliery Buckley Coal Corporation	DM	luzerne	125,343	56,276	90,974	26	 272,619ъ	312,975	34,700	240	<u>2</u> 510	 2	<u>-</u> 69
Eckley Breaker Coleby Coal Co., Inc.	BP	Luzerne	-	-	-	-	-	-	-	213	26	-	-
Candleton Bank Candleton Breaker	bk B	Schuylkill Schuylkill	55,160	-	-	-	55,160	-	-	164 162	6	-	-
Total Gowen Coal Co.			55,160				55,160 c			102	12		
Gowen Breaker Greybosh Coal Co., Inc.	В	Luzerne	-	- "	-	-	-	-	-	171	21	-	-
Greybosh Breaker Honeybrook Mines, Inc.	BP	Luzerne		-	-	-		-	-	320	2	-	-
Honeybrook Breaker Huss, George	В	Schuylkill	-	-	-	-		-		215	41	-	4
Beaver Brook Fine Coal Plant George Huss Culm Bank Total	W. bk	Luzerne Luzerne		10,287	-	-	10,287	-	-	189 157	8 1,	-	-
Jeddo-Highland Coal Co.				10,287			10,287 d				12		
Highland No. 5 Banks Highland No. 5 Breaker	bk B	Luzerne Luzerne	87,791	-	-	120	87,911 e	-	-	116 234	6 25	-	-
Jeddo No. 7 Banks Jeddo No. 7 Breaker	bk B	Luzerne Luzerne	88,130	-	-	120	88,250 f	-	-	234 147 232	29 20 60	-	- 2
Total Kassa Coal Co.			175,921			240	176,161				111		2
No. 4 Slope Lech Coal Co.	DM	Carbon	1,035	-	2,865	80	3,980 g	12,000	-	231	7	-	-
Quakake Bank Lee Mining Co., Inc.,J. F.	bk	Schuylkill	-	-	2,295	3	2,298 h	-	-	211	1	-	-
Drifton No. 1 Slope Lehigh Valley Anthracite, Inc.	DM	Luzerne	3,448	2,370	4,957	10	10,785 i	10,000	-	231	16	-	l
Admiral Silt Dam Hazleton Shaft Banks Hazleton Shaft Breaker	bk bk B	Luzerne Luzerne Luzerne	43,404 94,900	403 43,464	9,250	- 782	43,807 j 148,396 k	-	2	121 233	7 18	-	-
Hazleton Shaft Cleaning Plant	B	Luzerne	-	-	-	-	-	-	-	132 213	83 27	-	4

				<u>rict 15</u> ion - net	****		Pounds					
			Product	Sold	Used at		permis-					Non-
		· • • • • • •	o market :	to	colliery	•	sible ex-	Pounds			Fatal	
		By	By :	local		Total :	plosives		D			
0	<b>0</b>	: railroad	truck:	trade	for steam and heat	production:		dynamite	Days	Empl-		acci-
Operators and Collieries Lehigh Valley Anthracite, Inc. (Cont	County	: raliroad	truck:	trade	and neat	production:	used	used	worked	oyes	dents	dents
	k Luzerne	46,200	429			46,629 j		-	104	5		
Lion Breaker E		40,200	423	-	-	40,029 J	-	-	185	23	-	-
Total	Pasetue	184,504	44,296	9,250	782	238,832			103	- 163		
		104, 904	44,290	9,250	102	230,032				105	~	
Pollock, Inc., Ken Wanamie Silt Bank t	k Luzerne		55,083		-	55,083 1		-	70	14		
Marko Coal Co.	k Luzerne	-	55,005	-	-	22,00,00	-	-	10	14	-	-
	M 0.1		2 5 2	2 701	8	5 015	550		67 C	5		
	M Schuylkill	-	1,513	3,724	0	5,245 m	550	-	215	2	-	-
Mazaika Brothers Coal Co.									200			
	P Schuylkill	-	-	-	-	-	-		300	3	-	-
McAdoo Mining Co.				1.00	0	da	~~~		1	ر		
	M Carbon	-	58	454	8	520 n	550	-	49	5	-	-
Racho, George		4.0										
	k Luzerne	638	438	917	-	1,993 i	-		18	4	-	-
	k Luzerne	59,563	17,519		-	77,082 0	-	-	117	8	-	-
	k Luzerne	1,922	1,321	2,763	-	6,006 i		-	31	5	-	-
	k Luzerne		166,903	_	-	166,903 0	-		265	16		
Total		62,123	186,181	3,680		251,984	-	-		33	-	-
Tedesco Brothers Coal Co.												
	k Luzerne	-	-	160	-	160	-	-	28	2	-	-
Tedesco Breaker H	Luzerne	-		-	-	<u> </u>	-	-	28	3	-	-
Total		-	-	160		160 p	-	-		5	-	-
Valley Coal Co.												
Valley Breaker H	P Schuylkill	-	-	-	-	-	-	-	256	3	-	-
Wesner Coal Co.												
Wesner Breaker H	P Schuylkill	-	-	-	-	-	-	-	231	4	-	-
Wiconisco Washery, Inc.	•											
	k Carbon		26,289	<u>=</u>		26,289 g			36	2		
District Total		607,534	382,353	118,376	1,157	1,109,420	336,225	34,700	209	1,035	2	87

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(a) All coal prepared at Big Buck Breaker.
(b) All coal prepared at Huber Breaker - District 13.
(c) All coal prepared at Candleton Breaker.
(d) All coal prepared at Eaver Brock Fine Coal Plant.
(e) All coal prepared at Highland No. 5 Breaker.
(f) 226 tons prepared at Highland No. 5 Breaker.
(g) All coal prepared at Highland No. 5 Breaker.
(g) All coal prepared at Wasa Breaker - District 13.
(h) All coal prepared at Valley Breaker.
(i) All coal prepared at Blaschak Breaker - District 26. NOTE:

(j) All coal prepared at Lion Breaker.
(k) 57,165 tons prepared at Hazleton Shaft Breaker.
h1,119 tons prepared at Jeddo No. 7 Breaker.
h9,762 tons prepared at Lion Breaker.
(1) All coal shipped unprepared to United Gas Improvement Co. Hunlock Plant.
(m) 67 tons prepared at Greybosh Breaker.
h,816 tons prepared at Mazaika Breaker.
352 tons prepared at Wesner Breaker.

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				trict 15								
			Produc	Pounds								
		: : Shipped +	: <u>o market</u> :	Sold	Used at	:	permis-					Non-
•		a By	By :	to local	colliery for steam	Total :		Pounds				fatal
Operators and Collieries NOTE: (n) 208 tons prepared a	County	: railroad	truck:	trade	and heat	Total : production:	plosives	dynamite used	Days			acci-
304 tons prepared a	t Wesner Breeken					(p) All coa	1 prepared a	t. Tedesco	worked			dents
(o) All coal shipped un	prepared to Penna. Pow	er & Light Co.	Plante			(q) 1,915 t	ons prepared	1 at Ginthe	Washow	during	1966.	
			1111100.			24,374	tons shipped	1 unprepared	1.			
Anspach & Umbenhauer Coal Co.			Dis	strict 16								
Buck Mountain Slope	DM Schuylkill	275										
B. & C. Coal Co.	AT BOINGYTRIIT	215	761	98	l	1 <b>,1</b> 35 a	650	-	44	3	-	-
No. 2 Vein Slope * B. & M. Coal Co.	DM Schuylkill	1,828	1,097	3,795	l	6,721 ъ	7 505			-		
B. & M. Tunnel				23172	1	0,721 0	1,575	-	209	3	-	-
Bush Coal Co.	IM Schuylkill	6,021	1,126	11,757	4	18,908 c	6,500	-	268	5		
Top Split Slope	IM Schuylkill	1,218		76.1.44		-	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	200	2	-	-
Clark Coal Co.	2. Condy Incits	الدعولد	14,562	56,429	470	72,679 d	30,950	-	280	20	1	_
Skidmore Slope Erdman Coal Co.	DM Schuylkill	523	3,960	2,222	25	6,730 e	2,800				_	
Middle Split Slope			-		- )	0 e 00 e	2,000	-	99	15	-	-
Fireside Mining, Inc.	DM Schuylkill	3,075	20,760	5,989	63	29,887 f	21,700	_	361	15	1	
No. 1 Vein Slope	DM Schuylkill	_		31 60/		•			LOC	12	T	2
Good Spring Coal Co.		-	-	34,736	351	35,087 g	12,500	-	297	. 9	-	-
Holmes Slope Green Coal Co.	DM Schuylkill	538	7,789	1,384	31	9,742 h	4,000			•		
No. 2 Vein Slope	IM Schuylkill			-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	21	7,142 H	4,000	-	266	. 4	-	-
Harman Coal Co.	IN SCRUYIGII	-	-	-	-	- i	-	-	291	2	_	
Buck Mountain Slope	IM Schuylkill	499	8,085	1,418					-/-	-	-	-
Hatter Coal Co.	• •	477	0,000	7,410	27	10,029 j	8,750	-	293	4	-	-
Middle Split Slope Herb & Reed Coal Co.	DM Schuylkill	204	2,770	3,149	29	6,152 k	4,600		000	,		
No. 4 Slope	DM Schuylkill					0,1)C K	4,000	-	280	6	-	-
Hi-Test Coal Co.	DI SCHUYIRIII	-	295	12,369	126	12,790 1	10,400	-	260	3	_	_
Skidmore Slope	DM Schuylkill	901	14,551	2,523	47	70 000				-		-
J. & C. Coal Co., Inc. Skidmore Slope	-			ويروع	47	18,022 m	9,000	-	291	8	-	1
No. 1 Vein Slope	IM Schuylkill	3,126	12,745	7,451	112	23,434	7,000		202			
Total	DM Schuylkill	780	62	1,558		2,400	1,000	-	303 191	11	-	6 1
Keffers Coal Co.		3,906	12,807	9,009	112	25,834 n	8,000		±/±	- 15	<u>-</u>	
L.V. No. 2 Vein Slope	DM Schuylkill	480	6,444	1,652	ւր	8,590 0						
Kosher Coal Co., Leon E. Kocher Breaker			-,444	2,072	14	0,590 0	7,800	-	267	4	-	-
Legal Coal Co.	BP Schuylkill	-	-	-	-	-	-	_	248	42		
Legal Breaker	BP Schuylkill	_						-	£40	42	-	-
		-	-	-	-	-	-	-	304	12	-	-
									-			

				Dist:	rict 16								
		_		Product	<u>ion - net</u>			Pounds					
		:		:	Sold	Used at		permis-					Non-
		۰	Shipped to		to	colliery	•	sible ex-	Pounds			Fatal	
		1	Ву	By :	local	for steam	Total :	plosives	dynamite	Days		acci-	acci-
Operators and Collieries		County :	railroad	truck:	trade	and heat	production:	used	used	worked	oves	dents	dents
Lehigh Valley Anthracite, Inc. Joliett Breaker	BP	Schuylkill					- P	_	_	273	1	_	_
Madenford Coal Co.	DF	SCHUYTKITT	-	-	-	-	- P		-	212		-	-
No. 1 Vein Slope	DМ	Schuylkill	6,775	1,168	13,044	9	20,996 q	15,700	-	287	6	-	-
Marby Coal Co., Inc.	141	Schuyikiii	0,112	1,100	1000444	/	20,770 4	1001601	_	201	Ŭ	-	
Middle Split Slope	īΜ	Schuylkill	695	10,993	4,883	-	16,571 r	17,600	-	283	13		3
Ney & Lehman Coal Co.	LAI	Jendy INIII	0,,	10,775	4,000	-	10,001 1	1,,000	_	200		_	,
No. 1 Slope	DM	Schuylkill	59	10,105	1,455	12	11,631	6,000	-	305	հ	-	_
No. 2 Slope	DM	Schuylkill	872	2,535	709	10	4,126	2,500	-	294	ī	-	-
Total		bondy riteran	931	12,640	2,166		15,757 s	8,500		-/4			
R. & K. Coal Co.													
Skidmore Slope	DM	Schuylkill	13,405	24,075	10,322	289	48,091 t	48,910	-	260	18	-	8
R. & J. Coal Co.								4 ,,					
No. 2 Vein Slope	ГM	Schuylkill	1,987	6,872	և,156	33	13,348 u	4,450	-	266	7	-	-
Renninger & Partners Coal Co.				, .	.,		- , - ,						
Holmes Slope	DM	Schuylkill	68	130	47	3	248 v	200	-	100	2	-	-
S. & S. Coal Co.				-		-							
Skidmore Slope	ПM	Schuylkill	1,026	16,483	2,853	55	20,417 w	10,000	-	298	11	-	1
S. & W. Coal Co.			-	-				-					
Middle Split Slope	DM	Schuylkill	1,433	3,021	10,777	93	15,324 x	5,000	-	291	9	-	1
Shade Coal Co.		_	-	-				-					
No. 2 Vein Slope	DM	Schuylkill	4,160	333	11,378	31	15,902 y	11,500	-	267	7	-	-
Sherry Coal Co., Don													
No. 1 Middle Split Slope	DM	Schuylkill	-	-	-	-	Z	-	-	171	3	-	-
Stahl & Shade Coal Co.													
No. 2 Vein Slope	DМ	Schuylkill	2,799	15,811	6,009	60	24,679 a	a 9,500	-	291	8	-	1
Stahl Coal Co.													
No. 2 Vein Slope	DM	Schuylkill.	3,966	2,228	7,591	26	13,811 б	ь 7,800	-	278	5	-	1
Superior Coal Co.													
Superior Breaker	BP	Schuylkill	-	-	-	-	-	-	-	305	11	-	-
Sweet Water Coal Co.													
Primrose Slope	DM	Schuylkill	4,109	9,174	3,003	58	16,344 с	c 10,400	-	294	7	-	-
Williamson Coal Co., Inc.						10							_
Skidmore Slope	DM	Schuylkill	1,044	23,960	23,162	258	48,424 а	a 45,150	-	303	21	-	7
Wolfgang Coal Co.				1 0 7 4			1			- 01	_		
L.V. No. 1½ Vein Slope	DM	Schuylkill	1,351	4,853	3,813	<u>17</u>	10,034 e	e 5,000		284	5		
Distant at mate?			63,217	226,748	050 000	0.055	r10,070	208 025		070	27.0	2	32
District Total			1 15,00	220,148	250,032	2,255	542,252	328,935	-	270	312	2	20

NOTE: (a) 506 tons prepared at Donaldson Breaker - District 30. 629 tons prepared at Legal Breaker Ceased operations in March 1967.

(b) 5,622 tons prepared at Penag Breaker - District 30. 347 tons prepared at Pine Creek Breaker - District 12. 752 tons sold unprepared to itinerate truckers-Dist. 12

68

			Producti	on - net	tons		Pounds									
			•	Sold	Used at	:	permis-					Non-				
		Shipped to	<u>market</u> :	to	colliery	:	sible ex-	Pounds			Fatal	fatal				
		ву Ву	By :	local	for steam	Total :	plosives	dynamite	Days	Empl-	acci-	acci-				
<b>Operators</b>	and Collieries County	railroad	truck:	trade	and heat	production:		used	worked	oyes	dents	<u>dents</u>				
NOTE: (c)	17,886 tons prepared at Penag Breaker - Di	strict 30.				coal prepared										
	290 tons prepared at Legal Breaker.					91 tons prepar						,				
+	505 tons prepared at Kocher Breaker.					200 tons prepa					12.					
(	227 tons prepared at Superior Breaker.					00 tons prepar			lastrict	30.						
(a)	772 tons prepared at Swatara Breaker - Dis					69 tons prepar				+ a.						
	4,672 tons prepared at Pine Creek Breaker					74 tons shippe						+ L				
	8,579 tons prepared at Olenick Breaker - D 2,171 tons prepared at Strohecker Breaker					gel Coal Co., Men, at No. 1 V										
	39,582 tons prepared at Underkoffler Break		2			April 1967.	eru prohe.	1190210116	u		ar 00.	, Inc.				
	9,762 tons prepared at Direnzo Breaker - D					(o) 7.884 tons prepared at Superior Breaker										
	753 tons prepared at Penag Breaker - Distr.					706 tons prepared at Stonehill Breaker - District 12.										
	6,388 tons prepared at Franklin Breaker -						Le entire year of 1967 - 1 employe on maintenance.									
(e)	1,038 tons prepared at Penag Breaker - Dis						18 tons prepared at Penag Breaker - District 30.									
(-)	2,888 tons prepared at Legal Breaker.					15 tons prepar										
	117 tons prepared at Kocher Breaker				131	tons prepared	at Legal E	reaker.								
	2,687 tons prepared at Pine Creek Breaker				132	tons prepared	prepared at Strohecker Breaker - District 12.									
	Bixler Coal Co. produced 3,090 tons of this						ared at Swift Breaker - District 24.									
	with 4 men, used 1,300 pounds of explosive	s. Changed to	Clark			75 tons prepar										
	Coal Co. in September 1967.					tons prepared										
(f)	2,125 tons prepared at Pine Creek Breaker					55 tons prepar										
	2,573 tons prepared at Hillside Breaker -					k W. Coal Co. produced 7,825 tons of this coal, worked 14 s with 13 men and used 7,500 pounds of explosives. Change										
	12,833 tons prepared at Schneck Breaker -								of explo	nves.	Change	зd				
	9,226 tons prepared at Oakwood Breaker - D					Marby Coal Co.			The set of a	+ 20						
	2,284 tons prepared at K. & P. Breaker - D 630 tons prepared at Penag Breaker - Distr					69 tons prepar 313 tons prepa										
	216 tons prepared at Direnzo Breaker - Dis					tons prepared										
(g)						tons prepared										
	36 tons prepared at Donaldson Breaker - Di					654 tons prepa										
<b>、</b> >	2,094 tons prepared at Franklin Breaker -					437 tons prepa			ker - Dis	trict	12.					
	6,998 tons prepared at Legal Breaker.					38 tons prepar										
	456 tons prepared at Kocher Breaker.				5,2	89 tons prepar	ed at Pine	Creek Break	er - Dist	trict 1	2.					
	26 tons prepared at Penag Breaker - Distri					92 tons prepar			District	30						
	132 tons prepared at Old Mill Breaker - Di	strict 19.				tons prepared										
(i)						19 tons sold u			truckers	s - Dis	strict :	12.				
(j)						tons prepared										
	51 tons prepared at Pine Creek Breaker - I		<b>`</b>			tons prepared			D2 - 4.	+ 10						
(k)		r - District L	۷.			tons prepared			- µistri	с 12.						
	3,129 tons prepared at Superior Breaker.					263 tons prepa tons prepared			istmiat '	20						
(1)	263 tons prepared at Legal Breaker. 12,452 tons prepared at Underkoffler Break	onDistrict	12			tons prepared										
(1)	12,452 cons prepared at onderkoitter break	$a_1 = 0$			09	oons prepared	a o benneck	DI GARCI U	1901.100							

District 16

Production - net : Sold

District 17

2,109

366

3,295

13,886

3,988

3,792

18,994

799

_

11.768

3Ь

296

375

128

75

1,190

4,743

1

truck

to

local

trade

Shipped to market By By

-

1,216

26

222

851

282

76

56

908

tons Used at

colliery

for steam

and heat

Total 1

(cc)

(dd)

(ee)

×

27

4

37

1/12

46

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9

148

production:

Pounds

permis-

sible ev-

430

220

1,850

9,800

4,175

2,965

1470

8,130

a

15,120 Ъ

130 c

3,850 d

19,622 e

4,691 c

4,036 f

939 c

21,240 g 15,000

plosives

Pounds

dynamite

used

 uction:
 used
 worked
 oyes
 dents
 dents

 9,544
 tons prepared at Kocher Breaker.
 5,562
 tons prepared at Superior Breaker.
 5,562
 tons prepared at Superior Breaker.
 1,113
 tons prepared at Superior Breaker.
 1,113
 tons prepared at Underkoffler Breaker - District 12.
 16,693
 tons prepared at Strohecker Breaker - District 12.
 12,693
 tons prepared at Penag Breaker - District 12.
 12,212
 tons prepared at Penag Breaker - District 12.
 3,212
 tons prepared at Underkoffler Breaker - District 12.
 550
 tons prepared at Underkoffler Breaker - District 12.
 515
 tons prepared at Dualdson Breaker - District 12.
 512
 tons prepared at Cakwood Breaker - District 30.
 132
 tons prepared at Kocher Breaker.
 3,251
 tons prepared at Cakwood Breaker - District 30.
 132
 tons prepared at Rocher Breaker.
 3,251
 tons prepared at Kocher Breaker.
 132
 tons prepared at Kocher Breaker.
 3,251
 tons prepared at Kocher Breaker.
 132
 tons prepared at Kocher Breaker.
 132
 tons prepared at Kocher Breaker.
 132
 tons prepared at Koche

132 tons prepared at Kooner Breaker. 3,251 tons prepared at Penag Breaker - District 30. 1,061 tons prepared at Underkoffler Breaker - District 12. 129 tons sold unprepared to itinerate truckers - Dist. 12 Ceased operations in October 1967

Davs

worked oves

34

287

40

259

246

236

50

62

260

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11

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1

12,452 tons prepared at Legal breaker. 13,452 tons prepared at Underkoffler Breaker - District 12. 338 tons prepared at Oakwood Breaker -District 30. (1)

DM

DM

ПМ

ПМ

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DM

DM

ΠМ

Nor thumberland

Northumberland

Nor thumber land

Northumberland

Northumberland

Northumberland

Northumber land

Northumberland

Nor thumber land

67 tons prepared at Legal Breaker.

B. & E. Coal Co.

Chestnut Coal Co.

B. & L. Coal Co. Zero Lykens Slope Bank Coal Co., Inc. 10 Vein S.D. Slope Bruno & Peifer Coal Co. 92 Vein N.D.No. 2 Slope

9 Vein S. D. Slope

Fetterolf Coal Co. * 11 Vein S. D. Slope Gem Coal Co. No. 3 11 Vein S. D. Slope

Chestnut Coal Co. 11 Vein N.D. No. 5 Slope D. H. & W. Coal Co. 9% & 10 Veins No. 1 & 4 Slopes D. & M. Coal Co. 1 Vein Lykens No. 1 & 2 Slopes Fairdeal Coal Co.

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Non

Fatal

dents

Empl- acci-

fatal

acci-

dents

				Dist	rict 17								
		-		Product	ion - net	tons		Pounds					
		:		:	Sold	Used at		permis-					Non-
		· *		market ;	to	colliery	:	sible ex-	Pounds			Fatal	fatal
		:	Ву	By :	local	for steam	Total :	plosives	dynamite	Days	Empl-	acci-	acci-
Operators and Collieries Gudelunas Coal Co.		County :	railroad	truck:	trade	_and heat	production:	used	used	worked	<u>oves</u>	dents	dents
12 Vein S. D. No. 3 & h Slopes	ΠМ	Northumber land		96	2,204		2,300 h	1,100	_	291	2		
H. J. & H. Coal Co.	111	Nor chumber Land	-	90	2,204	-	2,000 11	1000	-	291	2	-	. –
H. J. & H. Breaker	BP	Northumberland	-	_`	-		-	-	-	309	1.		
M. & C. Coal Co.	ы	NOT CHUMDELT SHO	-	-	-	-	-	-	-	209	4	-	-
9/2 Vein S. D. Slope	DM	Northumherland	460	6,528	614	77	7,679 c	4,050	-	271	5	_	_
Marquette Coal Co.			400	-,,===	•	.,	( <b>)</b> =() *	4,000		-1-			
12 Vein S. D. Slope	nм	Northumberland	-	3,320	_	-	3,320 i	2,425	-	360	հ	-	-
Moore Coal Co.				- ,				-,		2-0	-		
11 Vein No. 5 & 6 Slopes	DM	Northumberland	115	3.427	154	18	3.714 j	1,950	_	238	h	-	-
N. & L. Coal Co.			-										
4 Vein West Cross Pitch Slope	DM	Northumberland	19	267	25	3	314 с	170	-	70	3	-	-
Phillips Coal Co.									•	•			
10 & 10 2 Veins N.D. 3 & 4 Slopes	DM	Northumberland	582	13,234	775	91	14,682	6,300	-	296	7	-	-
ll Vein N. D. No. 5 & 6 Slopes	DM	Northumberland	310	7,802	405	50	8,567	2,310	-	295	5	-	1
Total			892	21,036	1,180	141	23,249 k	8,610			12		1
Reading Anthracite Co.													
Trevorton Breaker	BP	Northumberland	-	-	~	- ·	-	-	-	234	19	-	2
Trevorton Slush Bank 57-1	bk		43,600	2,275	13,310	-	59,185	-	-	194	6	-	-
. Trevorton Refuse Bank 228	bk	Northumberland	224	<u> </u>	52	-	290	-	-	10	2	-	
Total			43,824	2,289	13,362	~	59,475 1		-		27	-	2
Reidinger Coal Mining Co.													
Zero Lykens S. D. Slope	DM	Nor thumber land	54	590	120	. 4	768 m	380	-	96	4	-	-
Rocky Mountain Coal Co.				1 - 60			1 (00						
14 Vein N. D. No. 3 Slope	DM	Northumberland	173	4,198	230	- 29	4,630 n	4,400	-	212	4	-	-
Split Vein Coal Co., Inc.				2 1 (2			1 (0)				,		
12 Vein S. D. No. 2 Slope	DM	Northumberland	-	3,461	1,233	-	4,694 0	3,250	-	245	4	-	-
Springfield Coal Co. 7 & 5, Veins S. D. No. 1 Drift	MG	Nor thumberland	685	9,691	915	114	11,405 c	4,050		303	1		
T. & M. Coal Co.	Th1	Nor thumber Land	005	9,091	915	114	11,405 C	4,050	-	303	4	-	-
14 Vein S. D. No. 3 Slope	DM	Northumberland	110	183	62	11	366 p	185		87	3		
Whitney Coal Co.	101-1	NOT DIMIDELTATIO	110		02	TT	, 100 b	105	-	01	ر	-	-
11 Vein S. D. No. 2 & 3 Slopes	DM	Northumber land	1,191	76	14,229	L.	15,500 q	7,400	100	279	9	-	٦
	~	nor onongoor adding				4	q	1,400	100	217	/		<u> </u>
District Total			51,160	102,391	52,937	854	207,342	81,010	100	220	144	1	5

NOTE: (a) No production driving rock slope.
(b) 12,655 tons prepared at Bar Mac Breaker - District 24.
1,575 tons prepared at Sunshine Breaker - District 28.
702 tons prepared at Reidinger Breaker - District 24.
188 tons prepared at Diamond Breaker - District 20.

(c) All coal prepared at Sunshine Breaker - District 28.
(d) 3,700 tons prepared at Sunshine Breaker - District 28 150 tons prepared at H. J. & H. Breaker - District 17.

	and Collieries	County	: : Shipped to m : By : railroad	Producti	rict 17 on - net Sold to local trade	tons Used at colliery for steam and heat	Total productic (m) 340	Pound : permi : sible : plos n: used	s- ex- ves	Pounds dynamite used Reidinger	worked o	Fat: mpl- acc <u>yes_den</u> Distric	i- acc ts der	tal ci-
<u>operators</u> NOTE: (e)	13,609 tons prepa 3,758 tons prepa 1,017 tons prepa 622 tons prepare	red at Sunshine Break red at Split Vein Brea red at H. J. & H. Brea i at Reidinger Breaker i at D. & Z. Breaker - at Bar Mac Breaker -	ker. - District 24. District 24.				243 130 55 1 (n) 2,88 1,7	tons prep tons prep ons prepa 0 tons pr 0 tons p	pared at pared at prepared repared repared	D. & Z. Br Bar Mac Br Diamond Bre at Sunshine at H. J. &	reaker - D reaker - D eaker - Di e Breaker H. Breake	istrict : istrict : strict 20 - Distric r.	24. 24. 0.	
(1)	2,444 tons prepar 1,592 tons prepar	red at Reidinger Break red at Sunshine Breake s in 1967.	er - District 24. er - District 28.				1,20 Trij	lt tons p le."S" C	repared bal Co. 2.480 pc	at H. J. & at Split Ve produced 3 punds of exp	ein Breake ,410 tons, plosives.	r - Dist worked	що day	4. ys,
(g)	6,063 tons prepa	ared at Sunshine Break red at H. J. & H. Break d at D. & Z. Breaker - d at Split Vein Breake	. District 24.				Spl: (p) All	t Vein C coal pre	pared at	on August : t Carbon Ru i at Bar Ma	1, 1967. n Breaker c Breaker	- Distri - Distri	ct 24.	
(h) (i) (j)	All coal prepare 1,927 tons prepa	d at H. J. & H. Breake red at Sunshine Breake red at H. J. & H. Brea	er. er - District 28. aker.				Dal 210	laburda C davs. 9	oal Co. men. use	t Diamond B , Inc. prod ed 5,550 po Coal Co. on	uced 12,20 unds of ex	plosives	workeu 5.	
. (k) (l)	14,724 tons prep 8,525 tons prepa All coal prepare Trevorton Anthra	ared at Sunshine Break red at H.J. & H. Break d at Trevorton Breaker cite Co. produced 43,4 Changed to Reading An	ker - District 20. ker. r. 146 tons, worked 323					continued						
	November 15, 196	7		Dis	trict 18									
A. & D. Co Mammoth		DM Schuylkil	1 -	3,376	2,032	ці	1 5 <b>,</b> 1	52 a	5,200	-	314	կ	-	-
B. & N. Co	al Co.	BP Schuvlkil	1 -	-	-	-	-		-	-	215	4	-	-

A. & D. COAL CO. Mammoth Slope	DM	Schuylkill	-	3,376	2,032	կկ	5,452 a	5,200	-	لمتدو	4	-	•
B. & N. Coal Co. B. & N. Breaker	BP	Schuylkill	-	-	-	-	-	-	-	215	4	-	-
Bear Ridge Coal Co. Bottom Split Slope	DM	Schuylkill	-	2	44	2	48 ъ	25	-	21	2	-	-
Bernitsky Brothers Coal Co. No. 1 Slope	DM	Schuylkill	2,226	5,272	9,574	65	17,137 c	6,000	-	240	5	-	-
Bernitsky & Stenulis Partnership Bottom Split Slope	DM	Schuylkill	-	1,924	7,800	-	9,724 d	2,000	-	240	5	-	2
Bubel Coal Co. Bubel Tunnel	DM	Schuylkill	-	1,127	1,162	19	2,308 e	1,000	-	128	5	-	-
Bubel Mining Co., Inc. Holmes Slope	DM	Schuylkill	268	3,644	3,096	11	7,019 f	4,500	-	179	8	-	-
Correale Construction Co. Nesquehoning Cleaner Plant	В	Carbon	18,906	48,616	-	-	67,522	-	-	252 252	15 15	-	1 3
Nesquehoning Bank Total	bk	Carbon	18,906	48,616			67,522 g		•				4

1967

					ict 18								
				Product:	ion - net Sold	tons Used at		Pounds permis-					
			Shipped to		to	collierv		sible ex-	Pounds			Ental	Non- fatal
			By	By :	local	for steam	Total :	plosives	dynamite	Davs	Fmale	acci-	acci-
Operators and Collieries		County :	railroad	truck:	trade	and heat	production:	used	used	worked		dents	dents
D. H. M. & C. Coal Co.													
Buck Mountain Slope	IM	Schuylkill	204	1,320	803	24	2,351 h	3,000	100	162	4	-	-
Farley Coal Co.					N		1	1 7 4 4 4		-0-			<u>^</u>
Buck Mountain Slope	DM	Schuylkill	-	5,099	5,934	112	11,145_i	6,500	-	289	8	-	2
Fauzio Coal Co.				1 (00			75 000			~~			
No. 6 Bank	bk	Carbon	9,103	4,690	1,473	-	15,266 j	k -	-	55	4	-	-
Fegley Brothers Coal Co.				- 0	-			225		27	հ		
Primrose Slope	DM	Schuylkill	-	18	280	3	301 1	225	-	31	4	-	-
Film Coal Co., Inc.	-									237	11		2
Kaska Breaker	B	Schuylkill	-	14,727	-	-	32,439	-	-	237	10	-	2
Kaska Bank Total	bk	Schuylkill	$\frac{17,712}{17,712}$	14,727			32,439 m			231			<u> </u>
Gorenty Coal Co.			11,112			-	<u>الا 1949و22</u>						4
Gorenty Tunnel	DM	Schuylkill	16	39	190	2	247 n	250	-	30	2	-	-
Greenwood Mining Co.	141	OCHUŞIKITI	10		1/0	-		270	_	50	-		
Greenwood Breaker	BP	Schuylkill	_	-	-	-	_	-	-	2ևև	90	_	10
J. & E. Coal Co.	51	oond and an											
J. & E. Breaker	BP	Schuylkill	· _	-	-	-	-	-	-	145	12	-	-
K. M. & F. Coal Service													
K. M. & F. Breaker	BP	Schuylkill	-	-	- '	-	· _	-	-	35	4	-	-
Klimas Coal Co.													
No. 7 Slope	DM	Schuylkill	248	4,008	3,972	59	8,287 0	4,300	2,200	296	9	-	1
Kristoff Coal Co.		-		-	-								
Four Foot Slope	DM	Schuylkill	-	-	70	-	70 p	25	-	40	4	-	-
Lanscoal Mining Co., Inc.													
No. 9 Mine	DM	Carbon	13,741	7,079	2,224	-	23,044 ј	12,800	2,600	229	17	-	1
Lehigh Valley Anthracite, Inc.										-1.6	_		
Salem Creek Breaker	BP	Schuylkill	-	-	-	-	-	-	-	246	5	-	-
Manbeck Dredging Co., Inc.										070			
No. 6 Washery	W	Carbon	-	-	-	-	-	-	-	278. 278	2	-	-
No. 6 Bank	bk	Carbon	· -	97,000			97,000			270			
Total Mar Strip & Excavating Co.				97,000			97,000 q				<u> </u>		<u>⊥</u>
No. 11 Bank	bk	Schuylkill	48,717	25,098	7,884	_	81,699 j			236	23		_
Mountain Side Coal Co.	DK	Schuyikill	40,111	25,090	7,004	-	01,077 J	-		200	25	-	-
Mountain Side Breaker	BP	Schuylkill	_	_		_	_	_	_	305	2	-	-
Pacine Contracting Co.	Dr	Octuda TET T	-	-	-	-	-	-	-	505	-	-	
Schuylkill Bank	bk	Schuylkill	217	456	2,663	22	3,358 r	_	_	183	2	_	-
Premium Fine Coal Co., Inc.	DA	OCHOY LICE II	CT1	4,0	2,000		J, J, J , I			100	-		
Premium Fine Coal Plant	W	Schuylkill	-	-	-	-	-	-	-	176	3	-	-
Premium Bank	bk	Schuylkill	13,286	11,233	_	-	24,519	-	-	176	ŝ	-	-
Total		•	13,286	11,233	-	-	24,519 s	-	-	· · ·	5		-
				• • • • • •									

					<u>rict 18</u> ion - net	+005		Pounds					
		0	 Shipped to By railroad	o market_: By : truck:	Sold to local trade	Used at colliery for steam and heat	: Total : production:	permis- sible ex- plosives used	Pounds dynamite used	Days worked		Fatal acci- dents	acci-
Operators and Collieries		County	 raliroad	LIUCK.	tidde	dild ilder				265	5	_	-
Brockton Breaker	BP	Schuylkill	-	-	-	-	-	-	-	20)			•
Randolph Coal Co. Randolph Washery Randolph Bank	W bk	Schuylkill Schuylkill		8,026			8,026 8,026			288 288	2 1 3	-	
Total				0,020			·			148	8		3
Reading Anthacite Co. Pine Forest Cleaner Plant	в	Schuylkill	-	-	-	-	-	-	-	140	c	, -	)
Schickram, William No. 8 Bank	bk	Schuylkill	41,025	21,135	6,639	-	68,799	j. –	-	251	13	3 -	-
Silver Creek Coal Co., Inc. Silver Creek Breaker	BP	Schuylkill	-	-	-	-	-	-	-	50	1	•	-
Skripnek Coal Co. Skidmore Slope	DM	Schuylkill	-	12	230	l	243	u 200	-	26	2	2 -	-
South Tamaqua Coal Pockets South Tamaqua Breaker	BP	Schuylkill	-	-	-	-	-	-	-	21.6	1	4 -	-
Spring Creek Coal Co. Spring Creek Breaker	BP	Schuylkill	-	-	-	-	-	-	-	26	2	2 -	-
Tracy Vein Slope	DM	Schuylkill	359	1,428	1,519	16	3,322	v 2,500	200	268	:	3 -	-
Whippoorwill Coal Co. Top Split Slope	ШM	Schuylkill	-	397	4,672	48	5,117	w 2,875	-	257	2	3 -	-
Williams Coal Co., Evan Primrose Slope	DM	Schuylkill	-	1,248	3,006	43	4,297	x 2,600	-	232		4 -	-
Zakrewsky Coal Co.	DM	Schuylkill	23	18,138	4,769	14	22,944	y <u>3,850</u>		284		9 -	<u> </u>
Leader Slope District Total	DM	Scualikiii	166,051	285,112	70,036	485	521,684	57,850	5,100	221	34	9 -	. 28

NOTE: (a) 1,381 tons prepared at J. & E. Breaker. 1,068 tons prepared at Valley Breaker - District 15.
(b) 30 tons prepared at K. M. & F. Breaker. 18 tons prepared at K Mountain Side Breaker. Ceased operations in May 1967.
(c) 10,599 tons prepared at S. & P. Breaker - District 19. 6,538 tons prepared at Glenn Worth Breaker - District 19. (d) 2,291 tons prepared at Wesner Breaker - District 15. 6 tons prepared at Sky Top Breaker - District 26. 7,427 tons prepared at Starwood Breaker - District 26.

