

Breeds Coal Co.  
Breeds Mine  
2253, 1883-1928

CANTON QUADRANGLE  
ILLINOIS—FULTON CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SEA 4 CANTON 19 QUADRANGLE

# Coal Mines in Illinois Canton Quadrangle Fulton County, Illinois

## Herrin Coal

This map accompanies the Coal Mines Directory for the Canton Quadrangle and the map of mines in the Springfield Coal, Canton Quadrangle. Consult the directory for a complete explanation of the information shown on this map.

- Mining Method**
- Room & Pillar (RP)
  - Room & Pillar Basic (RPB)
  - Modified Room & Pillar (MRP)
  - Room & Pillar Panel (RPP)
  - Blind Room & Pillar (BRP)
  - Checkerboard Room & Pillar (CRP)
  - High Extraction Retreat (HER)
  - Longwall (LW)
  - Underground, Method Unknown
  - Strip Mine
  - Auger Mine
  - General Area of Mining
- Other Areas Depicted**
- Non-Coal Mines

- Source of Mine Outline**
- Final Mine Map
  - Not Final Mine Map
  - Undated Mine Map
  - Incomplete Mine Map
  - Secondary Source Map

- Tipple, Shaft, Slope, Drift Locations**
- Strip Mine Tipple - Active
  - Strip Mine Tipple - Abandoned
  - Mine Shaft - Active
  - Mine Shaft - Abandoned
  - Mine Slope - Active
  - Mine Slope - Abandoned
  - Mine Drift - Active
  - Mine Drift - Abandoned
  - Air Shaft
  - Uncertain Location
  - Uncertain Type of Opening

**Mine Annotation**  
(space permitting)  
Company  
Mine Name  
ISGS Index No., Years of Operation

**Disclaimer**  
Please check the Coal Section at the Illinois State Geological Survey's web site at <http://www.isgs.illinois.edu> for the most up-to-date version of these products.

Note that each quadrangle scale mined-out area map requires the use of the associated text directory for full explanation of map features and mine attributes. Also note that some quadrangles have multiple seams of mining and therefore more than one map may be available for a particular quadrangle. Please take care to check for multiple maps, as extensive mining may exist in the other seams.

The maps and digital files used for these studies were compiled from data obtained from a variety of public and private sources and have varying degrees of completeness and accuracy. This compilation map presents reasonable interpretation of the geology of the area and is based on available data. Locations of some mine features may be offset by 500 feet or more due to errors in the original source maps, the compilation process, digitizing, or a combination of these factors. These data are not intended for use in site-specific screening or decision-making. Use of these documents does not eliminate the need for detailed studies to fully understand the geology of a specific site. The Illinois State Geological Survey, Prairie Research Institute, or the University of Illinois make no guarantee, expressed or implied, regarding the correctness of the interpretations presented in this data set and accept no liability for the consequences of decisions made by others on the basis of the information presented here.

These maps were designed for use at 1:24,000. Enlarging the map may reduce accuracy, as the original scale of the source maps used to compile the outlines shown varies from 1:400 to 1:150,000, and some mine locations are known only from text descriptions. See the accompanying mine directory for the original scale of the source map used for a specific mine to check accuracy of a given portion of the map. Areas with no mines shown may still be undermined; see the unlocated mines list at the back of each mine directory.

The image of the U.S.G.S. topographic base map was projected from the original UTM to Lambert Conformal Conic.

## Location



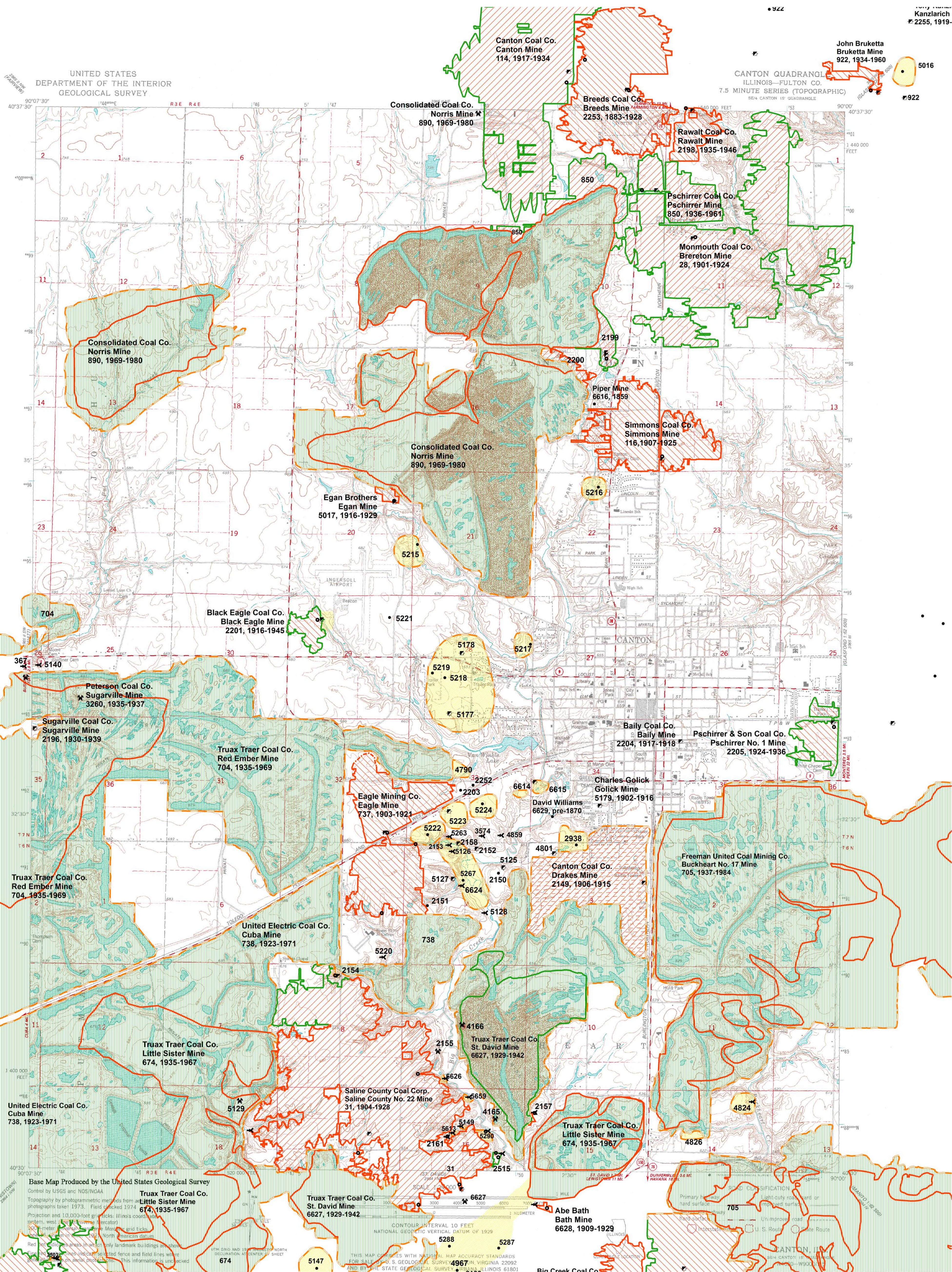
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Mine Outlines Compiled by  
C. Chenoweth & Alan R. Myers  
June 2017





# Coal Mines in Illinois Canton Quadrangle Fulton County, Illinois Springfield Coal

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## Mining Method

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- Longwall (LW)
- Underground, Method Unknown
- Strip Mine
- Auger Mine
- General Area of Mining

## Source of Mine Outline

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- Not Final Mine Map
- Undated Mine Map
- Incomplete Mine Map
- Secondary Source Map

## Tipple, Shaft, Slope, Drift Locations

- Strip Mine Tipple - Active
- Strip Mine Tipple - Abandoned
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- Mine Slope - Abandoned
- Mine Drift - Active
- Mine Drift - Abandoned
- Air Shaft
- Uncertain Location
- Uncertain Type of Opening

## Mine Annotation (space permitting)

- Company
- Mine Name
- ISGS Index No., Years of Operation

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The image of the U.S.G.S. topographic base map was projected from the original UTM to Lambert Conformal Conic.

## Other Areas Depicted

- Non-Coal Mines

## Other Points Depicted

- Non-Coal Mines

## Location



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Mine Outlines Compiled by  
C. Chenoweth & Alan R. Myers  
June 2017



# DIRECTORY OF COAL MINES IN ILLINOIS

## 7.5-MINUTE QUADRANGLE SERIES

### CANTON QUADRANGLE

### FULTON COUNTY

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2017

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**Cover photo** Track-mounted duckbill loading machine at a Peabody Coal Company mine, ca. 1915.

DISCLAIMER: The accuracy and completeness of mine maps and directories vary with the availability of reliable information. Maps and other information used to compile this mine map and directory were obtained from a variety of sources and the accuracy of some of the original information cannot be verified. Consequently, the Illinois State Geological Survey (ISGS) cannot guarantee the mine maps are free of errors and disclaims any responsibility for damages that may result from actions or decisions based on them.

The ISGS updates the maps and directories periodically, and welcomes any new information or corrections. Please contact the Coal Section of the ISGS at the address shown on the title page of this directory, or telephone (217) 244-4610.

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## **INTRODUCTION**

Coal has been mined in 76 counties of Illinois. More than 7,400 coal mines have operated since commercial mining began in Illinois about 1810; fewer than 30 are currently active. To detail the extent and location of coal mining in Illinois, the Illinois State Geological Survey (ISGS) has compiled maps and directories of known coal mines. The ISGS offers maps at a scale of 1:100,000 and accompanying directories for each county in which coal mining is known to have occurred. Maps at a scale of 1:24,000 and accompanying directories, such as this, are available for selected quadrangles. Contact the ISGS for a list of these quadrangles.

These larger scale maps show the approximate positions of mines in relation to surface features such as roads and water bodies, and indicate the mining method used and the accuracy of the mine boundaries. The maps are useful for locating mine boundaries relative to specific properties and for assessing the potential for subsidence in an area. Mine boundaries compiled from final mine surveys are generally shown within 200 feet of their true position. As a result of poor cartographic quality and inaccuracies in the original mine surveys, boundaries of some older mines may be mislocated on the map by 500 feet or more. Original mine maps should be consulted in situations that require precise delineation of mine boundaries or internal workings of mined areas.

This directory serves as a key to the accompanying mine map and provides basic information on the coal mines in the quadrangle. The directory is composed of two parts. Part I explains the symbols and patterns used on the accompanying map and the summary data presented for each mine. Part II numerically lists the mines in the quadrangle and summarizes the geology and production history of each mine. Total production for the mine, not the portion in the quadrangle, is given.

## **MINING IN THE CANTON QUADRANGLE**

The earliest mine in the Canton vicinity was Ezra Fairchild's drift mine in the Canton Township (T7N-R4E). The location of that mine is not known, merely that the mine was near a mill that was active at the time. The Piper Mine (mine index 6616), 1.5 miles north of Canton on the east bank of Big Creek, was active in 1859.

In the northern part of the Canton Quadrangle, both the Herrin and Springfield Coals were mined, and were accessed by surface and underground mines. In the southern part of the Canton Quadrangle, the Springfield Coal was the only seam available economically (although the Colchester Coal is present). The Springfield Coal cropped out along Big Creek and its tributaries, so the coal was entered into via drift and slope entries, but shaft mines were common as well. Because the coal was shallow, roof difficulties were common, as were the normal problems of the Springfield Coal, such as horsebacks and concretions in the shale above the coal. The most recent mine, Buckheart No. 17 Mine (mine index 705), closed in 1984.



## PART I EXPLANATION OF MAP AND MINE SUMMARY SHEET

### INTERPRETING THE MAP

The map accompanying this directory shows the location of coal mines known to be present in the quadrangle. The map, corresponding to a U.S. Geological Survey (USGS) 7.5-minute quadrangle, covers an area bounded by lines of latitude and longitude 7.5-minutes apart. In Illinois, a quadrangle is approximately 6.5 miles east to west and 8.5 miles north to south, an area of about 56 square miles. The USGS generally offers one map of mines per quadrangle. In some areas where extensive mining occurred in two or more overlapping seams, separate maps are compiled for mines in each seam to maintain readability of the map.

#### Mine Type and Mining Method

The mine type is indicated on the map by pattern color: green represents surface mines; red and yellow represent underground mines. The red patterns are used for areas of underground mining that are documented by a primary or secondary source map. A yellow pattern is used for cases where no map of the mine workings is available, but a general area of mining can be inferred from property maps or production figures. The patterns indicate the main mining methods used in underground mines. The methods are (1) room and pillar and (2) high extraction. The method used gives some indication of the amount and pattern of coal extraction within each mined area, and has some influence on the timing and type of subsidence that can occur over a mine.

The following discussion and illustrations of mining methods are based on Guither et al. (1984).

In room-and-pillar mines, coal is removed from haulage-ways (entries) and selected areas called rooms. Pillars of unmined coal are left between the rooms to support the roof. Depending on the size of rooms and pillars, the amount of coal removed from the production areas will range from 40% to 70%.

**Room and Pillar** - mining is divided into six categories:

- room-and-pillar basic (RPB, fig. 1A), an early method that did not follow a preset mining plan and therefore resulted in very irregular designs;
- modified room and pillar (MRP, fig. 1B);
- room-and-pillar panel (RPP, fig. 1C);
- blind room and pillar (BRP, fig. 1D);
- checkerboard room and pillar (CRP, fig. 1E);
- room and pillar (RP), a classification used when the specific type of room-and-pillar mining is unknown.

Blind and checkerboard are the most common types of room-and-pillar mining used in Illinois today. The knowledge of room-and-pillar mining methods gives a trained engineer information on the nature of subsidence that may occur. A more extensive discussion of subsidence can be found in Bauer et al. (1993).

**High-extraction** These mining methods are subdivided into high-extraction retreat (HER, Fig 1F) and longwall (LW, Fig 1G, 1H). In these methods, much of the coal is removed within well defined areas of the mine. Subsidence of the surface above these areas occurs within weeks. Once the subsidence activity ceases, the potential for further movement over these areas is low; however, subsidence may continue for several years after mining.

High-extraction retreat mining is a form of room-and-pillar mining that extracts most of the coal. Rooms and pillars are developed in the panels, and the pillars are then systematically removed (fig. 1F).

