



# Coal Mines in Illinois Carrier Mills Quadrangle Saline & Williamson Counties, Illinois

## Herrin Coal

This map accompanies the Coal Mines Directory for the Carrier Mills Quadrangle and maps of mines in the Springfield and Danville & Other Coals, Carrier Mills 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

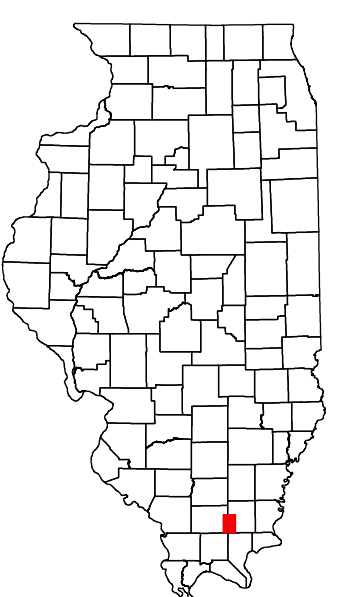
### Tipple, Shaft, Slope, Drift Locations

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

### Other Points Depicted

- Non-Coal Mines

### Location



### 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 <https://www.isgs.illinois.edu> for the most up-to-date version of these products.

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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 unmined 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.

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Illinois State Geological Survey  
PRAIRIE RESEARCH INSTITUTE

Prairie Research Institute  
Illinois State Geological Survey  
615 E. Peabody Dr.  
Champaign, IL 61820

Mine Outlines Compiled by  
Alan R. Myers

June 2004

Revised:  
May 23, 2005  
Alan R. Myers 05-31-2024

Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
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Imagery.....NAP, August 2015 - October 2015  
Roads.....U.S. Census Bureau, 2017  
Roads within US Forest Service Lands.....FS Topo Data  
with Limited Forest Service updates, 2017  
Names.....GCS, 1980 - 2016  
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Contours.....National Elevation Dataset, 2014  
Boundaries.....Multiple sources; see metadata file  
Public Land Survey System.....BLM, 2017  
Wetlands.....FWS National Wetlands Inventory 1983 - 1984

UTM GRID AND 2017 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

SCALE 1:24,000  
1 0.5 0 0.5 1 2  
1000 500 0 500 1000 2000  
KILOMETERS  
1 0.5 0 0.5 1 2  
1000 500 0 500 1000 2000  
FEET  
CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN DATUM OF 1983  
This map was produced to conform with the  
National Geospatial Program US Topo Product Standards, 2011.  
A metadata file associated with this product is draft version 0.6.18

ILLINOIS  
SHAWNEE NATIONAL FOREST  
CARRIER MILLS QUADRANGLE

ROAD CLASSIFICATION  
Expressway  
Secondary Hwy  
Ramp  
Interstate Route  
US Route  
FS Primary Route  
FS Passenger Route  
Local Connector  
Local Road  
4WD  
State Route  
FS High Clearance Route

CARRIER MILLS, IL  
2018



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## Springfield Coal

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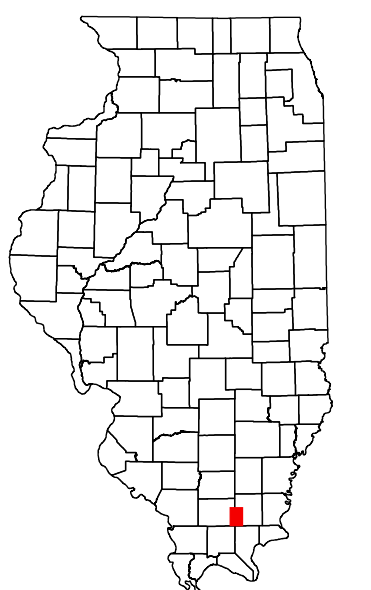
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### Location



### Mine Annotation (space permitting)

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Mine Outlines Compiled by  
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Revised:  
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ILLINOIS  
CARRIER MILLS QUADRANGLE

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Ramp  
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US Route  
FS Primary Route  
Local Connector  
Local Road  
4WD  
State Route  
FS Passenger Route  
FS High Clearance Route  
Check with local Forest Service unit  
for current travel conditions and restrictions.

CARRIER MILLS, IL  
2018





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## Danville & Other Coals

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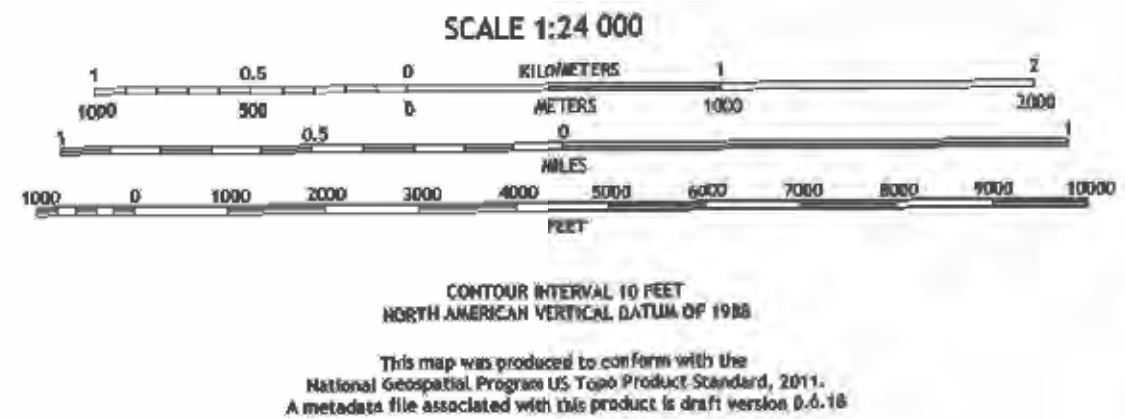
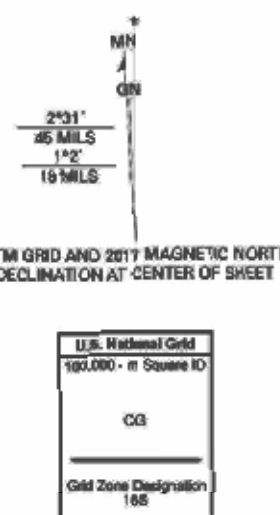
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June 22, 2004