(e) 48 tons prepared at B. & N. Breaker.
1,062 tons prepared at J. & E. Breaker.
271 tons prepared at K. M. & F. Breaker.
558 tons prepared at Glenn Worth Breaker - District 19.
369 tons prepared at Starwood Breaker - District 26.
(f) 2,741 tons prepared at J. & E. Breaker.
150 tons prepared at J. & E. Breaker.
29 tons prepared at X.M. & F. Breaker.
29 tons prepared at X. M. & F. Breaker.
150 tons prepared at X. M. & F. Breaker.
150 tons prepared at X. M. & F. Breaker.
19 tons prepared at X. M. & F. Breaker.
19 tons prepared at X. M. & F. Breaker.
19 tons prepared at K. M. & F. Breaker.
19 tons prepared at K. & P. Breaker - District 19.
1,958 tons prepared at Starwood Breaker - District 26.

					Distr	ict 18								
					Producti	ion - net	tons	1	Pounds					
				:	:	Sold	Used at	:	permis-					Non-
				shipped to n	narket :	to	colliery	:	sible ex-	Pounds			Fatal	fatal
				By	By :	local	for steam	Total :	plosives	dynamite	Days	Empl-	acci-	acci-
Operators.	and Collieries			: railroad	truck:	trade	and heat	production:		used	worked		dents	dents
NOTE: (f)	Three Par Coal Co.	produce	d 150 tons, work	ed 39 days,				(p) All coal				er.		
	with 2 men, and use	d 100 p	ounds of explosi	ves. Changed to	D					rehabilitat				
	Bubel Mining Co. in	. June 1	967.					(q) All coal j	prepared at	t No. 6 Was	hery.			
(g)	All coal prepared a			District 15.				(r) 2,170 ton	s prepared	at Silver	Creek Bre	aker		
ćĥ	84 tons prepared at							244 tons	prepared a	t Spring Cr	eek Break	er.		
()	2,267 tons prepared	at Min	ersville Breaker	- District 19.				944 tons	prepared a	t Valley Br	eaker - I	istric	t 15.	
	D. & H. Partnership	nroduc	ed 1.083 tons, w	orked 82 days,				(s) All coal	prepared a	t Premium F	ine Coal	Plant.		
	with 3 men, used 1,	100 001	nds of explosive	s. Changed to				(t) All coal						
	D. H. M. & C. Coal									Mountain S		er.		
(3)	4,781 tons prepared									Spring Cre				
(1)	1,789 tons prepared			er.						Valley Bre			; 15.	
	4,575 tons prepared									Wesner Bre				
(3)	All coal prepared a	+ 67007	wood Bresker					(v) 1,140 ton						
(k)	Began operations in	March	and cased in Se	ntember 1967						K. M. & F.				
	32 tons prepared at			poember 1901.						t Mountain				
(1)	185 tons prepared a									t South Tar				
	84 tons prepared at									at K. & P.			mint 1	0
				TC0 T2.				(w) 4,793 ton					MICO I	
6.5	Ceased operations d									t Wesner Br			+ 75	
	All coal prepared a							(x) 351 tons					-CI 01	
(n)	88 tons prepared at									at South I				
<i>/</i> \	160 tons prepared a									d at Brockt			,	
(0)	2,142 tons prepared									at South 1				
	2,184 tons prepared							1,412 ton	s prepared	t D. & Z. H	anaqua Dr	Di atri	a+ 17	
	1,722 tons prepared									t Starwood				
	2,013 tons prepared							300 tons	prepared a	t Starwood	preaker -	DISCI	CTCC 20	•
	226 tons prepared a	LU X. &	P. Breaker - Dis	trict 19.										
					<b>D</b> 2 -									
Big Hill Co					DLS	trict 19								
Big Hill		IM	Schuylkill					- a	_	_	36		3 -	
		Th.	SQUATE	-	-	-	-	- a	-	-		·	-	
Bosack Coal			a	10	2 520	2 206	28	7,012 Ъ	850		267	,	5 -	
	ift Tunnel	ЦМ	Schuylkill	49	3,539	3,396	20	d 510,7	050	-	201		2 -	-
CLSCoal		-									200	,	8 -	1
	ring Breaker	В	Schuylkill	-		-	-	-	-	-	139 83	,	ι -	1
Lytle Bar		bk	Schuylkill	174	11,126	390	<b>_</b>	11,690			0		4 -	<u> </u>
	Total.			174	11,126	390	-	11,690 c		-				2
Cass Contra											-14		•	
Marlin B		BP	Schuylkill	~	-	-	-	-	-	-	143	5	9 -	2
Coxe Coal C					- 1 - 1			4.77					,	
Woods Dr		DM	Schuylkill	2,796	1,454	1,400	19	5,669 a	6,100	-	168	5	4 -	-
	Co., Frederick P.	-14				0.000	-	1 007	0.07			<u> </u>	۲	г
No. 12 Ro	ck Slope	DM	Schuylkill	33	1,771	2,188	. 9	4,001 e	935	-	23	7	5 -	1

					<u>ict 19</u> on - net	tons		Pounds					
Operators and Collieries		County	: <u>Shipped t</u> By :railroad	o market By : truck:	Sold to local trade	Used at colliery for steam and heat	: Total : production:	permis- sible ex- plosives used	Pounds dynamite used	Days worked		Fatal acci- dents	Non- fatal acci- dents
DiRenzo Coal Co.									_	209	7	-	-
DiRenzo Breaker	BP	Schuylkill	-	-	-	-	-	-	-	207			
F. & Z. Coal Co.	-	Schuylkill	108	966	659	20	1,753 f	1,200	-	112	5	-	-
Buck Slope	DM	Schuyikili	100	,						198	3	_	_
Glenn Worth Coal Co. Glenn Worth Breaker	BP	Schuylkill	-	-	-	-	-	-	-	190	ر	-	-
H. & P. Coal Co.		•	_			16	3,650 g	2,450	-	169	հ	-	-
No. 1 Buck Mountain Slope	DM	Schuylkill	150	2,051	1,433	10	,0,0 g	2,470					
Halaburda Coal Co.		a	-	-	-	-	- á	i -	-	<u>41</u>	2	-	-
No. 2 Seven Foot Slope	IM	Schuylkill	-								8		2
Hegins Mining Co. Sharp Mountain Slope	IM	Schuylkill	2,137	7,379	8,098	7	17,621 1	n 12,000	. –	309	c		2
Horvath Partnership						ւր	1,688	i 850	-	107	L		-
Seven Foot Vein Slope	DM	Schuylkill	165	974	535	14	1,000 1	1 0,0		201			
Industrial Coal Sales Co.			2,297	4,738	լիկ	-	7,179	i -	-	47	3	s –	-
Branchdale Bank	bk	Schuylkill	2,271	4,190	144			0				<b>`</b>	
K. & P. Coal Co. K. & P. Breaker	BP	Schuylkill	. –	-	-	-	-	-	-	190	8	· -	-
Koch Coal Co.	DI	0011 <b>0</b> ,				,	1,107	k 1,375	-	128	1		-
Selkirk Slope	DM	Schuylkill	-	763	340	4	1,01,1	را روله K		100			
Live Oak Coal Co.				-	-	-	-	-	-	237	5	5 -	1
Live Oak Breaker	BP	Schuylkill	-	-	-					- 0 -		_	0
M. & N. Coal Co.	ЦM	Schuylkill	1,123	1,677	1,036	7	3,843	2,000	-	189 180		· ·	2
Middle Split Slope Peach Mountain No.	DM	Schuylkill	236	1,158	454	2	1,850	1,450		100		<u>;                                    </u>	<u> </u>
Total	<b>2</b>		1,359	2,835	1,490	9	5,693	1 3,450			·		<u> </u>
Manbeck Dredging Co., Inc.					-		_	-	-	182		5-	. 2
Forestville Washery	W	Schuylkill	-	33,800	-	-	33,800	m -	-	182		4 -	
Lytle Bank	bk W	Schuylkill Schuvlkill	-	-	-	-	-	-	-	162		5.	
Lowland Washery Lowland Bank	w bk	Schuylkill	23,000	500			23,500			162	1	4	
Total	0.1	0.000 y	23,000	34,300			57,300					<u> </u>	
Martin Enterprises				564	310	24	978	i 500	-	67		4.	
Woodside Tunnel	DM	Schuylkill	80	504	016	24	710	1 ,000					
Minersville Coal Co., Inc.	BP	Schuylkill	_	-	-	-	-	-	-	300	l i	9 ·	
Minersville Breaker Old Mill Coal Yard	BP	ScunArtr								228		3	_
Old Mill Breaker	в	Schuylkill	-	-	-	-	-	-	-	226		י נ ו	
Old Mill Slush Bank	bk		8	16	1		25					1	
Total			8	16	1		25	<u></u>				<u> </u>	
Olenick Brothers Coal Co.	<b>PP</b>	Schuylkill	_	_	-	-	-	-	-	212	2	3	.2
Olenick Breaker	BP	SCURATETT	-	-	2								

					rict 19								
					<u>ion - net</u>			Pounds					
			*	• • •	Sold	Used at	:	permis-					Non-
				market :	, to	colliery	*	sible ex-	Pounds	_		atal	
Operators and Collieries		County	: By : railroad	By : truck:	local trade	for steam and heat	Total : production:	plosives used	dynamite used	Days worked	Empl- a oves d		acci- dents
P. & H. Coal Co.		county	. 14111040	LI GUK.	LIAUE	and neac	productions	useu	useu	worked	oves o	ents	dents
White Ash Slope	DM	Schuylkill	89	248	1,360	-	1,697 0	1,400	-	142	4	-	-
Phoenix Contracting Co.			•	-									
Black Heath Breaker	BP	Schuylkill	-	-	-	-	<u> </u>	-	-	136	8	-	1
Reading Anthracite Co.											•		
New St. Nicholas Breaker	в	Schuylkill	-	-	-	-	-	-	-	225	37	-	4
New St. Nicholas Fine Coal Plan	t W	Schuylkill	-	-	-	-	-	-	-	244	30	-	2
Beechwood Cleaner Plant	в	Schuvlkill	-	-	-	-	-	-	-	225	6	-	3
Oak Hill Slush Bank No. 73	bk	Schuylkill	71,301	-	-	· -	71,301 p	-	-	235	6	~	-
Anchor Refuse Bank No. 155-C	Ъk	Schuylkill	117	41	80	-	238 q			4	1	-	-
Total		•	71,418	41	80		71,539	-			80	-	9
Rickert Coal Co.													
Tracy Slope	DM	Schuylkill	-	1,083	820	12	1,915 r	2,400	-	148	6	-	-
Scheib Coal Co.													
Scheib Slope	DM	Schuylkill	557	545	100	16	1,218 s	450	-	73	4	-	-
Scott Coal Co.										_			
Buck Slope	DM	Schuylkill	30	187	103	5	325 i	200	200	57	3	-	-
Seanawaitis Brothers Coal Co.										- 0			
Bottom Split Slope	DM	Schuylkill	397	4,410	3,858	21	8,686 t	3,000	8,000	280	4	-	-
Siminitus Coal Co.							÷						
Four Foot Slope	IM	Schuylkill	-	-	-	-	- a	-	-	34	4	-	-
Snyder Coal Co., Leroy			- 0 -				- /			<b>•</b> •••	0		
No. 2 Buck Mountain Slope	DM	Schuylkill	280	5,998	3,340	11	9,629 u	7,950	-	280	8	-	-
Sorokach Coal Co.							1 000 1			050	h		
Sorokach Slope	DM	Schuylkill.	կկկ	2,774	1,524	66	4,808 i	1,300	-	252	4	-	-
Swatara Coal Co.			- ( 1	0.000			00, 001			80	5		
Otto Bank	bk	Schuylkill	16,954	8,010	3,227	113	28,304 v	-	-	60	5	-	-
Westwood Coal Co.	-		7 900	0.000	5,707	100	16 777	10 500	850	232	8		
Westwood Slope	DM	Schuylkill	1,808	9,003	5,101	199	16,717 w	10,500	050	432	0	-	-
Woodside Mining Co.	-	a					-			46	2		
Buck Mountain Slope	DM	Schuylkill	<u> </u>				<u> </u>			40	٤		<u>_</u>
District Total		e e e e e e e e e e e e e e e e e e e	124,333	104,775	40,503	593	270,204	56,910	9,050	190	278	-	27

NOTE:

(a) Maintenance work only.
(b) 2,158 tons prepared at Glenn Worth Breaker.
173 tons prepared at Old Mill Breaker.
1,398 tons prepared at E. & N. Breaker - District 18.
3,082 tons prepared at Live Oak Breaker.
201 tons prepared at K. & P. Breaker.
(c) All coal prepared at Maple Spring Breaker.

7,500

975

-

6,250

-

281,000 e

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272

133

283

272

248

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25

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(d) 1,096 tons prepared at DiRenzo Breaker.
h,573 tons prepared at Swatara Breaker - District 21.
(e) 1,152 tons prepared at Live Oak Breaker.
2,667 tons prepared at Olenick Breaker.
(f) 563 tons prepared at Live Oak Breaker.
1,161 tons prepared at Minersville Breaker.
29 tons prepared at Olenick Breaker.
Ceased operations in September 1967.

					Productio		tone			Pounds					
						Sold	Used at		<u> </u>	permis-				N	Ion-
				Shinned to	market :	to	colliery			sible ex-	Pounds		Fa	tal f	atal
			:	By	By :	local	for steam	Total		plosives	dynamite	Days			
0	and Collieries		County :	railroad	truck:	trade	and heat	product			used		oves de		
NOTE: (g)	100 tons prepared	at H111	side Breaker - Distr		<u>tradici</u>					prepared a					
10121 (8)			& N. Breaker - Dist							prepared a					•
	326 tons prepared			ALCO LO.						ons prepared					
	1,730 tons prepare									s prepared a				18	
			Z. Breaker - Distri	ct 24						prepared a					
	Ceased operations									prepared a					
(h)	10,343 tons prepa									prepared at					
()			llside Breaker - Dis	strict 21.						prepared a					
(i)	All coal prepared									ons prepared					
ĵ			ldson Breaker - Dist	rict 30.						ons prepared					
(k)	464 tons prepared									prepared a				21.	
()			ood Breaker - Distri	ct 30.						ons prepared					
	460 tons prepared									prepared a					
			ed 8 tons, worked 23	days, 4 me	n,					ons prepared					
			ives. Changed to Ko							prepared a					
	in May 1967.		••••••							ons prepared				.ct 30	
. (1)	1,848 tons prepar	ed at Ol	enick Breaker.							ons prepared					
			atara Breaker - Dist	rict 21.				20	3 tons	prepared a	t Live Oak	Breaker.			
			Z. Breaker - Distri					73	4 tons	s prepared a	t DiRenzo E	reaker.			
			N. Breaker - Distri							prepared at			er - Dista	ict 1	2.
(m)	All coal prepared							(v) A1	l coal	prepared a	t Swatara B	reaker -	District	21.	
(n)	All coal prepared							(w) 14	392 1	tons prepare	d at Miners	ville Bre	eaker.		
(o)	All coal prepared									ons prepared					
					Dist	ict 20									
B. & B. Coa															
No. 127 S		DM	Northumberland	1,696	700	269	27	2,0	592 a	2,100	-	185	5	-	-
Bridy Coal															
Bridy Slo		DM	Northumberland	67	1,274	-	-	1,	341 ъ	850	-	177	4	-	-
Bridy, Inco															
Atlas Was		W	Northumberland	-	-	-	-		-	-	-	286	8	-	1
Burnrite Co	al Co.														

District 19

281,000

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Northumberland

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					rict 20								
		-	· · · · · · · · ·	Product	ion - net Sold	tons Used at		Pounds permis-					
		:	Shipped to	•	to	colliery		sible ex-	Pounds			Eat al	Non- fatal
			By	By :	local	for steam	Total :	plosives	dynamite	Days	Empl-	acci-	
Operators and Collieries		County :	railroad	truck:	trade	and heat	production:	used	used	worked		dents	
Hanks Coal Co.													
No. 2 Slope No. 2 Lykens Vein	DM	Northumberland	992	-	2,797	33	3,822 f	2,950	-	267	4	-	-
Hepler Coal Co. Skidmore No. 1 & 2 Slopes	734	Northumberland	1,218	503	100	10	2 022 -	7 000		79	~		
K. & Z. Coal Co.	DM	Northumpertand	1,210	505	193	19	1,933 a	1,200	· -	19	5	-	
No. 8 & 9 Vein Slope	DM	Northumberland	27	517	_	_	544 ъ	275	_	36	3	_	_
Kaleta Coal Co.	141	NOT OUTDOEL TRUC		21	_	-	244 0	E12	-		)	-	-
No. 6 & 7 Vein Slope	ПM	Northumberland	-	2,245	749	-	2,994 g	1,350	-	162	5	-	-
M. & P. Coal Co.							-,,,,,,	,			-		
Sayre Bank	bk	Nor thumberland	1,590	4,829	535	7	6,961 h	-	-	191	2	-	-
M. & S. Coal Co.				-			-						
Holmes Slope	DM	Columbia	-	2,960	980	-	3,940 g	2,500	-	250	4	-	-
M. & W. Coal Co.													
Merriam Slope	DM	Columbia	10,036	4,142	1,593	159	15,930 a	16,200	-	301	9	-	1
Morack Coal Co. Buck Slope	-	6. J		0 (2)	878		2 520	2 21 9		000			
Poponiak Brothers Coal Co.	IM	Columbia	-	2,634	0/0	-	3,512 g	3,348		223	3	-	-
No. 6 & 7 Vein Slope	DМ	Northumberland	200	222	1,201	8	1.631 i	850	· _	236	з	_	_
R. & L. Coal Co.	111	NOT GITTING ET TAILO	200	~~~~	1,201	Ū	1 10001	0,0	-	200	2	-	_
Germantown Slope	DM	Columbia	2,059	850	327	33	3,269 a	1,650	-	120	)ı	-	
Savitski Brothers Coal Sales	2		-,-,,	• • • •	541		,,, u	2,000		200	4		
Savitski Breaker	BP	Northumberland	-	-	-	-	-	-	-	269	6	-	-
No. 1 Shaft	DM	Nor thumberland	-	· _	-	-	- #	-	-	269	1	-	-
Total				-	~	-					7		
Scott Coal Co.													
Seven Foot Vein Slope	IM	Columbia	1,233	509	196	20	1,958 a	. 1,050	-	210	3	-	-
State Coal Co.										0.70			
Pennsylvania Bank State Cleaning Plant	bk	Northumberland	172,639	-	-	-	172,639	-	-	279	27	-	
Total	BP	Northumberland	172,639				172,639 j			279	<u>17</u> LL		
Swamp Coal Co.			112,037				1/2,009 ]						4
No. 92 Vein Slope	DM	Northumberland	34	700		11	735 k	650		199	3		<u> </u>
District Total	۰.		477,279	37,893	11,976	390	527,538	49,698	-	244	162	-	6
1 / A													

NOTE: (a) All coal prepared at Manunoth Breaker - District 26.
(b) All coal prepared at D. & Z. Breaker - District 21.
(c) 1,085 tons prepared at Hoover Breaker - District 21.
808 tons prepared at Ace Breaker - District 21.
12,930 tons sold direct to Merck Chemical Co.

(d) 210 tons prepared at Diamond Breaker.
1,111 tons prepared at D. & Z. Breaker - District 24.
(e) All coal shipped direct to Penna. Power & Light Co.
(f) 3,291 tons prepared at Hoover Breaker - District 24.
531 tons shipped direct to Penna. Power & Light Co.

				Distr	ict 20								
				Producti	on - net	tons		Pounds					
			:	:	Sold	Used at	:	permis-					Non-
			: Shipped to m	arket :	to	colliery	:	sible ex-	Pounds			Fatal	
			t By	By :	local	for steam	Total :	plosives	dynamite	Days	Empl-		acci-
Operators and Collieries			: railroad	truck:	trade	and heat	production:	used	used	worked	oves		dents
NOTE: (g) All coal prepared							(j) All coal		it State CIE	eaning Pla	ant.		
(h) 2,024 tons prepare									biminick H				
271 tons prepared			District 24.				665 tons	prepared a	at K. & D. H	Breaker -	Distri	ct 24.	
743 tons prepared			D 01						ly, breaker			· .	
3,923 tons prepare (i) 380 tons prepared			- District 24.						erated by C				1
(1) 300 tons prepared 1.251 tons prepared			Distant of Ol.					19 men. ( 16, 1967.	Changed to I	namond Co	Dal Co.	on	
L,251 Wits prepare	su at opr	To vern preaket.	- 115 01100 24.				January	10, 1907.			~~~~		
				Dis	trict 2 <u>1</u>			~					
B. & H. Coal Co.							•	0					
Bottom Split Slope	IM	Schuylkill	260	կոկ	124	4	. 802 a	a 800	- ,	126	3	-	-
Dembinsky Coal Co.			0/7				- 10						
No. 3 Slope Echo Coal Co.	DM	Schuylkill	267	1,922	1,253	41	3,483 1	o 3,500	-	233	4	-	-
Echo Breaker	BP	Schuylkill	-					ŧ -	-	71	3		
Falls Coal Co.	Dr	SCHUYIKITI	-	-	-	-		* -	-	11	ر	-	-
Buck Mountain Slope	DM	Schuylkill	_	211	30	1	242 0	300	_	47	3	_	_
Good Spring Coal Co.	141	Dourd THEFT		-11	50	-	-42 (	. )00		41	,		
Buck Mountain Slope	DM	Schuylkill	91	1,571	457	5	2,124	1,400	100	81	հ	-	-
Haas Coal Co.				-,,,,-		-		,			-		
No. 2 Slope	DM	Schuylkill	759	4,107	2,405	14	7,285 6	÷ 4,000	-	168	5	-	-
Hatter Coal Co.													
No. 1 Slope	DM	Schuylkill	725	9,701	1,446	~	11,872 i	12,000	300	264	8	-	1
Hegins Mining Co.	_												
Hillside Breaker	В	Schuylkill	-	10,568	- 110				-	300	6	-	-
No. 5 West Slope	DM	Schuylkill			7,448	. 18		18,050	500	302	14	-	<u> </u>
Total Herring Brothers Coal Co.				10,568	7,448	10	18,034 (	3 18,050	500		20		<u>_</u>
Herring Slope	IM	Schuylkill	252	1,209	158	14	1,623 1	850	_	188	5		7
Industrial Coal Sales Co.	LM	OCHUYIKLII	2,72	1,209	190	4	1,0201	1 050	-	100	2	-	Т
Lincoln Bank	bk	Schuylkill	3,328	6,865	209	_	10,402 :	-	_	89	3	-	-
K. S. F. Coal Co.	Dic	Domog THEFT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,009	20)		10,401				,		
K. S. F. Slope	DM	Schuylkill	5,584	15,508	4,385	119	25,596	j 18,500	-	304	11	-	-
Klinger Coal Co.		•											
No. 1 Slope	DM	Schuylkill	791	2,108	1,820	7	4,726 1	2,200	-	267	3	-	-
Koons Coal Co., Marcus													
Koons Drift	DM	Schuylkill	375	1,384	279	6	2,044	L 800	-	21.3	3	-	-
L. E. H. Mining Co.			1.0		01					- • •			-
L. E. H. Slope	DM	Schuylkill	42	5,517	3,784	12	9,355 r	1 5 <b>,</b> 500	-	241	5	-	1
M. & W. Coal Co.	τM	C-h-m21-172	62	1 090	-10		2 007	1 000		<i></i>	5		
Orchard Slope M. W. S. Coal Co.	DM	Schuylkill	QΖ	1,082	148	3	1,295 1	n 1,000	-	57	5	-	-
Holmes Slope	DM	Schuylkill	1,313	10,504	2,449		-1 -000						
TOTILES STODE	DI	OCHUY INTII	ربروب	10,504	2,449	22	Ц <b>,</b> 288 с	11,950	-	280	6	-	-