In early (pre-1960) longwall mines, mining advanced in multiple directions from a central shaft (fig. 1G). Large pillars of coal were left around the shaft, but all coal was removed beyond these pillars. Miners placed rock and wooden props and cribs in the mined-out areas to support the mine roof. The overlying rock gradually settled onto these supports, thus producing subsidence at the surface. In post-1959 longwall mines, room-and-pillar methods have been used to develop the main entries of the mine and panel areas. Modern longwall methods extract 100 percent of the coal in the panel areas (fig. 1H).



## SOURCE MAPS

Mine outlines depicted on the map are, whenever possible, based on maps made from original mine surveys. The process of compiling and digitizing the quadrangle map may produce errors of less than 200 feet in the location of mine boundaries. Larger errors of 500 feet or more are possible for mines that have incomplete or inaccurate source maps.

Because of the extreme complexity of some mine maps, detailed features of mined areas have been omitted. The digitized mine boundary includes the exterior boundary of all rooms or entries that were at least 80 feet wide or protruded 500 feet from the main mining area. Unmined areas between mines are shown if they are at least 80 feet wide; unmined blocks of coal within mines are shown if they are at least 400 feet on each side. Original source maps should be consulted when precise information on mine boundaries or interior features is needed.

The mine summary sheet lists the source maps used to determine each mine outline. The completeness of map sources is indicated on the map by a line symbol at the mine boundary. Source maps are organized in five categories.

**Final mine map** The mine outline was digitized from an original map made from mine surveys conducted within a few months after production ceased. The date of the map and the last reported production are listed on the summary sheet.

**Not a final map** The mine is currently active or the mine outline was made from a map based on mine surveys conducted more than a few months before production ceased. This implies the actual mined-out area is probably larger than the outline on the map. The mine summary sheet indicated the dates of source maps and the last reported production, as well as the approximate tonnage mined between these two dates (if the mine is abandoned). The summary sheet also lists the approximate acreage mined since the date of the map and, in some cases, indicates the area where additional mining may have taken place. This latter information is determined by locating on the map the active faces relative to probable boundaries of the mine property.

**Undated map** The source map was undated, so it may or may not be based on a final mine survey. When sufficient data are available, the probable acreage of the mined area is estimated from reported production, average seam thickness and a recovery rate comparable to other mines in the area. This information is listed in the summary sheet for the mine.

**Incomplete map** The source map did not show the entire mine. The summary sheet indicates the missing part of the mine map and the acreage of the unmapped area, which is estimated from the amount of coal known to have been produced from the mine.

**Secondary source map** The original mine map was not found so the outline shown was determined from secondary sources (e.g., outlines from small-scale regional maps published in other reports). The summary sheet describes the secondary sources.

## POINTS AND LABELS

The locations of all known mine openings (shafts, slopes, and drifts) and surface mine tipples are plotted on the map. Tipples are areas where coal was cleaned, stockpiled, and loaded for shipping.

Only openings or tipples are plotted for mines without source maps. If the precise locations of these features are unknown, a special symbol is used to indicate the approximate location of the mine.

Each mine on the map is labeled with the names of the mine and operating company, ISGS mine index number, and years of operation (if known) if space permits. A seam designation is given on maps where more than one seam was mined. For a mine that operated under more than one name, only the most recent name is generally given. When a mine changed names or ownership shortly before closing, an earlier name is listed. All company and mine names are listed on the mine summary sheet in the directory, under the production history segment.





**Figure 1** Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).





**Figure 1 (cont.)** Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall





**Figure 2** Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

## INTERPRETING A MINE SUMMARY SHEET

The mine summary sheet is arranged numerically by mine index number. Index numbers are shown on the map and in the mine listing. The mine summary sheet provides the following information (if available).

**Company and mine name** The last company or owner of the mine is used, unless no production was recorded for the last owner. In that case, the penultimate owner is listed. Mines often have no specific name; in these cases, the company name is also used as the mine name.

**Type** *Underground* denotes a subsurface mine in which the coal was reached through a shaft, slope, or a drift entry. *Surface* denotes a surface, open pit or strip mine.

**Total mined-out acreage shown** The total acreage of the mined area mapped, including any acreage mined on adjacent quadrangles, is calculated from the digitized outline of the mine. The acreage of large barrier pillars depicted on the map is excluded from the mined-out acreage. Small pillars not digitized are included in the acreage calculation. If the mine outline is not based on a final mine map, the acreage is followed by an estimate of additional acres that may have been mined. The estimate is determined from reported mine production, approximate thickness of the coal, and recovery rates calculated from nearby mines that used similar mining methods.

## SHAFT, SLOPE, DRIFT OR TIPPLE LOCATIONS

**Shaft, slope, drift, or tippie locations** Locations of all known former entry points to underground mines or the location of coal cleaning, tippie, and shipping equipment used by the mine's facility are listed. The location is described in terms of county, township and range (Twp-Rge), section, and location within the section by quarters. NE SW NW, for instance, would describe the location in the northeast quarter of the southwest quarter of the northwest quarter. When sections are irregular in size, the quarters remain the same size and are oriented (or "registered") from the southeast corner of the section. Approximate footage from the section lines (FEL = from east line, FNL = from north line, for example) is given when that information is known; this indicates a surveyed location and is not derived from maps. Entry points are also plotted on the map and coded for the type of entry or tippie. A mine opening may have had many purposes during the life of the mine. Old hoist shafts are often later used for air and escape shafts; this information is included in the directory when known. The tippie for underground mines was generally located near the main shaft or slope. At surface mines, coal was sometimes hauled to a central tippie several miles from the mine pit.

## GEOLOGY

**Seam(s) mined** The name of the coal seam(s) mined is listed, if known. If multiple seams were mined, they are all listed, although the mined-out area for each seam may be shown on separate maps. Figure 2 shows the stratigraphic section of the coal-bearing interval in Illinois, and the vertical relations among the coals.

**Depth** The depth to the top of the seam in the vicinity of the shaft is listed, if known. The depth is determined from notes made by geologists who visited the mine during its operation or from drill hole data in ISGS files. Depth generally varies little over the extent of a mine; however, reported depths for an individual mine may vary. Depth for surface-mined coals varies, and is usually represented as a range.



**Thickness** The approximate thickness of the mined seam is shown, if known. Thickness also comes from notes of geologists who visited the mine during its operation or from borehole data in ISGS files. Minimum, maximum, and average thicknesses are given when this information is available.

**Mining method** The principal mining method used at the mine (figs. 1A-H) is listed. See the mining methods section at the beginning of this directory for a discussion of this parameter.

**Geologic problems reported** Any known geologic problems, such as faults, water seepage, floor heaving, and unstable roof, encountered in the mine are reported. This information is from notes made by ISGS geologists who visited the mine, or from reports by mine inspectors published by the Illinois Department of Mines and Minerals, or from the source map(s). Geologic problems are not reported for active mines.

## PRODUCTION HISTORY

**Production history** Tons of coal produced from the mine by each mine owner are totaled. When the source map used for the mine outline is not a final mine map, the tonnage produced since the date of the map is identified. For mines that extend into adjacent quadrangles, the tonnage reported includes areas mined in adjacent quadrangles.

## SOURCE OF DATA

**Source map** This section lists information about the map(s) used to compile the mine outline and the locations of tipples and mine openings. In some cases more than one source map was used. For example, a map drawn before the mine closed may provide better information on original areas of the mine than a later map. When more than one map was used, the bibliography section explains what information was taken from each source.

**Date** The date of the most recent mine survey listed on the source map is reported.

**Original scale** The original scale of the source map is listed. Many maps are photo-reductions and are no longer at their original scale. The original scale gives some indication of the level of detail of the mine outline and the accuracy of the mine boundary relative to surface features. Generally, the larger the scale, the greater the accuracy and detail of the mine map. Mine outlines taken from source maps at scales smaller than 1:24,000 may be highly generalized and may well be inaccurately located with respect to surface features.

**Digitized scale** The scale of the digitized map is reported. The scale may be different from that of the original source map. In many cases the digitized map was made from a photo-reduction of the original source map, or the source map was not in a condition suitable for digitizing and the mine boundaries were transferred to another base map.

**Map type** Source maps are classified into five categories to indicate the probable completeness of the map. See discussion of source maps in the previous section.

**Annotated bibliography** Sources that provide information about the mine are listed, with the data taken from each source. Some commonly used sources are described below. Full bibliographic references are given for all other sources. Unless otherwise noted, all sources are available for public inspection at the ISGS.

**Coal Reports** Published since 1881, these reports contain tabular data on mine ownership, production, employment, and accidents. Some volumes include short descriptions made by mine inspectors of physical features and conditions in selected mines.

**Directory of Illinois Coal Mines** This source is a compilation of basic data about Illinois coal mines, originally gathered by ISGS staff in the early 1950s. Sources used for this directory are undocumented, but they are primarily Illinois Department of Mines and Minerals annual reports, ISGS mine notes, and coal company officials.

**ENR Document 85/01**, Guither, H. D., J. K. Hines, and R. A. Bauer, 1985 The Economic Effect of Underground Mining Upon Land Used for Illinois Agriculture: Illinois Department of Energy and Natural Resources Document 85/01, 185 p.

**Microfilm map** The U.S. Bureau of Mines maintains a microfilm archive of mine maps. A microfilm file for Illinois is available for public viewing at the ISGS.



*Mine notes* ISGS geologists have visited mines or contacted mine officials throughout the state since the early 1900s. Notes made during these visits range from brief descriptions of the mine location to long narratives (including sketches) of mining conditions and geology.

*Federal Land Bank of St. Louis, Preliminary Reports on Subsidence Investigations* Mining engineers working for the Federal Land Bank of St. Louis mapped areas of subsidence due to coal mining in the early 1930s. These reports often include county maps of mine properties with mined-out areas including shaft locations, as well as subsidence areas.

## REFERENCES

Andreas, Lyter & Co. (publishers), 1871, Atlas Map of Fulton County, Illinois, Davenport, Iowa.

Bauer, R. A., B. A. Trent, and P. B. Dumontelle, 1993, Mine Subsidence in Illinois: Facts for the Homeowner Considering Insurance, Illinois State Geological Survey, Environmental Geology Note 144, 16p.

Guither, H. D., J. K. Hines, and R. A. Bauer, 1985, The Economic Effects of Underground Mining Upon Land Used for Illinois Agriculture, Illinois Department of Energy and Natural Resources Document 85/01, 185p.

Ogle (George A.) & Co., 1895, Plat Book of Fulton County, Illinois, published by American Atlas Company, Chicago, Illinois.

Swan, Alonzo M., 1871, Canton: Its Pioneers and History, N. C. Nason Steam Press, Peoria, Illinois, 152p.

Worthen, A. H., H. M. Bannister, F. H. Bradley and H. A. Green, 1870, Geology and Paleontology, Volume IV, Geological Survey of Illinois, State Journal Steam Press, Springfield, Illinois, 508p.



## PART II DIRECTORY OF MINES IN THE CANTON QUADRANGLE

### MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Canton Quadrangle is provided. These summary sheets are arranged numerically by mine index number. Consult Part I for a complete explanation of the data listed in the summary sheet.

#### Mine Index 28

#### Monmouth Coal Company, Brereton Mine

Type: Underground    Total mined-out acreage shown: 885

### SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (8 x 16 ft)	Fulton	7N 4E	11	NE NW NW
Air shaft (8 x 10 ft)	Fulton	7N 4E	11	NW NE NW

### GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	142	4.0	4.67	4.33	RPP

Geologic Problems Reported: The limestone was generally 18 to 24 inches above the coal, but only averaged 6 inches thick. The interval between the coal and limestone was black shale, with 2 to 6 inches of draw slate in some parts of the mine. Some horsebacks and small clay slips were noted. The coal contained some small charcoal bands and streaks of pyrite in thin, discontinuous bands. The floor was 12 to 18 inches of underclay. The mine was dry, which preventing heaving. Large boulders were sometimes found in the floor in the northeastern part of the mine. The bedding planes of the coal arched over the boulders, which had many calcite-filled cracks. The boulders had to be broken up with dynamite.

### PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Monmouth Coal Company	Brereton	1901-1924	<u>3,498,270</u> 3,498,270

Last reported production: April 1924

### SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351587	4-3-1924	1:2400	1:4634	Final

#### Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, shaft sizes.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, shaft location, seam, depth, thickness, geologic problems.

Microfilm map, document 351587, reel 03136, frames 374-377 - Shaft locations, mine outline, mining method.



**Mine Index 31**  
**Saline County Coal Corporation, Saline County No. 22 Mine**

Type: Underground    Total mined-out acreage shown: 1,197

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Slope	Fulton	6N 4E	16	NE SE SW
Air shaft	Fulton	6N 4E	16	NE SE SW
Air shaft	Fulton	6N 4E	16	SE SW SW
Shaft	Fulton	6N 4E	17	W ½ SE NE
Drift	Fulton	6N 4E	18	NW SE NE
Air shaft	Fulton	6N 4E	17	NE NW SE
Air shaft	Fulton	6N 4E	18	NE NE NE *
Air shaft	Fulton	6N 4E	7	NE SE NE *
Air shaft	Fulton	6N 4E	9	SE SW SW

\* Not shown on the accompanying map due to later surface mining

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	45-85	4.67	5.3	5.0	RPP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Big Creek Coal Company	Big Creek No. 2	1904-1919	3,522,335
Big Creek Coal Company	Big Creek No. 22	1919-1923	647,125 **
Saline County Coal Corporation	Saline County No. 22	1923-1928	818,547
			4,988,007

\*\* The Coal Report did not list production in 1922 for mines producing less than 10,000 tons

Last reported production: March 1928

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351682	4-1-1928	1:1200	1:2483	Final
Company, 4103.F8 i5.1-46	4-1-1924	1:1200	1:1200	Not final ***
Microfilm, document 351471	2-1911	1:1200	1:2317	Not final ***
Microfilm, document 351464	5-10-1017	1:1200	1:2069	Not final ***
Company, 4013.F8 i5.1-47	3-4-1925	1:4873	1:4873	Not final ***

\*\*\* The mined area shown on the accompanying map is the approximate size expected for the reported production. This suggests that the mine outline is complete.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Mine notes (Fulton County) - Mine type, mine location, seam, depth, thickness.

Microfilm map, document 351682, reel 03137, frame 47 - Mine outline (northwest), mining method.

Company map, ISGS map library, 4103.F8 i5.1-46, sheets 1-6 - Mine outline (west), shaft, slope and drift locations, geologic problems.

Microfilm map, document 351471, reel 03136, frames 215 & 216 - Mine outline (south central).

Microfilm map, document 351464, reel 03136, frames 202-204 - Mine outline (southeastern).

Company map, ISGS map library 4103.F8 i5.1-47 - Mine outline (south central and southeast), shaft locations.