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Instruction - returns         Pounds						Diet	miat 27											
Barthers and Colleries         County         silinged of set (1)         Sold         Used at (1)         permission of collery								+			D							
Constructors and Colleries         County         i raliread         Truck:         truck:         truck         truck         truck         production         used         world         world         world         dents           Minbool, Deank         bk         Schuylkill         -         13,100         -         -         13,100         -         -         64,3         -           Miller Golo         M         Schuylkill         395         6,124,1,375         2         7,896 q         2,400         -         200         3         -         -           Miller Golo         M         Schuylkill         321         1,100         233         6         1,663 r         1,200         -         210         3         -         -         -         -         t         100         50         9         3         -         -         -         t         100         50         9         3         -         -         -         t         100         50         9         3         -         -         -         t         100         50         60         3         -         -         -         t         100         50         50         60						o market :	Sold to	Used at colliery	Total	-	permis- sible ex-		Dave	Emu) -		fat	a1	
Manbeck Predging Co., Inc.       bk       Schuylkill       -       13,100       -       -       13,100       -       -       64       3       -         Miller Sola Co.       M       Schuylkill       395       6,124       1,375       2       7,896 q       2,400       -       297       3       -         Muller Sola Co.       M       Schuylkill       395       6,124       1,375       2       7,896 q       2,400       -       297       3       -         Wennickal Dispot Co.       M       Schuylkill       321       1,400       233       6       1,663 r       1,200       -       210       3       -       -         Wennickal Dispot Co., James       M       Schuylkill       350       8,138       9,267       32       17,472 s       7,500       400       291       6       -       -         Back Mountain Dirft       M       Schuylkill       3,032       4,032       5,781       23       13,903 u       -       -       78       3       -       -         Reil Coal Co., Inc.       M       Schuylkill       3,052       15,500       50       60       3       -       -         Besi			County															
Miler Sole       M Schwylkill       395       6,124       1,375       2       7,866 q       2,400       -       297       3       -         Montain Top Coal Co.       Orchard Slope       M Schwylkill       324       1,305       2       7,866 q       2,400       -       297       3       -       -         Mennesiter Cal Co.       DM Schwylkill       324       1,300       233       6       1,663 r       1,200       -       210       3       -       -         No. 1 Slope Co.       DM Schwylkill       35       8,138       9,267       32       17,172 s       7,500       400       291       8       -       -         Pather Mead Cal Co.       DK       Schwylkill       3,990       4,032       5,784       97       13,903 u       -       -       78       3       -       -         Reschwein A Beury Cal Co.       DM Schwylkill       3,032       4,500       5,813       23       13,368 v       11,500       -       239       10       1       -         Reichee Cal Co., Inc.       DM Schwylkill       2,946       1,392       560       20       4,938 x       3,875       -       234       5       -       -																		
Montain Top Coal Co.       In Minimum 1999       1999       1       1999       1       1999       1       1999       1       1999       1       1999       1       1999       1       1999       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 </td <td></td> <td>bk</td> <td>Schuy1ki11</td> <td></td> <td>-</td> <td>13,100</td> <td>-</td> <td>-</td> <td>13,10</td> <td>0 p</td> <td>-</td> <td>-</td> <td>64</td> <td>3</td> <td>-</td> <td></td> <td>-</td> <td></td>		bk	Schuy1ki11		-	13,100	-	-	13,10	0 p	-	-	64	3	-		-	
Montain Top Coal Co.       IM       Schuylkill       324       1,100       233       6       1,665 r       1,200       -       210       3       -         Neumesiter Cal Co., James       IM       Schuylkill       35       8,138       9,267       32       17,172 s       7,500       L00       200       20       8       -         Panther Head Coal Co.       IM       Schuylkill       -       -       -       t       100       50       9       3       -         Panther Head Coal Co.       IM       Schuylkill       3,990       4,032       5,784       97       13,903 u       -       -       788       3       -         Phoenk Kountain Drin       IM       Schuylkill       3,090       4,032       5,781       23       13,368 v       11,500       -       289       10       1       -         Book Kountain Sine       IM       Schuylkill       3,032       4,500       5,813       23       13,368 v       11,500       -       281       5       -       -       780       80       3       -       -       780       80       3       -       -       780       80       3       210       11 <td></td> <td>IM</td> <td>Schuylkill</td> <td></td> <td>395</td> <td>6,124</td> <td>1,375</td> <td>2</td> <td>7,89</td> <td>6 g</td> <td>2,400</td> <td>-</td> <td>297</td> <td>3</td> <td>_</td> <td></td> <td>· _</td> <td></td>		IM	Schuylkill		395	6,124	1,375	2	7,89	6 g	2,400	-	297	3	_		· _	
Neumeister Cal Co., James       IM		-	a		2.01					-	-			-				
No. 1 Slope       IM       Schwylkill       35       8,138       9,267       32       17,172 s       7,500       400       291       8       -         Buck Mountain Drift       IM       Schuylkill       -       -       -       -       -       100       50       9       3       -       -         Buck Mountain Drift       IM       Schuylkill       3,990       4,032       5,784       97       13,903 u       -       -       78       3       -       -         Reichwein Keury Goal Co.       IM       Schuylkill       3,032       4,500       5,613       23       13,968 v       11,500       -       239       10       1       -         Rekal Coal Co., Inc.       IM       Schuylkill       2,946       1,392       560       20       4,918 x       3,875       -       234       5       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		DM	Schuyikill		324	1,100	233	6	1,66	3 r	1,200	-	210	3	-		-	
Parther Head Coal Co.       DM Schuylkill       -       -       -       -       t       100       50       9       3       -         Buck Mountain Drift       DM Schuylkill       3,990       4,032       5,784       97       13,903 u       -       -       78       3       -         Reichmein & Beury Coal Co.       DM Schuylkill       3,032       4,500       5,813       23       13,368 v       11,500       -       239       10       1       -         Reichmein & Beury Coal Co., Inc.       DM Schuylkill       3,032       4,500       5,813       23       13,368 v       11,500       -       239       10       1       -         Remininger Coal Co., Inc.       DM Schuylkill       2,946       1,392       560       20       4,918 x       3,875       -       234       5       -       -         S. & F. Coal Co.       DM Schuylkill       1,419       5,176       3,238       1       9,834, y       6,200       -       221       5       -       -       -       73       3       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <td>No. 1 Slope</td> <td>DM</td> <td>Schuylkill</td> <td></td> <td>35</td> <td>8,138</td> <td>9,267</td> <td>32</td> <td>17.17</td> <td>2 s</td> <td>7.500</td> <td>100</td> <td>201</td> <td>8</td> <td></td> <td></td> <td>_</td> <td></td>	No. 1 Slope	DM	Schuylkill		35	8,138	9,267	32	17.17	2 s	7.500	100	201	8			_	
Phoenix Contracting Co., Inc.       International approximation of the state of th							., .,					4.4	2/1	Ū	-		-	
Lorberty Bank       bk       Schuylkill       3,990       4,032       5,784       97       13,903 u       -       -       78       3       -         Reichwein       Beury Col Co.       R. & B. Slope       IM       Schuylkill       3,032       4,500       5,813       23       13,368 v       11,500       -       239       10       1       -         Rekia Coal Co., Inc.       IM       Schuylkill       -       184       26       1       211 w       200       50       60       3       -       -         Beuringer Coal Co., Inc.       IM       Schuylkill       2,946       1,392       560       20       1,918 x       3,875       -       234       5       -       -         Beuringer Coal Co., Inc.       IM       Schuylkill       1,419       5,176       3,238       1       9,834 y       6,200       -       221       5       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		DM	Schuylkill		-	-	-	-	-	t	100	50	9	3	-		-	
Reichwein & Deury Coal Co.       IM       20.00       5,813       23       13,368       11,500       -       239       10       1       -         R. & E. Slope       IM       Schuylkill       -       184       26       1       211 w       200       50       60       3       -       -         Bekin Coal Co., Inc.       IM       Schuylkill       2,946       1,392       560       20       1,918 x       3,875       -       234       5       -       -         Bekin Kinger       IM       Schuylkill       2,946       1,392       560       20       1,918 x       3,875       -       234       5       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		bk	Schuvlkill	•	3,990	4.032	5.781	97	13.90	3 11	_		78	2				
Rekia Coal Co., Inc.       IM Schuylkill       -       18h, 26       1       211 w       200       50       60       3       -         Remninger Coal Co., Inc.       IM Schuylkill       2,9k6       1,392       560       20       4,918 x       3,875       -       23k       5       -       -         Back Mountain Slope       IM Schuylkill       2,9k6       1,392       560       20       4,918 x       3,875       -       23k       5       -       -         Back Mountain Slope       IM Schuylkill       1,419       5,176       3,238       1       9,83k,y       6,200       -       221       5       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       <			-					71			-	-	10	ر	-		-	
No. 2 Slope       IM       Schuylkill       -       18h       26       1       211 w       200       50       60       3       -         Berminger Coal Co., Inc.       Buck Mountain Slope       IM       Schuylkill       2,946       1,392       560       20       4,918 x       3,875       -       234       5       -       -         Buck Mountain Slope       IM       Schuylkill       1,419       5,176       3,238       1       9,834 y       6,200       -       221       5       -       -         No. 2 Slope       IM       Schuylkill       1,419       5,176       3,238       1       9,834 y       6,200       -       221       5       -       -         No. 2 Slope       IM       Schuylkill       610       6,615       5,278       26       12,529 z       15,000       -       288       7       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		DM	Schuylkill	3	3,032	4,500	5,813	23	13,368	8 v	11,500	-	239	10	1	-	-	
Remninger Coal Co., Inc.       IM       Schuylkill       2,946       1,392       560       20       4,918 x       3,875       -       234       5       -       -         Buck Mountain Slope       IM       Schuylkill       2,946       1,392       560       20       4,918 x       3,875       -       234       5       -       -         Primrose Slope       IM       Schuylkill       1,419       5,176       3,238       1       9,834,y       6,200       -       221       5       -       -         No. 2 Slope       IM       Schuylkill       6,105       5,278       26       12,529 z       15,000       -       288       7       -       -         No. 1 Slope       IM       Schuylkill       2,731       5,110       946       34       8,821 bb       5,000       -       274       5       -       -         Sharp Mountain Slope       IM       Schuylkill       2,00       1,153       151       3       1,507 cc       1,100       50       157       3       -       -         Spancake & Herring Coal Co.       IM       Schuylkill       2,384       9,484       1,513       53       13,131 dd       9,00		DM	Schurl 2511		_	1.81.	<u>~</u>		03			<b>F</b> -	1.					
S. & F. Coal Co.       IM Schuylkill       1,1/2       5,1/6       3,238       1       9,834, y       6,200       -       221       5       -         Primrose Slope       IM Schuylkill       1,1/2       5,1/6       3,238       1       9,834, y       6,200       -       221       5       -       -         No. 2 Slope       IM Schuylkill       610       6,615       5,278       26       12,529 z       15,000       -       288       7       -       -         Tracy Vein Slope       IM Schuylkill       21,4       577       57       2       880 aa       600       -       73       3       -       -         No. 1 Slope       IM Schuylkill       2,731       5,110       946       34       8,821 bb       5,000       -       274       5       -       -         Sharp Mountain Coal Co.       IM Schuylkill       2,00       1,153       151       3       1,507 cc       1,100       50       157       3       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		141	DOINGY INTIT		-	104	20	1	21.	τw	200	50	60	. 3	-		-	
S. & F. Coal Co.       IM       Schuylkill       1,419       5,176       3,236       1       9,834 y       6,200       -       221       5       -         No. 2 Slope       IM       Schuylkill       610       6,615       5,278       26       12,529 z       15,000       -       288       7       -         No. 2 Slope       IM       Schuylkill       214       577       57       2       860 aa       600       -       73       3       -         Tracy Vein Slope       IM       Schuylkill       2,011       5,110       946       34       8,821 bb       5,000       -       274       5       -       -         Sharp Mountain Coal Co.       IM       Schuylkill       2,001       1,153       151       3       1,507 cc       1,100       50       157       3       -       -         Statara Coal Co.       IM       Schuylkill       2,384       9,484       1,513       53       13,414 d       9,000       -       278       5       -       -         Statara Coal Co.       IM       Schuylkill       1,040       2,623       2,437       8       6,108 ee       1,450       -       259       3 <td></td> <td>DM</td> <td>Schuylkill</td> <td>2</td> <td>2,946</td> <td>1,392</td> <td>560</td> <td>20</td> <td>4.91</td> <td>8 x</td> <td>3.875</td> <td>-</td> <td>234</td> <td>5</td> <td>_</td> <td></td> <td>_</td> <td></td>		DM	Schuylkill	2	2,946	1,392	560	20	4.91	8 x	3.875	-	234	5	_		_	
S. & M. Coal Co.       IM Schuylkill       610       6,615       5,278       26       12,529 z       15,000       -       288       7       -         No. 2 Slope       IM Schuylkill       610       6,615       5,278       26       12,529 z       15,000       -       288       7       -         Tracy Vein Slope       IM Schuylkill       244       577       57       2       860 aa       600       -       73       3       -         No. 1 Slope       IM Schuylkill       2,731       5,110       946       34       8,821 bb       5,000       -       274       5       -         Sharp Mountain Coal Co.       IM Schuylkill       2,731       5,110       946       34       8,821 bb       5,000       -       274       5       -       -         Sharp Mountain Coal Co.       IM Schuylkill       200       1,153       151       3       1,507 cc       1,100       50       157       3       -       -         Spancake & Herring Coal Co.       IM Schuylkill       2,364       9,484       1,513       53       13,434 d       9,000       -       278       5       -       -         Swatara Breaker       IP Schuyl				_		- 			-				-24					
No. 2 Slope         DM         Schuylkill         610         6,615         5,278         26         12,529 z         15,000         -         288         7         -           Tracy Vein Slope         IM         Schuylkill         244         577         57         2         880 aa         600         -         73         3         -         -           Schwartzlander Coal Co., Inc.         DM         Schuylkill         2,731         5,110         946         34         8,821 bb         5,000         -         274         5         -         -           Schwartzlander Coal Co.         DM         Schuylkill         2,731         5,110         946         34         8,821 bb         5,000         -         274         5         -         -           Orchard Vein Drift         DM         Schuylkill         200         1,153         151         3         1,507 cc         1,100         50         157         3         -         -           Suck Mountain Slope         DM         Schuylkill         2,384         9,484         1,513         53         13,434 dd         9,000         -         278         5         -         -           Swatara Coal Co., Inc.		ЦМ	Schuylkill	. 1	L,419	5,176	3,238	1	9,831	4. Y	6,200	-	221	5	-		-	
S. S. M. Coal Co.       IM       Schuylkill       244       577       57       2       880 aa       600       -       73       3       -         No. 1 Slope       IM       Schuylkill       244       577       57       2       880 aa       600       -       73       3       -       -         No. 1 Slope       IM       Schuylkill       2,731       5,110       946       34       8,821 bb       5,000       -       274       5       -       -         Sharp Mountain Coal Co.       IM       Schuylkill       200       1,153       151       3       1,507 cc       1,100       50       157       3       -       -         Buck Mountain Slope       IM       Schuylkill       200       1,153       151       3       1,507 cc       1,100       50       157       3       -       -         Swatara Coal Co., Inc.       Swatara Breaker       BP       Schuylkill       2,384       9,484       1,513       53       13,434 dd       9,000       -       276       5       -       -       -       -       -       -       -       -       -       -       -       -       -       -		DM	Schuvlkill		610	6.615	5.278	26	12 52	0 ,,	15 000		088	7				
Schwartzlander Coal Co., Inc.       DM Schuylkill       2,731       5,110       946       34       8,821 bb       5,000       -       274       5       -         No. 1 Slope       DM Schuylkill       2,731       5,110       946       34       8,821 bb       5,000       -       274       5       -       -         Orchard Vein Drift       DM Schuylkill       200       1,153       151       3       1,507 cc       1,100       50       157       3       -         Spancake & Herring Coal Co.       DM Schuylkill       2,384       9,484       1,513       53       13,434 dd       9,000       -       276       5       -         Swatara Coal Co., Inc.       Swatara Breaker       BP Schuylkill       -       -       -       -       -       -       -       289       24       -       -         Tokarchek Coal Co.       DM Schuylkill       1,040       2,623       2,437       8       6,108 ee       1,450       -       259       3       -       -         Viola Coal Co.       DM Schuylkill       677       487       230       5       1,399 ff       1,000       -       53       3       -       -			•			-,-1)	<b>JjL</b>  0	20	. 10,00,	/ 2	19,000	-	200	(	-		-	
No. 1 Slope       IM       Schuylkill       2,731       5,110       946       34       8,821 bb       5,000       -       274       5       -         Sharp Mountain Coal Co. Orchard Vein Drift       IM       Schuylkill       200       1,153       151       3       1,507 cc       1,100       50       157       3       -       -         Spancake & Herring Coal Co. Drokard Vein Drift       IM       Schuylkill       2,364       9,464       1,513       53       13,434 dd       9,000       -       278       5       -       -         Buck Mountain Slope       IM       Schuylkill       2,364       9,464       1,513       53       13,434 dd       9,000       -       278       5       -       -         Swatara Breaker       BP       Schuylkill       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	Tracy Vein Slope	IM	Schuylkill		244	577	57	2	880	) aa	. 600	-	73	3	_		-	
Sharp Mountain Coal Co.       In Schuylkill       200       1,153       151       3       1,507       c       2/4       5       -       -         Orchard Vein Drift       DM Schuylkill       200       1,153       151       3       1,507       c       1,100       50       157       3       -       -         Buck Mountain Slope       IM Schuylkill       2,384       9,484       1,513       53       13,434       9,000       -       278       5       -       -         Swatara Coal Co., Inc.       Swatara Breaker       BP Schuylkill       -       -       -       -       -       289       24       -       -         Tokarchek Coal Co.       DM Schuylkill       1,040       2,623       2,437       8       6,108       1,450       -       259       3       -       -         Viola Coal Co.       DM Schuylkill       1,040       2,623       2,437       8       6,108       1,450       -       259       3       -       -         Viola Coal Co.       DM Schuylkill       677       487       230       5       1,399 ff       1,000       -       53       3       -         Woratyla Coal Co.		тм	Schurtheil	,	721	6 110	01.6	21	0.00		<b>-</b>							
Spancake & Herring Coal Co.       In Entodelini Coal Co.       In Entodelini Coal Co.       In Entodelini Coal Co.       In Schuylkill       2,384       9,484       1,513       53       13,434       dd       9,000       -       278       5       -       -         Swatara Coal Co., Inc.       BP Schuylkill       2,384       9,484       1,513       53       13,434       dd       9,000       -       278       5       -       -         Swatara Breaker       BP Schuylkill       -       -       -       -       -       -       289       24       -         Tokarchek Coal Co.       IM Schuylkill       1,040       2,623       2,437       8       6,108 ee       1,450       -       259       3       -         Viola-Pozza Mine       IM Schuylkill       677       487       230       5       1,399 ff       1,000       -       53       3       -         Walat its Coal Co.       IM Schuylkill       183       2,908       2,149       13       5,253 gg       3,850       -       203       4       -         No. 2 Slope       IM Schuylkill       2,041       4,686       4,382       29       11,138 hh       8,600       -       248		161	Schuyikili	4	101	5,110	940	34	0,02.	грр	5,000	-	274	5	-		-	
Spancake & Herring Coal Co.       DM Schuylkill       2,364       9,484       1,513       53       13,434       9,000       -       278       5       -         Buck Mountain Slope       DM Schuylkill       2,364       9,484       1,513       53       13,434       9,000       -       278       5       -       -         Swatara Coal Co., Inc.       DP Schuylkill       -       -       -       -       -       289       24       -         Tokarchek Coal Co.       DM Schuylkill       1,040       2,623       2,437       8       6,108 ee       1,450       -       259       3       -         Viola Coal Co.       DM Schuylkill       677       487       230       5       1,399 ff       1,000       -       53       3       -         Viola Coal Co.       DM Schuylkill       677       487       230       5       1,399 ff       1,000       -       53       3       -         Walaitis Coal Co.       DM Schuylkill       183       2,908       2,149       13       5,253 gg       3,850       -       203       4       -         Woratyla Coal Co.       Mamoth Slope       DM Schuylkill       2,041       4,686		DM	Schuylkill		200	1,153	151	3	1,50	7 сс	1.100	50	157	3			_	
Swatara Coal Co., Inc.       En Churchell       1,112       1,125       1,124       1,125       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,124       1,125       1,124       1,125       1,124       1,125       1,124       1,125       1,124					- 01			-				20						
Swatara Breaker         BP         Schuylkill         -         -         -         -         -         -         -         289         24         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         280         24         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <t< td=""><td></td><td>DM</td><td>Schuylkill</td><td>2</td><td>2,384</td><td>9,484</td><td>1,513</td><td>53</td><td>13,431</td><td>t qq</td><td>9,000</td><td>-</td><td>278</td><td>5</td><td>-</td><td></td><td>-</td><td></td></t<>		DM	Schuylkill	2	2,384	9,484	1,513	53	13,431	t qq	9,000	-	278	5	-		-	
Tokarchek Coal Co.       Tokarchek Coal Co.       Image: Schuylkill 1,040       2,623       2,437       8       6,108 ee       1,450       -       259       3       -       -         Viola Coal Co.       Viola-Pozza Mine       DM Schuylkill       677       487       230       5       1,399 ff       1,000       -       53       3       -         Walatitis Coal Co.       DM Schuylkill       183       2,908       2,149       13       5,253 gg       3,850       -       203       4       -         Woratyla Coal Co.       DM Schuylkill       183       2,908       2,149       13       5,253 gg       3,850       -       203       4       -         Mamoth Slope       IM Schuylkill       2,041       4,686       4,382       29       11,138 hh       8,600       -       248       8       -         Zimmerman Coal Co., Marlin       M Schuylkill       2,541       4,686       4,382       29       11,138 hh       8,600       -       248       8       -		BP	Schuvlki 11		-	-	_	_					280	01				
Viola Coal Co.       DM Schuylkill       677       487       230       5       1,399 ff       1,000       -       53       3       -         Viola-Pozza Mine       DM Schuylkill       677       487       230       5       1,399 ff       1,000       -       53       3       -         No. 2 Slope       DM Schuylkill       183       2,908       2,149       13       5,253 gg       3,850       -       203       4       -         Mamoth Slope       DM Schuylkill       2,041       4,686       4,382       29       11,138 hh       8,600       -       248       8       -			•				-	-	-		-	-	209	24	-		-	
Viola-Pozza Mine         DM         Schuylkill         677         487         230         5         1,399 ff         1,000         -         53         3         -           Walaitis Coal Co.         No. 2 Slope         DM         Schuylkill         183         2,908         2,149         13         5,253 gg         3,850         -         203         4         -           Worstyla Coal Co.         M         Schuylkill         2,041         4,686         4,382         29         11,138 hh         8,600         -         248         8         -           Zimmerman Coal Co., Marlin         DM         Schuylkill         2,041         4,686         4,382         29         11,138 hh         8,600         -         248         8         -		DM	Schuylkill	1	,040	2,623	2,437	8	6,108	3 ee	1,450	-	259	3	-		-	
Walaitis Coal Co.       In Schuylkill       183       2,908       2,149       13       5,253 gg       3,850       -       203       4       -         Moratyla Coal Co.       IM Schuylkill       2,041       4,686       4,382       29       11,138 hh       8,600       -       248       8       -         Zinmerman Coal Co., Marlin       IM Schuylkill       2,041       4,686       4,382       29       11,138 hh       8,600       -       248       8       -		DM	Cohurl 1411		677	1.00	000											
No. 2 Slope         IM         Schuylkill         183         2,908         2,119         13         5,253 gg         3,850         -         203         4         -           Marmoth Slope         IM         Schuylkill         2,041         4,686         4,382         29         11,138 hh         8,600         -         24,8         8         -           Zinnerman Coal Co., Marlin         IM         0.4 untill         2,041         4,686         4,382         29         11,138 hh         8,600         -         24,8         8         -		DP1	Schuyikill		011	467	230	5	1,399	9 ff	1,000	-	53	3	-		-	
Woratyla Coal Co. Mamoth Slope IM Schuylkill 2,041 4,686 4,382 29 11,138 hh 8,600 - 248 8	No. 2 Slope	DM	Schuylkill		183	2,908	2,149	13	5,25	3 00	3.850	_	203	١.	_		_	
Zinmerman Coal Co., Marlin Li Scholler 2, di 4,000 4,002 29 11,130 nn 6,600 - 24,8 8			_						-,	. 96	29000		209	4	-			
Block Mountain Slone DV & Lucitude of the		ШM	Schuylkill	2	2,041	4,686	4,382	29	11,138	3 hh	8,600	-	248	8	-		-	
		DM	Schuvlkill	5	514	16.086	3. 1.1.7	85	25 22		15 000	۲.,		~				
	-				,,,,,		J 441	60	<u>، را روع</u>	<u> </u>	15,000	50	257	8			<u> </u>	

						rict 21 ion - net	tons			Pounds					
				2	:	Sold	Used at	·		permis-	Davie da			F-4-1	Non-
				: Shipped to : By	market : By :	to local	colliery for steam	Tata	1 :	sible ex- plosives	Pounds dynamite	Davs	Fmole	Fatal acci-	
<b>A</b>		and Collieries	County	: railroad	truck:	trade	and heat	produc			used	worked			dents
Opera	tors	District Total	Councy	41,614	166,146	73,281	696		,737	174,425	1,500	227	210	1	4
		602 / J. J. W.						()	7 764				D		20
NOTE :	(a)	731 tons prepared at Ko 71 tons prepared at Oak	Glood Breaker - Di	strict 30.				(1)		tons prepa ons prepare					
	(h)	2,911 tons prepared at	Minersville Break	er - District 19						d operation			12	13 01 10 0	
	(0)	572 tons prepared at 0			•			(o)		tons prepa			er - D	istrict	; 30.
	(c)	All coal prepared at Fi								d tons prepa					
	• •	Ceased operations in Ju	une 1967.							cal sold un				c Co.	
	(d)	1,126 tons prepared at	Legal Breaker - D	istrict 16.				(q)		tons prepa					
		243 tons prepared at Fi	ranklin Breaker - 1	District 30.						) tons prepa				Distric	:t 16.
		755 tons prepared at 0						(r)		ons prepare					20
	(e)	3,482 tons prepared at	Old Mall Breaker	- Mistrict 19.						ons prepare					
		1,673 tons prepared at 253 tons prepared at B.	hocher breaker	istrict 18				(-)		ons prepare 1 tons prep					
		1,877 tons prepared at	. « N. Dreaker = D. Hilleide Brooker.	1301100 10.				(\$)		tons prepa					
	(f)	All coal prepared at St	merior Breaker -	District 16.						tons prepa					
	(g)	All coal prepared at H	illside Breaker.					(t)		d 9 days, n				013 01 10	
	រិស៍	1,356 tons prepared at	Schneck Breaker -	District 30.						oal prepare				Distri	.ct 19
	()	267 tons prepared at 0a								' tons prepa					
	(i)	All coal prepared at D	onaldson Breaker -	District 30.						tons prepa					
	(j)	4,121 tons prepared at								Coal Co. o					
		225 tons prepared at H	illside Breaker.						produ	iced 2,277 t	ons, used 2	,000 pour	ds of	explosi	ves.
		8,358 tons prepared at						()		ed to Reich					20
		9,314 tons prepared at						(W)		oal prepare				strict	30.
		984 tons prepared at Ma 2,594 tons prepared at						(*)		oduction of					
	(2)	990 tons prepared at St		1901100 10.						ons prepare					
	(1)	1,801 tons prepared at		District 19.				(3)		tons prepare				istrict	19.
		348 tons prepared at K								tons prepa					
		72 tons prepared at Ma								tons prepa					
		82 tons prepared at B.							752 t	ons prepare	d at Old Mi	11 Breake	r - Dia		
		1,433 tons prepared at						(z)		ons prepare					
	(1)	324 tons prepared at D								tons prepa					
		209 tons prepared at 0								tons prepa					
		1,179 tons prepared at								tons prepa					
	()	332 tons prepared at P		- mastrict 12.						tons prepa tons prepa					
	(m)	9,094 tons prepared at 72 tons prepared at Su	nilliside Breaker.	istrict 16.				()		ons prepare					
		12 tons prepared at Su						(aa)		ons prepare					
		95 tons prepared at Sci								ons prepare					
				-											

<del>م مؤدر الموجود المعاملي</del>

and the second second

			<u>ict 21</u> on - net	****		Pounds				
	:	FIGULCE	Sold	Used at		permis-				Non-
	s Shipped to	market_:	to	colliery		sible ex-	Pounds		Fatal	fatal
	: By	By :	local	for steam	Total :	plosives	dynamite	Days Em	pl- acci-	acci-
Operators and Collieries County	: railroad	truck:	trade	and heat	production:	used	used	worked oy	es dents	dents
NOTE: (bb) 5,697 tons prepared at Kocher Breaker								P. Breaker -		
1,465 tons prepared at Donaldson Break								k Breaker -		
1,659 tons prepared at Fronk Breaker								Breaker - D		
(cc) 745 tons prepared at Schneck Breaker -								Worth Break	er - Distr	ict 19.
634 tons prepared at Oakwood Breaker .						tons prepar				
128 tons prepared at Donaldson Breaker	- District 30.							ck Breaker -		
(dd) 7,587 tons prepared at Schneck Breaker	- District 30.				348 ta	ons prepared	at B. & N.	Breaker - D	istrict 18	3.
2,732 tons prepared at Kocher Breaker	- District 16.				1,231	tons prepar	ed at Old M	ill Breaker	- District	; 19.
3,115 tons prepared at Franklin Break	r - District 30.				1,093	tons prepar	ed at Miner	sville Break	er - Distr	ict 19.
(ee) 138 tons prepared at Hillside Breaker.					(ii) 17,388	tons prepa:	red at Schn	eck Breaker	- District	30.
1,626 tons prepared at Swatara Breake:	•							r Breaker -		
2,901 tons prepared at Olenick Breaker								ill Breaker		
1,443 tons prepared at Old Mill Break								reaker - Dis		
(ff) 1,110 tons prepared at Swatara Breaker								Anthracite		_
289 tons prepared at Old Mill Breaker								May 23, 1967		
Ceased operations in March 1967.	515 6110 6 27.				0	u to bono o	001 00, 0H	1	•	

				Dist	rict 23									
Al-Mar Coal Co.														
Holmes Slope	DM	Northumberland	50	1,051	35	-	1,136 a	740	- 1	129	)	-	-	
No. 2 Slope	DM	Northumberland	145	2,745	-		2,890	1,730		187	5)	<u> </u>		
Total			195	3,796	35	-	4,026 ъ	2,470	<u> </u>		5		-	
B. & B. Coal Co.				0							-			
No. 9 Vein T. S. Slope	DM	Northumberland	12	8	-	-	20 c	20	-	4	3	-	-	
B. & S. Coal Co.			1.4-				i	0			7			
Primrose S. D. Slope	DM	Northumberland	462	3,919	-	90	4,471 d	800	-	205	7	-	-	
Bridy, Incorporated							0			-1-1	_			
Excelsior Bank	bk	Northumberland	15,136	2,262	-	-	17,398 e	-	-	245	5	-	-	
Chango Coal Co.				0.1.00			0.000.				,			
Holmes Vein S. D. Slope	DM	Northumberland	կկկ	8,438	-	-	8,882 ъ	7,000	-	228	6	-		
Dunn Coal Co., Marlin			-0	<b>C</b> 22						<i></i>				
No. 8 Vein Slope	DM	Nor thumber land	28	530	-	-	558 ъ	200	-	51	4	-	-	
Else Coal Co.				41	628		669 f	605		200				
Skidmore Slope G. M. P. Coal Co.	DM	Nor thumber land	-	41	626	-	669 I	625	-	128	2	-	-	
		Northumberland	759	608	998	0(	0 202 -	1.100		075	20			
Mammoth Vein Tender Slope Locust Gap Bank	DM bk	Northumberland				26	2,391 g	4,402	-	215 126	10	-		
Total	DK	Northumberland	5,418	3,071	1,575		10,064 h			120	4			
Lone Pine Coal Co.			6,177	3,679	2,573	26	12,455	4,402			14			
No. 4 Vein Slope	DM	Northumberland	205	3,894			1 000 1	7 (00		263	з			
Ramph Coal Co.	Lm	Northumberland	205	3,094	-	-	4,099 ъ	1,600	-	203	د	-	-	
No. 10 Vein Slope	DM	Northumberland		1,759	586	-	2,345 i	750	-	239	з	_	_	
no. To vern probe	Lat	NOT OLCODEL TSUD	-	109	000	-	2,545 1	190	-	209	ر	-	-	

					ict 23	tons		Pounds					
		: 1_ 1	Ву	o market : By :	Sold to local	Used at colliery for steam	: Total :	permis- sible ex- plosives	Pounds dynamite	Days	Empl-	acci-	
Operators and Collieries			railroad	truck:	trade	and heat	production:	used	_used	worked	oyes	dents	dents
Ranshaw Transportation & Auto Wr Locust Gap Bank Reading Anthracite Co.	ecker: bk	Northumberland	-	700	-	-	700	j -	-	6	5	-	-
Locust Summit Breaker Sanders Coal Co.	BP	Nor thumberland	-	-	-	-	-	k –	-	252	7	-	-
No. 9 Vein T. S. Slope Yanik Brothers	DM	Northumberland	166	3,146	-	-	3,312		-	274	4	-	-
No. 7 Vein Slope Zanella Brothers Coal Co.	DM	Northumberland	71	1,345	-	-	1,416	Ъ200	-	159	3	-	-
Primrose S. D. Slope	DM	Northumberland	1,214	6,270	1,146	68	8,698 1	6,950		302	6	-	<u> </u>
District Total			24,110	39,787	4,968	184	69,049	25,967	-	201	77	-	-
<ul> <li>(b) All coal prepared at</li> <li>(c) All coal prepared at</li> <li>(d) 4,079 tons prepared at</li> <li>31 tons prepared at</li> <li>559 tons prepared at</li> <li>(e) All coal prepared at</li> <li>(f) 459 tons prepared at</li> <li>180 tons prepared at</li> <li>30 tons prepared at</li> <li>30 tons prepared at</li> <li>(g) 1,262 tons prepared at</li> <li>(h) tons prepared at</li> <li>(h) tons prepared at</li> <li>(h) tons prepared at</li> <li>(g) 1,262 tons prepared at</li> <li>(h) tons prepared at</li> <li>(g) 1,262 tons prepared at</li> <li>(h) tons prepared at</li> </ul>	Diamon t D. & & J. Diamon Atlas Split Ace B. wift t Diam & J Malho	hd Breaker - Distr 2 J. Breaker - Distr 3 Breaker - Distr 1d Breaker - Distr Washery - District Vein Breaker - District Breaker - District Breaker - District Breaker - District Breaker - District	rict 20. trict 24. ct 20. tict 20. tt 20. strict 24. 24. or 24. trict 20. ct 20.				1,12 1,01 (i) All (j) All (k) Bagg othe (1) 3,33 754 200 3,84 302	55 tons prep 19 tons prep coal prepar coal prepar coal prepar ging and loa ar breakers. 13 tons prepar tons prepar tons prepar tons prepar	ared at Atl ared at Mal ed at Swift ed at Ransh ding coal w ared at Leg ed at Malho ed at Atlas ared at D.	as Washer ho Breaker aw Washer hich has al Breaker Breaker Washery & Z. Brea nhaver Br	y - Dis r - Dis - Distr y - Dis been pr r - Dis - Distr ker - D reaker -	trict trict 24 trict epared trict 26 ict 20 istric Distr	20. 26. 29. 1 at 16.
Ace Coal Sales				Dist	rict 24								
Ace Breaker Bar Mac Coal Co.	BP	Northumberland	-	-	-	-	-	-	-	302	1	-	· -
Bar Mac Breaker Clay Coal Co.	BP	Northumberland	-	-	-	-	-	-	-	306	8	-	· -
No. 92 Vein N. D. Slope Czech Brothers Coal Co.	DM	Northumberland	-	24	577	-	601 a	a 485	-	189	3	-	· -
No. 5 Vein S. D. Slope D. & Z. Coal Co.	IM	Northumberland	-	-	-	-	-	-	-	10	4	-	· -
D. & Z. Breaker D. & Z. Breaker Diminick Coal Sales	BP	Northumberland	-	-	-	-	-	-	-	306	10	-	· 1
Diminick Breaker	BP	Northumberland	-	-	-	-	-	-		307	5		· -

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					rict 24								
		;-	Shipped to	Producti : market :	<u>on - net</u> Sold to	tons Used at colliery	; ;	Pounds permis- sible ex-	Pounds				Non-
Operators and Collieries		County :	By railroad	By : truck:	local trade	for steam	Total :	plosives used	dynamite used	Days worked	Empl-		acci-
Dugan Coal Co. No. 11 Vein N. D. Slope	DM	Northumberland	420	3,076		and near	3,496 b					dents	dents
Duke Associates	1111	NOL PURIND GL TSHO	420	3,070	-	-			-	248	3	-	-
No. 4 Rock Slope Eldy Coal Co.	DM	Nor thumber land	-	4,117	1,373	-	5,490 c	3,400	-	260	3	-	· -
No. 1 Rock Slope Four Partners Coal Co.	DM	Northumberland	1,604	11,759	-	-	13,363 b	6,830	-	300	7	-	1
No. 92 Vein N. D. Slope Glenn Brass Coal Co.	DM	Northumberland	-	1,317	2,267	-	3,584 a	1,350	75	207	4	-	-
Trenching Project Glen Burn Colliery, Inc.	bk	Northumberland	521	822	30	12	1,385 e	-	-	83	1	-	-
Glen Burn Breaker Glosek Brothers Coal Sales	В	Northumberland	-	-	-	-	-	-	-	179	54	-	4
Glosek Breaker Grego & Deitz Coal Co.	BP	Northumberland	-	-	-		- *	-	-	270	5	-	-
No. 12 Vein N. D. Slope H. & S. Coal Co.	DM	Northumberland	309	2,266	-	-	2,575 ъ	1,975	-	242	3	-	-
West Drift Hoover Mining Co.	DM	Northumberland	11,303	22,605	2,552	-	36,460 f	27,950	-	232	37	-	2
Hoover Breaker K. & D. Coal Co.	BP	Northumberland	-	-	-	-	-	-	-	307	3	-	-
K. & D. Breaker Lower Region Colliery	BP	Northumberland	-	-	-	-	-	-	-	298	3	-	-
Lower Region Washery Lytle Brothers Coal Co.	W	Northumberland	-	-	-	-	-	-	-	305	8	-	-
No. 9 Vein N. D. Slope P. & S. Coal Co.	DM	Northumberland	-	-	-	-	-	-	50	31	3	-	-
No. 10 Vein N. D. Slope Ranshaw Transportation & Auto	DM Wreckers	Northumberland	-	-	-	-	-	-	-	12	2	-	-
Neilson Bank Reidinger Coal Service, Inc.	bk	Northumberland	-	16,320	-	165	16,485 g	-	-	158	2	-	-
Reidinger Breaker Rosini Coal Co.	BP	Northumberland	-	-	-	-	-	-	-	298	8	-	-
Carbon Run Breaker Split Vein Coal Co., Inc.	BP	Northumberland	-	-	-	-	-	-	-	266	13	-	1
Split Vein Breaker Swift Coal Sales	BP	Northumberland	-	-	-	-	-	-	-	306	17	-	l
Swift Breaker	BP	Northumberland			<u></u>	-	[`] =		<b>_</b>	307	7		
District Total			14,157	62,306	6,799	177	83,439	43,515	125	237	214		10

					rict 24								
		-			on - net		- <u> </u>	Pounds					
		:		:	Sold	Used at	:	permis-					Non-
		<u>،</u>	Shipped to	<u>market</u> :	to	colliery		sible ex-	Pounds				fatal
		1	Ву	By :	local	for steam		plosives	dynamite	Days			acci-
Operators and Collieries		County :	railroad	truck:	trade	and heat	production:	used	used	worked	oyes	<u>dents</u>	dents
NOTE: (a) All coal prepared at (b) All coal prepared at (c) All coal prepared at (d) 1,931 tons prepared a 1,653 tons prepared a * Breaker destroyed by	Réidin Swift t Spli t Swif	ger Breaker. Breaker. t Vein Breaker. t Breaker.					174 tons 426 tons (f) All coal	prepared a prepared a prepared a prepared a prepared a prepared a	t Diamond : t Diminick t Glen Bur: t Glen Bur:	Breaker - Breaker. n Breaker. n Breaker.	•	ct 20.	
				Dist	rict 26			•					
A. D. & G. Coal Co.	DM	Columbia		196	4,700		Ц,896 а	1,650	_	280			
Buck Mountain Slope Alessi Coal Co.	Te.	COLUMDIA	~	730	4,100	-	4,096 a	1,050	-	200	4	-	-
No. 1 Tunnel Drift	DM	Schuylkill		1,000	1,075		2,075 ъ	750	900	250	5		
Ashland Community Enterprises, In		Schuytkill	-	1,000	1,075	-	2,015 0	(50	900	250	2	-	-
Pioneer Tunnel	.с. пм	Schuylkill					- 0			308	20		
B-D Mining Co.	TM	SCHUYIKAII	-	-	-	-	- c	-	-	300	20	-	-
Gilberton Bank	bk	Schuylkill	110,109	640			110 210			153	10		~
B-D Fine Coal Plant	W	Schuylkill	109	-	-	-	110,749	-	-	210	12 16	-	2 6
St. Nicholas Slush Bank	w bk	Schuylkill	33,734	-	-	-	33,734	-	-	52	10	-	0
Total	DR.	SCHUYIKIII	143,843							22	38		
Blaschak Brothers Coal Co.				040			144,483 d				30		
Skidmore Slope	DM	Schuylkill											
Blaschak Coal Co.	11.1	SCHUYLKTIT	-	-	-	-	- e	-	-	-	-	-	-
Blaschak Breaker	в	Schuylkill								237	13		6
Botella Coal Co., James J.	Ð	SCUDATETT	-	-	-	-	-	-	-	251	13	-	0
Packer No. 3 Bank	bk	Schuylkill	4,468	3,071	1,998	96	9,633 f			260	3		
Brokenshire & Co.	DK.	SCHUYIKTII	4,400	5,011	1,990	90	9,0001	-	-	200	ر	-	-
Buck Mountain Slope	DM	G = 1		20	78		<u>^</u>	25		00	,		
Capparell Coal Co., Inc.	Lm	Schuylkill	-	20	10	-	98 g	25	-	20	4	-	-
Rosa Breaker	B	Schuvlkill								252	39		1
			-	-	-	-	-	-	-	252	39	-	T
Capparell Stripping & Construction Kehley Run Bank	bk	Schuylkill	26,177	13,885	11 250	23	53,443			234	~~		1
Packer No. 5 Bank	bk	Schuylkill		15,005	13,350	31		-	-	2 <i>34</i> 161	23 12	-	T
William Penn Bank			7,718 809	4,095	3,938	-	15,751	-	-	TOT		-	-
William Penn Bank Total	bk	Schuylkill		429	413		1,651			4_	<u>11</u> 		<u> </u>
DiCassimirro Contracting Co.			34,704	18,409	17,701		70,845 h		~		40		<u>1</u>
Boston Run Bank	bk	n-1	6,937				6 000			01.1	~		
Hammond Bank	bk	Schuylkill Schuylkill		-	-	~	6,937	-	-	24)	5)	-	-
Total	DK	Schuytkill	1,019			<u> </u>	1,019				/		
Dyszel Coal Co.			7,956				7,956 d				ځ	<u>_</u>	
Buck Mountain Slope No. 1	DM	Schuylkill	143	832	445		2 105	1 900		06-	~		
Buck Mountain Slope No. 2	IM	Schuylkill	71	409	445 219	15 6	1,435 705	1,800 150	-	260 50	2 2	-	-
Total	11.1	OCHUY INTIT		1,241	664	21	2,140 i	1,950					<u> </u>
TOBAL					004	<u></u>	LT 0411 62	1,900	- <u> </u>		4		

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					rict 26								
				Product	ion - net			Pounds					
			•	:	Sold	Used at	:	permis-					Non-
		:	Shipped to		to	colliery		sible ex-	Pounds				fatal
			,	By :	local	for steam		plosives	dynamite	Days	Empl-		acci-
Operators and Collieries		County	: railroad	truck:	trade	and heat	production:	used	used	worked	oyes	dents	dents
Forgotsch Brothers Coal Co.					- 0 -		(			- 0 -			
Buck Mountain Slope	DM	Schuylkill	-	290	380	-	670 j	225	150	282	2	-	-
Forsum Coal Co., Inc.			<b>0</b>				<b>-</b> -		_				
No. 6 Slope	DM		891	2,082	2,208	-	5,181	9,000	500	160	- 9)	-	
No. 7 Slope	DM	Schuylkill		5,092	2,853		7,945	9,000	600	104	)		
Total			891	7,174	5,061	-	13,126 k	18,000	1,100		- 9	-	
G. & B. Coal Co.													
Seven Foot Slope	DM	Columbia	-	3,286	1,095	-	4,381 1	2,700	150	164	5	-	-
Gilberton Coal Co.													
Gilberton Breaker	в	Schuylkill	-	-	-	-	- m	-	-	5	78	-	-
H. M. B. & P. Coal Co.													
Buck Mountain Slope	DM	Schuylkill	461	189	82	-	732 n	300		110	4	-	-
Hard Top Coal Co., Inc.													
Buck Mountain Slope	DM	Schuylkill	1,236	871	644	11	2,762 o	8,000	300	198	4	-	-
K. & C. Coal Co.													
Buck Mountain Slope	DM	Schuylkill	-	200	130	-	330 1	225	_	70	2	-	-
K. & J. Coal Co.		-											
Centralia Bank	bk	Columbia	582	152	236	-	970 n	-	-	85	2	-	-
Kerrigan Coal Co., Paul				-	-								
Kerrigan Fine Coal Plant	W	Schuvlkill	-	_	-	-	-		-	107	2	-	-
Millersville Bank	bk	Schuylkill	2,277	337	-	-	2,614	-	-	107	1	-	-
Total			2,277	337	<u> </u>		2,614 p						
Lehigh Valley Anthracite, Inc.													<u>_</u>
Mammoth Breaker	В	Schuylkill	-	-	-		-	-	-	188	67	-	7
Morea Bank	bk		30,481	18,314	40,541	386	89,722		-	231	6	-	<u>.</u>
Morea Breaker	B	Schuylkill	-	-	_	-	-	-	-	231	25	-	l
Total		<b>v</b>	30,481	18,314	40,541	386	89,722 q						
Locust Valley Coal Co., Inc.												·····	
Mahanoy City Bank	bk	Schuylkill	5,165	13,953	1,710	-	20,828	_	_	141	2	-	-
Mount Hazle Breaker	В	Schuylkill		-		-		-	-	141	8	-	-
Total	-	••••••	5,165	13,953	1,710		20,828 r	-			10		
Maksimik Coal Co.													
Kehley Run Bank	bk	Schuylkill	82	57	118	-	257 s	-	-	40	3	-	_
Malho Coal Co.		······					-91 0			40	-		
Malho Breaker	в	Schuylkill	-	-	_	-	-	-	-	302	հ	-	1
Marion Mining Co., Inc.	~	ooning and an								502	4		-
Connerton Drift	IM	Schuylkill	5,875	4,040	8,446	-	18,361	12,850	4,800	219	24	_	3
Connerton Cleaning Plant	BP	Schuylkill	-	4,040	0,440	_	10,001	12,000	4,000	219	1	-	_
Total	~	00000 200222	5,875	4,040	8,446		18,361 s	12,850	4,800		25		3
Mickey Coal Co.				49040	*)440		10,001.0		4,000				
Diamond Slope	DM	Schuylkill	1,384	662	3,971	-	6,017 t	4,750	-	228	5	-	-
Olman & Co.	20.1		4	002	29711	-	5,021 0	4,150		010	-		
Buck Mountain Slope	DM	Schuylkill	-	_	1,000	32	1,032 u	450	_	235	3		
·····					2,000	20	1,072 u	4,00	-	-225	ر	-	-

					rict 26								
					<u>ion - net</u> Sold	tons Used at		Pounds permis-					Non-
			: Shipped to	:	5010 to	colliery		sible ex-	Pounds			Fatal	
			By	By :	local	for steam	Total :	plosives	dynamite	Davs	Empl-		acci-
Operators and Collieries		County	: railroad	truck:	trade	and heat	production:	used	used	worked	oves _		dents
Phoenix Contracting Co.												201000	
Maizeville Bank	bk	Schuylkill	-	592	5,325	-	5,917 v	-	-	67	3	-	1
Pleasant Hill Coal Co.		•									,		
Skidmore Drift	DM	Schuylkill	-	1,009	4,039	-	5,048 w	950	-	230	6	-	-
Polcovich Coal Co.							0.000	20 (10		01 5	8		
Seven Foot Slope	DM	Columbia	5,593	2,308	932	44	8,877 n	10,650	-	245	0	-	1
Reading Anthracite Co.										07	12		2
Maple Hill Cleaning Plant	BP	Schuylkill	-	-		-	-	-	-	97 202	41	-	Ľ,
St. Nicholas Fine Coal Plant	W	Schuylkill	-10	-	-	-	148,607	-	-	202	11	-	1
St. Nicholas Slush Bank	bk	Schuylkill	148,565		42		148,607 x	<u>-</u>		202		<u>-</u> -	
Total			148,565		42		до,007_х						
Reichwein & Beury Coal Co.	-	Schuvlkill							-	306	հ	-	_
Reichwein & Beury Breaker	В	Schuyrkiii	-	-	-	-	-	-		500	4		
Skytop Coal Co., Inc.	bk	Schuvlkill	1,289	_	_	_	1,289	-	~	19	5	-	-
Skytop Bank	B	Schuylkill	1,209	-	-	-	1,207	_	-	50	12	-	-
Skytop Breaker Maizeville Bank	ъ bk	Schuylkill		1,312	912	-	2,224	_	-	10		-	-
lykens Slope	TM	Schuylkill	_		-	-	-	-	-		ping or	ilv -	-
Total	<u>Du</u>	OCHUY INTIT	1.289	1,312	912		3,513 y		-		20		-
Split Vein Coal Co., Inc.													
Buck Mountain Slope	ĽМ	Columbia	-	815	19,542	-	20,357	5,900	1,025	280	11	-	1
Germantown Bank	bk	Columbia	-	566	13,590	-	14,156	-	-	136	2	-	- '
Midvalley Silt Deposit	bk	Columbia	-	320	7,688	-	8,008	-	-	38	2	-	-
Packer No. 5 Bank	bk	Schuylkill	-	12	305	-	317	-	-	7	2	-	-
Total			-	1,713	41,125		42,838 a	5,900	1,025		17	-	1
Starwood Coal Corporation													
Starwood Breaker	В	Schuylkill	-	-	-	-	-	-	-	315	5	-	-
Trenton Coal Co.		•											
Buck Mountain Slope	ДM	Schuylkill	-	30	100	-	130 2	: 150	100	84	3	-	-
White Birch Coal Co., Inc.										1.0			
Buck Mountain Slope	IM	Schuylkill			······		- (	<u> </u>		.48	2		
District Total			395,066	81,066	142 <b>,1</b> 05	621	618,858	69,525	8,525	166	570	-	38

NOTE:

(a) All coal prepared at Split Vein Breaker - District 24.
(b) All coal prepared at Mazaika Breaker - District 15. Jones Coal Co. operated the mine to June, 1967, produced 998 tons, worked 103 days, same men.
(c) No production.
(d) All coal prepared at B-D Fine Coal Plant. Formerly operated by Gilberton Coal Co.

(e) Slope used for pumping only.
(f) 1,313 tons prepared at Blaschak Breaker.
5,290 tons prepared at Diamond Breaker - District 20
(g) All coal prepared at Starwood Breaker.
Ceased operations in January 1967.
(h) All coal prepared at Rosa Breaker.
(i) All coal prepared at Reichwein & Beury Breaker.

	· · · · · · · · · · · · · · · · · · ·	ict 26	<b>-</b> /	·
Operators and Collieries         County           NULE:         (J) 339 tons prepared at Skytop Breaker.         271 tons prepared at Starwood Breaker.           (k) 5,746 tons prepared at Starwood Breaker.         1,302 tons prepared at Gilberton Breaker.           720 tons prepared at Gilberton Breaker.         720 tons prepared at Bilberton Breaker.           720 tons prepared at Skytop Breaker.         5,358 tons prepared at D. & Z. Breaker - Distor (I) all coal prepared at Swift Breaker.           (1) All coal prepared at Mammoth Breaker.         (o) 1,963 tons prepared at Mammoth Breaker.           10,63 tons prepared at Starwood Breaker.         229 tons prepared at Starwood Breaker.           229 tons prepared at Starwood Breaker.         229 tons prepared at D. & Z. Breaker - Distor Streaker.           191 tons prepared at Live Oak Breaker - II         191 tons prepared at Live Oak Breaker - DI           (p) All coal prepared at Kerrigan Fine Coal PI         (p) All coal Prepared at Kerrigan Fine Coal PI	: <u>Shipped to market</u> : : <u>By</u> By : : railroad truck: District 24. rict 24.	() () () () () () () () () () () () () (	production:     used     used       (q)     All coal prepared at Morea Break       (r)     All coal prepared at Morea Break       (s)     All coal prepared at Blaschak Br       (t)     All coal prepared at Malho Break       (u)     All coal prepared at Malho Break       (u)     All coal prepared at Malho Break       (u)     All coal prepared at Black Heath       (v)     All coal prepared at Starwood Br       (v)     All coal prepared at Starwood Br       (u)     All coal prepared at Starwood Br	Breaker reaker. ear. de Breaker - District 18. Breaker - District 19. reaker. is Fine Coal Plant. Coal Plant. reaker.

Alarcon Coal Co.				Dis	trict 28								
No. 3 Slope B. & B. Coal Co.	DM	Northumberland	6,635	11,298	3,805	58	21,796 a	750	-	312	13	_	-
No. 2 Slope Bell Coal Co.	DM	Northumberland	501	7,004	501	2	8,008 ъ	1,150	-	240	5	-	_
No. 4 Slope D. & S. Coal Co.	DM	Northumberland	336	4,648	449	-	5,433 c	2,175	-	234	4	-	-
Zero Vein Slope E. & T. Coal Co.	DM	Northumberland	-	11,000	437	-	11,437 d	1,600	-	306	5	-	-
No. 2 Slope Garcia Coal Co.	DM	Northumberland	-	7,000	649	-	7,649 e	10,000	-	301	8	-	2
No. 4 Slope K. & K. Coal Co.	DM	Northumberland	120	1,572	158	-	1,850_c *	500	-	60	6	-	-
No. 5 Vein Rock Slope Kerstetter Coal Co.	DM	Northumberland	-	526	-	-	526 f	1,300	-	208	3	-	-
Zero Vein Slope L. & M. Coal Co.	DM	Northumberland	68	975	97	-	1,140 c *	500	-	82	4	-	-
Zero Vein Slope Lotus Coal Co.	DM	Northumberland	610	8,425	817	1	9,853 c	2,675	-	281	5	-	3
No. 3 Slope Maurer Coal Co., Paul F.	DM	Northumberland	120	2,274	-	-	2,394 g	725	255	260	2	-	-
Zero Vein Slope Mayton Brothers Coal Co.	IM	Northumberland	498	6,800	700	2	8,000 c	1,500	-	230	4	-	-
No. 9 Vein Slope Mountain View Coal Co.	DM	Northumberland	42	812	-	-	854 g *	450	-	120	4	-	-
No. 1 Slope	DM	Northumberland	-	9,886	3,294	-	13,180 c h	1,675	-	269	5	-	IJ,

					Dist	rict 28								
					Product	i <u>on -</u> net	tons		Pounds					
		: : :		hipped to By	By :	Sold to local	Used at colliery for steam	: : Total :	permis- sible ex- plosives	Pounds dynamite	Days	Emp1-	Fatal acci-	Non− fatal acci∽
Operators and Collieries		County	raj	ilroad	truck:	<u>trade</u>	and heat	production:	used	used	worked	oves	dents	dents
No. 1 Coal Mine No. 1 Slope P. & R. Coal Co.	DM	Northumberland		608	8,714	810	1	10,133°c	4,950	50	301	5	-	-
No. 5 Vein Rock Slope R. B. F. Coal Co.	IM	Northumberland		-	93	2,200	-	2,293 i	660	-	239	3	-	-
Cole Run Bank S. & C. Coal Co.	ЦM	Northumberland		1,435	12,251	-	-	13,686 j	-	-	102	4	-	-
No. 4 Slope Slo-Burn Coal Co., Inc.	DM	Northumberland		320	4,524	431	3	5,278 c	k 2,150	-	351	4	-	-
No. 2 Slope Split Vein Coal Co., Inc.	DM	Northumberland		119	-	1,270	-	1,389 1		-	43	7	-	-
Trevorton Slope Sunshine Coal Co.	DM	Northumberland		-	359	8,599	-	8,958 1	7,500	-	271	4	-	-
Sunshine Breaker Twin Oaks Coal Co.	BP	Northumberland		-	-	-	-	-	-	-	299	13	-	2
No. 4 Slope W. & S. Coal Co.	DM	Northumberland		196	2,589	258	1	3,044 с	2,750	-	271	3	-	-
Zero Vein Slope Wehry Coal Co., Paul	1M	Northumberland		154	2,202	204	-	2,560 c	* 1,100	-	120	4	-	-
No. 5 Vein Rock Slope West Cameron Coal Co.	DM	Northumberland		-	510	-	-	510 g		-	152	3	-	-
No. 2 Slope	DM	Northumberland			6,235	746		6,981 m	5,800		241	4		1
District Total			נ	11,762	109,697	25,425	68	146,952	50,610	305	231	122	-	9

NOTE:. (a) (b)

- (c) (d)
- (e)
- (f)
- (g) (h)
- All coal prepared at Carbon Run Breaker District 24. 1,413 tons prepared at Carbon Run Breaker District 24. 6,468 tons prepared at Sunshine Breaker. 300 tons prepared at Sunshine Breaker. 11,000 tons prepared at Sunshine Breaker. 11,000 tons prepared at Ace Coal Sales District 24. 437 tons prepared at D. & Z. Breaker District 24. 7,000 tons shipped to Keystone Filler Co. 649 tons prepared at D. & Z. Breaker District 24. All coal prepared at D. & Z. Breaker District 24. All coal prepared at D. & Z. Breaker District 24. All coal prepared at D. & Z. Breaker District 24. All coal prepared at D. & Z. Breaker District 24. Construct 24. All coal prepared at D. & Z. Breaker District 24. Charged to Mountain View Coal Co. in August, 1967. 1,800 tons prepared at C. & J. Breaker District 20. 493 tons prepared at Split Vein Breaker District 24.
- (i)

- (j) 10,008 tons prepared at Split Vein Breaker District 24, 668 tons prepared at D. & Z. Breaker District 24, 964 tons prepared at Sautiski Breaker. District 20. 549 tons prepared at Savitski Breaker District 20. 1,035 shipped to Penna. Power & Light Co., Sunbury, Pa.
  (k) M. G. & S. Coal Co. produced 2,618 tons of this coal, worked 239 days, with 3 men, used 950 pounds of explosives. Changed to S. & C. Coal Co. in August 1967.
  (1) All coal prepared at Swift Breaker District 24. In,000 tons shipped to Marck Chemical Co., Danville, Pa.
  * Mines finished operations during 1967.

والمحافي والألاب وينجره وأعطيهم الانتخاص كالمتك

		-		Producti	on - net Sold	tons Used at	<u> </u>	Pounds permis-					N
					to	colliery		sible ex-	Pounds			Fatal	Non- fatal
perators and Collieries		County :	By railroad	By : truck:	local trade	for steam and heat	Total : production:	plosives used	dynamite <u>used</u>	Days worked	Empl-	acci- dents	acci- dents
Cains Breaker	BP	Northumberland	-	-	-	-	-	-	-	229	4	-	-
No. 14 Vein Drift K. & E. Coal Co.	ШM	Northumberland	-	84	-	-	84 a	50	-	15	. 3	-	· -
No. 11 Vein N. D. Slope tto Partnership	DM	Northumberland	-	2,055	-	7	2,062 ъ	350	550	273	3	-	-
No. 10 Vein Slope ne Line Coal Co.	DM	Northumberland	~	2,119	-	5	2,124 c	1,800	-	272	2	-	-
No. 9½ Vein Drift Inshaw Transportation & Auto Wre	DM eckers	Northumberland Co.	-	4,036	-	-	4,036 a	2,350	400	259	5	-	-
Luke Fidler Bank Ranshaw Washery	bk' W	Northumberland Northumberland	-	20,616 -	-	-	20,616	-	-	125 303	52	-	-
Total				20,616	-	-	20,616 e	-					
ndsor Coal Co. No. 9½ Vein Drift	DM	Northumberland		-			f		_	53	 1	_	
District Total TE: (a) All coal prepared at (b) All coal prepared at K. H. & N. Coal Co. c	Swift Operate	Breaker - Distric	t 24. anuarv 1. 19	28,910	-	12	(d) All d	coal prepare	950 ed at.D. & 2 ed at Glen H	Burn Break	ker - 1	Distric	t 24.
<ul> <li>TE: (a) All coal prepared at</li> <li>(b) All coal prepared at</li> <li>K. H. &amp; N. Coal Co. co to March 31, 1967, pr</li> <li>3 men. Changed to K. and operated until Ju</li> <li>91 days, same men. C</li> </ul>	Swift operate roduced K. & uly 1, Changed	Breaker - Distric ad the mine from J d 74 tons, worked S. Coal Co. on Ap 1967, produced 1, d to K. K. & E. Co	t 24. Manuary 1, 19 115 days, wi ril 1, 1967 098 tons, wo al Co. on Au	67 th	-	12	(c) All ( (d) All ( (e) Coal	coal prepare coal prepare shipped to	ed at. D. & 2	4. Breake Burn Break er & Ligh	r - Dis ker - 1	Distric	t 24.
<ul> <li>TE: (a) All coal prepared at</li> <li>(b) All coal prepared at</li> <li>K. H. &amp; N. Coal Co. c</li> <li>to March 31, 1967, pr</li> <li>3 men. Changed to K.</li> <li>and operated until Ju</li> </ul>	Swift operate roduced K. & uly 1, Changed	Breaker - Distric ad the mine from J d 74 tons, worked S. Coal Co. on Ap 1967, produced 1, d to K. K. & E. Co	t 24. Manuary 1, 19 115 days, wi ril 1, 1967 098 tons, wo al Co. on Au	67 th	-	12	(c) All ( (d) All ( (e) Coal	coal prepare coal prepare shipped to	ed at.D. & 2 ed at Glen H Penna. Powe	4. Breake Burn Break er & Ligh	r - Dis ker - 1	Distric	t 24.
TE: (a) All coal prepared at (b) All coal prepared at K. H. & W. Coal Co. c to March 31, 1967, pr 3 men. Changed to K. and operated until Ju 91 days, same men. C 1, 1967, produced 883 och Brothers Coal Co.	Swift operate roduced . K. & uly 1, Changed 3 tons,	Breaker - Districe of the mine from J 174 tons, worked S. Coal Co. on Ap 1967, produced 1, i to K. K. & E. Co worked 67 days,	t 24. anuary 1, 19 115 days, wi ril 1, 1967 098 tons, wo al Co. on Au same men.	67 th . gust 	rict 30	12	(c) All ( (d) All ( (e) Coal (f) No pr	coal prepare coal prepare shipped to	ed at.D. & 2 ed at Glen H Penna. Powe	4. Breake Burn Break er & Ligh	r - Dis ker - 1	Distric	t 24.
TE: (a) All coal prepared at (b) All coal prepared at K. H. & N. Coal Co. to to March 31, 1967, pr 3 men. Changed to K. and operated until Ju 91 days, same men. C 1, 1967, produced 883 och Brothers Coal Co. No. 1 Slope No. 1 Slope Coleman Coal Co.	Swift operate roduced . K. & uly 1, Changed 3 tons, DM	Breaker - Distric ad the mine from J 174 tons, worked S. Coal Co. on Ap 1967, produced 1, 4 to K. K. & E. Co worked 67 days, Schuylkill	t 24. anuary 1, 19 115 days, wi ril 1, 1967 098 tons, wo al Co. on Au same men. 117	67 th rked gust <u>Dist</u> 784	<u>rict 30</u> 362	12	(c) All ( (d) All ( (e) Coal	coal prepare coal prepare shipped to	ed at.D. & 2 ed at Glen H Penna. Powe	4. Breake Burn Break er & Ligh	r - Dis ker - 1	Distric Sunbur	t 24.
NE: (a) All coal prepared at (b) All coal prepared at K. H. & N. Coal Co. co to March 31, 1967, pr 3 men. Changed to K. and operated until Ju 91 days, same men. C 1, 1967, produced 883 both Brothers Coal Co. No. 1 Slope man & Coleman Coal Co. No. 4 Slope ket Coal Co.	Swift operate roduced . K. & uly 1, Changed <u>3 tons</u> , IM DM	Breaker - Distric ad the mine from J 174 tons, worked S. Coal Co. on Ap 1967, produced 1, 4 to K. K. & E. Co worked 67 days, Schuylkill Schuylkill	t 24. ianuary 1, 19 115 days, wi ril 1, 1967 098 tons, wo al Co. on Au <u>same men.</u> 117 40	67 th rked gust <u>Dist</u> 784 799	<u>rict 30</u> 362 269	1	(c) All ( (d) All ( (e) Coal (f) No pu 1,264 a 1,111 b	coal prepare coal prepare shipped to coduction - 500 425	ed at.D. & 2 ed at Glen H Penna. Powe	Z. Breake: Burn Break er & Ligh e only.	r - Dis ker - 1 t Co.,	Distric Sunbur	t 24.
<ul> <li>KE: (a) All coal prepared at</li> <li>(b) All coal prepared at</li> <li>K. H. &amp; N. Coal Co. c</li> <li>to March 31, 1967, pr</li> <li>3 men. Changed to K, and operated until Ju 91 days, same men. C</li> <li>1, 1967, produced 883</li> <li>both Brothers Coal Co.</li> <li>ko. 1 Slope</li> <li>man &amp; Coleman Coal Co.</li> <li>ket Coal Co.</li> <li>ket Coal Co.</li> <li>Slope</li> <li>ket Coal Co.</li> <li>sit Coal Co.</li> </ul>	Swift operate roduced . K. & uly 1, Changed 3 tons, IM DM DM	Breaker - Distric dot the mine from J 174 tons, worked S. Coal Co. on Ap 1967, produced 1, 1 to K. K. & E. Co worked 67 days, Schuylkill Schuylkill Schuylkill	t 24. anuary 1, 19 115 days, wi ril 1, 1967 098 tons, wo al Co. on Au same men. 117	67 th gust <u>Dist</u> 784 799 4,669	rict 30 362 269 654	1	(c) All ( (d) All ( (e) Coal (f) No pr 1,264 a	coal prepare coal prepare shipped to roduction -	ed at.D. & 2 ed at Glen H Penna. Powe	Z. Breake: Burn Breal ar & Ligh e only. 55	r - Dis ker - 1 t Co.,	Distric Sunbur	t 24.
<ul> <li>CE: (a) All coal prepared at</li> <li>(b) All coal prepared at</li> <li>(b) All coal prepared at</li> <li>K. H. &amp; N. Coal Co. c</li> <li>to March 31, 1967, pr</li> <li>3 men. Changed to K.</li> <li>and operated until Ju</li> <li>91 days, same men. C</li> <li>1, 1967, produced 883</li> </ul> Och Brothers Coal Co. Io. 1 Slope man & Coleman Coal Co. Io. 1 Slope ket Coal Co. Io. 2 Slope ist Coal Co. aust Slope mklin Coal Co.	Swift operate roduced . K. & uly 1, Changed 3 tons, IM DM DM IM	Breaker - Distric at the mine from J a 7h tons, worked S. Coal Co. on Ap 1967, produced 1, b to K. K. & E. Co worked 67 days, Schuylkill Schuylkill Schuylkill Schuylkill	t 24. ianuary 1, 19 115 days, wi ril 1, 1967 098 tons, wo al Co. on Au <u>same men.</u> 117 40	67 th gust <u>Dist</u> 784 799 4,669 46	<u>rict 30</u> 362 269	1	(c) All ( (d) All ( (e) Coal (f) No pu 1,264 a 1,111 b	coal prepare coal prepare shipped to coduction - 500 425	ed at.D. & 2 ed at Glen H Penna. Powe	Z. Breake; Burn Breal ar & Ligh e only. 55 55	r - Dis ker - J t Co.,	Distric Sunbur	t 24.
<ul> <li>CE: (a) All coal prepared at</li> <li>(b) All coal prepared at</li> <li>K. H. &amp; N. Coal Co. to</li> <li>to March 31, 1967, pr</li> <li>3 men. Changed to K. and operated until Ju</li> <li>91 days, same men. C</li> <li>1, 1967, produced 883</li> </ul> Obsthematic State and Coal Co. <ul> <li>10, 1 Slope</li> <li>man &amp; Coleman Coal Co.</li> <li>10, 1 Slope</li> <li>ket Coal Co.</li> <li>2 Slope</li> <li>tst Coal Co.</li> <li>aust Slope</li> </ul>	Swift operate roduced . K. & uly 1, Changed <u>3 tons</u> , DM DM DM DM BP	Breaker - Distric dot the mine from J 174 tons, worked S. Coal Co. on Ap 1967, produced 1, 1 to K. K. & E. Co worked 67 days, Schuylkill Schuylkill Schuylkill	t 24. ianuary 1, 19 115 days, wi ril 1, 1967 098 tons, wo al Co. on Au <u>same men.</u> 117 40	67 th gust <u>Dist</u> 784 799 4,669	rict 30 362 269 654	1 3 5	(c) All ( (d) All ( (e) Coal (f) No pr 1,264 a 1,111 b 5,513 c	coal prepare coal prepare shipped to coduction - 500 425 5,000	ed at.D. & 2 ed at Glen H Penna. Powe	2. Breake Burn Break ar & Ligh a only. 55 55 240	r - Dis ker - J t Co.,	Distric Sunbur	t 24.

					Dist	rict 30								
					Product	ion - net			Pounds					
			2		:	Sold	Used at	:	permis-					Non-
			*_		o_market_:	to	colliery	:	sible ex-	Pounds			Fatal	
			1	Ву	By :	local	for steam	Total :	plosives	dynamite	Days		acci-	
Operators and Collieries H. & S. Coal Co.		County	<u> </u>	railroad	truck:	trade	and heat	production:	used	used	worked	oyes	dents	dents
	DM	C - h			7,106	1,026	8	8,140 f	2,750		258	1.		
No. 1 Slope Haldeman Coal Co.	10°1	Schuylkill		-	1,100	1,020	0	0,140 1	2,150	-	290	4	-	-
Diamond Slope	IM	Schuylkill			830	120	1	951 f	350	-	35	1.		
Industrial Coal Sales Co.	111	DefinATETT		-	050	120	1	951 1	550	-	25	4	-	-
Donaldson Breaker	BP	Schuylkill		_				- 9	_	-	98	13	_	1
Mercury Coal Co., Inc.	Dr	OCHUYIKIII		-	-	-	-	- g	-	-	70	1	-	-
No. 4 Slope	DM	Schuylkill		9,041	37,572	9,852	97	56,562	31,800	_	300	35	_	1.
Primrose Slope	DM	Schuylkill		8,021	12,496	4,702	131	25,350	10,300	_	304	17		2
Total	161	Dendary		17,062	50,068	14,554	228	81,912 h				52		
Oakwood Coal Co., Inc.								019/10 1	42,100					
Oakwood Breaker	BP	Schuylkill		-	-	-	-	-	-	-	302	9	-	-
Penag Coal Co.	2.													
Penag Breaker	в	Schuylkill		-	-	-	_	-	-	-	225	28	-	3
Penag Colliery	DM	Schuylkill		7,482	744	14,875	-	23,101	3,925	-	120	21	-	3
Total		•		7,482	744	14,875		23,101 i	3,925			49	-	
S. B. K. Coal Co.														
Buck Mountain Slope	DM	Schuylkill		158	150	543	2	853 j	300	-	51	3	-	-
Schneck Coal Co., Thomas W.														
Schneck Breaker	BP	Schuylkill			-						317	8		
District Total				25,591	65,766	32,432	248	124,037	55,950	-	214	166		13

NOTE: (a) 80 tons prepared at Donaldson Breaker.
905 tons prepared at Legal Breaker - District 21.
279 tons prepared at Legal Breaker - District 16.
(b) 1/52 tons prepared at Superior Breaker - District 12.
659 tons prepared at Superior Breaker - District 12.
659 tons prepared at Superior Breaker - District 16.
(c) 385 tons prepared at Donaldson Breaker.
5,128 tons prepared at Franklin Breaker.
(d) All coal prepared at Donaldson Breaker.
(f) All coal prepared at Donaldson Breaker.
(g) Donaldson Breaker operated by Anthracite Fine Coals, Inc.
from January to March 1967, worked 40 days, with 18 men.
Changed to Industrial Coal Sales Co. in September, 1967.