**Mine Index 114****Canton Coal Company, Canton Mine**

Type: Underground    Total mined-out acreage shown: 762

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (9 x 16 ft)	Fulton	8N 4E	34	SE NW SW
Air / escape shaft	Fulton	8N 4E	34	NE SW SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	108			4.0	RPP

Geologic Problems Reported: The cap rock was 6 to 12 inches of limestone above 24 to 30 inches of black shale. Between the coal and black shale was 4 inches of draw slate. Horsebacks were abundant and bothersome. Because the clay in the horsebacks was difficult to separate from the adjacent coal, much coal was left as refuse. Impurities in the coal included pyrite lenses that were 1/8 inch thick and generally less than 2 feet long.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Canton Coal Company	Canton	1917-1934	<u>3,197,977</u> 3,197,977

Last reported production: October 1934

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351576	2-15-1935	1:2400	1:4966	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, shaft size.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, shaft location, seam, depth, thickness, geologic problems.

Microfilm map, document 351576, reel 03136, frames 358 & 359 - Shaft locations, mine outline, mining method.



**Mine Index 116**  
**Simmons Coal Company, Simmons Mine**

Type: Underground    Total mined-out acreage shown: 297    Production indicates approximately 65 acres were mined after the map date.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	14	SW SW SW
Air shaft	Fulton	7N 4E	14	SW SW SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	121	4.0	4.5	4.33	MRP

Geologic Problems Reported: The mine was said to have two faults, one to the north and one to the south. The description indicated that the features were more likely to be channel remnants than true faults, as the workings ran into sand, gravel, and clay. The cap rock was 4 to 10 inches of limestone, with 18 inches of black shale below. A few horsebacks were noted in the mine. The amount of pyrite in the coal was small, and was present as nodules and lenses.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Simmons Coal Company	Simmons	1907-1919	1,431,533
Simmons Coal Company	Simmons	1919-1925	<u>313,506 *</u>
			1,745,039

\* Production after map date

Last reported production: January 1925

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351695	7-1-1919	1:2400	1:4800	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Shaft location, seam, depth, thickness, geologic problems.  
 Microfilm map, document 351695, reel 03137, frame 64 - Shaft locations, mine outline, mining method.



**Mine Index 704****Truax Traer Coal Company, Red Ember Mine**

Type: Surface    Total mined-out acreage shown: 8,724

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Pit or tipple	Fulton	7N 3E	33	NE NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	25-80			4.5	Surface
Springfield	50-100			3.5-4.5	Surface

Geologic Problems Reported: Clay dikes were noted in the Springfield Coal, one of which extended over 300 feet. The Springfield Coal had some calcite and pyrite on vertical fracture facings. The calcite was moderately abundant on cleat faces.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Truax Traer Coal Company	Fiatt No. 2	1935-1942	4,161,170
Truax Traer Coal Company	Red Ember	1943-1969	39,789,655
			43,950,825

Last reported production: September 1969

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files, 1-32-58	5-1-1945	1:4800	1:4800	Not final
Coal Section files, 1-32-59	5-1-1945	1:4800	1:4800	Not final
Coal Section files, 1-32-57	4-9-1945	1:4800	1:4800	Not final
USGS topographic map	1974	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, mining method.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, mine location, seam, geologic problems.  
 Coal Section files, 1-32-58 - Mine outline (northern).  
 Coal Section files, 1-32-59 - Mine outline (central).  
 Coal Section files, 1-32-57 - Mine outline (southern).  
 USGS 7.5-minute topographic map, Canton Quadrangle, 1974 - Mine outline.



**Mine Index 705****Freeman United Coal Mining Company, Buckheart No. 17 Mine**

Type: Surface    Total mined-out acreage shown: 3,898

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Fulton	6N 4E	24	NE NE SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	45-120			4.5-5.0	Surface

**Geologic Problems Reported:** In some areas, the Pleistocene deposits were within a few feet of the coal, with black shale below, immediately above the coal. Coal balls were common, many over 12 inches long. The coal had no prominent mineral bands, but calcite and kaolinite were abundant on vertical fractures throughout the seam. Pyrite was occasionally present on vertical fractures about 18 inches below the top of the seam in a band that ranged from 12 to 20 inches thick. A horseback was noted in the pit two miles south of the tipple. This part of the mine also had more sphalerite than the pit five miles north of the tipple.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
United Electric Coal Company	Buckheart No. 17	1937-1975	46,597,416
Freeman United Coal Mining Company	Buckheart No. 17	1976-1984	<u>7,352,220</u>
			53,949,636

Last reported production: August 1984

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 1-32-32	6-30-1952	1:4800	1:4800	Not final
Company, 1-29-11	12-31-1968	1:19200	1:19200	Not final
USGS map topographic map	1974	1:24000	1:24000	Secondary source
NAIP digital ortho-photo quadrangle	2015	1:6000	1:6000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, mine location, seam, geologic problems.

Company map, Coal Section files, 1-32-32 - Tipple, mine outline, mining method.

Company map, Coal Section files, 1-29-11 - Mine outline (northern pit, extension of SW pits).

USGS 7.5-minute topographic map, Canton Quadrangle, 1974 - Mine outline.

National Agriculture Imagery Program map, digital ortho-photo quadrangle map - Mine outline.



**Mine Index 737**  
**Eagle Mining Company, Eagle Mine**

Type: Underground    Total mined-out acreage shown: 377    Production indicates approximately 15 acres were mined after the map date.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	32	SW SE SE
Air shaft	Fulton	7N 4E	32	SW SE SE
Air shaft	Fulton	6N 4E	5	NW NE SE
Air shaft	Fulton	6N 4E	4	NW NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	95	4.0	5.5	4.83	MRP

**Geologic Problems Reported:** The cap rock was limestone that ranged from 6 to 24 inches thick. Black shale (12 to 14 inches thick) lay between the limestone and the coal. The lower 2 to 3 inches was similar to draw slate, but stayed up better, adhering to and not distinguishable from the black shale. When it did come down, the black shale was exposed to moisture-laden air, and would come down easily. The roof contained many irregularly-shaped concretions, which would come down, bringing roof down with it. The roof conditions were not good in general. Horsebacks were present, perhaps as commonly as every 25 feet, but they were generally less than 4 inches thick. Persistent partings were noted in the coal. Clay partings were 8, 14, and 22 inches below the top of the seam. A pyrite parting was seen 35 inches below the top, which in some places was enlarged to a pyrite ball up to 6 inches thick. Pyrite was also present as nodules and discontinuous lenses, most commonly near horsebacks.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
W. E. Foley	Foley	1903-1904	31,390
Foley Coal Company	Foley	1904-1905	40,225
Eagle Mining Company	Eagle	1905-1920	1,494,798
Eagle Mining Company	Eagle	1920-1921	61,777 *
			1,628,190

\* Production after map date

Last reported production: April 1921

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351572	7-14-1920	1:2400	1:4469	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, shaft location, seam, depth, thickness, geologic problems.  
 Microfilm map, document 351572, reel 03136, frames 350 & 351 - Shaft locations, mine outline, mining method.



**Mine Index 738****United Electric Coal Mining Company, Cuba Mine**

Type: Surface Total mined-out acreage shown: 7,225 in an outline that includes areas mined by Little Sister Mine (mine index 674), United Electric No. 9 Mine (mine index 738), and Triple S Mine (mine index 2148). Production indicates United Electric No. 9 Mine would have mined approximately 4,550 acres.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Fulton	6N 3E	28	SW SW SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	47-73			4.75-5.6	Surface

Geologic Problems Reported: Horsebacks were common and the clay-rich contents of the horseback-rich areas were separated from the loaded coal in the pit. Rolls were common, as were concretions in the roof material. The coal contained numerous shale partings, bone coal bands, and pyrite lenses, usually less than 1 inch thick.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
United Electric Coal Company	Cuba, or United Electric No. 9	1923-1971	<u>31,626,286</u> 31,626,286

Last reported production: May 1971

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files, 1-29-9	12-31-1968	1:19200	1:19200	Not final
USGS topographic map	1947, PR 1979	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, mine location, seam, depth, thickness, geologic problems.

Company map, Coal Section files, 1-29-9 - Mine outline, mining method.

USGS 7.5-minute topographic map, Lewistown Quadrangle, 1947, photorevised 1979 - Mine outline.



**Mine Index 850**  
**Pschirrer Coal Company, Pschirrer Mine**

Type: Underground    Total mined-out acreage shown: 8 in the Herrin Coal, 245 in the Springfield Coal

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	3	SE NE SE
Air shaft	Fulton	7N 4E	3	SW NE SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin (1959-1961)	81			4.33-4.5	MRP
Springfield	150			4.17-4.67	RPP

Geologic Problems Reported: The Springfield Coal had calcite and pyrite along fracture facings.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Pschirrer & Sons Coal Company	Pschirrer No. 2	1936-1936	45,084
Pschirrer & Sons Coal Company	Kildee No. 3	1937-1959	1,809,266
Pschirrer Coal Company	Pschirrer (No. 6 coal)	1960-1961	21,016
			<u>1,875,366</u>

Last reported production: April 1961

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351661	7-1-1961	1:2400	1:4303	Final
Microfilm, document 351660	4-1-1959	1:2400	1:4635	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, shaft location, seam, depth, geologic problems.  
 Microfilm map, document 351661, reel 03137, frame 25 - Shaft locations, mine outline, mining method (Herrin Coal).  
 Microfilm map, document 351660, reel 03137, frames 23 & 24 - Shaft locations, mine outline, mining method (Springfield Coal).



**Mine Index 890**  
**Consolidation Coal Company, Norris Mine**

Type: Surface    Total mined-out acreage shown: 1,442 in the Herrin Coal, 3,517 in the Springfield Coal

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Fulton	7N 4E	4	NE NE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	30-80			4.25	Surface
Springfield	50-110			2.67-4.5	Surface

Geologic Problems Reported: Clay-filled slips were seen in the Herrin Coal. Calcite, kaolinite and pyrite were seen on cleats in the Springfield Coal. Clay dikes were common in the Springfield Coal in some pits, most of which penetrate the whole of the seam. A major clay dike was found about every 50 feet, with several smaller ones in the same interval. Pyrite nodules were seen at the contact between the Springfield Coal and the overlying black shale but otherwise, the upper 2 feet of coal was largely free of visible pyrite. Pyritic coal balls were seen in the middle of the Springfield seam, as well as heavy pyritic cleat fillings. These were of irregular shape and size, the largest being 1.5 feet by 0.3 feet. Pyritized kettle bottoms were noted, some with clay slips nearby.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Truax Traer Coal Company	Norris	1969-1970	2,318,680
Consolidation Coal Company	Norris	1971-1980	8,122,120
			10,440,800

Last reported production: 1980

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.F8 i5.1-73	1-1-1979	1:12000	1:12000	Not final
ISGS map library, 4103.F8 i5.1-74	1984	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, tipple location, seams, geologic problems.  
 ISGS map library, 4103.F8 i5.1-73 - Mine outline, tipple location, mining method.  
 ISGS map library, 4103.F8 i5.1-74, mine outline drawn on Canton Quadrangle (1:24,000, 1974) base map - Mine outline.



**Mine Index 2149**  
**Canton Coal Company, Drakes Mine**

Type: Underground    Total mined-out acreage shown: 381

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	6N 4E	3	NE SE NE
Air / escape shaft	Fulton	6N 4E	3	SE NE *

\* The location of the original air / escape shaft is not known, and is not shown on the accompanying map. A new air shaft was constructed in 1912, about a mile west of the hoist shaft. That location is too vague to use as a point location, and is also not shown on the accompanying map, but is most likely in the W ½ NW 3-T6N-R4E.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	56		5.0	4.83	RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Canton Coal Company	Drakes	1906-1915	<u>1,417,291</u> 1,417,291

Last reported production: May 1915

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files, 1-19-12	3-14-1947	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, new air shaft location.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, shaft location, seam, depth, thickness.  
 Coal Section files, 1-19-12, property map of United Coal Company - Mine outline.



**Mine Index 2150****Nebergall Coal Company, Nebergall No. 2 Mine**

Type: Surface    Total mined-out acreage shown: None; production indicates less than 1 acre was mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Pit or tipple	Fulton	6N 4E	4	NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	20-25			4.67-5.0	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Nebergall Coal Company	Nebergall No. 2	1961-1961	<u>85</u> 85

Last reported production: 1961

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, mine location, seam, depth, thickness, mining method.



**Mine Index 2151****George A. Hollandsworth, Hollandsworth Mine**

Type: Underground    Total mined-out acreage shown: None; production indicates less than 1 acre was mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	6N 4E	4	NE NW SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	20-25			4.83	Underground

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
George A. Hollandsworth	Hollandsworth	1934-1942	<u>3,156</u> 3,156

Last reported production: 1942

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, slope location, seam, depth, thickness.



**Mine Index 2152****George A. Meacham, Meacham Mine**

Type: Underground    Total mined-out acreage shown: None; production indicates less than 1 acre was mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	6N 4E	4	NW NW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	20			5.0	RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Lindsey & Meacham	Lindsey & Meacham	1935-1935	216
George A. Meacham	Meacham	1936-1937	<u>532</u> 748

Last reported production: 1937

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine location.

Mine Inspector's reports, courtesy of Joe Pelc, IDNR - Mine type, slope location, seam, depth, thickness, mining method.



**Mine Index 2153**  
**Joe H. Wells, Wells Mine**

Type: Underground    Total mined-out acreage shown: 76    Production indicates less than 1 acre was mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Fulton	6N 4E	4	NW NE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	18			5.0	Underground

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
V. O. Dudley & Wells	Dudley & Wells	1933-1934	1,625
Len Savil	Savil	1935-1935	60
Joe H. Wells	Wells	1935-1936	907
Leonard Savill	Savill	1937-1937	157
Joe H. Wells	Wells	1937-1938	544
			3,293

Last reported production: 1938

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:62500	1:62500	Secondary source
Federal Land Bank Report	4-20-1933	1:124800	1:124800	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, drift location, seam, depth, thickness.  
 Federal Land Bank Report (Fulton County) - Mine outline.



**Mine Index 2154****A. McBroom, McBroom Mine**

Type: Underground Total mined-out acreage shown: 1 Production indicates approximately 4 acres were mined. The area shown on the accompanying map was likely taken from a map that was not final.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	6N 4E	8	NE NE NW
Air shaft	Fulton	6N 4E	8	NE NE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	12-60			4.5-5.0	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
McBroom Brothers	McBroom	1899-1905	7,440 *
A. McBroom	McBroom	1905-1909	8,090
			15,530

\* Idle 1903

Last reported production: 1909

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.F8 i5.1-46	4-1-1924	1:1200	1:1200	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, mining method.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine location.