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# DIRECTORY

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### CONMONWEALTH OF PENNSYLVANIA DEPARTMENT OF MINES AND MINERAL INDUSTRIES

146

	EXECUTIVE OFFIC	CE	Zip Code	Area Code	Phone No.
Dr. H. Beecher Charmbury Secretary	Towne House Apt. 660 Boas Street	Harrisburg	17102	717	787-4686 787-4687
Home:	222 East Irvin Avenue	State College	16801	814	787-4688 237-4726
Mrs. M. B. Gutshall Ex. Deputy Secretary	Towne House Apt. 660 Boas Street	Harrisburg	17102	717	787-4686 787-4687
Home:	2958 Lincoln Street	Camp Hill	17011	717	787-4688 737-9895
Ralph Lambert Chief Engineer Home:	Towne House Apt. 3330 Highland Street	Harrisburg Allentown	17102 18104	717 215	787-4805 395-4585
Leon Ehrlich Deputy Atty Gen'l Office: Home:	Towne House Apt. 146 N. Sixth Street 1114 Reading Blvd.	Harrisburg Reading Wyomissing	17102 19601 19610	717 215 215	787-5054 376-1525 372-1414
J. Wes Blakely Infor. Specialist Home:	Towne House Apt. 580 Rupley Road	Harrisburg Camp Hill	17102 17011	717 717	787-4617 232-0330
Ralph J. Down, Director Admin. Services Home:	Towne House Apt. 500 Echo Road	Harrisburg Camp Hill	17102 17011	717 717	787-5415 236-5287
C. J. Goetz, Ass't Director Admin. Services	Towne House Apt.	Harrisburg	17102	717	787-6287
Nick Monatesti Personnel Supervisor	Towne House Apt.	Harrisburg	17102	717	787-3197
Jos. Unitis, Budget Analyst	Towne House Apt.	Harrisburg	17102	717	787-5485
Nick Laukaitis Procurement Officer	Towne House Apt.	Harrisburg	17102	717	787-2471
Edward Durkin, Comptroller	Towne House Apt.	Harrisburg	17102	717	787-5953
Catherine Miles Statistical Supervisor	Towne House Apt.	Harrisburg	17102	717	787-4876
	BUREAU OF RESEARCH AND I	DEVELOPMENT			
Dr. David R. Maneval Director Home:	Towne House Apt. 1867 North Oak Lane	Harrisburg State College	17102 16801	717 814	787-5104 238-0977
	APPALACHIA PROGR	AM			
Carl Peterson Director Home:	Towne House Apt. 153 West Maple Avenue	Harrisburg Hershey	17102 17033	717 717	787-4345 533-9037
	COAL MINE SUBSIDENCE INSU	RANCE FUND			
Chester Gormley Director Home:	Towne House Apt. 3641 Brisban Street	Harrisburg Harrisburg	17102 17111	717 717	787-5565 564-2777
	OIL AND GAS CONSERVATION	COMMISSION			
R. J. Hartman, Secretary	1708 Benedum Trees Bldg.	Pittsburgh	15222	412	565-5392
	OIL AND GAS DIVIS	SION			
W. Roy Cunningham Deputy Secretary Home:	1205 State Office Bldg. 919 Harlan Avenue	Pittsburgh Johnstown	15222 15905	412 814	565-5075 299-2812
Dis- trict	Oil and Gas Inspec	tors			
1 Charles C. Songer 2 Howard W. Martin 3 Charles E. Baldwin 4 Wm. J. Burns, Jr. 5 Charles F. Straub 6 Richard F. Walther 7 William E. Sleeman 8 Charles Updegraff	P. O. Box 277 321 N. Eighth Street P. O. Box 26 335 No. Barnett Street 408 No. Main St., Box 141 630 Southview Drive R. D. 5 Port Allegany Road	Pittsfield Indiana Washington Brookville Coudersport Pittsburgh Butler Coudersport	16340 15701 15301 15825 16915 15226 16001 16915	814 412 412 814 814 412 412 814	563-7853 463-0590 222-3295 849-2445 274-8840 563-3656 287-1210 274-9196

	Zip Area <u>Code Code</u> <u>Phone No.</u>							
Gordon E. Smith	Motor Contracts Corp. Bldg			*				
Gordon E. Smith Deputy Secretary	Rm. 2A ~ 108 S. Claude A. Lord Boulevard	Pottsville	17901	717	622-1110			
Home:		Schuylkill Haven	17972	717	385-0023			
H. R. Reese, Director Deep Mine Safety Home:	R. D. 1, Box 146	Elysburg	17901 17824	717 717	622-1110 672-2853			
Rodger J. Howell, Director Bureau of Engr. Home:		Wilkes-Barre Taylor	18701 18517	717 717	822-9150 562-1660			
Roy Unger, Office Mgr. Pottsville	Motor Contracts Corp.Bldg.	Pottsville	17901	717	622-1110			
John Harris, Office Mgr. Wilkes-Barre	90 E. Union Street	Wilkes-Barre	18701	717	822-9150			
	ANTHRACITE CONSERVATION AND	RECLAMATION						
Wesley I. Stonebraker Home:	Motor Contracts Corp. Bldg 3117 Yale Avenue	.Pottsville Camp Hill	17901 17011	717 717	622-1110 761-1751			
	COAL MINE SUBSIDENCE INSU	RANCE FUND						
Harold Alleman, Manager	90 East Union Street	Wilkes-Barre	18701	717	824-9871			
Dis-	Anthracite Mine Insp	ectors						
4 Walter Davis* 10 W. A. Sanders 11 G. F. Kettle 12 G. R. Sterling 13 W. R. Devens 15 A. A. Joyce 16 F. C. 0'Connor 17 C. E. Kashner 18 J. J. Shober, Jr. 19 A. J. Latz 20 A. E. Hand, Acting 21 C. E. Miller 23 G. P. Gallagher 24 A. E. Hand	<ul> <li>366 Monument Avenue</li> <li>216 North Ninth Street</li> <li>928 No. Washington Street</li> <li>1900 West End Avenue</li> <li>R. D. 2</li> <li>1318 Wyoming Avenue</li> <li>Community Square</li> <li>38 Butler Street</li> <li>317 S. Maple Street</li> <li>317 S. Maple Street</li> <li>901 West Spruce Street</li> <li>904 West Spruce Street</li> <li>904 West Phillips Street</li> <li>103 East Arch Street</li> <li>103 East Mahanoy Street</li> <li>103 East Mahanoy Street</li> <li>103 East Mahanoy Street</li> <li>103 East Mahanoy Street</li> <li>104 Street</li> <li>105 Yaux Avenue</li> </ul>	POTTSVILLE	18614 17921 17872 17901 18114 18704 17926 18704 17851 17851 17851 17872 18218 17938 17957 17872 17938 17951 17851 17851 17851	717 717 717 717 717 717 717 717 717 717	693-0222 875-1861 618-0262 622-1107 563-1945 288-6351 514-5262 287-4576 339-0514 544-2573 669-6048 645-5727 662-3084 647-9239 642-3284 647-9239 6682-3284 773-3694 339-1152 672-2853 695-3672			
Electrical Inspectors								
Michael J. Polinko Donald Sandherr William Buggy	1211 Chestnut Street 402 Fleet Street 829 West Independent St.	Kulpmont Pottsville Shamokin	17834 17901 17872	717 717 717	373-9449 622-4955 648-0356			
	Waste Disposal Invest	igators						
John H. Bowman John J. Lavix Albert Lipperini George Berger	1715 North Vine Street 44 Union Street 117 Parsonage Street 424 Spring Street		18603 18705 18640 17931	717 717 717 717 717	752-3884 823-4407 654-6163 874-1132			
	<u>Mine Rescue &amp; First</u>	Aid						
Charles W. Jones Stephen Matsick	231 West Main Street 617 East Patterson Street	Girardville Lansford	17935 18232	717 717	276-6353 645-4256			

* Anthracite Strip Mine Inspectors.

#### COMMONWEALTH OF PENNSYLVANIA

## DEPARTMENT OF MINES AND MINERAL INDUSTRIES

ANTHRACITE OPERATORS - YEAR 1967

	ANTHRACIT	'E OPERATORS - YEAR 19	67		
Dis- trict	Operator	General Manager	Addres	e.	Zip Code
01100	operator	General Hanager	Add1 8.	55	0006
18	A. & D. Coal Co. DM	A. Androkitis	310 Elizabeth St.	Tamagua	18252
26	A. D. & G. Coal Co. DM	J. Alemeda	P. 0. Box 293	Mt. Carmel	17851
12	A. & J. Coal Co. IM	A. Drebitko	West West Terrace		18452
12	A. & P. Coal Co. DM	Joseph Reho	130 W. Broad St.	Williamstown	
10	Ace Anthracite, Inc. B bk	J. Pasternak	419 Center Street	Taylor	18517
10	Ace Coal Co. B	L. Simoncelli	300 Main Street	Blakely	18512
24	Ace Coal Sales BP	Walter Mudry	1349 Chestnut St.	Kulpmont	17851
12	Acme Coal Co. DM	Joseph Reho	130 W. Broad St.	Williamstown	
1	Airport Sand & Gravel Co. S	Frank Sgarlet	Swetland Avenue	Wyoming	18702
28	Alarcon Coal Co. IM	Frank Alarcon	402 Melrose St.	Keiser	17832
26	Alessi Coal Co. DM	Natale Alessi	722 E. Railroad St.	Mahanoy City	17948
23	Al-Mar Coal Co. DM	Albert Deitz	436 W. Third St.	Mt. Carmel	17851
1	Altieri & Benzeleski S	John Vitali	434 Phelps Street	Scranton	18509
16	Anspach & Umbenhauer IM	Fred Anspach	R. D. 1	Pine Grove	17963
4 15	Anthracite Fine Coals, Inc. S	R. E. Doebler		Tremont	17981
15	Archer Coal Co. B	G. M. Seiler	109 E. First St.	Hazleton	18201
26	Ashland Community Enterprises DM		702 Center Street		17921
20	B. & B. Coal Co. IM	A. Bielarski	37 Big Mine Run	Ashland	17921
23	B. & B. Coal Co. DM	N. Anascavage	934 Tharp Street	Shamokin '	17872
28	B. & B. Coal Co. DM	Frank Barella	540 W. Third St.	Mt. Carmel	17851
16	B. & C. Coal Co. DM	Willard Clark		Valley View	17983
26	B-D Mining Co. W bk	G. A. Schnee		Gilberton	17934
17	B. & E. Coal Co. IM	David Ernest	643 Center Street	Shamokin	17872
21	B. & H. Coal Co. IM	Eugene Hawk	R. D. 3	Pine Grove	17963
16	B. & M. Coal Co. DM	Wayne Moyer		Valley View	17983
18	B. & N. Coal Co. BP	Daniel Koury	1038 Laurel Street		18452
12	B. & P. Coal Co. DM	W. D. Showers		Williamstown	
23	B. & S. Coal Co. IM	Leo Bloscovich	1124 W. Montgomery		17872
17	Bank Coal Co. DM	Harold Weikel	24 S. Sixth Street		17872
24	Bar-Mac Coal Co., Inc. BP	Charles Greco	Box L12	Mt. Carmel	17851
11-13	Bartoli Construction Co. bk	Eugene Bartoli	559 E. Northampton		
18	Bear Ridge Coal Co. IM	Peter Smertsky	125 N. 4th Street		17931
15	Beaverbrook Coal Co., Inc. BP	George Huss	W. Main Street	Ringtown	17967
Ĺ	Bell Coal Co. S	A. Kovalchick	Box 251	Brockton	17925
28	Bell Coal Co. DM	Michael Stasik	551 Market Street	Trevorton	17881
4-18	Bernitsky Brothers Coal Co. S DM	J. J. Bernitsky	17 Water Street	New Phila.	17959
18	Bernitsky & Stenulis Partnership D		17 Water Street	New Phila.	17959
15	Big Buck Coal Co. B DM	Edward Kalinovich	37 Main Street	Freeland	18224
19	Big Hill Coal Co. DM	Joseph Zukowski	51 mm 501660	Minersville	17954
26	Blaschak Brothers Coal Co. B DM	John Blaschak	St. Nicholas	Mahanoy City	
1	Bliss Coal Co. S	Carl Bliss	P. 0. Box 345	Mildred	18632
4	Blue Bell Enterprises, Inc. S	J. W. Butcavage	720 Lytle Street		17954
1-10-11-	Side Bell Bride prideby the. B	0. W. Duocavage	120 WOTE DUIEED	unuer svirine	1974
13-15	Blue Coal Corporation B S bk DM	D. H. Thomas	101 S. Main Street	1 chlow	18706
30	Bloch Brothers Coal Co. DM	Harold Bloch	R. D. 2	Hegins	17938
19	Bosack Coal Co. DM	Frank Bosack, Jr.		Pottsville	17901
26	Botella Coal Co., James bk	J. J. Botella	117 William Street		
30	Bowman & Coleman Coal Co. DM	Henry Bowman		Sacramento	17935 17968
20	Bridy Coal Co. DM	Gilbert Bridy	Box 1952, R. D. 1	Shamokin	17872
3-20-23	Bridy, Incorporated bk S DM	Edward Bridy			
26	Brokenshire & Co. IM	G. Brokenshire		Atlas Mahamar City	17811
2	Brook Contracting Corp. S	George Racho	R. D. 127 W. Noble St.	Mahanoy City Hazleton	18201
17	Bruno & Peifer Coal Co. DM	John Bruno		Trevorton	17881
18	Bubel Coal Co. IM	Michael Bubel	P. 0. Box 129	Brockton	17925
18	Bubel Mining Co., Inc. DM	Michael Bubel			
	Buck Coal Co. S		P. O. Box 129	Brockton	17925
3 15	Buckley Coal Corp. BP	John Miller		Mt. Carmel	17851
20		Norman James		Ringtown	17967
16	Burnrite Coal Co. DM	Joseph Zukus		Atlas	17811
11-13	Bush Coal Co. DM	Earl Bush	1404 E. Grand Ave.		17980
4-19	C.B.M. Coal Co. bk	Eugene Bartoli	559 E. Northampton		
1	C.L.S. Coal Co. S	David J. Roderick	172 S. Wyoming St.		18201
1 29	C. & S. Excavating Co. S	Peter Corazzi	101 E. Drinker St.		18512 17872
47 4	Cains Coal Co. B	Edward J. Cain	1412 West Lynn St.	OUGHOKTU	T1015

Dis- trict	Operator	General Manager	Addre	55	Z
26	Capparell Coal Co., Inc. B	Martin Capparell	136 E. 5th Street	Hazleton	18
3-26	Capparell Strip. & Const. Co. bk S		136 E. 5th Street	Hazleton	18
1	Carbondale Coal Co. S	John J. Gillen	78 Cottage Street	Carbonalde	18
19	Cass Contracting Co. BP	James V. Ryan	R.D. 2. Box 360-	Pottsville	17
23	Chango Coal Co. DM	Robert Pittelo	R.D. 2, Box 360-2 201 S. Vine St.	Mt. Carmel	17
17	Chestnut Coal Co. DM	Stephen Shingara	R. D. 3	Sunbury	17
1	Cicio Coal Co. S	Michael Cicio	601 Poplar St.	Mayfield	īŝ
16	Clark Coal Co. DM	Clark Maurer, Jr.	411 E. Main St.	Hegins	17
24	Clay Coal Co. DM	Leonard Rupp	690 Bear Valley Av		17
10	Coalbrook Iron & Metals bk	J. C. Baumann	P. 0. Box 205	Carbondale	18
10	Coalbrook Sales Co. bk	J. C. Baumann	P. 0. Box 505	Carbondale	i
30	Colket Coal Co. DM	J. Messaros	School Row	Branch Dale	ĩ
15	Colket Coal Co. In	Garfield A. Schnee	SCHOOT NOW	Gilberton	1
3	Coleby Coal Co., Inc. B bk		P. 0. Box 173	Ashland	17
18	Conyngham Contracting Co., Inc. S	W. J. Farley G. M. Seiler	109 E. 1st Street	Hazleton	i
	Correale Construction Co. bk		804 W. Market St.	Pottsville	17
19	Coxe Coal Co, 1M	John Swinko			
24	Czech Brothers Coal Co. IM	Stanley Czech	1038 W. Fern St.	Shamokin	17
18	D. H. M. & C. Coal Co. DM	Harry David	R. D. 1	Sch. Haven	1.
17	D. H. & W. Coal Co. DM	Kenneth Whitmer	Box 70-A, R.D. 2	Paxinos	17
17	D. & M. Coal Co. DM	John McAnnaney	Box 112	Gowen City	1
20	D. R. Z. Coal Co. IM	Ernest DiRenzo	330 Melrose St.	Keiser	17
28	D. & S. Coal Co. DM	David Fedako	1915 Race Street	Ashland	17
29	D. V. W. Coal Co. DM	John Davis	309 S. Rock St.	Shamokin	ľ
24	D. & Z. Coal Co. BP	Stanley Diminick	P. O. Box 351	Shamokin	17
19	Dando Coal Co., F. P. DM	F. P. Dando	P. O. Box 583	Pottsville	1.
4	Dando & Troup Coal Co. S	David J. Dando	117 S. 2nd St.	Minersville	1
10	DeAngelis, Inc. B	J. C. Baumann	P. 0. Box 905	Carbondale	18
12	Deeter Coal Co. DM	Eugene Dester	R. D. 1	Hegins	1
21	Dembinsky Coal Co. DM	N. Dembinsky		Minersville	1
20	Diamond Coal Co. BP	Jos. F. Greco	P. 0. Box 412	Mt. Carmel	17
26	DiCassimirro Contracting Co. bk	F. DiCassimirro		Morea	1
24	Diminick Coal Sales BP	Valento Scicchitano	P. O. Box 132	Paxinos	1
19	DiRenzo Coal Co. BP	Dominick DiRenzo	R. D. 2, Box 752	Pottsville	ĩ
24	Dugan Coal Co. IM	J. Leschinski	456 S. Pearl St.	Shamokin	ī
24	Duke Associates DM	Joseph Duke	1023 W. Willow St.		1º
23			808 E. Sunbury St.	Shamokin	ĩ
13		Marlin Dunn	P. 0. Box 36	Duryea	i
26		Arthur Tambur			1
	Dyszel Coal Co. DM	M. Dyszel	229 N. 2nd St.	Girardville	18
1	E. & B. Coal Sales S	Edwin Booth	P. 0. Box 206	Mildred	
28	E. & T. Coal Co. DM	Pedro Ibanez	144 W. 3rd St.	Mt. Carmel	1
21	Echo Coal Co. B	Larry Lucas		Hegins	1
24	Eldy Coal Co. DM	William Lytle	R. D. 2	Shamokin	_1′
12	Elizabethville Coal Co. W bk	Ronald Klinger	P. 0. Box 117	Elizabethvil	
23	Else Coal Co. DM	Charles Else	1321 Chestnut St.	Kulpmont	1.
20	Ennis Coal Co. DM	William Ennis	7 W. Centre St.	Ashland	1.
16	Erdman Coal Co, DM	Jay Erdman		Valley View	1
19	F. & Z. Coal Co. DM	Louis Fetterolf	R. D. 1	Ashland	1.
17	Fairdeal Coal Co. DM	Leon Shingara	527 Bear Valley Av	Shamokin	1,
21	Falls Coal Co. DM	Herman Stine		Tremont	1
18	Farley Coal Co. DM	J. N. Farley	P. O. Box 78	Pottsville	1
30	Faust Coal Co. DM	Charles Faust		Muir	1
18	Fauzio Coal Co. bk	Joseph Fauzio		Nesquehoning	
18	Fegley Brothers Coal Co. DM	Leonard Fegley	P. O. Box 95	Quakake	11
17	Fetterolf Coal Co. DM	Harvey Fetterolf	R. D. 1, Box 40	Shamokin	1.
18	Film Coal Co., Inc. bk	G. M. Seiler	P. 0. Box 12	Middleport	ī
16	Fireside Mining, Inc. IM	James Schoffstall	281 S. Main St.	Pine Grove	ĩ
3	Folger & Chapleski S	Leonard Chapleski	P. 0. Box 5	Ranshaw	ī
26	Forgotsch Brothers Coal Co. IM	Vincent Forgotsch	522 W. Mahanoy St.		
26					ī
20 24		Joseph Sluck	P. 0. Box 395	Gilberton	
	Four Partners Coal Co. DM	John Vrona	614 E. Sunbury St.		1
30	Franklin Coal Co. BP.	Franklin Miller		Ravine	1
12	Fronk, George B	George Fronk	<b>70</b> 0.13	Valley View	1
26	G. & B. Coal Co. DM	T. Gaughen	58 Oakland Street		1
30	G. & T. Coal Co. DM	Malcolm Thompson	235 W. Main Street		1
23	G. M. P. Coal Co. DM bk	Albert Geslock	501 E. 7th Street	Mt. Carmel	л.
12-20	Gangloff Brothers bk	Gene Gangloff		New Ringgold	11
28	Garcia Coal Co. DM	Joseph Garcia	1053 Spruce Street	Kulpmont	1
17	Gem Coal Co. No. 3 DM	Clifford Artman	Box 71-A, R. D. 1	Shamokin	17
	Gilberton Coal Co. B S	Garfield A. Schnee	P. 0. Box 423	Gilberton	1'
3-26					
3-26 13	Giovannini, Joseph bk	Joseph Giovannini	223 Sanovia Street	Exeter	17

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Dis~ trict	Operator .	General Manager	Addres	38	Zip Code
24	Glen Burn Colliery, Inc. B	Joseph J. Parker	P. O. Box F	Shamokin	17872
11	Glen-Nan Coal Co., Inc. DM	George H. Kienzle		Wilkes-Barre	
10	Glenmore Colliery, Inc. bk B	Joseph Costello	P. 0. Box 106	Dickson City	
19	Glenn Worth Coal Co. BP	Carl L. Hoke	2205 W. Market St.	Pottsville	17901
3-24	Glosek Bros. Coal Sales, Inc. S BP			Shamokin	17872
ii	Glyon Coal Co., Inc. DM	A. Ciarofoni		Wilkes-Barre	
16-21	Good Spring Coal Co. DM	Fred Lucas	309 W. Main St.	Tremont	17981
18	Gorenty Coal Co. DM	Earl Gorenty	Walnut Street	Middleport	17953
2-15	Gowen Coal Co. B S	Elmer Roth		Fern Glen	18241
16	Green Coal Co. DM	John Stahl	R. D. 2	Hegins	17938
18	Greenwood Mining Co. BP	Joseph Fauzio	P. O. Box 269	Tamaqua	18252
2	Greenwood Stripping Corp. S	Joseph Fauzio	One Venice St.	Nesquehoning	18240
24	Grego & Deitz Coal Co. DM	Stanley Grego	836 W. Spruce St.	Shamokin	17872
15	Greybosh Coal Co., Inc. BP	A. Yenchick	Hazleton Road	Hazleton	18201
17	Gudelunas Coal Co. DM	Frank Gudelunas	27 S. Spruce St.	Mt. Carmel	17851
17	H. J. & H. Coal Co. BP	Harry D. Reitz	R. D. 1	Milton	17847
26	H. M. B. & P. Coal Co. DM	Charles Mitchell	107 Reed Street	Girardville	17935
19	H. & P. Coal Co. DM	Joseph Hudock		Llewellyn	17944
24	H. & S. Coal Co. DM	Henry Heiser	146 E Avenue	Mt. Carmel	17851
30	H. & S. Coal Co. DM	Robert Maurer	R.D.1	Hegins	17938
21	Haas Coal Co. DM	Lester Haas		Pitman	17964
19	Halaburda Coal Co. DM	Bernard Halaburda	231 Wylan Street	Frackville	17931
30	Haldeman Coal Co. DM	Adam Z. Haldeman	R. D. 3	Pine Grove	17963
20	Hanks Coal Co. DM	Henry Szymanski	544 W. 3rd Street	Mt. Carmel	17851
26	Hard Top Coal Co., Inc. DM	Joseph Sluck	P. O. Box 183	Lost Creek	17946
16	Harman Coal Co. DM	Clair Harman		Valley View	17983
12	Harner Coal Co. IM	Alfred Harner		Valley View	17983
16-21	Hatter Coal Co. IM	Jacque Hatter		Hegins	17983
19-21	Hegins Mining Co. DM	William E. Carl	521 E. Walnut St.	Hegins	17938
20	Hepler Coal Co. DM	Charles Hepler	1320 Scott Street	Kulpmont	17834
16	Herb & Reed Coal Co. DM	Harry L. Reed		Tower City	17980
21	Herring Brothers Coal Co. IM	Lester Herring	R. D. 2	Pine Grove	17963
16	Hi-Test Coal Co. DM	Kenneth Curran	Goodspring 3	Tremont	17981
2-15	Honeybrook Mines, Inc. B S	George Seiler	109 E. 1st Street 118 N. 6th Street	Hazleton	18201
24	Hoover Mining Co. BP	George Hoover	118 N. 6th Street	Sunbury	17801
12	Hornberger Coal Co. BP	Charles Hornberger	P. 0. Box 320	Ashland	17921
19	Horvath Partnership IM	Harry David	R. D. 1	Sch. Haven	17972
13	Houston City, Inc. bk	T. Haddock	P. 0. Box 36	Avoca	18641
3,2	Howells, T.S. & Olaf Strip. Co. S.		1475 Scott Street	Kulpmont	17834
2-15	Huss, George WS bk	George Huss	W. Main Street	Ringtown	17967
19-21-30	Industrial Coal Sales Co. BP DM	Robert E. Doebler		Tremont	17981
16 18	J. & C. Coal Co., Inc. IM	Jos. Walacavage	R. D. 1	Pottsville	17901
2-15	J. & E. Coal Co. BP	Edward P. Patrick	R. D. 3	Tamaqua	18252
	Jeddo-Highland Coal Co. BS bk	Frank Moran	800 Exeter Ave.	W. Pittston	18640
3 26	Jet Coal Co. S K. & C. Coal Co. DM	John Menapace	P. O. Box 443	Mt. Carmel	17851
24		Joseph Kroh	18 E. Mahanoy Ave.	Girardville	17935
26	K. & D. Coal Co. BP K. & J. Coal Co. bk	Albert Kopenhaver Leon Jurgill	Box 415 709 N. Paxton St.	Shamokin Centralia	17872 17927
28	K. & K. Coal Co. DM				17872
29	K. K. & E. Coal Co. DM	George Kastroba Robert Kabonick	R.D. 2, Cole Run 821 W. Mulberry St.	Shamokin	17872
18	K. M. & F. Coal Service BP	Howard Fees	Washington Street		17953
19	K. & P. Coal Co. DM	Charles Kiertekles	P. O. Box 296	Minersville	17954
21	K. S. & F. Coal Co. DM	Melvin Kroh	R. D. 2	Hegins	17983
20	K. & Z. Coal Co. DM	Joseph Zack	757 Tioga Street	Shamokin	17872
20	Kaleta Coal Co. DM	James Kaleta	Box 229-A	Shamokin	17872
2-15	Kassa Coal Co. DM S	Nicholas Kassa	322 Simpson St.	Dupont	18641
16	Keffers Coal Co. DM	Robert Barder	2	Valley View	17983
4-12-26	Kerrigan Coal Co., Inc. BP W bk S	Paul Kerrigan	3rd & Chestnut St.		17931
3	Kerris & Helfrick, Inc. S	Edward Helfrick	Lehigh & Poplar St.		17851
28	Kerstetter Coal Co. DM	Lamar Kerstetter	R. D. 1	Shamokin	17872
12	Kintzel Bros. Coal Co. DM	Nathan Kintzel	R. D. 2	Pine Grove	17963
1.8	Klimas Coal Co. DM	Albert Klimas	31 Clay Street	New Phila.	17959
21	Klinger Coal Co. DM	Earl Klinger	R. D. 2	Hegins	17938
19	Koch Coal Co. DM	Floyd Koch	R. D. 2	Sch. Haven	17972
4-16	Kocher Coal Co., Leon E. BP S	R. W. Rissinger		Valley View	17983
21	Koons Coal Co., Marcus DM	Junior Harner		Tremont	17981
12	Koppenhaver Coal Co. DM	Howard Koppenhaver	203 W. Laurel St.	Tremont	17981
4	Krell Coal Co., Philip S	Philip Krell	R. D. 3	Tamaqua	18252
18	Kristoff Coal Co. DM	George Kristoff		Mary D Pine Grove	17952 17963
21	L. E. H. Mining Co. DM	Howard Renninger	111 High Street	Pine Grove	
11	L. J.B., Inc. bk	Arnold Biscontini	St. Mary's Road	Wilkes-Barre	T0.105

Dis-					z
trict	Operator	General Manager	Addres	38	С
28.	L. & M. Coal Co. DM	Lambert Reber	R. D. 2, Box 309	Shamokin	17
13	Laflin Heights Coal Co. bk	Louis Falzone		Wyoming	18
12	Lahr Coal Co. IM	Marlin Lahr	Site "Several Tree	Williamstown	17
18	Lanscoal Mining Co., Inc. DM	Stephen Karabinos	West Ridge Street	Lansford	18
12	Last Charge Cool Co. DM	Wilbur White	R. D.	Ashland	17
15	Last Chance Coal Co. IM Lech Coal Co. bk		R. D. 2		18
15		Stanley Lech		Tamaqua	
15	Lee Mining Co., Inc., J.F. DM	Joseph F. Lee	836 N. Church St.	Hazleton	18
16	Legal Coal Co. BP	Kenneth Curran	Goodspring 3	Tremont	17
	- Lehigh Valley Anthracite, Inc. -18-26 BP B bk S	Henry Ventre	800 Exeter Ave.	W. Pittston	18
12	Lehman Coal Co., Mervin IM	Mervin Lehman	R. D. 1	Pine Grove	17
19	Live Oak Coal Co. BP	Peter Laychock, Jr.	R. D. 1, Box 84-A	Pottsville	17
26	Lowet Weller Cool Co. Tro. P. ble	H. Yudecufski		Mahanoy City	17
	Locust Valley Coal Co., Inc. B bk		P. O. Box 179 825 Lott Street		
23	Lone Pine Coal Co. DM	Jerome Zupicich		Shamokin	17
3	Long Coal Co., Millard S	Millard Long	933 Chestnut St.	Kulpmont	17
28	Lotus Coal Co. DM	Thomas Anzulovich	1335 Webster St.	Shamokin	17
24	Lower Region Colliery W	Leonard Chapleski	P. O. Box 5	Ranshaw	17
24	Lytle Brothers Coal Co. IM	William Lytle, Jr.	634 W. Spruce St.	Shamokin	17
12	M. A. D. Coal Co. DM	Alvin Morgan		Williamstown	17
17	M. & C. Coal Co. DM	Osborne Cressinger	R. D. 1	Paxinos	17
19	M. & N. Coal Co. DM	Michael Olenick	224 N. 20th Street	Pottsville	17
20	M. & P. Coal Co. bk	Frank Moncavage	122 W. Girard St.	Atlas	17
20	M. & S. Coal Co. DM	Allen Shoffler	337 Melrose Street		17
21	M. & W. Coal Co. DM	George Motter	R. D. 1	Pine Grove	17
20	M. & W. Coal Co. DM	W. H. Brennan	503 W. Avenue	Mt. Carmel	17
21	M. W. S. Coal Co. DM	Palmer Mervine	P. 0. Box 306	Ashland	17
12		Russell Kerstetter	1520 W. Walnut St.		17
16			TYCO W. WAIHUG DD.	Joliett	17
26	Madenford Coal Co. IM	George Madenford			17
	Maksimik Coal Co. bk	S. Maksimik	435 W. Columbus St.		
26	Malho Coal Co. B	M. Malho		Lavelle	17
18-19-21	Manbeck Dredging Co., Inc. W bk	Kenneth Heiser	318 E. Liberty St.		17
16	Marby Coal Co., Inc. IM	Charles Thomas		Shamokin	17
12	Marchuk & Sons Coal Co. BM	Stephen Marchuk	1804 E. Wiconisco	Reinerton	17
15	Marko Coal Co. DM	J. J. Markosky	436 W. Columbus St.	Shenandoah	17
26	Marion Mining Co., Inc. B DM	M. A. Raczkowski	725 W. Coal Street	Shenandoah	17
18	Mar Strip & Excavating Co. bk	Joseph Mariner	R. D. 2	Tamaqua	18
17	Marquette Coal Co. DM	Darwin Marquette	611 W. Pine Street		17
19	Martin Enterprises DM	Charles Martin	R. D. 1	Pottsville	17
13	Martinelli Coal Co., Mathew bk	Mathew Martinelli	180 Parsonage St.	Pittston	18
10	Matisko Coal Co. B bk	John Matisko	Mt. Cobb Rd.,R.D.3		18
28			820 Lott Street	Shamokin	17
28		Paul F. Maurer			17
	Mayton Brothers Coal Co. DM	Joseph Mayton	R. D. 2, Cole Run	Shamokin	
15	Mazaika Brothers Coal Co. BP	Edward Mazaika	R. D. 2	Tamagua	18
2	Meadow Coal & Excavating Co. S	Andrew Brazzo	New Coxeville Rd.	Beaver Meadow	
12	Meadowbrook Coal Co. W bk	Leslie Kimmel		Tower City	17
1-13	Meg Coal Co. S bk	Ross Gelso	1948 Wyoming Ave.	Exeter	18
30	Mercury Coal Co., Inc. DM	Leon Richter		Tremont	17
26	Mickey Coal Co. IM	J. Mikatavage	40 Oakland Street	Ashland	17
21	Miller Coal Co. IM	Daniel Miller		Valley View	17
19	Minersville Coal Co., Inc. BP	Leo Strenkoski	Drawer N	Minersville	17
13	Moffat Coal Co., Inc. DM	E. W. Lamb	P. O. Box 486	Scranton	18
13	Moffat Premium Anthracite, Inc. B	Mike Costanzo	78 Cottage Street	Carbondale	18
17	Moore Coal Co. DM	Claude Moore	R. D. 2, Box 281	Shamokin	17
20	Morack Coal Co. DM	John Morack	407 N. Vine Street		17
29	Motto Partnership DM	Frank J. Motto			17
			P. O. Box 13	Excelsior	18
13	Mountain Coal Co. DM	Thomas Supey	55 W. 6th Street	Wyoming	
18	Mountain Side Coal Co. BP	Roy Habel	648 E. Broad St.	Tamaqua	18
21	Mountain Top Coal Co. DM	William Vesay		Minersville	17
28	Mountain View Coal Co. DM	William Heitzman	P. O. Box 340	Shamokin	17
15	McAdoo Mining Co. DM	Eugene Pinter	62 N. Tamaqua St.	McAdoo	18
17	N. & L. Coal Co., Inc. DM	Anthony Novrocki	R. D. 1	Paxinos	17
13	N. & R. Coal Co. bk	Nunzy Savoy	25 Barber Street	Exeter	18
21	Newmeister Coal Co., James DM	James Neumeister	R. D. 1, Box 66	Ashland	17
16	Ney & Lehman Coal Co. DM	Carl Ney	300 S. Maple St.	Mt. Carmel	17
28	Ney a Lemman coar co. IN No. 1 Coal Mine DM	Raymond Keefer	R. D. 2, Box 288	Shamokin	17
12	No. 4 Coal Co. DM	Frank Lucas	D. 2, DOX 200		17
				Hegins	
4	North East Mining Co. S	Joseph T. Hughes		Middleport	17
3	North Line Coal Co. S	C. Wayne Troxell	P. 0. Box 12	Shamokin	17
1	Northwest Mining Co., Inc. S	John J. Gillen	78 Cottage Street	Carbondale	18
30	Oakwood Coal Co., Inc. BP	David Deaven, Sr.	R. D. 3	Pine Grove	17
19	Old Mill Coal Yard BP	Raymond Stein	P. 0. Box 172	Llewellyn	17