ISGS map library, 4103.F8 i5.1-46, sheet 1, map of Saline County No. 22 Mine (mine index 31) - Slope & shaft locations, mine outline, mining method.

**Mine Index 2155****Nebergall Construction Company, Nebergall No. 3 Mine**

Type: Surface    Total mined-out acreage shown: None; production indicates less than 1 acre was mined.

**SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Pit	Fulton	6N 4E	9	SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	10			4.5-5.0	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Nebergall Construction Company	Nebergall No. 3	1961-1962	<u>103</u> 103

Last reported production: January 1962

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine Inspector's reports	3-1962	1:48000	1:48000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, years of operation, mine type.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, depth, thickness.

Mine Inspector's reports, courtesy of Joe Pelc, IDNR - Mine type, location, seam, depth, thickness, mining method.



**Mine Index 2156****L. W. Saville, Big Creek Mine**

Type: Underground Total mined-out acreage shown: None; production indicates less than 1 acre was mined. The Big Creek Mine is not shown on the accompanying map due to later surface mining by the Cuba Mine (mine index 738).

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Fulton	6N 4E	9	NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield				5.0	Underground

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Scott McGinnis	Big Creek	1937-1939	737
Jesse Williams	Big Creek	1939-1943	1,225
L. W. Saville	Big Creek	1944-1945	906
			2,868

Last reported production: 1945

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, drift location, seam, thickness.

**Mine Index 2157****Tony Tomliovich, Tomliovich Mine**

Type: Underground Total mined-out acreage shown: 3 Production indicates approximately 4 acres were mined after the map date. The Tomliovich Mine was later surface mined by the St. David Mine (mine index 6627) and is not shown on the accompanying map.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Fulton	6N 4E	15	SW NW NW
Air drift	Fulton	6N 4E	15	SW NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	25			4.75-4.83	RPB

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Buckheart Coal & Mining Company	Buckheart	1922-1924	18,663 *
Buckheart Coal & Mining Company	Buckheart	1924-1926	12,900
Tony Tomliovich	Tomliovich	1927-1928	18,097 **
			49,660

\* The 1922-1924 production was from surface mining. Later mining was underground.

\*\* Production after map date.

Last reported production: October 1928

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351582	6-14-1926	1:480	1:480	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, type, thickness, method.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine location, depth, thickness.

Microfilm map, document 351418, reel 03136, frame 53 - Drift locations, mine outline, mining method.



**Mine Index 2158**  
**Joe Traynor, Traynor Mine**

Type: Underground    Total mined-out acreage shown: None; production indicates less than 1 acre was mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	6N 4E	4	NE NE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	15-60			5.0	RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Jerry Yocum	Yocum	1936-1937 *	256
Joe Traynor	Traynor	1938-1940	632 888

\* Idle 1937

Last reported production: 1940

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, slope location, seam, depth, thickness.

Mine Inspector's reports, courtesy of Joe Pelc, IDNR - Depth, mining method.

**Mine Index 2160****Western Coal Company, Western Mine**

Type: Underground    Total mined-out acreage shown: None; production indicates approximately 2 acres were mined. The Western Mine is not shown on the accompanying map due to later surface mining by the Little Sister Mine (mine index 674).

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	6N 4E	15	NE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield					Underground

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Western Coal Company	Western	1936-1936	<u>9,215</u> 9,215

Last reported production: 1936

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section mines database	Undated	(text only)	1:24000 *	Secondary source

\* The mine location was plotted on a 1:24000 USGS topographic map from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, slope location, ownership, years of operation, mine type, seam.



**Mine Index 2161**  
**Albert Zaborac, Zaborac Mine**

Type: Underground    Total mined-out acreage shown: 1    Production indicates less than 1 acre was mined after the map date.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	6N 4E	16	E ½ SW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	50			5.0	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Zaborac Brothers	Zaborac	1934-1934	1,213
Albert Zaborac	Zaborac	1935-1938 *	982
Albert Zaborac	Zaborac	1938-1939	730 **
			2,925

\* Idle 1936

\*\* Production after map date

Last reported production: 1939

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351578	10-12-1938	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, seam, depth, thickness.

Microfilm map, document 351578, reel 03136, frame 363 - Slope location, mine outline, mining method.

**Mine Index 2196**  
**Sugarville Coal Company, Sugarville Mine**

Type: Underground    Total mined-out acreage shown: None; production indicates approximately 6 acres were mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	7N 3E	35	NE NE NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	10			5.0	RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Sugarville Coal Company	Sugarville	1930-1938	17,911 *
Yocum & Utzinger	Yocum & Utzinger	1938-1938	4,623
Sugarville Coal Company	Sugarville	1939-1939	<u>2,800</u>
			25,334

\* Production was not listed from 1930 to 1933 for mines producing less than 1,000 tons per year.

Last reported production: 1939

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, slope location, seam, depth, thickness.  
 Mine Inspector's reports, courtesy of Joe Pelc, IDNR - Mine type, seam, depth, thickness, mining method.



**Mine Index 2198**  
**Rawalt Coal Company, Rawalt Mine**

Type: Underground    Total mined-out acreage shown: 73    Production indicates 8 acres were mined after the map date.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	2	NE NW NW
Air shaft	Fulton	7N 4E	2	NE NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	116			4.0	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Rawalt Coal Company	Rawalt	1935-1945	300,470
Rawalt Coal Company	Rawalt	1945-1946	<u>30,602</u> *
			331,072

\* Production after map date

Last reported production: 1946

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_1223	4-1-1945	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, shaft location, seam, depth, thickness.  
 State archive, MSHA\_1223, courtesy of Robert Gibson, IDNR - Shaft locations, mine outline, mining method.

**Mine Index 2199****Blakley Coal Company, Blakley Mine**

Type: Underground    Total mined-out acreage shown: 220    Much of the Blakley Mine was later surface-mined by the Norris Mine (mine index 890).

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	7N 4E	15	NW NW NE
Old shaft	Fulton	7N 4E	15	NW NW NE
Air shaft	Fulton	7N 4E	15	NW NW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	70			4.5	RPP

Geologic Problems Reported: Eastward advancement in the southeastern part of the mine was halted because of poor roof conditions.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
William Blakley	Blakley	1922-1924	12,640
Blakeley & Culver	Blakeley & Culver	1924-1925	9,504
Blakley Coal Company	Blakley	1926-1942	<u>886,714</u>
			908,858

Last reported production: April 1942

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351584	5-10-1942	1:2400	1:3972	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Slope location.

Microfilm map, document 351584, reel 03136, frame 371 - Slope & shaft locations, mine outline, mining method, geologic problems.



**Mine Index 2200****Clearview Mining Company, Clearview Mine**

Type: Underground Total mined-out acreage shown: 95 Production indicates approximately 22 acres were mined after the map date. Much of the Clearview Mine was later surface-mined by the Norris Mine (mine index 890).

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	7N 4E	15	SE SE NW *
Air shaft	Fulton	7N 4E	15	SE SE NW *

\* Not shown on accompanying map due to later surface mining.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	70-146			4.67	RPP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Clearview Coal Company	Clearview	1924-1927	103,995
Kingsland & Bedwell	Clearview	1928-1928	29,104
Clearview Mining Company	Clearview	1928-1939	263,628
Clearview Mining Company	Clearview	1939-1940	30,906 **
E. Flynn	Clearview	1940-1941	26,819 **
J. L. Smith	Clearview	1941-1941	14,895 **
Clearview Mining Company	Clearview	1942-1943	21,038 **
			490,385

\*\* Production after map date

Last reported production: 1943

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Map library, 4103.F8 i5.1-23	1-1939	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, slope location, seam, depth, thickness.

Map library, 4103.F8 i5.1-23 - Slope & shaft locations, mine outline, mining method.

**Mine Index 2201**  
**Black Eagle Coal Company, Black Eagle Mine**

Type: Underground    Total mined-out acreage shown: 40, with a general area of mining east of the shaft, where the oldest mining may have taken place.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	29	SW NE NW
Air shaft	Fulton	7N 4E	29	SE NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	45-64			4.83	MRP

Geologic Problems Reported: The east-central part of the mine left an area unmined that was labeled "slips, bad roof, water", and an area in the central portion of the mine was also unmined and labeled "slips, bad roof". A few rooms along the western side of the mine had roof falls, and a few rooms in the southeastern part of the mine had water. Southern expansion was prohibited by a "fault" shown on the mine map. (Sometimes faults on mine maps are not structural faults but other geologic features, such as poor roof or contemporaneous channels.)

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
John Vandallia (operator) *	West Locust Street	1916-1930	Unknown *
Black Eagle Coal Company	Black Eagle	1931-1945	<u>108,596</u> 108,596

\* Microfilm map document 351585 shows the 1923 to 1935 mine surveys. John Vandallia and West Locust Street Mine were not listed in the Coal Reports, and production for the years from 1916 to 1930 is not known. See the unlocated mines at the back of this report.

Last reported production: 1945

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351456	3-20-1946	1:600	1:993	Final
Microfilm, document 351585	10-20-1935	1:2400	1:2648	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, shaft location, seam, depth, thickness.  
 Mine Inspector's reports, courtesy of Joe Pelc, IDNR - Depth, opening year.  
 Microfilm map, document 351456, reel 03136, frames 186 & 187 - Shaft locations, mine outline, mining method, geologic problems, thickness.  
 Microfilm map, document 351585, reel 3136, frame 372 - Mine outline (general area of mining on eastern side), mine ownership, mine name.



**Mine Index 2203****Middleton Coal Company, Middleton No. 2 Mine**

Type: Underground Total mined-out acreage shown: None; production indicates approximately 45 acres were mined. Some of the Middleton No. 2 Mine may have later been surface-mined by the Red Ember Mine (mine index 704).

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	33	NE NE SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	60	4.5	5.0	4.75	RP

Geologic Problems Reported: The cap rock was 8 inches of limestone with 18 inches of clod above that. The clod and shale above the limestone contained a great deal of water and where falls occurred, a water problem in the mine resulted. Below the limestone was 12 inches of black shale. In general, the roof was said to be good, with a smooth clean roof left when the coal is removed. However, in the spots where the shale adhered to the coal, the roof was weakened at that spot and all the shale up to the cap rock came down. A few horsebacks were noted, perhaps as many as one every 50 to 75 feet, but they were said to be "not especially troublesome". The coal had thin clay partings, generally about 8 and 20 inches below the top of the seam. Thick plates of pyrite were seen and pyrite balls were noted in the face of several rooms. At the base of the coal was a 1 to 3 inch thick bed of black jack. The black jack was present over about 25% of the mine, and was composed of soft carbonaceous shale and coal, with lenses of pyrite up to about 1 inch thick. This layer of black jack came up with the coal and had to be separated by the miner.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
W. S. Middleton	Middleton No. 2	1914-1916	9,600
Middleton Coal Company	Middleton No. 2	1916-1923	<u>182,865</u>
			192,465

Last reported production: March 1923

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes (G. H. Cady)	7-29-1918	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, shaft location, seam, depth, thickness, geologic problems.

**Mine Index 2204**  
**Baily Coal Company, Baily Mine**

Type: Underground    Total mined-out acreage shown: None; production indicates less than 1 acre was mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	35	SE NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield					Underground

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Baily Coal Company	Baily	1917-1918	<u>2,100</u> 2,100

Last reported production: 1918

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Fall 1956	(text only)	1:24000 *	Secondary source

\* The mine location description is from a 1956 newspaper article included in the mine notes, at Seventh Avenue and Grant Place. A point was digitized at the intersection as shown on the 1:24000 USGS topographic map. The filling in the abandoned shaft had shifted after heavy rains and an 8-foot pit resulted, which was filled in 1956.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, shaft location, mining method, subsidence problems at shaft.



**Mine Index 2205**  
**Pschirrer & Son Coal Company, Pschirrer No. 1 Mine**

Type: Underground    Total mined-out acreage shown: 86

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	36	NE NE NW
Air shaft	Fulton	7N 4E	36	NE NE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	80			4.67	MRP

Geologic Problems Reported: The mine map indicated that bad top was found along the western side of the mine and just south of the railroad track, as well as along a fault in the south-central part of the mine.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Pschirrer & Son Coal Company	Pschirrer	1924-1925	8,658
Charles Pschirrer	Pschirrer	1925-1925	6,000
Pschirrer & Son Coal Company	Pschirrer No. 1	1926-1936 *	297,546
			312,204

\* Idle 1933

Last reported production: April 1936

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_1208	5-16-1936	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, depth.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Seam, depth, thickness.

State archive, MSHA\_1208, courtesy of Robert Gibson, IDNR - Shaft locations, mine outline, depth, mining method, geologic problems.

**Mine Index 2253**  
**Breeds Coal Company, Breeds Mine**

Type: Underground Total mined-out acreage shown: 487 Production indicates approximately 6 acres were mined after the map date (Springfield Coal). A general area of mining illustrates the mining in the Herrin Coal, as no maps are available for that production.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	8N 4E	34	SE SW SE
Air shaft	Fulton	8N 4E	34	SE SW SE
Escape shaft *	Fulton	8N 4E	34	SW NE SW

\* This may have been the original shaft that was deepened in 1900 from the Herrin Coal to the Springfield Coal. The escape shaft is shown as a hoist shaft symbol on the accompanying map for the Herrin Coal.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin (1883-1899)	112-125			4.0-5.0	RP
Springfield (1900-1928)	166-185	3.75	4.2	4.0	MRP

Geologic Problems Reported: (Springfield Coal): The limestone cap rock ranged from 4 to 12 inches thick, and was 2 to 3 feet above the coal. The interval between the coal and the cap rock was 2 to 3 feet of clod and black shale. The cap rock had cracks, and after it had been exposed for a while, it was "almost impossible" to keep up the limestone where it had cracked. Horsebacks were not very common but caused considerable waste where they were present. Pyrite nodules up to 3 inches thick and 8 inches across were noted. The most important impurity was masses of silica-rich boulders that came up from the floor, some rising up to 3 feet above the floor.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Hart & Brown (lessee)	Vittum	1883-1884	1,200
Taylor Williams	Williams No. 3	1884-1891	214,450
D. H. Williams	Williams	1891-1897	218,031
T. Parcel (lessee)	Williams	1897-1898	7,720
Norris Coal Company (Herrin Coal)	Norris	1898-1899	20,253
Norris Coal Company (Springfield Coal)	Norris	1899-1915	1,640,951
Genuine Norris Coal Mining Company	Genuine Norris	1916-1919	299,511
Quigley Coal Mining & Sales Company	Quigley	1919-1922	44,008 **
Middleton Coal Company	Middleton No. 1	1922-1923	21,159
Brons Coal Company	Brons	1923-1925	52,292
Oak Leaf Coal Company	Oak Leaf	1925-1925	855
Middleton Coal Company	Middleton No. 1	1926-1926	15,819
Middleton Coal Company	Middleton No. 1	1926-1926	15,818 ***
Breeds Coal Company	Breeds	1927-1928	11,144 ***
			2,563,211

Note: Mining from 1883 to 1899 was in the Herrin Coal, while later mining was in the Springfield Coal.

\*\* Production was not reported in 1922 for mines producing less than 10,000 tons.

\*\*\* Production after map date

Last reported production: 1928

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351569	3-27-1926	1:1200	1:2317	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, depth, thickness, mining method.

Mine notes (Fulton County) - Seam, depth, thickness, geologic problems.

Microfilm map, document 351569, reel 03136, frames 344 & 345 - Shaft locations, mine outline, mining method.



**Mine Index 2515**  
**Albert Zaborac, Zaborac Mine**

Type: Underground Total mined-out acreage shown: 3 The area shown on the accompanying map is larger than expected for the reported production. Production indicates less than 1 acre was mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Fulton	6N 4E	16	NW NE SE
Escape drift	Fulton	6N 4E	16	NW NE SE
Air shaft	Fulton	6N 4E	16	NW NE SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield					MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Albert Zaborac	Zaborac	1929-1933	<u>5,525</u> *
			5,525

\* Production was not reported for mines producing less than 1,000 tons in 1930.

Last reported production: 1933

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351578	8-4-1934	1:1200	1:993	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Microfilm map, document 351578, reel 03136, frame 364 - Drifts & shaft locations, mine outline, mining method.

**Mine Index 3260****Peterson Coal Company, Sugarville Mine**

Type: Surface Total mined-out acreage shown: None; production indicates approximately 1 acre was mined. The Sugarville Mine was later enlarged by the Red Ember Mine (mine index 704).

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Pit or tipple	Fulton	7N 3E	25	NW SE SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	22			5.0	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Peterson Coal Company	Sugarville	1935-1937	<u>8,360</u> 8,360

Last reported production: 1937

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, mine location, seam, depth, thickness, mine name, mining method.



**Mine Index 4165****Walter Richards Coal Company, Richards No. 2 Mine**

Type: Surface Total mined-out acreage shown: None; production indicates approximately 5 acres were mined. A portion of the area shown on the accompanying map as the St. David Mine (mine index 6627) may have been mined by the Richards No. 2 Mine.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Pit or tipple	Fulton	6N 4E	16	NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	15-20			5.0	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Walter Richards Coal Company	Richards No. 2	1958-1969	<u>40,518</u> 40,518

Last reported production: 1969

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine inspector reports	Undated	1:4800	1:48000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, mine location, seam, depth, thickness.

Mine Inspectors reports, courtesy of Joe Pelc, IDNR - Mine location, mining method.

**Mine Index 4166****Lingenfelter Coal Company, Lingenfelter No. 2 Mine**

Type: Surface Total mined-out acreage shown: None; production indicates approximately 7 acres were mined. Lingenfelter No. 2 Mine is within the area shown on the accompanying map mined by St. David Mine (mine index 6627).

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Pit	Fulton	6N 4E	9	

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield				5.17	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
S. & L. Coal Company	S. & L.	1952-1952	5,818
Lingenfelter Coal Company	Lingenfelter No. 2	1953-1955	<u>17,923</u>
			23,741

Last reported production: 1955

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine inspector reports	Undated	text only	1:24000 *	Secondary source

\* The mine location was plotted on a 1:24000 USGS topographic map from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine notes (Fulton County) - Mine type, thickness, mining method.

Mine Inspectors reports, courtesy of Joe Pelc, IDNR - Mine location, seam, thickness.

**Mine Index 5017**  
**Egan Brothers, Egan Mine**

Type: Underground Total mined-out acreage shown: 10 The northern part of the mine is not shown on the accompanying map due to later surface mining by the Norris Mine (mine index 890). Production indicates approximately 3 acres were mined after the map date.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	20	SW NE NE
Air shaft	Fulton	7N 4E	20	SW NE NE
Air shaft	Fulton	7N 4E	20	SE NW NE *

\* Not shown on accompanying map due to later surface mining

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	58			5.0	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Spenny Coal Company	Spenny	1916-1918	12,540
Egan Brothers & Burrell	Egan & Burrell	1918-1920	15,844
Egan Brothers	Egan	1920-1926	38,695 **
Egan Brothers	Egan	1926-1929	14,428 ***
			81,507

\*\* Production was not reported in 1922 for mines producing less than 10,000 tons.

\*\*\* Production after map date

Last reported production: 1929

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_1233	5-15-1926	1:2400	1:2400	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, type, seam, depth, thickness, mining method.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 State archive, MSHA\_1233, courtesy of Robert Gibson, IDNR - Shaft locations, mine outline, mining method.



**Mine Index 5125**  
**C. D. Huggins, Huggins Mine**

Type: Underground    Total mined-out acreage shown: None; production indicates less than 1 acre was mined.

**SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	6N 4E	4	SW NE NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	20-50			5.0	RP

Geologic Problems Reported: A few horsebacks were reported, and concretions at the top of the coal were "not rare".

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
L. D. Huggins	Huggins	1906-1910 *	2,800
C. D. Huggins	Huggins	1910-1911	830
			3,630

\* Idle 1910

Last reported production: 1911

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (T. E. Savage)	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, mining method.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

ISGS field notes (Fulton County) - Mine type, slope location, depth, thickness, mine name, geologic problems.

**Mine Index 5126****W. S. Middleton, Middleton No. 1 Mine**

Type: Underground    Total mined-out acreage shown: None; production indicates approximately 6 acres were mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Fulton	6N 4E	4	NE NE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield				4.67-5.0	Underground

Geologic Problems Reported: A few horsebacks were noted in the mine, as well as concretions.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Wages & Burbridge	Wages & Burbridge	1905-1906	1,424
Ed Wages	Wages	1906-1909	3,868
Ames Wages	Wages	1909-1911	7,920
Landis & Wages	Landis & Wages	1911-1912	5,720
W. D. Landis	Landis	1912-1914	4,392
W. S. Middleton	Middleton No. 1	1914-1915	1,890
			25,214

Last reported production: 1915

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (T. E. Savage)	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

ISGS field notes (Fulton County) - Mine type, drift location, thickness, mining method, geologic problems.

**Mine Index 5127**  
**Ralph L. Wade, Wade Mine**

Type: Underground    Total mined-out acreage shown: None; production indicates approximately 5 acres were mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Fulton	6N 4E	4	NE SE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	50-75			4.67-5.0	RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Sylvester Wade	Wade	1913-1916	1,935
Ralph L. Wade	Wade	1916-1926	<u>19,682</u> *
			21,617

\* Production was not reported in 1922 for mines producing less than 10,000 tons.

Last reported production: 1926

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (T. E. Savage)	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, mining method.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

ISGS field notes (Fulton County) - Mine type, slope location, seam, thickness.



**Mine Index 5129**  
**A. J. Taylor, Taylor Mine**

Type: Surface    Total mined-out acreage shown: None

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Pit or tipple	Fulton	6N 4E	18	NE NW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	8			5.2	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
A. J. Taylor	Taylor	circa 1906	Unknown

Last reported production:

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (T. E. Savage)	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 ISGS field notes (Fulton County) - Mine type, mine location, seam, depth, thickness, mining method.

**Mine Index 5149**  
**E. P. Moran, Moran Mine**

Type: Underground    Total mined-out acreage shown: 1

**SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Fulton	6N 4E	16	NE SE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	25-60			4.5-5.0	RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
E. P. Moran	Moran	1902-1905	<u>3,110</u> 3,110

Last reported production: 1905

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351464	5-10-1917	1:1200	1:2069	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, mining method.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, drift location, seam, depth, thickness.  
 Microfilm map, document 351464, reel 03136, frame 203, map of Saline County No. 22 (mine index 31) - Drift location.

**Mine Index 5179**  
**Charles Golick, Golick Mine**

Type: Underground    Total mined-out acreage shown: None; production indicates approximately 8 acres were mined.

**SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	34	SW NW SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	22			4.5-5.0	RP

Geologic Problems Reported: The roof consisted of 1.5 to 2.0 feet of black shale with concretions.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
W. E. Anderson	Anderson	1902-1907	16,539
Anderson & Seville	Anderson & Seville	1907-1910	2,760
W. C. Anderson	Anderson	1910-1913	5,850
Charles Golick	Golick	1913-1916	<u>6,910</u>
			32,059

Last reported production: 1916

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (T. E. Savage)	1906	(text only)	1:24000 *	Secondary source

\* The mine location was plotted on a 1:24000 USGS topographic map from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 ISGS field notes (Fulton County) - Mine type, shaft location, seam, depth, thickness, geologic problems.



**Mine Index 5223****Canton Union Coal Company, Canton Mine**

Type: Underground Total mined-out acreage shown: 24 Production indicates approximately 160 acres were mined. Mining may have extended west (mine index 5222), east (mine index 5224), north (mine index 2203 & 2252), or south (mine index 3574 & 4859).

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Fulton	7N 4E	33	SW NE SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	40-85			4.0-5.0	RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Canton Coal Company	Old Shaft	pre1881-1882	24,544
A. Heald	Heald	1882-1894	315,631
Canton Union Coal Company	Canton	1894-1906	<u>303,401</u>
			643,576

Last reported production: 1906

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Plat Book of Fulton County, Illinois	1895	1:48000	1:48000	Secondary source
Federal Land Bank Report	4-20-1933	1:124800	1:124800	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness, mining method.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 George A. Ogle & Co., *Plat Book of Fulton County, Illinois* (1895) - Shaft location.  
 Federal Land Bank Report (Fulton County) - Mine outline.

**Mine Index 5267****Jackman Coal & Trucking Company, Jackman Mine**

Type: Surface    Total mined-out acreage shown: None; production indicates approximately 1 acre was mined.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Pit	Fulton	6N 4E	4	

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield				4.5	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
White Ash Coal & Trucking Company *	White Ash	1947-1947	3,600
Jackman Coal & Trucking Company	Jackman	1947-1947	825
			4,425

\* Operated by Orville Jackson & Donald Wright

Last reported production: 1947

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine Inspector's report	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.

Mine Inspectors report, courtesy of Joe Pelc, IDNR - Mine type, mine location, seam, thickness, mining method.

**Mine Index 5290****William Jordan, Jordan Mine**

Type: Underground Total mined-out acreage shown: 6 Production indicates approximately 1 acre was mined. The area shown on the accompanying map is a general area of mining, and is larger than expected for the reported production.

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Fulton	6N 4E	16	NE SW NE
Air drift	Fulton	6N 4E	16	NE SW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	20-50			4.5-5.0	RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
William Christian	Christian	1891-1893	600
William Jordan	Jordan	1893-1905 *	<u>2,955</u>
			3,555

\* Idle 1895

Last reported production: 1905

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351464	5-10-1917	1:1200	1:2069	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness, mining method.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Microfilm map, document 351464, reel 03136, frame 203, map of Saline County No. 22 (mine index 31) - Drift locations, mine outline, mining method.



**Mine Index 6627****Truax Traer Coal Company, St. David Mine**

Type: Surface    Total mined-out acreage shown: 786

**SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS**

Type	County	Township-Range	Section	Quarters-Footage
Old tipple *	Fulton	6N 4E	16	SW SW SE
New tipple *	Fulton	6N 4E	21	SE NE SW

\* The mine notes and source map indicate that the tipple of Saline County No. 22 Mine (mine index 31), was used to ship coal in the early years of production. In later years, the tipple for the Little Sister Mine (mine index 674), also operated by Truax Traer Coal Company, was used to ship the coal.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)		Mining Method
		Min	Max	
Springfield	38-45		4.5	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Truax Traer Coal Company	St. David	1929-1942	5,233,199 5,233,199

Last reported production: September 1942

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.F8 i5.1-8	3-28-1946	1:4800	1:4800	Not final **
Microfilm, document 351460	8-1-1937	1:4800	1:7945	Final

\*\* The St. David Mine production ceased in 1942, yet the map indicates the pit was actively worked until at least 1946. Presumably, the production for the intervening years was reported under Little Sister Mine (mine index 674), and the map is not final for the Little Sister Mine operating and production years.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.  
 Directory of Illinois Coal Mines (Fulton County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Fulton County) - Mine type, mine location, seam, depth, thickness.  
 Company map, ISGS map library, 4103.F8 i5.1-8 - Mine outline (western), tipple locations, mining method.  
 Microfilm map, document 351460, reel 03136, frame 192 - Mine outline (eastern).