Dis-		٠			Zip
trict	Operator	General Manager	Addre	\$5	Cod
19	Olenick Brothers Coal Co. BP	Nicholas Olenick	R. D. 1, Box 117-A	Pottsville	1790
13	Oliver, Carl bk	Carl Oliver	P. O. Box 447	Honesdale	1843
26	Olman & Co. DM	J. Olman	46 N. Tamaqua St.	McAdoo	1823
.0	Opalka Brothers DM	Adam Opalka	307 Whitmore Ave.	Mayfield	1843
.3	O'Toole, John F. B	John F. O'Toole	208 S. Hyde Ave.	Scranton	1850
.9	P. & H. Coal Co. DM	Walter Pewor	R. D. 2, Box 550	Pottsville	1790
8	P. & R. Coal Co. DM	Joseph Rutkowski	827 Scott Street	Kulpmont	1783
4	P. & S. Coal'Co. DM	George Shumock	624 State Street	Shamokin	1787
8	Pacine Coal Co. bk	Michael Pacine	Water Street	Cumbola	1793
n i	Panther Head Coal Co. DM	Charles Butensky		Branch Dale	1792
ō	Panzitta Construction Co. DM	Joseph Panzitta	64 Bennett Street	Wilkes-Barre	1870
1			419 Center Street	Taylor	1864
		John Pasternak			1787
0	Penag Coal Co. B DM	Edward V. Twiggar	Sunbury & Rock Sts		
0	Penbrook Coal Co. B bk	Richard Fabri		Archbald	1840
0	Pennsylvania Coal Co. M	J. A. Martin	Jefferson Avenue	Scranton	1850
3	Pennsylvania Dept. of Highways bk	F. Wallace	P. 0. Box 1247	Scranton	1850
3	Perry Coal Sales Co., Thomas bk	Thomas Perry	530 Green Ridge St	Scranton	1850
7	Phillips Coal Co. DM	Lewis Phillips	R. D. 1, Box 133	Shamokin	1787
-19-21-2	OPhoenix Contracting Co. bk BP S	William L. Jones	P. O. Box 433	Pottsville	1790
2	Pine Creek Coal Co. BP	Ronald Klinger	Main Street	Spring Glen	1797
9	Pine Line Coal Co. DM	H. J. Wallick	302 S. Market St.	Shamokin	1787
6	Pleasant Hill Coal Co. DM	P. Smulligan	Vulcan	Barnesville	
6	Polcovich Coal Co. DM	J. Polcovich	103 E. Centre St.	Centralia	1792
5				Hunlock Ck.	
0		George Sorber	Route 11 P. O. Box 91		1843
	Pompey Coal Co. B bk	Charles Pompey		Jessup	
0	Poponiak Brothers Coal Co. DM	John Poponiak	146 Warsaw Street	Keiser	1783
3	Popple Coal Sales Co., Raymond bk		300 Newrose Bldg.	Pittston	1864
8	Premium Fine Coal Co., Inc. bk	John Federak	202 Hunter Street	Tamaqua	1825
-28	R. B. F. Coal Co. bk S	Robert Fanella	P. O. Box 454	Mt. Carmel	1785
6	R. & K. Coal Co. DM	George Rigdoah		Wiconisco	1790
6	R. & J. Coal Co. DM	Gene Minnich		Pine Grove	1796
D	R. & L. Coal Co. IM	Francis Revenis	528 Locust Ave.	Centralia	1792
8	R. & R. Coal Co. BP	Ronnie Roinick	521 Oak Street	Jim Thorpe	1822
3-15	Racho, George bk	George Racho	371 Church Street	Hazleton	1820
3	Ramph Coal Co DM	Melvin Ramph	1101 Chestnut St.	Kulpmont	1783
.8	Randolph Coal. Co. bk	P. J. Connors	P. 0. Box 173		1790
3-24-29	Ranshaw Transportation &	r. J. Connors	r. 0. DOX 1/5	FOCOSVIILE	1190
	Auto Wreckers Co. W bk	Leonard Chapleski	P. 0, Box 5	Ranshaw	1786
-4-17-	Reading Anthracite Co.	M. F. Farrell	200 Mahantango St.	Pottsville	1790
8-19-23-					
1-26	Reichwein & Beury Coal Co. B DM	Harold Reichwein	R. D. 1, Box 261	Ashland	1792
7	Reidinger Coal Mining Co. DM	Joseph Reidinger	P. O. Box 4	Paxinos	1786
4	Reidinger Coal Service, Inc. BP	C. Wayne Troxell	P. 0. Box 12	Shamokin	1787
3	Reilly Contracting Co. bk	T. J. Reilly	P. 0. Box 219	Hazleton	1820
2	Reiner Coal Co. DM	William Reiner		Tower City	1798
1	Rekla Coal Co., Inc. DM	Henry J. Recla	119 E. Norweigan	Pottsville	1790
5-21	Renninger & Partners Coal Co. DM	Theodore Renninger	Zerbe	Tremont	1798
9	Rickert Coal Co. DM	Thomas Rickert, Sr.	111 S. 4th Street	Tower City	1798
0	Rider Coal Co. DM	Louis Coccodrelli	541 Main Street	Peckville	1845
7	Rocky Mountain Coal Co. IM	Melvin T. Kerstetter		Shamokin	1787
-24	Rosini Coal Co. BP S	E. J. Rosini	P. O. Box 184	Shamokin	1787
5	S. B. K. Coal Co. DM	Mark Shade		Hegins	1793
ŝ	S. & C. Coal Co. DM	W. J. Stellar	1302 Scott Street	Kulpmont	1783
3	S. & D. Coal Co. S	Ernest DiRenzo	330 Melrose Street		1783
L	S. & F. Coal Co. DM			Seltzer	1797
2		John Federovich	Main Street		
	S. & K. Coal Co. DM	Palmer Klinger		Valley View	
1	S. & M. Coal Co. DM	John Simodjeka	325 Penn Street	Minersville	
3	S. & S. Contracting Co. S	Edward Sosnoski	219 E. Melrose St.	Keiser	1783
Ś	S. & S. Coal Co. DM	Lloyd Stutzman		Valley View	
2	S. & S. Coal Co. DM	Michael Schieb	Star Route Box 10	Tremont	1798
Ļ	S. S. M. Coal Co. DM	James Schoffstall	101 W. Main Street	Tremont	1798
5	S. & W. Coal Co. DM	C. L. Williamson		Valley View	1798
3	Sanchez Construction Co. S	James Curran	P. 0. Box 176	Minersville	1795
<i>,</i>	Sanders Coal Co. DM	Walter Anascavage	1015 W. Pine St.	Shamokin	1787
3	Savitski Bros. Coal Sales BP DM S	Edward Savitski	Forest & Mulberry	Atlas	1781
3	CALTANNEL DIADE AADT DETED DL THID		Star Route 319	Tremont	1798
3 -20			Dogt HORDE JY2		
3 -20 9	Scheib Coal Co. DM	Michael Scheib		Temperate	
3 -20 9 8	Scheib Coal Co. DM Schickram, William bk	William Schickram	130 Clay Street	Tamaqua	
3 -20 9 8 0	Scheib Coal Co. IM Schickram, William bk Schneck Coal Co., Thomas W. BP	William Schickram Thomas W. Schneck	130 Clay Street R. D. 1	Pine Grove	1825
3 -20 9 8	Scheib Coal Co. DM Schickram, William bk	William Schickram	130 Clay Street R. D. 1 R. D. 2, Box 360 ¹ ź		