## OTHER MINES SHOWN ON CANTON QUADRANGLE

Mine Index 2252, Baxter Mine NW NW SE 33-T7N-R4E, slope, Springfield Coal source: Coal Section files, 1-19-12 (property map of United Coal Company, 3-14-1947)

Mine Index 2938 NE NW 3-T6N-R4E, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 3104 SE SW SE 4-T7N-R4E, drift, Herrin Coal source: ISGS field notes (T. E. Savage, undated)

Mine Index 3346 NW SW NE 15-T7N-R4E, drifts, Herrin Coal source: ISGS field notes (T. E. Savage, undated)

Mine Index 3574 S ½ SW SE 33-T7N-R4E, drift, Springfield Coal source: George A. Ogle & Co., *Plat Book of Fulton County, Illinois* (1895)

Mine Index 4790 SE NW 33-T7N-R4E, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 4801 NE NW NW 3-T6N-R4E, shaft, Springfield Coal source: George A. Ogle & Co., *Plat Book of Fulton County* (1895)

Mine Index 4824 NW NE NE 14-T6N-R4E, drift, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 4826 SE NW 14-T6N-R4E, drift, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 4859 SW SE SE 33-T7N-R4E, drift, Springfield Coal source: George A. Ogle & Co., *Plat Book of Fulton County, Illinois* (1895)

Mine Index 5082 \* NW NW NE 12-T6N-R3E, shaft, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5128 NE NW SE 4-T6N-R4E, drift, Springfield Coal source: ISGS field notes (T. E. Savage, undated)

Mine Index 5140 NE NE SE 26-T7N-R3E, drift, Springfield Coal source: Andreas, Lyter & Co., *Atlas Map of Fulton County* (1871)

Mine Index 5141 \* NW SW NW 25-T7N-R3E, drift, Springfield source: Andreas, Lyter & Co., *Atlas Map of Fulton County* (1871)

Mine Index 5142 \* NW NW NE 18-T6N-R4E, drift, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5143 \* SE NE NW 8-T6N-R4E, drift, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5144 \* SE SE SW 7-T6N-R4E, drift, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5145 \* SE SE NE 26-T7N-R3E, drift, Springfield Coal source: Andreas, Lyter & Co., *Atlas Map of Fulton County* (1871)

Mine Index 5171 \* NW SW NW 25-T7N-R3E, shaft, Springfield Coal, 25 feet deep, 5.67 feet thick source: ISGS field notes (T. E. Savage, undated)

Mine Index 5174 SW NW SW 12-T7N-R4E, drift, Herrin Coal source: ISGS field notes (T. E. Savage, undated)

Mine Index 5175 NW NW SW 12-T7N-R4E, drift, Herrin Coal source: ISGS field notes (T. E. Savage, undated)

Mine Index 5176 \* NW NE NE 16-T7N-R4E, shaft, Springfield Coal source: ISGS field notes (T. E. Savage, undated)

Mine Index 5177, Waterlily Mine SW SE SW 28-T7N-R4E, slope, Springfield Coal, 50 feet deep, 4.67 feet thick source: ISGS field notes (T. E. Savage, 1906) & Federal Land Bank Report (4-20-1933)

Mine Index 5178 SE SE NW 28-T7N-R4E, shaft, Springfield Coal, 69 feet deep source: ISGS field notes (T. E. Savage, 1906)

Mine Index 5213 SW SW SE 10-T7N-R4E, Herrin Coal source: Coal Section mines database (undated)

Mine Index 5214 SE NE SW 15-T7N-R4E, drift, Herrin Coal source: ISGS field notes (T. E. Savage, undated)

Mine Index 5215 NW NW SW 21-T7N-R4E, drift, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5216 NW NW NE 22-T7N-R4E, shaft, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5217 SE SE NE 28-T7N-R4E, underground, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5218 SW NE SW 28-T7N-R4E, shaft, Springfield Coal source: Federal Land Bank Report (4-20-1933) and on ISGS map library 4107 d5-20, sheet 1 (Canton 15-minute Quadrangle base used as a work map for field work of T. E. Savage and D. J. Fisher)

Mine Index 5219 SE NW SW 28-T7N-R4E, Springfield Coal source: George A. Ogle & Co., *Plat Book of Fulton County, Illinois* (1895)

Mine Index 5220 SW SE SE 5-T6N-R4E, drift, Springfield Coal source: ISGS field notes (T. E. Savage, undated)

Mine Index 5221 SW NE NE 29-T7N-R4E, shaft, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5222 SE SW SW 33-T7N-R4E, shaft, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5224 S ½ NW SE 33-T7N-R4E, shaft, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5263 SW SE SW 33-T7N-R4E, drift, Springfield Coal source: George A. Ogle & Co., *Plat Book of Fulton County, Illinois* (1895)

Mine Index 5291, Bach (Thomas) Mine \* NW NW NW 36-T7N-R3E, slope or drift, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 5613 NE SE NW 16-T6N-R4E, drift, Springfield Coal source: ISGS map library, 4103.F8 i5.1-47 (map of Saline County No. 22 Mine, mine index 31, 3-4-1925) and microfilm map, document 351464 (map of Saline County No. 22 Mine, mine index 31, 5-10-1917)

Mine Index 5659 NW NW NE 16-T6N-R4E, drift, Springfield Coal source: ISGS map library, 4103.F8 i5.1-47 (map of Saline County No. 22 Mine, mine index 31, 3-4-1925) and microfilm map, document 351464 (map of Saline County No. 22 Mine, mine index 31, 5-10-1917)

Mine Index 6614 NE SE 33-T7N-R4E, circa 1870, Springfield Coal source: Coal Section files, 1-19-12 (property

map of United Coal Company, 3-14-1947)

Mine Index 6615 NW NW SW 34-T7N-4E, circa 1870, shaft, Springfield Coal source: Coal Section files, 1-19-12 (property map of United Coal Company, 3-14-1947) & George A. Ogle & Co., *Plat Book of Fulton County, Illinois* (1895)

Mine Index 6616, Piper Mine 15-T7N-R4E, Springfield Coal, 1859 source: A. H. Worthen et al. (1870)

Mine Index 6624 NE SE NW 4-T6N-R4E, drift, Springfield Coal source: ISGS map library, 4107 d5-20, sheet 1 (Canton 15-minute Quadrangle base used as a work map for field work of T. E. Savage and D. J. Fisher)

Mine Index 6625 \* SW NW NE 9-T6N-R4E, shaft, Springfield Coal source: Federal Land Bank Report (4-20-1933)

Mine Index 6626 SW SE SW 9-T6N-R4E, drift, Springfield Coal source: : ISGS map library, 4103.F8 i5.1-47 (map of Saline County No. 22 Mine, mine index 31, 3-4-1925) and microfilm map, document 351464 (map of Saline County No. 22 Mine, mine index 31, 5-10-1917)

Mine Index 6629, David Williams SW 34-T7N-R4E, Springfield Coal, 85 feet deep, 5 feet thick source: A. H. Worthen et al. (1870)

\* Not shown on accompanying map due to later surface mining



## MINES WHOSE LOCATIONS ARE NOT KNOWN, CANTON QUADRANGLE

The locations of the following mines are unknown, but the production tonnage, operating names, and nearest town were reported in the Annual Coal Reports. The operators listed below mined in or near the Canton Quadrangle. The information shown is similar to that presented on the summary sheets in the previous pages of this directory. The first item is the name the mine operated under as listed in the Coal Report, then the years the mine reported. If no physical data are available, the next item listed is the total tons produced by the mine. If physical data are available, the order of presentation is as follows: type of opening for the mine (drift, slope or shaft), depth of coal in feet, and thickness of coal in feet.

The total tons mined by these unlocated mines is 2,724,999 (2,114,898 underground; 304,070 surface mined; 306,031 mined by uncertain method), which would represent approximately 517 to 785 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

### BRERETON

Whitman (John), 1905-1906, slope, Herrin, 50, 4.0, RP	32 tons
Hand (Chester), 1925-1925	42 tons

### BUCKHART TOWNSHIP

Hall (H.), 1883-1884, surface	240 tons
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### CANTON

J. & J. Coal Company, 1951-1953, surface, Springfield, 30, 4.67	134,031 tons	mine index 4981
Brown (William) Coal Company, 1939-1943, drift, Springfield, —, —	8,084 tons	mine index 4998
Coperus Creek Coal Company, 1947-1948, underground	1,500 tons	mine index 4999
Copper Creek Coal Company, 1949-1951	<u>5,515</u> tons 7,015 tons	
Collins (Elmer) & Low (Allen), 1940-1940, drift, Springfield, —, 6.0, RP	150 tons	mine index 5004
Collins (Elmer), 1941-1941	<u>213</u> tons 363 tons	
Swords (George), 1933-1935, surface	13,640 tons	mine index 5028
Bayles (D. B.), 1935-1935	<u>6,845</u> tons 20,485 tons	
Canton Coal Company, 1881-1884, shaft, Springfield, 60-80, 4.0-4.83, RP	20,589 tons	
West Canton Coal Company, 1884-1887	21,671 tons	
C. & C. Consolidated Coal & Coke Company, 1887-1889	23,451 tons	
Lukey & Stevens, 1889-1890	3,202 tons	
Lukey (T. H.), 1890-1891	7,736 tons	
Canton Coal Company, 1891-1892	5,832 tons	
West Canton Coal Company, 1892-1893	<u>9,460</u> tons 91,941 tons	
Sunnyside Coal Company, 1881-1882, shaft, Springfield, 30-50, 4.0-4.67, RP	4,000 tons	
Savil (J. & R.), 1882-1883	3,716 tons	
Linden (Pat), lessee, 1883-1884	2,000 tons	
Savil (J. & R.), 1884-1890	<u>15,167</u> tons 24,883 tons	

Jones (L. L.), 1881-1885, drift, Springfield, 35-80, 4.0-5.33, RP	22,435 tons
Wilson, Jones & Company, 1885-1886	1,190 tons
Jones (L. L.), 1886-1888	2,468 tons
Knight & Whitham, 1888-1889	1,739 tons
Whitham (William), 1889-1896	12,088 tons
Wages & Murphy, 1896-1898	2,635 tons
Wager Brothers, 1898-1899	<u>1,230 tons</u>
	43,785 tons
Gallagher & Merrimon, 1883-1884, drift, Springfield, 40, 4.5, RP	1,200 tons
Tyson (Ira), 1884-1885, shaft, Springfield, 30, 4.17-4.75, RP	1,015 tons
Fauts (Martin), 1885-1886	580 tons
Dawson (John), 1886-1888	<u>610 tons</u>
	2,205 tons
Wedge Brothers, 1884-1889, drift, Springfield, 60-70, 4.5, RP	5,686 tons
Bell (Louis), 1884-1887, —, —, 40-57, 4.07-5.0, RP	3,728 tons
Auld (David), 1887-1893	2,930 tons
Duryea (J. W.), 1893-1894	1,400 tons
Timothy & Duryea, 1894-1895	750 tons
Timothy (Michael), 1895-1898	<u>1,275 tons</u>
	10,083 tons
Whitehouse (Isaac), 1884-1889, shaft, Springfield, 45, 4.5, RP	6,553 tons
Johnson (Seymour), 1884-1885, drift, —, 50-60, 4.5-4.83, RP	912 tons
Auts (John), 1885-1886	670 tons
Canthrell (Ed), 1886-1888	<u>1,104 tons</u>
	2,686 tons
Jackson (William), 1884-1886, drift, Springfield, 48-55, 4.67-4.83, RP	1,311 tons
Jackson & Vanslyck, 1886-1888	<u>1,412 tons</u>
	2,723 tons
Smith (Jacob), 1885-1888, drift, Springfield, 30-45, 4.17-4.5, RP	1,030 tons
Bennett (John), 1886-1893, slope, —, 40-60, 4.0-4.5, RP	5,736 tons
Bennett Brothers & Company, 1893-1896	980 tons
Bennett (Nicholas) & Son, 1896-1897	<u>700 tons</u>
	7,416 tons
Savil (Charles A.), 1886-1893, drift, Springfield, 25-40, 4.07-5.0, RP	2,386 tons
Smith (Robert), 1893-1895	1,470 tons
Saviele (Charles A.), 1895-1896	Unknown
Fuller (John), 1896-1898	<u>750 tons</u>
	4,606 tons
Jardine (John), 1886-1889, slope, Springfield, 40, 4.17, RP	748 tons
Williams (Jesse), 1886-1890, shaft, Springfield, 30, 4.75, RP	4,107 tons
Minett & Stephens, 1886-1888, slope, Springfield, 19-60, 4.07-5.0, RP	960 tons
Minett (John), 1888-1889	400 tons
Minnett (Charles), 1889-1899	<u>6,534 tons</u>
	7,894 tons
Hughs (William), 1887-1889	490 tons
Canton Coal & Gas Company, 1887-1895	67,287 tons
Canton Coal Company, 1895-1906	<u>204,029 tons</u>
shaft, Springfield, 43-87, 4.5-5.0, RP	271,316 tons
Alwood (James), 1888-1889, shaft, —, 30-60, 4.33-4.5, RP	260 tons

Alward (Frank), 1889-1896	9,156 tons
Peck & Miller, 1896-1897	886 tons
Peck & McClure, 1897-1898	1,000 tons
Peck (E. E.), 1898-1902	<u>7,330 tons</u>
	18,632 tons
Anderson (William), 1889-1891, drift, Springfield, 40-50, 4.5-4.67, RP	1,384 tons
Hall & Russell, 1891-1893	1,101 tons
Root & Waddell, 1893-1894	120 tons
Waddell (Oscar), 1894-1896	1,200 tons
Bennet & Hollinsworth, 1896-1897	750 tons
Solenberger & Tygert, 1897-1898	700 tons
Hollinsworth (George), 1898-1899	<u>1,240 tons</u>
	6,495 tons
Linden (Patrick), 1889-1899, drift, Springfield, 50-60, 4.5-4.67, RP	8,913 tons
Grover (J. W.) & Son, 1890-1893, shaft, Springfield, 40-87, 4.5-5.0, RP	7,180 tons
Terrel (Albert), 1893-1894	1,600 tons
Gardner & Plenty, 1894-1896	2,570 tons
Gardner & Company, 1896-1897	1,600 tons
Parcell (Thomas), 1897-1903	<u>16,350 tons</u>
	29,300 tons
Jones (L. L.), 1890-1891, drift, Springfield, 51, 4.67, RP	820 tons
David (Thomas), 1892-1893, shaft, Springfield, 20-25, 4.67-4.83, RP	310 tons
Nevitt & Kennedy, 1893-1895	1,734 tons
Nevitt (William), 1895-1896	<u>Unknown</u>
	2,044 tons
Swanson (John), 1893-1895, shaft, Springfield, 55-60, 4.5-4.67, RP	1,500 tons
Stickler (H. W.), 1895-1898	<u>2,445 tons</u>
	3,945 tons
Scanlan (Charles), 1893-1902, drift, Springfield, 40-75, 4.5-4.67, RP	7,570 tons
Harris (Oliver), 1893-1899, drift, —, 40-50, 4.5-5.0, RP	1,845 tons
Mammon (Lewis), 1895-1902, slope / drift, Springfield, 50-60, 4.5-4.67, RP	7,026 tons
Hughes (William) & Son, 1893-1894, shaft / drift, —, 35-50, 4.67, RP	780 tons
Peterson & Dawson, 1894-1895	900 tons
Clark & Peterson, 1895-1896	<u>Unknown</u>
	1,680 tons
Black Diamond Coal Company, 1894-1895	450 tons
Williams (Jes.), 1895-1896	Unknown
Wynn (George), 1896-1898	<u>815 tons</u>
slope / shaft, —, 40-70, 4.0-5.0, RP	1,265 tons
Martin (James), 1895-1897, drift, Springfield, 25-40, 4.0-4.5, RP	Unknown
Martin (John), 1897-1898	850 tons
Lafley & Lloyd, 1895-1896, drift, —, 25, 4.0, RP	Unknown
Haywood (Joseph), 1895-1896, drift, —, 30, 4.67, RP	Unknown
Hughes (William B.), 1895-1902, drift, Springfield, 40-60, 4.5-4.67, RP	2,490 tons
Murphy Brothers, 1898-1903, drift, Springfield, 30-60, 4.5-5.0, RP	9,288 tons
Murphy (William H.), 1903-1907	<u>2,725 tons</u>
	12,013 tons
Howat Brothers, 1898-1902, shaft, Springfield, 60-80, 4.5, RP	15,390 tons