19-20     Sortt Coal Co. IM     Donald Metzinger     Chefry Street     Lavella     1       1-3     Scenarating Co., 5k     Rocco Donaiana     3k. MClure St. Odl Forge If       19     Seanawating Co., 5k     Rocco Donaiana     530 Lytle Street     Numerry Coal       13     Sebastopol Coal Co., DM     A. Glarratano     P. O. Box 72     Pitteton       14     Sharp Muntain Coal Co., DM     Henry Reber     R. D. 1     Tremont       15     Sharp Muntain Coal Co., DM     Henry Reber     R. D. 1     Dupont       16     Sherry Coal Co., Dm. DM     Hord Marrat     P. O. Box 216     Mulary Stere       17     Starpeck Coal Co., Inc. BK DM     Edward Stanintus     P. O. Box 216     Mulary Stere       18     Sliver Oreck Coal Co., Inc. Bk DM     F. Dicassinirro     P. O. Box 216     Mulary Stere       18     Skripnek Coal Co., Inc. Bk DM     Hobert Greeo     P. O. Box 216     Mulary Stere       19     Santak Michael     S     Michael Stenska     P. O. Box 216     Mulary Stere       19     Santak Michael     S     Michael Stenska     P. O. Box 216     Mulary Stere       10     Santak Michael     Michael Stenska     P. O. Box 216     Mulary Stere       11     Santak Michael     Mulary Stere     Mulary Stere     Mulary	Dis-	0t	Company Managar			Zi
1-13       Scranton Excavating Co. S bk       Rocco Domiana       3 E. McClure St. 014 forge 10         13       Schastopol Coal Co. Dk       A. Giarratano       New Fulton       New Fulton         13       Schastopol Coal Co. DK       A. Giarratano       New Fulton       Valley View Li         14       Sharp Mountain Coal Co. DK       Herry Rober       R. D. 1       Theorem       Spring Gian         13       Schapen Coal Co. DK       Herry Rober       R. D. 1       Spring Gian						Co 179
19       Seenawatikis Bros. Coal Co. DM       A. Geamawatikis       530 Lytle Street       Pittston       16         13       Sebastopol Coal Co. DM       A. Giarratano       Pittston       16         14       Shade Coal Co. DM       Henry Rober       R. D. 1       Tremont       17         15       Shary Coal Co., Don DM       How Harrer       Roy Harrer       Nilliamston I       17         16       Shiryerbrook Anthractbe, No. B       Hindlas Kassa       22 Simpson St.       Nilliamston I         17       Starpnek Coal Co. IM       Desard Simintus       R. D. 1, Doy Petterstille       17         18       Sirverbrook Anthractbe, No. B       Defard Simintus       22 Contas Areane       Mahango City II         18       Sirverbrook Anthractbe, No. B       Pittston       Pittston       22 Contas Areane       Michael Stenska         19       Sirverbrook Coal Co. IM       Hoero Synder       R. D. 1       Hagkins       11         12       Saelts Coal Co. IM       Hoero Synder       R. D. 1       Hagkins       11         13       Sorickeh Coal Co. IM       Jons Stahl       R. D. 2       Pittston       11         14       Stahl Coal Co. IM       Jons Stahl       S. Mainstreet       Mahango City II       11						185
33       Sebastopol Coal Co. DK       A. Giarratano       F. O. Box 72       Pittoton       Pittoton         21       Sharp Mountain Coal Co. DK       Alrin Shade       Nalley Yier 11         21       Sharp Mountain Coal Co. DK       Henry Reber       R. D. 1       Thermont MI         22       Sharp Mountain Coal Co. DK       HE Marker       Spring Gien II         23       Silver Creek Coal Co. DK       HE Marker       Score Spk.       Dapont         24       Shire Creek Coal Co. IN       He Marker Bunchact       P. O. Day Spk.       Printing Cial         25       Silver Creek Coal Co. IN       Barden Sunska       P. O. Box 355       Markar Bunchact       P. O. Box 355         26       Skytop Coal Co., Inc. B bk DM       P. NiCassinirov       P. O. Box 355       MarkarO (tiv J)         27       Sundar Coal Co. IN       Hobert Greeo       19 S. Oak Street       Margua 16         27       Sundar Coal Co. IN       Edvard Sorokach       R. D. 1       Mightanog (tiv J)         28       Sundar Coal Co. IN       Hittono Bancake       R. D. 2       Pine Grove 11         29       Sundar Coal Co. IN       Hobert Greeo       L9 S. Oak Street       Margua 16         29       F. D. Bangar Sorokach       F. D. Bangar Sorokach       F. D.						
16     Shade Coal Co. DM     Alvin Shade     Value Y Vaer 11       12     Sharry Coal Co., Don IM     Henry Rober     R. D. 1     Tremont 17       13     Sherry Coal Co., Don IM     Russell Shomper, Jr.     Williamstorn 17       13     Silverbrook Anthracite, Inc. B     Micholas Kassa     32 Simpson St.     Dynoth     14       13     Silverbrook Anthracite, Inc. B     Micholas Kassa     32 Simpson St.     New Phila.     17       14     Skirpek Coal Co., IM     Barard Simintus     R. D. 1     New Phila.     17       15     Sirrintus Coal Co. IM     Barard Simintus     R. D. 1     Jack Structure     16       26     Silo-Dur Coal Co. IM     Barard Simintus     R. D. 1     Jack Structure     16       26     Silo-Dur Coal Co. IM     Hobert Oreco     10     16     17       21     Sanchr Coal Co. IM     Hobert Oreco     10     17     16       21     Sonokach Coal Co. IM     Elward Sorokach     R. D. 2     Pine Grove I       21     Sonokach Coal Co. IM     Elward Sorokach     R. D. 3     Tamaqua       21     Sonokach Coal Co. IM     John Stahl     11     Jakary Teer Ji       23     Starwood Coal Co. IM     John Stahl     11     Jakary Teer Ji       24     <				530 Lytie Street		
21     Sharp Mountain Coal Co. DM     Henry Rober     R. D. 1     Theorem to the system of the system s	13			$P_{\bullet} = 0$ , Box $12$		
16     Sherry Coal Co., Don IM     Roy Harner     Spring Cien IJ       13     Shlvertrock Anthracite, Inc. B     Micholas Kassa     32 Singerock Anthracite, Inc. B       13     Shlvertrock Anthracite, Inc. B     Micholas Kassa     32 Singerock Cal Co., Inc. B       19     Skringek Cal Co., Inc. B     Micholas Kassa     32 Singerock Cal Co., Inc. B       26     Skrytep Coal Co., Inc. B bk DM     F. DiCassiniro     P. O. Box 355       21     Schropk Coal Co., Inc. B     Micholas Kassa     22 Singerock       22     Clas Cal Co., Inc. B     Micholas Kassa     25 Sondan Avenue Martial di       23     Canbarn Coal Co., Inc. B     Micholas Kassa     25 Sondan Avenue Martial di       24     Canbarn Coal Co., Inc. B     Micholas Kassa     P. O. Box 355       25     Sondac Coal Co., Inc. B     Boort Sarder Sarder Coal Co.     Micholas Kassa       26     Sondac Coal Co., Inc. B     Dons Stall     P. D. 1     Tamaqua       21     Spancake Herring Coal Co., IM     John Stall     Naler Y See Ti     Valley Yier Ti       26     Starwood Coal Co., Inc. B     Konehill Coal Co., Inc. B     Starwood Coal Co., Inc. B     Starwood Coal Co., Inc. B       26     Starwood Coal Co., B     Eagene Massinger     P. O. Box 502     Tamagua     Malanoy City Ti       26     Starwood Coal Co., B						
12       Shong'er Coal Co. PP IM       Hussell Shonger, Jr.       Williamstown ID         13       Silver Creak Coal Co., Inc. BP       Andrew Bonchack       P. O. Box 245       Buor St.       Dupon ID         14       Skripnsk Coal Co., Inc. BP       Andrew Bonchack       P. O. Box 245       Bew Thila. I         15       Skripnsk Coal Co., Inc. Bk DM       Edward Simintus       222 Glay Street       Hanagau       16         26       Skripnsk Coal Co., Inc. Bk DM       F. D. Box 355       Malaney Olty JI         21       Sanaka, Michael S       N       Michael Stenska       225 Gorham Avenue Mayfield       16         26       Sic-Bun Coal Co., Lercy IM       Lercy Synder       R. D. 1       Higtins       11         21       Sanaka Coal Co., Lercy IM       Lercy Synder       R. D. 1       Higtins       11         23       Sories Coal Co., DM       Michael Stenneke       R. D. 2       Paraines       14         23       Spring Creak Coal Co., DM       John Stahl       Kale Coal Co.       Tamaqua       16         24-28       BP IM ks       State Coal Co., HP       Hayde Paraines       10       State Coal Co. IM       John Stahl       Sular Street Kale Action 17         25       State Coal Co., Inc. BP kd       Abrace R. Williss				R. D. I		179
33       Silverbrock Anthractics, Inc. B       Micholas Kassa       322 Simpson St. Dupont       16         19       Skripnek Coal Co., IN. DF       Andrew Bonchack       P. O. Boz 2/5       New Filla. I         19       Skripnek Coal Co., IM. Deniel Skripnek       P. O. Boz 2/5       New Filla. I         26       Skripnek Coal Co., IM. Behard Skripnek       P. O. Boz 3/5       Michael Stenska         27       Skripnek Coal Co., IM. Bobert Greco       H. D. I. Hegins       II         11       Sanchack Addensel Stenska       R. D. I. Hegins       II         28       Solcakn Coal Co., IM. Bobert Greco       H. D. S. Cak Street H. Garmel II       If Head Stenska         29       Sonth Tamaqua Coal Pockats BP       Donald Warne       R. D. I. Hegins       II         20       Starbood Coa, Inc.       F. Lawrence Bechtel       R. D. 2       Fine Grove II         20       Starbood Coal Co., Inc. F. D. M. don Stahl       Starbood Coal Co., DM. don Stahl       Valley View II         21       Starwood Coal Co., DR P. doal Stroheoker       R. D. 1       Starbood Coal Co. M. don Stahl       Valley View II         23       Starwood Coal Co., DR P. doal Stroheoker       R. D. 1       Starbood Coal Co. FP       Lawrence G. Lebo         24       Starwood Coal Co., DR P. doal Stroheoker       R. D. 1 <td></td> <td>Sherry Coal Co., Don DM</td> <td></td> <td></td> <td></td> <td>179</td>		Sherry Coal Co., Don DM				179
13       Silver Creek Coal Co., Inc. BP       Andrew Bonchack       P. O. Box 246       Mew Fhila. 17         13       Skripnek Coal Co. IM       Daniel Skripnek       R. D. 1, Box 99%       Fortamaya       Fortamaya         14       Skripnek Coal Co. IM       Daniel Skripnek       222 Clay Street       Mahanoy City 17         1       Sinchas, Michael S       Michael Slenska       225 Gorham Areme Mayfield       16         25       Slo-burn Coal Co. IM       How F. DiCasstimiro       225 Gorham Areme Mayfield       16         12       Smeltz Coal Co. IM       Joseph Shade       R. D. 1       Hykens       17         13       Sorokach Coal Co., Leroy IM       Levor Synder       R. D. 3       Tamaqua       16         21       Spancake & Herring Coal Co., IM       Edward Sorokach       R. D. 3       Tamaqua       16         21       Starbood Coal Co., Im.       Edward Sorokach       R. D. 3       Tamaqua       16         21       Starwood Coal Co., Im.       John Stahl       John Stah						
19     Skrinpek Coal Co. DM     Edward Sirinitus     R. D. 1, Box 99% Portsville 17       26     Skripek Coal Co. IM     Daniel Skripek     222 (12) Street     Tamaqua 16       26     Skripek Coal Co., Im.     Bok MM     F. DiCassimiro     P. O. Box 355     Mahancy City 17       27     Suncha Machael S     Michael Stenska     Michael Stenska     Michael Stenska     Michael Stenska       28     Suncha Coal Co. IM     Joseph Shade     R. D. 1     Hegins 11       29     Sunchach Coal Co. IM     Edward Sorokoch     R. D. 1     Hegins 11       20     Sunchach Coal Co. IM     Edward Sorokoch     R. D. 2     Pine Grove 17       217-21     Spilt Vein Coal Co., Inc.     Elwood Swank     R. D. 2     Pine Grove 17       217-22     Spilt Vein Coal Co. IM     John Stall     Naine Stall     Vallay View 11       216     Stanił & Shade Coal Co. IM     John Stall     Is. Main Street Haulow 110     Vallay View 11       216     Stonhiła Coal Co. IP     Lawrenne G. Labo     N. D.     Filesthville       216     Stonhiła Coal Co. IP     Halph Steinhart     P. O. Box 502     Trevorton 11       216     Stonhiła Coal Co. IP     Halph Steinhart     P. O. Box 20     Walley View 11       217     Statara Coal Co. IP     Halph Steinhart     P. O. Bo	13					185
18       Skripnek Coal Co., IM       Daniel Skripnek       222 Clay Street       Tanaqua       16         26       Skorbark Coal Co., Inc. B bk DM       R. D. Classifiuro       P. O. Box 355       Mahanoy City 11         1       Shenka, Mchaal S       Michael Slenaka       225 Gorhan Arenet       Marking Carley       16         28       Sho-Burn Coal Co., Leroy IM       Joseph Shade       R. D. 1       Hegins       17         19       Sprokach Coal Co., Leroy IM       Leroy Snyder       R. D. 1       Micresville       17         13       Sotrokach Coal Co., Leroy IM       Edward Sorokach       P. O. Box 11       Minersville       17         21-72-1       Spancake & Herring Coal Co. IM       Milton Spancake       R. D. 2       Pine Grove 17         24-72-1       Shil Vsin Coal Co., Inc.       Hb Mc S       Alfred Peca       N. John Stahl       Valley View 17         26-8       BF IM Mc S       Alfred Peca       John Stahl       Joe Statewood Coal Co., Inc. He bk       Chaires R. William       109 Las Street       Mahanoy City 17         26       Stanbekeer Coal Co., BP       Joel Storheekeer       R. D. 1       Elizabetrille       109 Las Street       Mahanoy City 17         21       Starwood Coal Co., BP       Joel Storheekeer       R. D. 1						179
26       Skytop Coal Co., Inc. B bk DM       F. MiCassimirro       P. O. Box 352       Mahanoy City 17         28       Sind-Burn Coal Co. IM       Robert Greeco       295 Corkan Avenue Mayfield 12       South Coal Co. IM       Joseph Shade       R. D. 1       Lergins 17         19       Snyder Coal Co., Leryo IM       Lergy Snyder       R. D. 1       Lytens 17         18       South Tanaqua Coal Pockets BP       Donald Warne       R. D. 3       Tanaqua 16         20       Spancake & Herring Coal Co. IM       Hilton Spancake       R. D. 3       Tanaqua 16         217-24-       Split Vein Coal Co., Inc.       Elswood Swank       R. D. 3       Tanaqua 16         26-28       BP IM bK S       Laxrence Bechtel       R. D. 3       Tanaqua 16         25       Stank & Shade Coal Co., Finc.       BY       By Bay KS       Vailey View 17         26       Stank & Shade Coal Co., BP       Laxrence Bechtel       R. D. 3       Tanaqua 16         25       Stank & Shade Coal Co., BP       Rajeme Hassinger       L. S. Main Street       Halanoy City 17         26       Stank & Shade Coal Co., BP       Rajeme Hassinger       P. O. Box 502       Trevorton 17         21       State Coal Co. IM       John Stahl       John Stahl       Sou 502       Teroworton 17 <td></td> <td></td> <td></td> <td></td> <td></td> <td>179</td>						179
1       Slenska, Michael S       Michael Slenska       225 Gorham Arenue Mayfield       16         28       Slonbar Cocl Co. JM       Joseph Shade       R. D. 1       Hegins       17         12       Smeltz Coal Co. JM       Joseph Shade       R. D. 1       Hegins       17         19       Sprokach Coal Co. JM       Edward Sorokach       P. O. Box 1L       Minerswille       17         13       Spincake & Herring Coal Co. JM       Edward Sorokach       R. D. 2       Pine Grove       17         20.17-2L,       Spincake & Herring Coal Co. JM       Milton Spancake       R. D. 2       Pine Grove       17         26-28       BP DM bt S       John Stahl       Name       Valley View 11       Valley View 11         26.3       Starwood Coal Co. DM       John Stahl       John Stahl       Valley View 11       Valley View 11         26.3       Starwood Coal Co. DM       John Stahl       Joseph Stanke       R. D. 2       Temaoqua       16         216       Starwood Coal Co. DM       John Stahl       Joseph Stanka       109       Lis Xeins Trevet Maalcon       17         22       Storhecker Coal Co. DM       John Stahl       Valley View 11       17       Lis Xeins Trevet Maalcon       16       Netholen       17				222 Clay Street		
28       Slo-Burn Coal Co. IM       Robert Greeco       9 S. Oak Street Mt. Garmel 17         12       Snucker Coal Co. IM       Joseph Shade       R. D. 1       Larey Snyder       R. D. 1       Lareys Snyder       R. D. 1       Lareys Snyder       R. D. 1       Laresville T.         13       Soruth Tanaqua Coal Pockets BP       Donald Warne       R. D. 3       Tanaqua IE         13       Soruth Tanaqua Coal Pockets BP       Donald Warne       R. D. 3       Tanaqua IE         13-17-2L-       Split Vein Coal Co., Inc.       Elswood Swank       Parinos       Parinos         26-28       BP IM bK S       Elswood Swank       Tanaqua       IE         14       Stath Coal Co. IM       John Stahl       Valley View 17       Valley View 17         26       Starbood Coal Co., BP       Lawrence Bechtel       R. D. 3       Tanaqua       IE         21       Storhekker Coal Co. BP       Rajene Hassinger       Ls. Main Street Malanov City 17       Valley View 17         22       Storhekker Coal Co. BP       Ray Bly Steinhart       P. O. Box 502       Trevorton 17         23       Surgeinann Coal Co. BP       Ray Hy Steinhart       P. O. Box 502       Trevorton 17         24       Swarp Coal Co. IM       Heenard Hy Pal       P. O. Box 1 <t< td=""><td></td><td>Skytop Coal Co., Inc. B bk DM</td><td></td><td>P. 0. Box 355</td><td></td><td></td></t<>		Skytop Coal Co., Inc. B bk DM		P. 0. Box 355		
12       Snelts Coal Co. J M       Joseph Shade       R. D. 1       Hegins 11         19       Syrder Coal Co., Leroy TM       Leroy Snyder       R. D. 1       Lykens 11         19       Sorokach Ccal Co. DM       Edward Sorokach       P. O. Box 11       Minersville 17         11       System Cacel Pockets BP       Donald Warme       R. D. 3       Tamaqua 16         21.       Spancake & Herring Coal Co. IM       Milton Spancake       R. D. 3       Tamaqua 16         25-28       DF UM bk S       Lawrence Bechtel       R. D. 3       Tamaqua 16         26-38       DF UM bk S       Lawrence Bechtel       R. D. 3       Tamaqua 16         26-38       Stath Coal Co. IM       John Stahl       Valley View 17       Valley View 17         26       Stath Coal Co. Im       P bk       Lawrence Recker       R. D. 1       Liylabon 17         21       Stonehill Coal Co. BP       Brogen Hassinger       R. D. 1       Liylabon 17         21       Stonehill Coal Co. BP       Rogen Strinhart       P. O. Box 6       Minersville 17         21       State Coal Co. D       P bk       W. P. Parker       P. O. Box 6       Minersville 17         21       State Coal Co. D       M bacon Maris       90 Wire 5t. Shamokin 11						184
19       Snyder Coal Co., Leroy IM       Lero's Snyder       R. D. 1       Iprens 11         19       South Fanaqua Coal Pockets BP       Donald Warne       R. D. 3       Tanaqua Li         18       South Fanaqua Coal Pockets BP       Donald Warne       R. D. 3       Tanaqua Li         3-17-2L- 50-28       BP IM bK S       Elwood Swank       R. D. 3       Tanaqua Li         26-28       BP IM bK S       Elwood Swank       R. D. 3       Tanaqua Li         16       Stahl Coal Co., IM       John Stahl       Valley View Li       Valley View Li         26       State Coal Co., Inc. EP bk       Charles F. Williams       109 F. 1st Street       Haleston Li         21       Stonekill Coal Co., EP       Engene Hassinger       Loyalton Li       Valley View Li         22       Streecol Co., EP       Ralph Steinhart       P. O. Box Soc       Trevorton Li         23       Sunshine Coal Co. EP       Ralph Steinhart       P. O. Box Soc       Trevorton Li         24       Swift Coal Soc. BP S bk       W. P. Parker       P. O. Box C       Minersville T         24       Swift Coal Soc. BM       Hoenard Harner       R. D. 2       Hegins Li         24       Swift Coal Soc. BM       Minersville T       T. 6. M. Coal Co. DM       Minersvi						178
19       Sorokach Coal Co. DM       Edward Sorokach       P. O. Boz L       Minersville 17         21       Spancake & Herring Coal Co. IM       Milton Spancake       R. D. 3       Tamaqua 16         24-26       BP IM bk S       Elwood Swank       R. D. 3       Tamaqua 16         25-26       BP IM bk S       Elwood Swank       R. D. 3       Tamaqua 16         26-26       BP IM bk S       Interfere Goal Co. IM       John Stahl       Valley View 17         26       State Coal Co. IM       John Stahl       Valley View 17         26       State Coal Co. IM       John Stahl       Valley View 17         26       State Coal Co. IP       Bugene Hassinger       Lysteret       Hazeton 17         27       Strobecker Coal Co. BP       Rayrence G. Lebo       Boot Boot State Coal Co. BP       Roy Elyler         28       Susperior Coal Co. BP       Kayrence G. Lebo       Gien Iyon 16         29       Swaap Coal Co. BM       K. P. Parker P. O. Box G       Minersville 17         19       Swaup Coal Co. DM       Honsen Morris       905 W. Pine St. Shamokin 17         19       Trenton Coal Co. DM       Michael Didash       R. D. 2       Bradeson Brothers         19       Tekeson Brothers Coal Co. DM       Michael Didash						179
18       South Tamaqua Coal Pockets BP       Donald Warne       R. D. 3       Tamaqua 16         21       Spancake & Herring Coal Co. HM       Milton Spancake       R. D. 2       Plue Grove 17         2-26       BP UM bk S       Elwood Swank       R. D. 3       Tamaqua 16         16       Stahl Coal Co. M       John Stahl       R. D. 3       Tamaqua 16         16       Stahl Coal Co. M       John Stahl       Valley View 17         20       State Coal Co., Inc. EP bk       Charles R. Williams       109 E. 1st Street       Haaleot 11         21       State Coal Co., BP       Begene Hassinger       Loyalton 11         22       State Coal Co. BP       Ralph Steinhart       F. O. Box 502       Trevorton 11         23       Sunshine Coal Co. BP       Ralph Steinhart       F. O. Box 60       Minerwylle 17         24       Swift Coal So. BP S bk       W. P. Parker       F. O. Box 6       Minerwylle 17         24       Swift Coal So. Co. DM       Echarat Harner       R. D. 2       Hegins 17         24       Swift Coal So. Co. DM       Michael Dudash       R. D. 3       Mannov City 17         25       Tretor Coal Co. DM       Michael Dudash       R. D. 2, Box 20       Pottsville 17         26       Trenot Coa						170
21       Spancake & Herring Coal Co., IM       Milton Spancake       R. D. 2       Pine Grove 17         26-26       Split Vein Coal Co., Inc.       Elwood Swank       R. D. 3       Tamaqua 16         26-28       Spring Creek Coal Co. BP       Lawrence Bechtel       R. D. 3       Tamaqua 16         26-28       Stahl Coal Co., Inc.       BP M bk S       Join Stahl       Join Stahl       Valley View 11         26       State Coal Co., Inc.       BP bk       Join Stahl       Join Stahl       Join Stahl       Valley View 11         20       State Coal Co., Inc.       BP bk       Charles R. Williams       ID 9. Lst Street       Halaeton 16         21       Stonheill Coal Co. BP       Regen Hassinger       Joel Strohecker       R. D. 1       Elizabethville 17         22       Sugenhama Coal Co. BP       Roy Elyler       Tevoron 17       Glea Iyon 16         23       Sugenhama Coal Co. BP       Roy Elyler       Tevoron 17       Glea Iyon 16         24       Swift Coal Sco. BP       Roy Elyler       Tevoron 17       Glea Iyon 16         24       Swift Coal Sco. BP       Harwene G. Lebo       Soct Street       Milneroville 17         25       Teksco Brothers Coal Co. DM       Honswirt       IOO Center St. Shamokin 17 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>179</td></td<>						179
3-17-21-Split Vein Coal Co., Inc.Elwood SwankPaxinos1116Stahl Coal Co. IMJohn StahlJohn StahlValley View II16Stahl Coal Co. IMJohn StahlValley View II26Starwood Coal Corporation BAlfred Pecall S. Main StreetHahanoy City II27Starwood Coal Corporation BAlfred Pecall S. Main StreetHahanoy City II28Stonehill Coal Co., Imc. Br bkCharles R. WilliamsP. 0. Box 502Trevorton II29Stonehill Coal Co. BPRalph SteinhartP. 0. Box 502Trevorton II20Swamp Coal Co. BPRalph SteinhartP. 0. Box GOThereorton II21Stonehill Coal Co. BPRalph SteinhartP. 0. Box GOThereorton II21Swatra Coal Co. BPKaward Olbrish753 Scott StreetKulpmon II21Swatra Coal Co. IMHahanoy City IVP. 0. Box GOHegins II21Swift Coal Sales DPAdam SwiftIIOO Center St. Shamokin IIPardeesville II21Tokarchek Coal Co. IMMcchael Tokarchek211 Laurence ToopR. D. 2, Box 200Potsville II26Trenton Coal Co. IMMcchael TokarchekR. D. 2, Box 200Potsville IIPotsville II26Twin Oaks Coal Co. IMStaaravageR. D. 2, Box 201Potsville II27Valley Coal Co. IMStaaravageR. D. 2, Box 201Potsville II28W. & S. Goal Co. IMStaaravageN. J. StallarJohn WalatisHox 2029 <td></td> <td></td> <td></td> <td></td> <td></td> <td>182</td>						182
26-26       BP DM bk S         18       Spring Creek Coal Co. DM       John Stahl       Tamaqua       16         16       Stahl Coal Co. DM       John Stahl       Valley View 11         16       Stahl & Shade Coal Co. DM       John Stahl       Valley View 11         16       Stahl & Shade Coal Co. DM       John Stahl       Valley View 11         17       State Coal Co., Inc. BP bk       Charles R. Williams       109 F. let Street       Halentor View 11         18       Superior Coal Co. BP       Raph Steinhart       F. D. 1       Elizabethville       100 T. Fororon 17         19       Superior Coal Co. BP       Roy Blyler       F. D. 2       Treororon 17       Tiles Neguhama Coal Co. DM       Edward Olbrish       753 Soct Street       Kulpmont 17         10       Swage Coal Co. DM       Edward Olbrish       753 Soct Street       Kulpmont 17         11       Swage Coal Co. DM       Edward Olbrish       753 Soct Street       Kulpmont 17         12       Swaff Coal Co. DM       Edward Olbrish       750 Soct Street       Kulpmont 17         12       Swaff Coal Co. DM       Mchael Dudash       R. D. 2       Mahamor Coll Co. DM         13       Track Coal Co. DM       Mchael Dudash       R. D. 2       Mahamor Coal Co. DM				R. D. 2		179
16       Stahl Coal Co. IM       John Stahl       Valley View 17         16       Starwood Coal Corporation B       Ahred Peca       Lis S. Main Street Mahanoy City 17         20       State Coal Co., Inc. EP bk       Charles R. Williams       109 E. lst Street       Hagleton 16         21       Strobecker Coal Co. BP       Joen Stahl       109 E. lst Street       Hagleton 16         22       Strobecker Coal Co. BP       Ralph Steinhart       P. O. Box 502       Trevorton 17         16       Superior Coal Co. BP       Ray Steinhart       P. O. Box 502       Trevorton 17         23       Swamp Coal Co. BP       Roy Elyler       N. P. Parken       P. O. Box 6       Minmont 17         24       Swift Coal Sco. DM       Leonard Harner       R. D. 2       Hegins 17         24       Swift Coal Co. DM       Leonard Harner       R. D. 2       Pardeesville 17         25       Tedesco Brothers Coal Co. DM       Mchaal Dudash       R. D. 3       Potsville 17         26       Trenton Coal Co. IM       Mchaal Dudash       R. D. 3       Potsville 17         26       Trenton Coal Co. IM       Mchaal Dudash       R. D. 2, Box 200       Potsville 17         27       Valley Coal Co. IM       Mchaal Dudash       R. D. 2, Box 207       Potsville	26-28	BP DM bk S			*	178
16       Stahlé Shade Coal Co. DM       John Stahl       Valley View 11         26       Starwood Coal Corporation B       Alfred Peca       109 E. 1st Street Malancy City 11         20       Storchill Coal Co. DP       Bugene Hassinger       109 E. 1st Street Malaleton       11         21       Storchill Coal Co. BP       Bugene Hassinger       109 E. 1st Street Malaleton       11         22       Storchill Coal Co. BP       Roy Elyler       Coal Co. DY       Valley View 11         23       Susshine Coal Co. BP       Roy Elyler       0. Box 502       Trevoroton       17         24       Swaft Coal Scie BP       Kaharde Statt       P. O. Box 502       Trevoroton       16         24       Swaft Coal Co. DM       Edward Olbrish       753 Scott Street Milpmont       17         24       Swaft Coal Co. DM       Thomas Morris       905 W. Pine St. Shamokin       17         25       Tedesco Brothers Coal Co. DM       Michael Tokarchek       R. D. 2       Potsville       17         26       Trenton Coal Co. DM       Michael Dudash       R. D. 2, Box 200       Potsville       17         26       Trenton Coal Co. DM       Michael Dudash       R. D. 2, Box 779       Potsville       17         27       Valley Coal Co. DM				R. D. 3		182
26       Starwood Coal Corporation B       Alred Peca       Ll S. Main Street Mahanoy City 17         20       State Coal Co., Inc. EP bk       Charles R. Williams       109 E. lst Street Hazleton 16         21       Strohecker Coal Co. BP       Joel Strohecker       R. D. 1       Elizabethville         21       Strohecker Coal Co. BP       Ralph Steinhart       F. O. Box 502       Trevorton 17         26       Sugenehanna Coal Co. BP       Roy Blyler       Valley View 17         20       Swamp Coal Co. DM       Edward Olbrish       753 Scott Street       Kupmont 17         21       Swatara Coal Co. DM       Edward Olbrish       753 Scott Street       Minerrylle 17         21       Swatara Coal Co. DM       Edward Olbrish       750 Scott Street       Minerrylle 17         21       Swatara Coal Co. DM       Thomas Morris       905 W. Pine St. Shamokin 17       71         21       Tokarchek Coal Co. DM       Michael Dudash       R. D. 3       Pottsville 17         23       Trenton Coal Co. DM       S. Lazarawage       R. D. 2, Box 200       Pottsville 17         24       Trenton Coal Co. DM       S. Lazarawage       R. D. 2, Box 779       Pottsville 17         25       Twin Oaks Coal Co. DM       Stanley Lech       R. D. 2, Box 779       Pottsv						179
20       State Coal Co., Thc. FP bk       Charles R. Williams       109 E. 1st Street       Hagleton       11         12       Stonchill Coal Co. EP       Joel Strohecker       R. D. 1       Elizabethvilled         12       Strohecker Coal Co. EP       Roy Elyler       Valley View 17         13       Susguehanna Coal Co. EP       Roy Elyler       Valley View 17         14       Susguehanna Coal Co. EP       Roy Elyler       Calen Lyon         15       Swatara Coal Co. EP S bk       W. P. Parker       P. O. Box G       Minersville 17         14       Joel Strohecker       R. D. 2       Hegins       11         16       Swatara Coal Co. DM       Leonard Harner       R. D. 2       Hegins       11         17       T. & M. Coal Co. DM       Thomas Morris       905 W. Pine St. Shamokin       17         17       T. & M. Coal Co. DM       Michael Tokarchek       21. Laurel Street       Minersville 17         16       Tracy Coal Co. DM       Michael Tokarchek       R. D. 2, Box 200       Pottsville 17         16       Tracy Coal Co. DM       Kichael Tokarchek       R. D. 2, Box 200       Pottsville 17         17       T. & M. Coal Co. DM       Kichael Tokarchek       R. D. 2, Box 200       Pottsville 17         <						179
12       Stonehill Coal Co. BP       Bugene Hassinger       Loyalton 17         12       Strohecker Coal Co. BP       Ralph Steinhart       P. O. Box 502       Trevorton 17         16       Sugeniana Coal Co. BP       Ralph Steinhart       P. O. Box 502       Trevorton 17         16       Suguehana Coal Co. BP       Roy Elyler       Valley View 17       Valley View 17         16       Swamp Coal Co. DM       Edward Olbrish       753 Scott Street       Kulpmont       17         17       T. K. M. Coal Co. DM       Leonard Harner       R. D. 2       Hegins       17         16       Sweet Water Coal Co. DM       Leonard Harner       R. D. 2       Shamokin       17         17       T. K. M. Coal Co. DM       Michael Tokachek       Co. Box 4       Pardeesville       17         16       Sweet Water Coal Co. DM       Michael Tokachek       Co. Box 4       Pardeesville       17         17       T. & M. Coal Co. DM       Kichael Tokachek       Co. Box 4       Pardeesville       17         16       Trenton Coal Co. DM       S. Lazaravage       R. D. 2, Box 200       Pottsville       17         17       T. K. S. Coal Co. DM       Leonard Machesic       R. D. 2, Box 207       Pottsville       17 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
12       Strohecker Coal Co. BP       Joel Strohecker       R. D. 1       Elzsbethville         28       Sunshine Coal Co. BP       Raph Steinhart       P. O. Box 502       Trevorton 17         11       Suguehanna Coal Co. BP       Roy Elyler       Valley View 17         12       Susatohanna Coal Co. BP       Edward Olbrish       753 Scott Street       Minersville 17         14       Swatara Coal Co. BY       Edward Olbrish       753 Scott Street       Minersville 17         14       Swatara Coal Co. DM       Edward Olbrish       753 Scott Street       Minersville 17         15       Tedesco Brothers Coal Co. DM       Thomas Morris       905 W. Pine St. Shamokin 17       11         15       Tedesco Brothers Coal Co. DM       Michael Tokarchek       P. O. Box 4       Pardeesville 17         16       Tracy Coal Co. DM       Michael Tokarchek       P. D. 2, Box 200       Pottsville 17         17       Trekos Brothers Coal, & J. S       Lawrence Tropp       R. D. 2, Box 200       Pottsville 17         18       Tracy Coal Co. DM       Leonard Machesic       R. D. 2, Box 200       Pottsville 17         19       Walley Coal Co. BP       M       Heamy       R. D. 2, Box 200       Pottsville 17         19       Walley Coal Co. BP       M				109 E. 1st Street		182
26       Sunshine Coal Co. EP       Ralph Steinhart       P. O. Box 502       Trevorton 17         16       Superior Coal Co. EP       Roy Blyler       Valley View 17         20       Swamp Coal Co. EP       Lawrence G. Lebo       Glen Lyon 16         20       Swatara Coal Co. EP S bk       W. P. Parker       P. O. Box 502       Minersville 17         21       Swatara Coal Co. EP S bk       W. P. Parker       P. O. Box 6       Minersville 17         21       Swatara Coal Co. DM       Leonard Harner       P. O. Box 6       Minersville 17         21       Swatr Coal Co. DM       Thomas Morris       905 W. Pine St. Shamokin 17         21       Tokarchek Coal Co. IM       Michael Tokarchek       211 Laurel Street       Minersville 17         23       Trenton Coal Co. IM       Michael Tokarchek       211 Laurel Street       Minersville 17         24       Trenton Coal Co. IM       S. Lazaravage       Mahany City 17       Patisville 17         25       Tvin Oaks Coal Co. IM       S. Lazaravage       R. D. 2, Box 200       Pottsville 17         26       Tveno Cal Co. IM       Gleen Underkoffler       Elizabeth Street       Walley Kow       Wahany City 17         21       Villag Coal Co. IM       Gleen Underkoffler       R. D. 2, Box 200       <						170
16       Superior Coal Co. EP       Roy Blyler       Valley View 11         11       Susquehanna Coal Co. EP       Lawrence G. Lebo       Glen Iyon 16         20       Swamp Coal Co. IM       Edward Olbrish       753 Scott Street       Kulpmont 17         14-19-21       Swater Coal Co. DM       Edward Olbrish       753 Scott Street       Kulpmont 17         16       Sweet Water Coal Co. DM       Leonard Harner       R. D. 2       Hegins 17         24       Swift Coal Sales EP       Adam Swift       100 Center St. Shamokin 17         17       T. & M. Coal Co. DM       Michael Tokarchek       P. O. Box 4       Pardeesville 18         21       Tokarchek Coal Co. IM       Michael Dudash       R. D. 2       Box 4       Minersville 17         26       Trenton Coal Co. IM       Michael Dudash       R. D. 2, Box 200       Pottsville 17         26       Trenton Coal Co. IM       Leonard Machesic       R. D. 1, Box 217       Paxinos 17         27       Underkoffler Coal Co. IM       George Fronk       R. D. 2, Box 200       Pottsville 17         28       Wadell Coal Mining Co., Inc. W bk       Peter Brojak       R. D. 2, Box 779       Pottsville 17         28       Westrood Coal Co. IM       George Fronk       Slow Madell Coal Mining Co., Inc. W bk <td></td> <td>Strohecker Coal Co. BP</td> <td>Joel Strohecker</td> <td></td> <td>Elizabethvil</td> <td></td>		Strohecker Coal Co. BP	Joel Strohecker		Elizabethvil	
11Susquehanna Coal Co. EPLawrence G. LeboGlan İyon1220Swamp Coal Co. DMEdward Olbrish753 Soctt StreetKulpmont1714Swatara Coal Co. DMLeonard HarnerF. O. Box GMinersville1715Swett Water Coal Co. DMLeonard HarnerF. O. Box GMinersville1717T. & M. Coal Co. DMLeonard HarnerF. D. 2Hegins1717T. & M. Coal Co. DMThomas Morris905 W. Pine St. Shamokin1715Tedesco Brothers Coal Co. DMMichael Tokarchek Coal Co. IMMichael Tokarchek Coal Co. IMS. LazaravageR. D. 318Tracy Coal Co. DMS. LazaravageR. D. 2, Box 200Pottsville1714Tropp Stripping Co., L. & J. SLawrence TroppR. D. 2, Box 200Pottsville1715Valley Coal Co. DMGene UnderkofflerElizabatists StreetWillianstown 1716Valley Coal Co. DMGeorge FronkR. D. 2Tamaqua1817Valley Coal Co. DMVictor ViolaR. D. 2, Box 779Pottsville1718Wadell Coal Mining Co., Inc. W bkPeter BrojakJos Swyland St. Frackville1719Westwod Coal Co. DMJohn WalaitisJo3 Scott StreetKulpmont1710Waddell Coal Mining Co., Inc. JMPater BrojakJos Swyland St. Frackville1711Weitre Coal Co. DMJoseph TarconishKu, Independ. Shamokin1712Weitre Coal Co. DMJosep		Sunshine Coal Co. BP	Ralph Steinhart	P. O. Box 502	Trevorton	178
20Swame Coal Co. DMEdward Olbrish753 Soctt StreetKulpmont171-19-21Swatara Coal Co. DMLeonard HarnerR. D. 2Hegins1715Sweet Water Coal Co. DMLeonard HarnerR. D. 2Hegins1724Swift Coal Sales BPAdam Swift1100 Center St.Shamokin1717T. & M. Coal Co. DMThomas Morris905 W. Pine St.Shamokin1715Tedesco Brothers Coal Co. IMMichael Tokarchek21Coal Co. IMMichael DudashR. D. 3Pottsville21Tokarchek Coal Co. IMMichael DudashR. D. 3Pottsville1723Trenton Coal Co. IMMichael Tokarchek21Laurel StreetMinersville1724Tronp Stripping Co., L. & J. SLawrence TroppR. D. 2, Box 20Pottsville1725Twin Oaks Coal Co. DMLeonard MachesicR. D. 1, Box 217Paxinos1726Twin Oaks Coal Co. DMGien UnderkofflerR. D. 2Tamaqua1627Valley Coal Co. DMStanley LeohR. D. 2Tamaqua1628Wealey Coal Co. DMVictor ViolaR. D. 2, Box 779Pottsville1729Viola Coal Mining Co., Inc. W KPeter BrojakNo S. Wyland St.Frackville1720Weater Coal Co. DMJohn Walaitis0.5 Wyland St.Frackville1721Weite Sire Coal Co. DMCharles BrecoNabakin17Sacramento17 <td< td=""><td>16</td><td>Superior Coal Co. BP</td><td>Roy Blyler</td><td></td><td>Valley View</td><td>179</td></td<>	16	Superior Coal Co. BP	Roy Blyler		Valley View	179
L-19-21Swatara Coal Co. EF S bkW. P. ParkerF. O. Box GMinersville 1716Sweet Water Coal Co. DMLeonard HarnerR. D. 2Hegins1724Swift Coal SalesEPAdam Swift1100 Center St. Shamokin 1717T. & M. Coal Co. DMThomas Morris905 W. Fine St. Shamokin 1717T. & M. Coal Co. DMThomas Morris905 W. Fine St. Shamokin 171100 Center St. Shamokin 1717T. & M. Coal Co. DMMichael Tokarchek211 Laurel StreetMinersville 1721Tracy Coal Co. DMMichael Tokarchek211 Laurel StreetMinersville 1726Trenton Coal Co. DMS. LazaravageMahang City 1728Twin Oaks Coal Co. DMEleonard MachesicR. D. 2, Box 200Pottsville 1721Underkoffler Coal Co. BPStanley Leonard MachesicR. D. 2, Box 201Paxinos1721Underkoffler Coal Co. DMGeorge FronkR. D. 2, Box 779Pottsville 1721Valley Construction Co. DMGeorge FronkR. D. 2, Box 779Pottsville 1721Viola Coal Co. DMVictor ViolaR. D. 2, Box 779Pottsville 1721Viola Coal Co. DMVictor ViolaR. D. 2, Box 779Pottsville 1722Walaitis Coal Co. DMJohn Walaitisbos. Wyland St. Frackville 1723West Cameron Coal Co. DMJohn Walaitisbos. Wyland St. Frackville 1724West Cameron Coal Co. DMCharles MartinR. D. 1, Box 89Pottsville 1725Westoad Coal Co.	11	Susquehanna Coal Co. BP	Lawrence G. Lebo		Glen Lyon	186
16       Sweet Water Coal Co. DM       Leonard Harner       R. D. 2       Hegins 17         21       Swift Coal Sales BP       Adam Swift       1100 Center St. Shamokin 17         17       T. & M. Coal Co. DM       Thomas Morris       905 W. Pine St. Shamokin 17         15       Tedesco Brothers Coal Co. DM       Michael Tokarchek Coal Co. DM       Shamokin 17         16       Tracy Coal Co. DM       Michael Tokarchek Coal Co. DM       Minervaille 17         18       Tracy Coal Co. DM       S. Lazaravage       Mahanoy City 17         14       Tropp Stripping Co., L. & J. S       Lawrence Tropp       R. D. 2, Box 200       Pottsville 17         19       Underkoffler Coal Co. DM       Glen Underkoffler       Elizabatson 17       Patines Nr1       Patines Nr1         11       Underkoffler Coal Co. DM       George Fronk       R. D. 2, Box 200       Pottsville 17         12       Valley Coal Co. BM       Victor Viola       R. D. 2, Box 779       Pottsville 17         13       Underkoffler       1302 Scott Street       Kulpmont 17         14       Yolage Coal Co. DM       Yolage Fronk       No 200       Valley Coal Co.         14       Walley Coal Co., IM       W. J. Wesner       R. D. 2       Stanokin 17         17       Walley Co	20	Swamp Coal Co. DM	Edward Olbrish	753 Scott Street	Kulpmont	178
21Swift Coal Sales EPAdam Swift1100 Center St.Shamokin1717T. & M. Coal Co. DMThomas Morris905 W. Pine St.Shamokin1715Tedesco Brothers Coal Co. B bkFrank M. TedescoP. O. Box 4Pardeesville 1821Tokarchek Coal Co. IMMichael DudashR. D. 3Pottsville 1718Tracy Coal Co. DMMichael DudashR. D. 3Pottsville 1726Trenton Coal Co. IMS. LazaravageMahanoy City 171UnderKoffler Coal Co. DMLeonard MachesicR. D. 1, Box 207Pottsville 1728Twin Oaks Coal Co. DMLeonard MachesicR. D. 1, Box 217Pardeesville 1729UnderKoffler Coal Co. BPStanley LechR. D. 2Box 200Pottsville 1721Valley Construction Co. IMGeorge FronkR. D. 2, Box 779Pottsville 1721Viola Coal Co. DMVictor ViolaR. D. 2, Box 779Pottsville 1722Waddell Coal Mining Co., Inc. W kPeter BrojakArchbald 1623Wehry Coal Co., PPW. J. Stellar1302 Scott StreetKulpmont 1724Westwood Coal Co. DMJohn Walaitis105 W. Nadest.Frackville 1725Westwood Coal Co. DMCharles MartinR. D. 2Shamokin 1726Weit Cameron Coal Co. TMNebert ErbR. D. 1, Box 89Pottsville 1726Weit Cameron Coal Co. IMCharles MartinR. D. 2Shamokin 1726Weit Cameron Coal Co. IMCharles Martin<	4-19-21	Swatara Coal Co. BP S bk	W. P. Parker	P. O. Box G	Minersville	179
17T. & M. Coal Co. DMThomas Morris905 W. Pine St.Shamokin1115Tedesco Brothers Coal Co. DMFrank M. TedescoP. O. Box LPardeesville 1216Tracy Coal Co. DMMichael Tokarchek21L Laurel Street Minersville 1718Tracy Coal Co. DMMichael Tokarchek21L Laurel Street Minersville 1716Trenton Coal Co. DMS. LazaravageMahangy City 1717Underkoffler Coal Co. DMS. LazaravageMahangy City 1710Underkoffler Coal Co. BMGlen UnderkofflerElizabeth Street Willianstown 1713United Gas Improvement Co., The bkR. H. Demuy21/ Wyoming Avenue Kingston 1615Valley Construction Co. DMGeorge FronkR. D. 2, Box 779Pottsville 1714Vicla Coal Co. DMVictor ViolaR. D. 2, Box 779Pottsville 1715Walel Coal Co. DMVictor ViolaR. D. 2, Box 779Pottsville 1716Waddell Coal Mining Co., Inc. W bkPeter BrojakNo S. Wyland St. Frackville 1717Wadell Coal Co., DMJohn WalaitisNo S. Wyland St. Frackville 1718West Cameron Coal Co. DMCharles MartinR. D. 1, Box 89Pottsville 1719Westwod Coal Co., Im. DMCharles MartinR. D. 1, Box 89Pottsville 1719Westwod Coal Co., Im. DMCharles MartinR. D. 1, Box 89Pottsville 17116White Birch Coal Co., Im. DMKaltereco105 koctt StreetKupmont 1712Winter Coal Co., Im. DMKarles Gr	16	Sweet Water Coal Co. DM	Leonard Harner	R. D. 2	Hegins	179
15       Tedesco Brothers Coal Co. B bk       Frank M. Tedesco       P. O. Box L       Pardeesville 17         21       Tokarchek Coal Co. IM       Michael Tokarchek       21 Laurel Street       Minersville 17         26       Trenton Coal Co. IM       Michael Dudash       R. D. 3       Pottsville 17         26       Trenton Coal Co. IM       S. Lazaravage       Mahanoy City 17         27       Tropp Stripping Co., L. & J. S       Lawrence Tropp       R. D. 2, Box 20       Pottsville 17         28       Twin Oaks Coal Co. IM       Leonard Machesic       R. D. 1, Box 217       Pactanos       17         29       United Gas Improvement Co., The bk R. H. Denmy       217 Wyoning Avenue Kingston       18         21       Valley Coal Co. BP       Stanley Lech       R. D. 2       Tamaqua       18         21       Valley Coal Co. IM       W. J. Stellar       302 Scott Street       Kulpmont       17         23       Wadell Coal Mining Co., Inc. W bk       Peter Erojak       302 Scott Street       Kulpmont       17         24       Waley Coal Co. EP       W. J. Wesner       R. D. 2       Tamaqua       18         24       Waley Coal Co., IM       Poul Wehry       1615 W. Independ.       Shamokin       17         25       <	24	Swift Coal Sales BP	Adam Swift	1100 Center St.	Shamokin	178
21       Tokarchek Coal Co. IM       Michael Tokarchek       21 Laurel Street       Minersville 17         18       Tracy Coal Co. IM       Michael Dudash       R. D. 3       Pottsville 17         26       Trenton Coal Co. IM       S. Lazaravage       Mahango City 17         26       Trenton Coal Co. IM       S. Lazaravage       Mahango City 17         26       Trenton Coal Co. IM       Lawrence Tropp       R. D. 2, Box 200       Pottsville 17         21       Underkoffler Coal Co. EM       Leonard Machesic       R. D. 1, Box 217       Pazinos       17         21       United Gas Improvement Co.,The bk R. H. Demmy       217 Wording Avenue       Kingston       18         21       Valley Coal Co. DM       George Fronk       R. D. 2       Tamaqua       18         22       Valley Coal Co. DM       Wictor Viola       R. D. 2, Box 779       Pottsville 17         23       Waddell Coal Mining Co.,Inc. W k       Peter Brojak       Archbald       18       S. Sandkin 17         24       Walaitis Coal Co. DM       Yoldward       John Walaitis       40 S. Wyland St. Frackville 17       19         25       West Cameron Coal Co. IM       Coal M       Yoldward       Sandkin 17         26       West Cameron Coal Co. IM       Joseph	17	T. & M. Coal Co. DM	Thomas Morris	905 W. Pine St.	Shamokin	178
18       Tracy Coal Co. DM       Michael Dudash       R. D. 3       Pottsville 17         26       Trenton Coal Co. DM       S. Lazaravage       Mahanov City 17         27       Tropp Stripping Co., L. & J. S       Lawrence Tropp       R. D. 2, Box 200       Pottsville 17         28       Twin Oaks Coal Co. DM       Lownard Machesic       R. D. 1, Box 217       Paxinos       17         29       Twin Oaks Coal Co. DM       Glen Underkoffler       Elizabeth Street Williamstown 17         21       Underkoffler Coal Co. EP       Stanley Lech       R. D. 2       Tamaqua       18         21       Valley Coal Co. EM       George Fronk       R. D. 2, Box 779       Pottsville 17         21       Viola Coal Co. DM       Yeltor Viola       R. D. 2, Box 779       Pottsville 17         21       Viola Coal Co. DM       Yeltor Viola       R. D. 2, Box 779       Pottsville 17         21       Walley Coal Co., Jmc. W k       Peter Brojak       Joo S. Wyland St. Frackville 17       Archbald 18         21       Wallei Coal Co., DM       John Walleitis       Jo S. Wyland St. Frackville 17       Bashngton Street       Kulpmont 17         22       Westrood Coal Co. DM       Charles Marchin       R. D. 1, Box 89       Pottsville 17         23       Whitpeo	15	Tedesco Brothers Coal Co. B bk	Frank M. Tedesco	P. O. Box 4	Pardeesville	182
26       Trenton Coal Co. IM       S. Lazaravage       Mahanoy City I/         4       Tropp Stripping Co., L. & J. S       Lawrence Tropp       R. D. 2, Box 200       Pottsville       17         28       Twin Oaks Coal Co. IM       Leonard Machesic       R. D. 1, Box 217       Paxinos       17         12       Underkoffler Coal Co. BP MM       Glen Underkoffler       R. D. 1, Box 217       Paxinos       17         13       United Gas Improvement Co., The bk       R. H. Demmy       217 Wyoming Avenue       Kingston 16         15       Valley Coal Co. BP       Stanley Lech       R. D. 2, Box 779       Pottsville       17         14       Waddell Coal Mining Co., Jnc. W k       Peter Brojak       R. D. 2, Box 779       Pottsville       17         21       Waddell Coal Mining Co., Jnc. W k       Peter Brojak       John Walaitis       100 S. Wyland St.       Frackville       17         28       Wehry Coal Co., PM       W. J. Stellar       Joseph Tarconish       Nashington Street       Middleport       17         29       Westwood Coal Co. IM       Charles Greeco       IS4       Nutle's vert Coal Co., Inc. IM       Neil Delance       118       W. Joks Street       Shanokin       17         20       White Birch Coal Co., Inc. IM       Charles Gre		Tokarchek Coal Co. IM	Michael Tokarchek	214 Laurel Street	Minersville	179
1       Tropp Stripping Co., L. & J. S       Lawrence Tropp       R. D. 2, Box 200       Pottsville 11         28       Twin Oaks Coal Co. DM       Leonard Machesic       D. 1, Box 217       Paxinos       11         12       Underkoffler Coal Co. BP       Glen Underkoffler       Elizabeth Street Williamstown 17         13       United Gas Improvement Co., The bk       R. H. Demmy       217       Wyoming Avenue Kingston       16         15       Valley Construction Co. DM       George Fronk       R. D. 2, Box 779       Pottsville       17         12       Vicia Coal Co. DM       Wictor Viola       R. D. 2, Box 779       Pottsville       17         14       Waddell Coal Mining Co., Inc. W bk       Peter Brojak       h0 S. Wyland St.       Frackville       17         15       Wast Cameron Coal Co. DM       Yolwebry       1615 W. Independ.       Shamokin       17         16       West Cameron Coal Co. DM       Robert Erb       R. D. 1, Box 89       Pottsville       17         17       White Birch Coal Co., Inc. DM       Neil DeLance       105 W. Scott Street       Kulpmont       17         18       Winter Scoll Co., Far. DM       Marthes Scoll Co., Barmokin       17       17       White Birch Coal Co., Inc. DM       Archabada       17		Tracy Coal Co. DM	Michael Dudash	R. D. 3	Pottsville	179
h       Tropp Stripping Co., L. & J. S       Lawrence Tropp       R. D. 2, Box 200       Pottsville 17         28       Twin Oaks Coal Co. DM       Leonard Machesic       R. D. 1, Box 217       Paxinos       17         12       Underkoffler Coal Co. BP       Glen Underkoffler       Elizabeth Street       Willianstown 17         13       United Gas Improvement Co., The bk R. H. Demuy       217       Wyoming Avenue Kingston       16         14       Valley Coal Co. BP       Stanley Leoh       R. D. 2       Box 217       Paxinos       17         15       Valley Coal Co. DM       Stanley Leoh       R. D. 2       Box 217       Paxinos       18         12       Valley Coal Co. DM       Victor Viola       R. D. 2, Box 779       Pottsville       17         10       Waddell Coal Mining Co., Inc. W bk       Peter Brojak       Archbald       18       10 S. Wyland St. Frackville       17         12       West Cameron Coal Co. DM       John Walaitis       10 S. Wyland St. Frackville       17         13       West Cameron Coal Co. DM       Charles Martin       R. D. 1, Box 89       Pottsville       17         14       West Cameron Coal Co. Inc. DM       Charles Greco       1054 scott Street       Mulponortil       17         15	26	Trenton Coal Co. DM	S. Lazaravage		Mahanoy City	179
28       Twin Oaks Coal Co. DM       Leonard Machesic       R. D. 1, Box 2h7       Parinos       17         12       Underkoffler Coal Co. BF DM       Glen Underkoffler       Elizabeth Street Williamstown 17         13       United Gas Improvement Co., The bk       R. H. Demmy       2h7 Wyoming Avenue       Kingston       18         15       Valley Coal Co. BP       Stanley Lech       R. D. 2       Tamaqua       18         12       Valley Construction Co. DM       George Fronk       Data       Valley View 17         21       Viola Coal Co. DM       Victor Viola       R. D. 2, Box 779       Pottsville       17         21       Waldell Coal Mining Co., Inc. W bk       Peter Brojak       Jos Xyland St. Frackville       17         22       Waldell Coal Co. DM       John Walleitis       Jo S. Wyland St. Frackville       17         23       West Cameron Coal Co. DM       Joseph Tarconish       R. D. 1, Box 89       Pottsville       17         24       White Birch Coal Co., Inc. DM       Charles Greco       105 koctt Street       Kulpmont       17         25       Westwood Coal Co., Inc. DM       Charles Greco       105 koctt Street       Kulpmont       17         26       White Birch Coal Co., Inc. DM       Charles Greco       105 koctt S			Lawrence Tropp	R. D. 2, Box 200		179
12       Underkoffler Coal Co. BP DM Glen Underkoffler U	28	Twin Oaks Coal Co. DM	Leonard Machesic	R. D. 1, Box 247	Paxinos	178
13       United Gas Improvement Co., The bk R. H. Demmy       217 Wyoning Avenue Kingston       16         15       Walley Coal Co. EP       Stanley Lech       R. D. 2       Tamaqua       16         12       Valley Construction Co. DM       George Fronk       R. D. 2       Walley View 17         21       Vicla Coal Co. DM       Wictor Viola       R. D. 2, Box 779       Pottsville       17         21       Vicla Coal Co. DM       W. J. Stellar       1302 Soott Street       Kulpmont       17         22       Waddell Coal Mining Co., Inc. W bk Peter Brojak       John Walaitis       Jo S. Wyland St. Frackville       17         23       Wesher Coal Co., BM       John Walaitis       Jo S. Wyland St. Frackville       17         24       West Cameron Coal Co. DM       Charles Martin       R. D. 1, Box 89       Pottsville       17         25       West Cameron Coal Co., Inc. DM       Neil Delance       18 W. Cak Street       Shenandch       17         26       White Birch Coal Co., Inc. DM       M. R. Williamson       16       Sacramento       17         26       White Rich Coal Co., Inc. DM       Charles Greco       1051 Scott Street       Kulpmont       17         27       Whitenson Coal Co., Fan DM       Wintenson       Walley View	12	Underkoffler Coal Co. BP DM	Glen Underkoffler		Williamstown	170
15       Valley Coal Co. BP       Stanley Lech       R. D. 2       Tamaqua       16         12       Valley Construction Co. DM       George Fronk       R. D. 2, Box 779       Pottsville       17         21       Viola Coal Co. DM       Victor Viola       R. D. 2, Box 779       Pottsville       17         28       W. & S. Coal Co. DM       W. J. Stellar       Jo2 Scott Street       Kulpmont       17         20       Waddell Coal Mining Co., Jnc. W k       Peter Brojak       Archbald       16         21       Walley Coal Co., Paul       DM       Valley Viola       S. Wyland St.       Frackville       17         21       Walley Coal Co., Paul       DM       Paul Wehry       1615 W. Independ.       Shamokin       17         22       Wesher Coal Co., Paul       DM       Paul Wehry       1615 W. Independ.       Shamokin       17         23       Westcoal Coal Co. DM       Charles Martin       R. D. 2       Tamaqua       16         24       Westcoal Coal Co. DM       Charles Martin       R. D. 1, Box 89       Pottsville       17         25       White Birch Coal Co., Inc. DM       Charles Greeco       105 Kscott Street       Kupmont       17         26       White 'S vein Coal Co., Inc. DM	13		R. H. Demmy		Kingston	187
12       Valley Construction Co. DM       George Fronk       Valley View 17         21       Viola Coal Co. DM       Victor Viola       R. D. 2, Box 779       Pottsville       17         22       Victor Viola       R. D. 2, Box 779       Pottsville       17         28       W. & S. Coal Co. DM       W. J. Stellar       1302 Scott Street Kulpmont       17         10       Waddell Coal Mining Co., Inc. W kk Peter Brojak       Archbald       18         21       Walaitis Coal Co., Paul DM       John Walaitis       40 S. Wyland St. Frackville       17         28       Wehry Coal Co., Paul DM       Paul Wehry       1615 W. Independ. Shamokin       17         28       West Cameron Coal Co. DM       Robert Erb       R. D.       Shamokin       17         29       West Coal Co., Inc. IM       Neil Delance       118 W. Cak Street       Shemokin       17         20       White Birch Coal Co., Inc. DM       Charles Greco       1054 scott Street       Kulpmont       17         21       White Word Coal Co., Inc. DM       A. R. Williamson       Valley View 17       17       Neitonson Coal Co., Inc. DM       A. R. Williamson       Valley View 17         24       White Scol Co., Sean DM       Evan Williams       New Phila.       17	15					182
21       Victor Viola       R. D. 2, Box 779       Pottsville 17         28       W. & S. Coal Co. DM       W. J. Stellar       1302 Soott Street Kulpmont 17         28       W. & S. Coal Co. DM       John Walaitis       1302 Soott Street Kulpmont 17         29       Walaitis Coal Co. DM       John Walaitis       302 Soott Street Kulpmont 17         20       Walaitis Coal Co. DM       John Walaitis       302 Soott Street Kulpmont 17         28       Weshry Coal Co., PM       John Walaitis       30. Swyland St. Frackville 17         28       West Coal Co., EP       W. J. Wesner       R. D. 2       Tamaqua         29       West Coal Coal Co. DM       Charles Martin       R. D. 1, Box 89       Pottsville 17         20       Westwood Coal Co. DM       Joseph Tarconish       Washington Street       Midleport 17         26       White Birch Coal Co. DM       Clayton Shade       Sacramento 17         27       White Birch Coal Co., Inc. DM       Charles Greeco       1054 Scott Street Kulpmont 17         28       Williams Coal Co., Inc. DM       A. R. Williamson       1054 Scott Street Kulpmont 17         29       Windsor Coal Co., Inc. DM       A. R. Williamson       1054 Scott Street Kulpmont 17         29       Windsor Coal Co., NM       W. Shappell       93						179
28       W. & S. Coal Co. IM       W. J. Stellar       1302 Soctt Street Kulpmont       17         10       Waddell Coal Mining Co., Inc. W bk Peter Brojak       John Walaitis       1302 Soctt Street Kulpmont       17         21       Walaitis Coal Co., Paul DM       John Walaitis       100 S. Wyland St.       Frackville       17         28       Webry Coal Co., Paul DM       Paul Webry       1615 W. Independ. Shamokin       17         15       Wesner Coal Co. EP       W. J. Wesner       R. D. 2       Tamaqua       18         28       West Cameron Coal Co. DM       Charles Martin       R. D. 180 89       Pottsville       17         16       Whippoorwill Coal Co. IM       Joseph Tarconish       Washington Street       Middleport       17         17       White's Vein Coal Co., Inc. DM       Charles Greeco       1054 Screet       Sacramento       17         17       White's Vein Coal Co., Inc. DM       A. R. Williamson       Valley View       17         18       Williamson Coal Co., Inc. DM       A. R. Williamson       Valley View       17         16       Williamson Coal Co., Inc. DM       A. R. Williamson       Valley View       17         17       Winte's Coal Co., Inc. DM       A. R. Williamson       New Phila.       17     <	21		Victor Viola	R. D. 2, Box 779		179
10       Waddell Coal Mining Co., Inc. W bk Peter Brojak       Archbald       12         21       Walaitis Coal Co. DM       John Walaitis       40 S. Wyland St.       Frackville       17         28       Webry Coal Co., Faul DM       Paul Webry       1615 W. Independ.       Shamokin       17         15       Wesner Coal Co., BP       W. J. Wesner       R. D.       Shamokin       17         19       West Cameron Coal Co. DM       Robert Erb       R. D.       Shamokin       17         19       Westwood Coal Co. IM       Oseph Tarconish       Jasington Street       Middleport       17         16       White Birch Coal Co., Inc. IM       Neil Delance       18 W. Oak Street       Shenankin       17         17       White Birch Coal Co., Inc. DM       Charles Greco       1054 scott Street       Kulpmont       17         16       Williamson Coal Co., Inc. DM       A. R. Williamson       17       Sacramento       17         16       Williamson Coal Co., Nac. IM       Evan Williams       New Phila.       17         17       White Sirch Coal Co., Nac M       W. Shappell       938 Center Street       Shamokin       17         17       White Sirch Coal Co., M       William Wolfe       307 Worth Street       Williamst	28			1302 Scott Street		178
21       Walaitis Coal Co. DM       John Walaitis       40 S. Wyland St. Frackville       17         28       Wehry Coal Co., Paul DM       Paul Wehry       1615 W. Independ. Shamokin       17         28       Wester Coal Co. FP       W. J. Wesner       R. D. 2       Tamaqua       18         29       Wester Coal Co. IM       Robert Erb       R. D. 1       Shamokin       17         19       Westwood Coal Co. DM       Charles Martin       R. D. 1       Shamokin       17         18       Whippoorwill Coal Co. IM       Oseph Tarconish       Washington Street       Middleport       17         10       White's Vein Coal Co., Inc. IM       Neil Delance       118 W. Oak Street       Shamokin       17         17       White's Vein Coal Co., Inc. DM       Charles Greeco       105 Street       Kulpmont       17         16       Williamson Coal Co., Inc. DM       A. R. Williamson       Valley View       17         18       Williams Coal Co., Inc. DM       A. R. Williamson       New Phila.       17         17       Windsor Coal Co., Inc. DM       A. R. Williamson       Valley View       17         18       William Soal Co., IN       W. Shappell       938 Center Street       Shamokin       17         18	10					184
28       Wehry Coal Co., Paul DM       Paul Wehry       1615 W. Independ. Shamokin       17         15       Westrer Coal Co. BP       W. J. Wesner       R. D. 2       Tamaqua       18         28       West Cameron Coal Co. DM       Robert Erb       R. D. 2       Shamokin       17         19       Westwood Coal Co. DM       Charles Martin       R. D. 1, Box 89       Pottsville       17         18       Whippoorwill Coal Co. IM       Joseph Tarconish       Jashington Street       Middleport       17         26       White Birch Coal Co., Inc. IM       Neil DeLance       118 W. Oak Street       Shenandaha 17         26       White Vich Coal Co., Inc. DM       Charles Greco       1054 Scott Street       Shenandaha 17         27       Whither Strich Coal Co., Inc. DM       Charles Greco       1054 Scott Street       Kulpmont       17         15       Wiconisco Coal Co., Inc. DM       A. R. Williamson       Valley View 17       18       New Phila. 17         16       Williamson Coal Co., Inc. DM       A. R. Williamson       New Phila. 17         29       Windsor Coal Co. DM       W. Shappell       938 Center Street       Shamokin       17         12       Wolfe Coal Co. DM       William Wolfe       307 North Street       Namokin				40 S. Wyland St.		179
15       Wesner Coal Co. EP       W. J. Wesner       R. D. 2       Tamaqua       16         28       West Cameron Coal Co. DM       Robert Erb       R. D. 1, Box 89       Pottsville       17         19       Westwood Coal Co. DM       Charles Martin       R. D. 1, Box 89       Pottsville       17         18       Whippoorwill Coal Co. DM       Joseph Tarconish       Washington Street       Middeport 17         26       White Birch Coal Co., Inc. DM       Neil Delance       118 W. Oak Street       Shenandoan 17         12       White Birch Coal Co., Inc. DM       Charles Greco       105 Scott Street       Kupmont       17         15       Wiconisco Washery, Inc. bk       T. J. Redlly       F. O. Box 219       Hazleton       18         16       Williams Coal Co., Inc. DM       A. R. Williamson       New Phila.       17         16       Williams Coal Co., Evan DM       Evan Williams       938 Center Street       Shanokin       17         29       Windsor Coal Co. DM       William Wolfe       307 North Street       Williamstown 17         12       Wolfe Coal Co., Marlin DM       Marlin Wolfgang Coal Co., Marlin DM       Marlin Wolfe       307 North Street       Shanokin       17         20       Wordtyla Coal Co. DM       Marli				1615 W. Independ.		178
28       West Cameron Coal Co. DM       Robert Erb       R. D.       Shamokin       17         19       Westwood Coal Co. DM       Charles Martin       R. D.       Shamokin       17         13       Whippoorvill Coal Co. DM       Joseph Tarconish       Washington Street       Middleport       17         26       White Birch Coal Co., Inc. DM       Neil DeLance       118 W. Oak Street       Shenandoah       17         21       White's Vein Coal Co., Inc. DM       Charles Greco       105K Scott Street       Kulpmont       17         15       Wiconisco Washery, Inc. bk       T. J. Relly       P. O. Box 219       Hazleton       18         16       Williamson Coal Co., Inc. DM       A. R. Williamson       Valley View       17         16       Williams Coal Co., Inc. DM       A. R. Williamson       Valley View       17         17       Windsor Coal Co., Inc. DM       A. R. Williamson       Valley View       17         16       Williams Coal Co., Inc. DM       A. R. Williamson       Valley View       17         17       Windsor Coal Co., MM       W. Shappell       938 Center Street       Shamokin       17         17       Wolfg Coal Co., Marlin DM       Marlin Wolfg ang       169 Wiconisco St. Tower City       17						182
19       Westwood Coal Co. DM       Charles Martin       R. D. 1, Box 89       Pottsville 17         18       Whippoorwill Coal Co. DM       Joseph Tarconish       Jashington Street       Middleport 17         26       White Birch Coal Co., Inc. IM       Neil DeLance       118 W. Oak Street       Shenandoah 17         12       White Birch Coal Co., Inc. DM       Clayton Shade       Sacramento 17         17       Whitney Coal Co., Inc. DM       Charles Greco       1054 Screet       Kulpmont 17         15       Wiconisco Washery, Inc. bk       T. J. Retlly       P. O. Box 219       Hazleton 18         16       Williamson Coal Co., Inc. DM       A. R. Williamson       New Phila. 17         18       Windsor Coal Co., DM       W. Shappell       938 Center Street       Shamokin 17         29       Windsor Coal Co. DM       William Wolfe       307 North Street       Williamstorwn 17         12       Wolfgang Coal Co., Marlin DM       Marlin Wolfgang 169 Wiconisoo St. Tower City 17       16       Wolfgang Coal Co., Marlin DM       Marlin Wolfgang 169 Wiconisoo St. Tower City 17         19       Woordside Mining Co. DM       John Olenick       R. D. 1, Box 21/-A Pottsville 17         19       Woordside Mining Co. DM       John Olenick       R. D. 1, Box 21/-A Pottsville 17         2 <td></td> <td></td> <td></td> <td></td> <td></td> <td>178</td>						178
18       Whippoorwill Coal Co. IM       Joseph Tarconish       Washington Street       Middleport       17         26       White Birch Coal Co., Inc. IM       Neil DeLance       11 W. Oak Street       Shanandoh       17         12       White's Vein Coal Co., Inc. IM       Clayton Shade       Sacramento 17         17       Witney Coal Co., Inc. IM       Clayton Shade       Sacramento 17         17       Witney Coal Co., Inc. IM       Charles Greco       D54 Scott Street       Kupmont       17         15       Wiconisco Washery, Inc. bk       T. J. Retlly       P. O. Box 219       Hazleton       18         16       Williamson Coal Co., Fron. DM       A. R. Williamson       New Phila.       17         17       Windsor Coal Co., DM       W. Shappell       936 Center Street       Shamokin       17         17       Wolfgang Coal Co., Marlin IM       Marlin Wolfgang       169 Wiconisco St. Tower City       17         17       Woodside Mining Co. IM       John Oienick       R. D. 1, Box 11/-A Pottsville       17         19       Woodside Mining Co. IM       J. P. Yanik       Excelsion       17						179
26       White Birch Coal Co., Inc. IM       Nell DeLance       118 W. Oak Street       Shenandoah       17         12       White's Vein Coal Co., Inc. DM       Clayton Shade       Sacramento       17         17       Whitney Coal Co., Inc. DM       Charbes Greco       1054 Scott Street       Kulpmont       17         15       Wiconisco Washery, Inc. bk       T. J. Reilly       P. O. Box 219       Hazleton       18         16       Williamson Coal Co., Inc. DM       A. R. Williamson       Valley View       17         17       Williamson Coal Co., Inc. DM       A. R. Williamson       New Phila.       17         16       Williams Coal Co., DM       W. Shappell       938 Center Street       Shamokin       17         12       Wolfe Coal Co. DM       William Wolfe       307 North Street       Williamstown 17         16       Wolfgang Coal Co., Marlin DM       Marlin Wolfgang       169 Wiconisco St. Tower City 17       17         16       Woratyla Coal Co., DM       Andrew Woratyla       P. O. Box 2       Liewellyn 17         17       Woratyla Coal Co., DM       John Olenick       R. D. 1, Box 117-A Pottsville       17         17       Woratyla Coal Co., DM       John Olenick       R. D. 1, Box 117-A Pottsville       17						179
12       White's Vein Coal Co. DM       Clayton Shade       Sacramento       17         17       Whitney Coal Co., Inc. DM       Charles Greco       1054 Scott Street Kulpmont       17         15       Wiconisco Washery, Inc. bk       T. J. Reilly       P. O. Box 219       Hazleton       18         16       Williamson Coal Co., Inc. DM       A. R. Williamson       Valley View 17       17         18       Williamson Coal Co., Evan DM       Evan Williams       New Phila.       17         29       Windsor Coal Co. DM       W. Shappell       938 Center Street Shamokin       17         12       Wolfe Coal Co. DM       William Wolfe       307 North Street Williamstown 17       17         14       Wolfgang Coal Co., Marlin DM       Marlin Wolfgang Losal Co. Stower Uity 17       17       21       Woretyla Coal Co. DM       Marlin Wolfgang Losal Could Co.       17         19       Woodside Mining Co. DM       John Olenick       R. D. 1, Box 117-A Pottsville       17         19       Woodside Mining Co. DM       J. P. Yanik       Excelsion 17						179
17       Whitney Coal Co., Inc. DM       Charles Greeco       1054 Scott Street Kulpmont       11         15       Wilconisco Washery, Inc. bk       T. J. Reilly       P. O. Box 219       Hazleton       18         16       Williamson Coal Co., Inc. DM       A. R. Williamson       Valley View       17         18       Williams Coal Co., Evan DM       Evan Williams       New Phila.       17         29       Windsor Coal Co. DM       W. Shappell       936 Center Street Shawokin       17         12       Wolfe Coal Co. DM       William Wolfe       307 North Street       Williamstown 17         16       Wolfgang Coal Co., Marlin DM       Marlin Wolfgang Coal Co. Street Street Street Street Street       17         16       Worstyla Coal Co. DM       Andrew Worstyla       P. O. Box 2       Liewellyn       17         17       Woodside Mining Co. DM       John Oienick       R. D. 1, Box 11/-A Pottsville       17         19       Woodside Mining Co. DM       John Oienick       R. D. 1, Box 11/-A Pottsville       17		White's Vein Coal Co. DM	Clayton Shade			179
15       Wiconisco Washery, Inc. bk       T. J. Reilly       P. O. Box 219       Hazleton       18         16       Williamson Coal Co., Inc. DM       A. R. Williamson       Valley View       17         16       Williams Coal Co., Evan DM       Evan Williams       New Phila. 17         29       Windsor Coal Co., DM       Www. Shappell       938 Center Street       Shamokin 17         12       Wolfe Coal Co. DM       Williams Wolfe       307 North Street       Shamokin 17         15       Wolfgang Coal Co., Marlin DM       Marlin Wolfgang       169 Wiconisco St. Tower City 17       7         16       Woratyla Coal Co., DM       Andrew Woratyla       P. O. Box 2       Liewellyn 17         19       Woodside Mining Co. DM       John Olenick       R. D. 1, Box 117-A Pottsville 17         23       Tanik Brothers DM       J. P. Yanik       Excelsion 17			Charles Greco	105) Scott Street		178
16     Williamson Coal Co., Inc. DM     A. R. Williamson     Valley View 17       18     Williams Coal Co., Evan DM     Evan Williams     New Phila.     17       29     Windsor Coal Co. DM     W. Shappell.     936 Center Street Shamokh.     17       12     Wolfe Coal Co. DM     William Wolfe     307 North Street Williamstown 17       16     Wolfgang Coal Co., Marlin DM     Marlin Wolfe     169 Wiconisco St. Tower City 17       21     Woratyla Coal Co., DM     Andrew Woratyla     P. O. Box 2     Liewellyn 17       19     Woodside Mining Co.     DM     John Olenick     R. D. 1, Box 117-A Pottsville 17       22     Yank Brothers DM     J. F. Yanik     F. Coal Co. 17		Wiconisco Washery, The. bk				182
18     Williams     New Phila.     17       29     Windsor Coal Co. DM     W. Shappell     938 Center Street Shamokin     17       12     Wolfe Coal Co. DM     W. Shappell     938 Center Street Shamokin     17       16     Wolfgang Coal Co., Marlin DM     Marlin Wolfgang     169 Wiconisco St.     Tower City     17       16     Wolfgang Coal Co., Marlin DM     Marlin Wolfgang     169 Wiconisco St.     Tower City     17       21     Worstyla Coal Co. DM     Andrew Worstyla     P. O. Box 2     Llewellyn     17       19     Woodside Mining Co. DM     John Olenick     R. D. 1, Box 117-A Pottsville     17       23     Yanik Brothers DM     J. P. Yanik     Excelsior     17		Williamson Coal Co., The DM		1. 0. DOX 21/		179
29     Windsor Coal Co. DM     W. Shappell     938 Center Street     Shamokin     17       12     Wolfe     O37 North Street     William Wolfe     307 North Street     William Street     <		Williams Cosl Co Fran DM				179
12     Wolfe Coal Co. DM     William Wolfe     307 North Street     Williamstown 17       16     Wolfgang Coal Co., Marlin DM     Marlin Wolfgang     169 Wiconisco St. Tower City 17       21     Woratyla Coal Co. DM     Andrew Woratyla     P. 0. Box 2     Llewellyn 17       19     Woodside Mining Co. DM     John Olenick     R. D. 1, Box 117-A Pottsville 17       23     Yanik Brothers     DM     J. P. Yanik		Windson Cool Co DM		938 Conton Street		178
16     Wolfgang Coal Co., Marlin DM     Marlin Wolfgang     169 Wiconisco St. Tower City     17       21     Woratyla Coal Co. DM     Andrew Woratyla     P. O. Box 2     Llewellyn     17       19     Woodside Mining Co. DM     John Olenick     R. D. 1, Box 117-A Pottsville     17       23     Yanik Brothers     DM     J. P. Yanik     Excelsion     17	10	Windou Coal Co. DM				
21         Worstyla         Coal Co. / DM         Andrew Worstyla         P. 0. Box 2         Liswellyn         17           19         Woodside Mining Co. DM         John Olenick         R. D. 1, Box 117-A Pottsville         17           23         Yanik Brothers DM         J. P. Yanik         Excelsion         17						
19 Woodside Mining Co. DM John Olenick R. D. 1, Box 117-A Pottsville 17 23 Yanik Brothers DM J. P. Yanik Excelsior 17						179
23 Yanik Brothers DM J. P. Yanik Excelsion 17						179
				к. D. 1, Box 117-А		179
18 Zakrewsky Coal Co. IM Peter Zakrewsky Tamaqua 18	23 18					178 182