Chepping (William), 1898-1899, drift /slope, Springfield, 25-80, 4.5-5.0, RP	1,000 tons
Chipping & Martin, 1899-1902	7,976 tons
Martin (John) & Son, 1902-1907	<u>3,440 tons</u>
	12,416 tons
Savill (Jesse), 1899-1900, —, —, 50, 4.5, RP	1,600 tons
Savill (C. A.), 1899-1900, —, —, 60, 4.5, RP	720 tons
Ashby (Samuel), 1899-1902, drift, Springfield, 60, 4.5, RP	4,120 tons
Barere (G. K.), 1899-1903, drift, Springfield, 20-60, 4.5-5.0, RP	6,830 tons
Durham (Simeon), 1900-1901, slope, Springfield, 65, 4.5, RP	1,280 tons
Nayler (J.), 1901-1902	<u>2,160 tons</u>
	3,440 tons
Rouk (G. H.), 1900-1902, slope, Springfield, 70, 4.5, RP	990 tons
McLaughlin (Joseph), 1900-1925, —, Springfield, 8-80, 4.0-5.0, RP	139,640 tons
Newsam (Thomas), 1926-1926	1,080 tons
Cuba Coal Company, 1927-1928	<u>3,302 tons</u>
	144,022 tons
Everly (A. M.), 1902-1905, shaft, Springfield, 25-44, 4.5-5.0, RP	8,550 tons
Westerfield (C. W.), 1902-1909, —, Springfield, 35-120, 4.5-5.0, RP	16,697 tons
Standard Coal Company, 1903-1905, shaft, Springfield, 60-70, 4.5-6.0, RP	19,004 tons
Standard Cooperative Coal Company, 1905-1907	<u>14,156 tons</u>
	33,160 tons
Stokes & Lee, 1903-1905, shaft, Springfield, 25, 4.5-5.0, RP	3,960 tons
Stokes (William), 1905-1906, drift, Springfield, 30, 4.5, RP	600 tons
Martain & Peterson, 1903-1905, drift, Springfield, 20-30, 4.5-5.0, RP	270 tons
Alward (Frank), 1905-1906, slope, Springfield, 20, 4.5, RP	3,200 tons
Anderson, Seville & Slocker, 1905-1906, shaft, Springfield, 24, 4.5, RP	2,000 tons
Haynes (John), 1905-1906, drift, Springfield, 40, 4.5, RP	800 tons
Green (Hen. B.), 1905-1906, shaft, Springfield, 20, 4.5, RP	624 tons
Wages (Jacob), 1905-1906, —, Springfield, 6, 4.5	400 tons
Joy (C. F.), 1905-1906, drift, Springfield, 45, 4.5, RP	360 tons
Baylor (H. W.), 1905-1906, drift, Springfield, 45, 4.5, RP	220 tons
Woodcock (E. D.), 1905-1909, drift, Springfield, 40-50, 4.5-5.0, RP	840 tons
Gillett (John), 1909-1912, drift, Springfield, 60-65, 4.0-5.0, RP	1,950 tons
Allin (Frank), 1912-1914	<u>3,350 tons</u>
	5,300 tons
Houston (George), 1905-1906, drift, Springfield, 33, 4.5, RP	160 tons
Whites (Warren), 1905-1906, drift, Springfield, 25, 4.5, RP	104 tons
Dunton (John), 1905-1906, slope, Springfield, 24, 4.5, RP	100 tons
Oleson (Oliver), 1905-1907, drift, Springfield, 25, 4.5, RP	140 tons

Shreeves (Bryant), 1905-1906, drift, Springfield, 45, 4.5, RP	80 tons
Ketchum (Shuman), 1905-1907, drift, Springfield, 40-50, 4.0-4.5, RP	400 tons
Snyder (John P.), 1905-1906, drift, Springfield, 35, 4.5, RP	80 tons
Snyder (John), 1906-1907, drift, Colchester, 50, 2.5, RP	120 tons
Fidler (Charles), 1905-1906, drift, Springfield, 35, 4.5, RP	8 tons
Pollitt (G. A.), 1906-1907, drift, Springfield, 50-60, 5.0, RP	240 tons
Pollett (Perry), 1907-1908	<u>320</u> tons 560 tons
Haller (M. C.), 1906-1907, drift, Springfield, 40-60, 4.0-5.0, RP	144 tons
Hall (Charles), 1907-1911	120 tons
Hall (John), 1911-1913	<u>720</u> tons 984 tons
Loffdon (John), 1906-1907, drift, Springfield, 60, 5.0, RP	120 tons
Detnos & Strickland, 1906-1907, drift, —, —, —, RP	561 tons
DeMoss & Pierce, 1907-1908, slope, Springfield, 35, 5.0, RP	1,020 tons
DeMoss & Pierce, 1907-1908, slope, Springfield, 25, 5.0, RP	80 tons
James & Mann, 1907-1911, drift or surface, Springfield, 10, 4.0-5.0, RP	1,480 tons
Johnson (J. E.), 1907-1910, drift, Springfield, 30-65, 4.67-5.0, RP	1,520 tons
Johnson (M. J.), 1910-1912	1,140 tons
Johnson (J. E.), 1912-1913	200 tons
Johnson (Lewis E.), 1913-1923	4,720 tons
Johnson & Johnson, 1923-1924	1,200 tons
Johnson Brothers, 1924-1925	1,200 tons
Johnson (John) & Brothers, 1925-1925	1,400 tons
Johnson (Lewis E.), 1926-1929	<u>2,060</u> tons 13,440 tons
Williams (John W.), 1907-1913, drift, Springfield, 60, 5.0, RP	2,265 tons
Finfrock (J.), 1909-1910, drift, Springfield, —, 4.0, RP	525 tons
Sutton (J.), 1909-1910, slope, Springfield, 10, 4.0, RP	6,860 tons
Lingenfelter (Eyerly), 1910-1911, drift, Springfield, 50-160, 4.5-5.0, RP	1,700 tons
Lingenfelter (J. R.), 1911-1912	420 tons
Huggins (L. D.), 1912-1915	<u>3,583</u> tons 5,703 tons
Adams & Schroeder, 1910-1911, —, Springfield, 40-75, 4.67-5.0, RP	1,600 tons
Adams & Irwin, 1911-1912	2,160 tons
Preston (Thomas), 1912-1914	<u>6,050</u> tons 9,810 tons
Haynes (W. H.), 1910-1911, drift, Springfield, —, 4.5, RP	320 tons
Smith (J. H.), 1910-1911, slope, Springfield —, 4.5, RP	120 tons
Mason (E. S.), 1911-1912, drift, Springfield, 60-85, 5.0, RP	900 tons
Vice (George), 1912-1913	<u>550</u> tons 1,450 tons
Taylor (William), 1911-1912, slope, Springfield, 25-300, 4.67-5.0, RP	620 tons
Walnut (Frank), 1912-1913	2,000 tons

Janskovich (Joe), 1913-1916	<u>17,174</u> tons 19,794 tons
White & Price, 1911-1913, slope or drift, Springfield, 50-65, 4.83-5.0, RP	1,220 tons
Bartley (Joseph), 1911-1913, drift, Springfield, 40-60, 4.83, RP	621 tons
Dick (John), 1911-1913, drift, Springfield 70-75, 4.83-5.0, RP	168 tons
Gaskell (B. F.), 1911-1913, drift, —, 35, 4.5-5.0, RP	610 tons
Standard (O. H.), 1912-1917, shaft, Springfield, 27-45, 4.83-5.0, RP	7,450 tons
Bayley & Bowker, 1912-1913, slope, Springfield, 45-133, 4.67, RP	1,470 tons
Bronse (Charles), 1913-1914	1,400 tons
Brous (Joe), 1914-1916	<u>8,900</u> tons 11,770 tons
Westerfield (Peter), 1912-1923, drift, Springfield, 25-60, 4.83-5.0, RP	3,500 tons
Ketchum (Sherman), 1914-1916, drift, Springfield, 300, 4.67-5.0, RP	1,075 tons
Sprague (Fred), 1914-1916, drift, Springfield, 65-70, 5.0, RP	828 tons
Carlton (N.), 1914-1915, drift, Springfield, 80, 5.0, RP	350 tons
Carlton (D. A.), 1914-1915, drift, Springfield, —, 4.5, RP	200 tons
Hall (Charles), 1914-1915, drift, Springfield, 50, 5.0, RP	150 tons
Hall (Charles), 1917-1918	440 tons
Stickler (Henry W.), 1914-1916, drift, Springfield, 65, 4.67-5.0, RP	200 tons
Bybee (J. C.), 1915-1916, drift, Springfield, 80, 4.67, RP	380 tons
Meltan (Robert), 1915-1916, drift, Springfield, 60, 4.67, RP	145 tons
Murphy (C. H.) & Sons, 1916-1926, slope, Springfield, 250, 4.5, RP	49,029 tons
Big Four Coal Company, 1927-1927	<u>864</u> tons 49,893 tons
Zaborac (Bartol), 1916-1927, drift, Springfield, 22, 5.0, RP	4,563 tons
Turner (John), 1916-1920, drift, Springfield, 40, 5.0, RP	2,387 tons
Harter (C. E.), 1917-1927	46,100 tons
Zinc Brothers & Company, 1917-1919	9,410 tons
Ketcham (Sherman), 1919-1927	<u>38,131</u> tons 47,541 tons
Yocum (Charles), 1917-1918	420 tons
Landis & Turner, 1917-1918	2,800 tons
Landis (Walter), 1918-1919	<u>560</u> tons 3,360 tons
Turner (Harry), 1917-1923	12,839 tons
Turl Coal Company, 1917-1925	25,560 tons
Belt & Dare, 1917-1923	4,204 tons

Lingenfelter (Jacob), 1917-1918	280 tons
Smith (Sam), 1917-1918	400 tons
Boyce (Joseph), 1917-1919	860 tons
Pollitt (W.), 1918-1919	170 tons
Haynes (John A.), 1918-1921	4,620 tons
Tink (Charles) & Son, 1918-1920	226 tons
Shields (Andrew), 1918-1919	320 tons
Juraco (Frank), 1918-1919	190 tons
Evers (J.) & Company, No. 1 Mine, 1919-1922	14,627 tons
Everts (Earl), 1922-1923	<u>600 tons</u>
	15,227 tons
Evers Coal Company, No. 2 Mine, 1920-1921	2,280 tons
Wages (Jack), 1919-1921	935 tons
Grenzenuch (Chris), 1919-1920	610 tons
Grenzenuch (Charles), 1920-1923	<u>870 tons</u>
	1,480 tons
Swift (Fred), 1919-1920	350 tons
Bausche (Fred), 1919-1922	1,180 tons
Brasche (Frank), 1922-1923	<u>600 tons</u>
	1,780 tons
Fidler (Charles H.), 1919-1925	998 tons
Jones (Richard), 1919-1923	280 tons
Saville & Anderson, 1919-1920	75 tons
Saville (Jess), 1920-1922	2,720 tons
Saville & Anderson, 1922-1923	<u>2,829 tons</u>
	5,624 tons
Stanley (Lester), 1919-1920	40 tons
Tomlianvich (Tony), 1920-1921	2,800 tons
Hahn (William), 1920-1921	1,000 tons
Taylor (Jack), 1920-1921	700 tons
Bennett Coal Company, No. 2 Mine, 1928-1929, underground	2,168 tons
Nicholson (F. D.), 1920-1921	195 tons
Nicholson (Fred), 1924-1925	800 tons
Sherwood & Nicholson, 1926-1927	<u>85 tons</u>
	885 tons
Memmer (G. F.), 1920-1921	100 tons
Hallick (P. H.), 1922-1923	5,415 tons
Arnetts & Smith, 1922-1923	3,324 tons



Swords (George), 1922-1923	2,958 tons
Curfanan (A.), 1922-1923	2,500 tons
Pierce (L. A.) & Brother, 1922-1923	1,602 tons
Pierce (L. A.), 1923-1924	452 tons
Pierce (S. A.), 1924-1925	267 tons
Pierce (L. A.), 1925-1926	<u>856 tons</u>
	3,177 tons
Haynes (John A.), 1934-1935, underground	2,080 tons
Houston (George), 1922-1923	510 tons
Wilcoxon (Herbert G.), 1922-1923	475 tons
Wilcoxon (James), 1926-1926, underground	285 tons
Wilcoxon (E.), 1927-1927	280 tons
Wilcoxon (Ross), 1928-1929	<u>1,257 tons</u>
	1,822 tons
Wilcoxon (Ross), 1927-1928, underground	520 tons
Provard (Frank), 1922-1923	470 tons
Provard (George O.), 1923-1925	2,163 tons
Provard (Elmer), 1926-1926	205 tons
Provard & Brothers, 1927-1927	<u>395 tons</u>
	3,233 tons
Romine (Fred), 1922-1923	329 tons
Romine (Fred), 1925-1925	300 tons
Welh (C. B.), 1922-1923	300 tons
Curpman (A.), 1922-1923	250 tons
Russell (D. H.), 1922-1925	1,800 tons
Barker (William), 1922-1923, underground	200 tons
Baker (James W.), 1923-1924	1,650 tons
Barker Coal Company, 1924-1926	1,845 tons
Baker (David), 1927-1928	225 tons
Baker (T. D.), 1929-1929	<u>800 tons</u>
	4,720 tons
Williams (Fred), 1922-1923	200 tons
Clarkson & Williams, 1923-1924	<u>700 tons</u>
	900 tons
Delost (Frank), 1925-1929, underground	452 tons
Anderson (W. C.), 1923-1925, underground	5,350 tons
Anderson (William) & Brother, 1925-1926	225 tons
Anderson (W. H.), 1927-1927	352 tons
Anderson & Brother, 1928-1933	250 tons
Anderson (Theodore), 1934-1934	<u>50 tons</u>
	6,227 tons
Young (Charles E.), 1923-1924	2,324 tons
Katavich & Segavich, 1923-1924	482 tons
Jump (Frank), 1923-1926	482 tons
Jump & Dare, 1927-1927	<u>206 tons</u>

	688 tons
Williams (Dan T.), 1923-1926	491 tons
Creek (Chester), 1923-1926	426 tons
Gray (Shilah), 1924-1925	6,926 tons
West Canton Coal Company, 1927-1927	5,760 tons
Sargent & Wolf, 1924-1925	2,935 tons
Pearson & Graves, 1924-1925	2,591 tons
Pearson (Daniel), 1925-1926	<u>1,220</u> tons
	3,811 tons
Johnson & Mann, 1924-1925	6,700 tons
Johnson & Moore, 1928-1928, underground	33 tons
Moran (Henry), 1924-1925	380 tons
Hardwick & Sexton, 1924-1925	250 tons
Whitnell (Ed), 1924-1925	60 tons
Pallett (G. A.), 1924-1925	40 tons
Pollett (James), 1926-1926	<u>108</u> tons
	148 tons
Sinnott (Lee), 1924-1925	32 tons
Crosby (F. L.), 1925-1925	2,427 tons
Dawson (George), 1925-1927	2,712 tons
Williams (John & Albert), 1925-1925	864 tons
Williams (J.) & Cox, 1925-1925	644 tons
Cutler (H. D.), 1925-1925	100 tons
Swartz & Company, 1925-1925	50 tons
Fouts (Isaac), 1925-1925	40 tons
King (George R.), 1926-1927	2,793 tons
Baker & Spargo, 1926-1928, underground	1,572 tons
Baker & Lamb, 1929-1929	800 tons
Spargo (J.) & Baker (D. J.), 1930-1931	1,000 tons
Baker (J. W.), 1932-1932	<u>1,800</u> tons
	5,172 tons
Horton Coal Company, 1926-1927	1,792 tons
Justrite Coal Company, 1926-1926	491 tons
Baxter (Ed), 1926-1927	618 tons
Betson (R. A.), 1926-1926	329 tons
Malgreen & Fink, 1926-1926	263 tons
Wages (Jacob), 1926-1929, underground	495 tons

Bartetto & Company, 1926-1926	85 tons
Cape (Harley), 1926-1926, underground	80 tons
Cape (Harley) & Brother, 1927-1927	400 tons
Cape (Harley), 1928-1928	<u>385</u> tons
	865 tons
Peterson (Eugene), 1926-1926	50 tons
Korich (Philip F.), 1926-1926	49 tons
Anderson (Oscar), 1927-1927	12,480 tons
Canton Road Coal Company, 1927-1928, underground	2,350 tons
Canton-Fiatt Road Coal Company, 1929-1929	<u>1,000</u> tons
	3,350 tons
Cop & Kruger, 1927-1927	1,300 tons
Truman (Charles), 1927-1927	400 tons
Brignall (William), 1927-1927	230 tons
Anderson & Son, 1927-1928	207 tons
Hodson (Ed), 1927-1929, underground	296 tons
Nickolson & Green, 1927-1928, underground	16 tons
Green (L. F.), 1929-1929	<u>412</u> tons
	428 tons
Putnam (J. W.) Coal Company, 1928-1928, underground	1,800 tons
T. & H. Coal Company, 1928-1928, underground	5,355 tons
Harabar (Rudolph J.), 1929-1930	<u>4,824</u> tons
	10,179 tons
Vice (G. B.), 1928-1929, underground	2,754 tons
Atkins (E.), 1929-1929, underground	449 tons
Flyn & Company, 1929-1929, underground	20 tons
Williams (Fred), 1929-1929, underground	240 tons
Grim (Boyd), 1931-1932, surface	3,500 tons
McGinnis (L. J.), 1931-1931, underground	1,477 tons
Breeds Coal Company, 1932-1932, underground	3,000 tons
Murphy (E. H.), 1931-1931, underground	1,196 tons
Griffin (Thomas), 1932-1932, underground	2,200 tons
City of Canton, Poor Relief Mine, 1932-1932	3,360 tons
Rayner (J.), 1933-1933, surface	3,640 tons
Johnson & Scalf, 1933-1933, surface	1,600 tons
Shubert (George), 1933-1935, underground	2,798 tons
Hartigan (A. F.), 1933-1933, surface	1,206 tons

Economy Coal Company, 1934-1934, underground	141 tons
B. & M. Coal Company, 1934-1935, underground	3,343 tons
Starcenich (Tony), 1934-1934, underground	80 tons
Starcevich (John), 1935-1935	<u>50 tons</u>
	130 tons
Libby (M.), 1934-1934, underground	40 tons
Richards (Carl E.), 1934-1935, underground	909 tons
Reynolds (E. M.) Coal Company, 1934-1934, underground	525 tons
Stokes & Conway, 1934-1935, underground	518 tons
Franciskovich (Philip), 1934-1937, underground	984 tons
Langstaff (C. J.), 1934-1935, underground	1,604 tons
Lee (Frank), 1934-1935, underground	370 tons
Tink (Frank), 1934-1934, underground	139 tons
Service Coal Company, 1935-1935, underground	2,115 tons
Flynn (Earl), 1935-1936, underground	1,427 tons
Busby (Clarence), 1937-1937, surface	200 tons
Jackson (O. E.), 1935-1935, underground	200 tons
Westerfield Brothers, 1935-1935, underground	150 tons
Harris (Charles), 1935-1935, surface	150 tons
Kirkpatrick (Everett), 1935-1935, underground	130 tons
Carver (C. W.), 1935-1935, underground	125 tons
Happy Hollow Coal Company, 1935-1936, underground	209 tons
Booth (Ray), 1935-1935, underground	54 tons
Stufflebeam (Z.), 1935-1935, underground	50 tons
Traynor (Joe), 1935-1935, underground	15 tons
Kumes (Matt), 1935-1935, underground	15 tons
Diltz (William), 1936-1937, drift, Springfield, —, 5.0, RP	408 tons
Williams (Fred F.), 1938-1939, drift, Springfield, 75, 5.0	299 tons
Barclay (Dallas), 1937-1938, slope, Springfield, 10, 4.0, RP	461 tons
Zaborac (Stanley), 1937-1937, underground	278 tons
Zaborac (Carl & Stanley), 1934-1934, underground	1,200 tons
Zaborac (Carl), 1935-1935	<u>65 tons</u>
	1,265 tons
Mason (C. H.), 1936-1936, underground	100 tons
Eblen Brothers Coal Company, 1954-1954, surface	30,000 tons



Williams (Jesse), 1938-1938, shaft, Springfield, 30, 4.5-5.0, RP	50 tons
Dilts (William), 1938-1938, underground	147 tons
Pribble (William), 1939-1939	<u>125</u> tons
	272 tons
Savill (Len), 1939-1941, slope, Springfield, 25, 5.0, RP	898 tons
Wills & Savill, 1942-1942	<u>263</u> tons
	1,161 tons
Lingenfelter Coal Company, No. 3 Mine, 1955-1955, surface	3,765 tons

## DUNFERMLINE

Fiddler (William), 1897-1898, surface, Springfield	350 tons
Maple (Charles), 1898-1899, drift, Springfield, 60, 5.0	200 tons
Hall (Charles), 1898-1899, drift, Springfield, 60, 5.0	250 tons
Roberts (S.), 1909-1910, drift, Springfield, —, 5.0, RP	300 tons

## NORRIS

Beechum (Robert), 1883-1886, shaft, Herrin, 75, 4.5, RP	4,788 tons
Williams (George), 1884-1891, drift, Herrin, 40-60, 4.2-4.5, RP	830 tons
McLaughlin (Joe), 1884-1885, drift, Herrin, 45-60, 4.0-4.5, RP	240 tons
Drawyer (Charles), 1885-1894	2,530 tons
Rosebaum (William H.), 1894-1896	<u>525</u> tons
	3,295 tons
Dunton (John), 1885-1886, drift, Herrin, 40, 4.33, RP	150 tons
Dunton (John), 1886-1887, shaft, Herrin, 75, 4.67, RP	500 tons
Rosybone (William), 1885-1886, drift, Herrin, 55, 4.33, RP	210 tons
Jadensen (E.), 1894-1895, drift, Herrin, 45-55, 4.0-4.5, RP	350 tons
Tyler (J. N.), 1895-1896	Unknown
Hansen (Charles), 1894-1895, drift, Herrin, 45-50, 4.0-4.5, RP	660 tons
Bell (Henry), 1895-1896	Unknown
Fillingham (Edward), 1894-1895, slope, Herrin, 50, 4.5, RP	400 tons
Walck (Cyrus L.), 1894-1896, drift, Herrin, 40-45, 4.0-4.5, RP	427 tons
Martin & Straley, 1897-1898, drift, Herrin, 20, 4.5-5.0, RP	300 tons
Straley (James), 1898-1899	<u>400</u> tons
	700 tons
Doyle (H. B.), 1902-1905, drift, —, 25-60, 4.0-5.5, RP	380 tons
Ashby (Sam), 1905-1906	<u>80</u> tons
	460 tons
Awl (Robert H.), 1905-1906, drift, Herrin, 40, 4.0, RP	80 tons
Robb (W. M.), 1910-1913, shaft or slope, —, 40-140, 4.0-5.0, RP	1,525 tons

Morris (W.), 1910-1912, drift, —, 45-50, 4.5-5.0, RP	900 tons
Morris & Wack, 1912-1913	600 tons
Walck (C. L.), 1913-1914	175 tons
	<u>1,675 tons</u>

Walck (James), 1914-1915, drift, Springfield, 65, 5.0, RP	225 tons
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Dubois (J. R.), 1916-1918, drift, Herrin, 30, 4.5, RP	1,275 tons
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Baxter (Harry), 1933-1933, underground	1,229 tons
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## RAWALT

Halligan (James) & Company, 1888-1890	920 tons
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## ST. DAVID

Nebergall Coal Company, 1958-1959, surface	1,257 tons	mine index 4986
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Wyman Coal Company, 1882-1885, slope, Springfield, 30-40, 5.0, RP	44,290 tons
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Shallenberger (G. N.), 1883-1884, surface, Springfield, 9, 5.0	1,200 tons
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Ford (Absalom), 1883-1884, surface, Springfield, —, —	800 tons
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Patterson (James), 1889-1893, drift, Springfield, 20, 4.5-5.0, RP	2,080 tons
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Carbon Coal Company, 1892-1898, shaft, Springfield, 35-60, 4.67-5.0, RP	164,594 tons
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Bath (Abraham), 1895-1896, drift, Springfield, 20-55, 4.5-5.0, RP	Unknown
Courtney (Thomas M.), 1896-1900	760 tons
Bath (Abraham), 1900-1905	<u>4,460 tons</u>
	<u>5,220 tons</u>

Snyder (Leonard R.), 1895-1900, drift, Springfield, 20-40, 4.83-5.0, RP	1,676 tons
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Snyder (L. R.), 1902-1906, drift, Springfield, 24-40, 4.5-5.0, RP	5,500 tons
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Shryock (William), 1896-1898, drift, Springfield, 40, 5.0, RP	430 tons
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Woods (James), 1898-1899, drift, Springfield, 40-70, 5.0, RP	200 tons
Mercey (George), 1899-1902	<u>1,510 tons</u>
	<u>1,710 tons</u>

Tompkins (H.), 1900-1902, drift, Springfield, 65, 5.0, RP	900 tons
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Tyler (Arch), 1900-1901, drift, Springfield, 60, 5.0, RP	700 tons
Tyler (C. W.), 1901-1902	<u>400 tons</u>
	<u>1,100 tons</u>

DeMoss (A.), 1900-1902, drift, Springfield, 50, 5.0, RP	650 tons
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Baxter (Thomas), 1902-1903, shaft, Springfield, 25, 4.5, RP	1,620 tons
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Rakestraw (John W.), 1906-1909, —, Springfield, 40-60, 4.5-5.0, RP	3,107 tons
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Stufflebeam & Lightle, 1907-1908, drift, Springfield, 25-40, 5.0, RP	48 tons
Lightle (John), 1908-1910	500 tons
Barker & Stufflebeam, 1910-1911	<u>1,400 tons</u>
	<u>1,948 tons</u>

Johnson (W. A.), 1909-1911, drift, Springfield, —, 5.0, RP	3,180 tons
Johnson (John), 1910-1917, drift, Springfield, 12-75, 4.67-5.0, RP	16,000 tons
Johnson (John) & Brothers, 1917-1919	10,020 tons
Johnson (John A.), 1919-1920	1,200 tons
Johnson (John & Alfred), 1920-1923	6,850 tons
Johnson Brothers, 1923-1924	<u>1,780 tons</u>
	35,850 tons
Johnson (John), 1914-1915, slope, Springfield, 40, 5.0, RP	1,200 tons
Rand & Company, 1911-1912, —, Springfield, 60-70, 4.67-5.0, RP	1,000 tons
Bartol & Zaborac, 1912-1913	<u>700 tons</u>
	1,700 tons
Provard (Frank), 1913-1915, drift, Springfield, 23-78, 5.0, RP	1,955 tons
Provard (George), 1915-1917	<u>875 tons</u>
	2,830 tons
Garren (William), 1913-1915, drift, Springfield, 40-300, 5.0, RP	615 tons
Garren (Otto), 1915-1916	<u>1,280 tons</u>
	1,895 tons
Pollett (James), 1915-1916, drift, Springfield, 65, 4.67, RP	268 tons
Porter (Harry), 1916-1917, drift, Springfield, 25, 5.0, RP	2,500 tons
Schragel (Joseph), 1917-1919	2,739 tons
Donley & Matthews, 1920-1921	291 tons
Myers & Frasco, 1922-1923	960 tons
Myers (Sam), 1923-1927	<u>2,250 tons</u>
	3,210 tons
Delast (Frank), 1922-1923	170 tons
Wamble (J. S.), 1924-1925	175 tons
Maxwell (E. W.), 1925-1925	50 tons
Johnn Brothers, 1926-1926, underground	660 tons
Johnson (J. A.), 1927-1927	800 tons
Johnson Brothers, 1928-1928	<u>1,400 tons</u>
	2,860 tons
Stufflebeam (Marion), 1926-1927, underground	868 tons
Stufflebeam & Merchant, 1928-1928	<u>260 tons</u>
	1,128 tons
Stuffelbeam (Marion), 1934-1935, underground	303 tons
Cozine (Paul), 1932-1933, surface	3,875 tons
Cozine (A. M.), 1934-1936	<u>3,007 tons</u>
	6,882 tons
Johnson & Delrach, 1934-1934, underground	800 tons
Delach (Steve), 1935-1937	677 tons
County Wide Coal Company, 1938-1938	222 tons
Zaborac (Stanley), 1939-1939	795 tons
Murphy (Elmar), 1940-1942	<u>1,071 tons</u>
	3,565 tons
Karlovich (Peter), 1934-1935, underground	350 tons

St. David Coal Company, 1935-1937, underground

625 tons



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