154		•			
Dis- trict	Operator	General Manager	Addre		Zip Code
23 21	Zanella Brothers Coal Co. DM Zimmerman Coal Co., Marlin DM	Stephen Zanella Marlin Zimmerman	34 Spruce Street	Ashland Ravine	17921 17966

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- NOTE: DM Denotes Deep Mines S Denotes Strip Mine Operations B Denotes Breakers BP Denotes Breaker Preparation Only M Denotes Maintenance W Denotes Maintenance W Denotes Mashery bk Denotes Eank Operations

#### DEPARTMENT OF MINES AND MINERAL INDUSTRIES

ANTHRACITE DIVISION Breakers, Washeries and Preparation Plants

Dis- trict	Preparation Plant	Company	Location	2
		- company	20040101	
10	Ace Breaker	Ace Coal Co.	Blakely	10
10	Ace Cleaning Plant	Ace Anthracite, Inc.	Blakely	ī
24	Ace Coal Sales			ĩ
		Ace Coal Sales	Weigh Scale	
20	Atlas Washery	Bridy, Incorporated	Atlas	1
26	B-D Fine Coal Plant	B-D Mining Co.	Mahanoy Township	1.
18	B. & N. Breaker	B. & N. Coal Co.	Schuylkill Haven	17
24	Bar-Mac Breaker	Bar-Mac Coal Co.	Weigh Scale	1
15	Beaver Brook Breaker	Beaverbrook Coal Co., Inc.	Hazle Township	10
15	Beaver Brook Fine Coal Plant		Hazle Township	18
19	Beechwood Cleaner Plant	Reading Anthracite Co.	Duncott	1
13	Bel Air Breaker	Duryea Coal Sales Co.	Duryea	10
ĩś	Big Buck Breaker	Big Buck Coal Co.	Foster Township	i
19				1
	Black Heath Breaker	Phoenix Contracting Co.	Cressona	
26	Blaschak Breaker	Blaschak Coal Co., Inc.	St. Nicholas	1
1	Bliss Crushing Plant	Bliss Coal Co.	Mildred	18
10	Bolands Breaker	DeAngelis, Inc.	Carbondale	18
1	Booth Cleaning Plant	E. & B. Coal Sales	Mildred	18
18	Brockton Breaker	R. & R. Coal Co.	Brockton	17
29	Cains Breaker	Cains Coal Co.	Shamokin	17
15	Candleton Breaker	Coleby Coal Co., Inc.	Gilberton	ī
24	Carbon Run Breaker	Rosini Coal Co.	South Shamokin	1
12				
	Coal Sales Ramp	George Fronk	Lykens	1
26	Connerton Cleaning Plant	Marion Mining Co., Inc.	Girardville	ľ
24	D. & Z. Breaker	D. & Z. Coal Co.	Weigh Scale	1,
20	Diamond Breaker	Diamond Coal Co.	Atlas	1
24	Diminick Breaker	Diminick Coal Sales	Paxinos	ľ
19	DiRenzo Breaker	DiRenzo Coal Co.	Minersville	17
30	Donaldson Breaker a	Industrial Coal Sales Co.	Donaldson	17
21	Echo Breaker	Echo Coal Co.	Tremont	ĩ
15	Eckley Breaker		Ringtown	17
12		Buckley Coal Corporation		
	Elizabethville Washery	Elizabethville Coal Co.	Elizabethville	17
19	Forestville Washery	Manbeck Dredging Co., Inc.	Forestville	16
13	Franklin Cleaning Plant	Lehigh Valley Anthracite, Inc.	Wilkes-Barre Township	18
30	Franklin Hydrotated Breaker	Franklin Coal Co.	Ravine	17
26	Gilberton Breaker	Gilberton Coal Co.	Gilberton	17
24	Glen Burn Breaker	Glen Burn Colliery, Inc.	Shamokin	17
11	Glen Lyon Breaker	Susquehanna Coal Co.	Glen Lyon	18
19	Glenn Worth Coal Co.	Glenn Worth Coal Co.	Cressona	ī
24	Glosek Breaker b	Glosek Brothers Coal Sales	Weigh Scale	ĩ
15	Gowen Breaker			18
18		Gowen Coal Co.	Fern Glen	
10	Greenwood Breaker	Greenwood Mining Co.	Rahn Township	19
15	Greybosh Breaker	Greybosh Coal Co., Inc.	Hazleton	18
17	H. J. & H. Breaker	H. J. & H. Coal Co.	Trevorton	17
13 15	Harry E. Breaker	Lehigh Valley Anthracite, Inc.	Swoyersville	18
15	Hazleton Shaft Breaker	Lehigh Valley Anthracite, Inc.	Hazleton	18
15		Lehigh Valley Anthracite, Inc.	Hazleton	18
15	Highland No. 5 Breaker	Jeddo-Highland Coal Co.	Foster Township	18
21	Hillside Breaker	Hegins Mining Co.	Zerbe	ĩ
15	Honeybrook Breaker c	Honeybrook Mines, Inc.	Audenried	ī
15				18
	Honeybrook Breaker	Archer Coal Co.	Audenried	
24	Hoover Breaker	Hoover Mining Co.	Paxinos	1
13	Huber Breaker	Blue Coal Corporation	Ashley	18
18	J. & E. Breaker	J. & E. Coal Co.	South Tamaqua	18
15	Jeddo No. 7 Breaker	Jeddo-Highland Coal Co.	Hazle Township	10
16	Joliett Breaker	Lehigh Valley Anthracite, Inc.	Joliett	17
2h	K. & D. Breaker	K. & D. Coal Co.	Weigh Scale	17
24 18				
	K. M. & F. Breaker	K. M. & F. Coal Service	Middleport	17
19	K. & P. Breaker	K. & P. Coal Co.	Minersville	17
18	Kaska Breaker	Film Coal Co., Inc.	Middleport	1

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Dis-	December 21 and		T	Zip
trict	Preparation Plant	Company Colored to The	Location Laflin	Code 18702
13	Kassa Breaker	Silverbrook Anthracite, Inc.		17098
12	Kerrigan Breaker	Kerrigan Coal Co., Inc., Paul	Williamstown R. D.	17921
26	Kerrigan Fine Coal Plant	Kerrigan Coal Co., Inc., Paul	Ashland R. D. 1	17983
16	Kocher Breaker	Kocher Coal Co., Leon E.	Valley View	
16	Legal Breaker	Legal Coal Co.	Valley View	17983
15	Lion Breaker	Lehigh Valley Anthracite, Inc.	Hazleton	18201
19	Live Oak Breaker	Live Oak Coal Co.	Primrose	17954
23	Locust Summit Breaker	Reading Anthracite Co.	Locust Gap	17840
11	Loomis Breaker	Lehigh Valley Anthracite, Inc.	Hanover Township	18702
13	Loree Breaker	Blue Coal Corporation	Larksville	18704
24	Lower Region Washery	Lower Region Colliery	Trevorton Road	17881
19 26	Lowland Washery	Manbeck Dredging Co., Inc.	Landingville	17942
26	Malho Breaker	Malho Coal Co.	Lavelle	17943
	Mammoth Breaker	Lehigh Valley Anthracite, Inc.	Raven Run	17946
26	Maple Hill Cleaning Plant	Reading Anthracite Co.	Maple Hill	17976
19	Maple Spring Breaker	C. L. S. Coal Co.	Branch Dale	17923
18	Marlin Breaker	Cass Contracting Co.	Marlin	17951
10	Matisko Cleaning Plant	Matisko Coal Co.	Forest City	18421
15	Mazaika Breaker	Mazaika Brothers Coal Co.	Rush Township	18252
12	Meadowbrook Washery	Meadowbrook Coal Co.	Lykens	17048
19	Minersville Breaker	Minersville Coal Co., Inc.	Minersville	17954
26	Morea Breaker	Lehigh Valley Anthracite, Inc.	Morea	17955
26	Mount Hazle Breaker	Locust Valley Coal Co., Inc.	Mahanoy Township	17958
18	Mountain Side Breaker	Mountain Side Coal Co.	South Tamaqua	18252
18	Nesquehoning Cleaning Plant	Correale Construction Co.	Nesquehoning R.D. 1	18240
19	New St. Nicholas Breaker	Reading Anthracite Co.	Duncott	17901
19	New St. Nicholas Fine Coal Pl		Duncott	17901
18	No. 6 Washery	Manbeck Dredging Co., Inc.	Lansford	18232
30	Oakwood Breaker	Oakwood Coal Co., Inc.	Pine Grove R. D. 3	17963
19	Old Mill Breaker	Old Mill Coal Yard	Llewellyn	17944
19	Olenick Breaker	Olenick Brothers Coal Co.	Forestville	16035
10	Olyphant Cleaning Plant	Glenmore Colliery Co.	Dickson City	18519
13	O'Toole Cleaning Plant	O'Toole, John F.	Moosic	18505
30	Penag Breaker	Penag Coal Co.	Good Spring	17981
10	Penbrook Breaker	Penbrook Coal Co.	Archbald	18403
12	Pine Creek Breaker	Pine Creek Coal Co.	Spring Glen	17978
18	Pine Forest Cleaner Plant	Reading Anthracite Co.	St. Clair	17970
10	Pompey Breaker	Pompey Coal Co.	Jessup	18434
18	Premium Fine Coal Plant	Premium Fine Coal Co., Inc.	South Tamaqua	18252
13	Prospect Cleaning Plant	Lehigh Valley Anthracite, Inc.	Plains Township	18705
18	Randolph Washery	Randolph Coal Co.	Port Carbon	17965
29	Ranshaw Washery	Ranshaw Transportation & Auto Wreckers Co.	Ranshaw	17866
10	Raymond Breaker	Northwest Mining Co., Inc.	Eynon	18418
26	Reichwein & Beury Breaker	Reichwein & Beury Coal Co.	Gordon	17921
24	Reidinger Breaker	Reidinger Coal Service, Inc.	Paxinos	17860
26	Rosa Breaker	Capparell Coal Co., Inc.	Shenandoah	17976
26	St. Nicholas Fine Coal Plant	Reading Anthracite Co.	St. Nicholas	17948
18	Salem Creek Breaker	Lehigh Valley Anthracite, Inc.	Pottsville	17901
20	Savitski Breaker	Savitski Brothers Coal Sales	Atlas	17811
30 12	Schneck Breaker	Schneck Coal Co., Thomas W.	Pine Grove R. D. 1	17963
26	Shomper Breaker	Shomper Coal Co.	Williamstown R. D.	17098
18	Skytop Breaker	Skytop Coal Co., Inc.	Mahanoy Township	17908
	Silver Creek Breaker		New Philadelphia	17959
18 24	South Tamaqua Breaker	South Tamaqua Coal Pockets	South Tamaqua	18252
18	Split Vein Breaker	Split Vein Coal Co.	Weigh Scale	17872 18252
26	Spring Creek Breaker	Spring Creek Coal Co.	South Tamaqua	17958
20	Starwood Breaker	Starwood Coal Corporation	New Boston	17879
12	State Cleaning Plant Stonehill Breaker	State Coal Co., Inc. Stonehill Coal Co.	Strong	17046
12	Stohenill Breaker Strohecker Breaker		Loyalton Elizabethville R. D.	
		Strohecker Coal Co.		18643
13 28	Sullivan Trail Breaker	Lehigh Valley Anthracite, Inc.	West Pittston	
20 16	Sunshine Breaker	Sunshine Coal Co.	Trevorton	17881
	Superior Breaker	Superior Coal Co.	Valley View	17983
21	Swatara Breaker	Swatara Coal Co., Inc.	Zerbe	17984
24	Swift Breaker	Swift Coal Sales	Paxinos	17860
13	Taylor Breaker	Moffat Premium Anthracite, Inc.	Taylor	18517
15	Tedesco Breaker	Tedesco Brothers Coal Co.	Pardeesville	18243
17	Trevorton Breaker	Reading Anthracite Co.	Trevorton	17881

Dis- trict	Preparation Plant	Company	Location	Zip Code
12	Underkoffler Breaker	Underkoffler Coal Service	Lykens	17048
15	Valley Breaker	Valley Coal Co.	Rush Township (Tamaqua)	18252
10	Waddell Washery	Waddell Coal Mining Co., Inc.	Winton (Jessup)	18434
15	Wesner Breaker	Wesner Coal Co.	Rush Township (Tamaqua)	18252

NOTE: (a) Formerly operated by Anthracite Fine Coals, Inc.
(b) Destroyed by fire.
(c) Breaker operated on first shift by Honeybrook Mines, Inc. and Archer Coal Co. on second shift.

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