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Revised:  
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# **DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES CARRIER MILLS QUADRANGLE SALINE AND WILLIAMSON COUNTIES**

Alan R. Myers & Jennifer M. Obrad



Department of Natural Resources  
ILLINOIS STATE GEOLOGICAL SURVEY  
2004  
REVISED 2005, 2024



**DIRECTORY OF COAL MINES IN ILLINOIS  
7.5-MINUTE QUADRANGLE SERIES  
CARRIER MILLS QUADRANGLE  
SALINE AND WILLIAMSON COUNTIES**

2004  
REVISED 2005, 2024

ILLINOIS STATE GEOLOGICAL SURVEY  
William Shilts, Chief

Natural Resources Building  
615 East Peabody Drive  
Champaign, Illinois 61820

Phone 1-217-244-4610  
Fax 1-217-333-2830

**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.

*Printed by authority of the State of Illinois/2005*



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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.

The directory serves as a key to the accompanying mine map and provides basic information on the coal mines. 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.

## **MINING IN THE CARRIER MILLS QUADRANGLE**

Four seams have been mined in this quadrangle. All have been mined from the surface as well as underground. Most of the mining took place in the Springfield Coal, which crops out along an east-west trend about the middle of the quadrangle. The Springfield Coal generally ranges from 4 to 6.5 feet thick and averages about 5 feet thick over the area. The Springfield Coal was not deposited or is split into two or more seams by shale in the area west of Harrisburg. This is near the Galatia Channel, which was deposited contemporaneously with the Springfield Coal. The Dykersburg Shale overlies the seam in this area, generally making a good roof.

The Herrin Coal was also mined in this quadrangle, and generally ranges from 4 to 6 feet thick. This seam was shallow and was typically surface-mined.

A few mines also reportedly mined the Danville Coal (above the Springfield Coal) and the Houchin Creek Coal (between the Springfield and Dekoven Coals).

The Dekoven and Davis Coals were mined in the southern part of the quadrangle. They are thinner than the Springfield Coal, generally about 3 feet thick each. These seams were commonly surface mined where both seams could be taken together, such as in Peabody Coal Company's Will Scarlet Mine (mine index 697).

Most of the mining in this quadrangle was from the mid-1930s until 1997.



## 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**

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.



## PART II DIRECTORY OF MINES IN THE CARRIER MILLS QUADRANGLE

### MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Carrier Mills 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 129

#### Peabody Coal Company, Peabody No. 44 Mine

Type: Underground    Total mined-out acreage shown: 174

#### SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (12.5x4)	Saline	9S 5E	15	SE NW NE
Air shaft (12.5x26.3)	Saline	9S 5E	15	NE NW NE

### GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	275 (260-285)	4.67	7.25	4.42-6.25	RPP

Geologic Problems Reported: East-west trending faults were present in the northern and southern parts of the mine. The noted displacements on these faults were generally 1 to 5 feet, ranging up to 15 feet. They disrupted the mining pattern in the northwestern part of the mine. Northwest-southeast trending faults appear to have caused more difficulties with mining, especially one near the air shaft having 27 feet of displacement. The black shale roof was generally good. Some pyrite lenses were found in the seam. Rolls were noted on the source map in the eastern and northwestern parts of the mine.

### PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Saline County Coal Company	Saline County No. 4	1917-1921	none reported *
Big Creek Coal Company	Big Creek No. 4	1921-1923 **	182,700
Saline County Coal Corporation	Saline County No. 4	1923-1927	777,624
Saline County Coal Corporation	Saline County No. 44	1927-1928	149,297
Peabody Coal Company	Peabody No. 44	1928-1929	<u>none reported</u> 1,109,621

\* Production possibly reported under another Saline County Coal Company tipple

\*\* Idle 1922 or produced less than 10,000 tons

Last reported production: 1928

### SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.S32 i5.1-13	6-18-1929	1:1200	1:1200	Final

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

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

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

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

ISGS field notes (Saline County) - Geologic problems.

Company map, ISGS map library, 4103.S32 i5.1-13 - Shaft locations, mine outline, mine type, geologic problems.



**Mine Index 130****Wasson Coal Company, Wasson A Mine**

Type: Underground Total mined-out acreage shown: 543 The southern part of the mine was later surface-mined by Blue Bird No. 4 Mine (mine index 3267).

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope *	Saline	9S 5E	33	NE SW SE

\* No air shaft was shown on the source maps. The slope is not shown on the accompanying map because of later surface mining.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	37-50	4.67	5.17	4.83	MRP

Geologic Problems Reported: Bad roof was noted on the source map in the southern part of the mine (SW 33-T9S-R5E). Pyrite lenses were found in the top coal. The floor had many slips and heaved when wet.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Wasson Coal Company	Wasson No. 2	1914-1932	2,149,937
Wasson Coal Company	Wasson A	1933-1942 **	760,618
			2,910,555

\*\* Idle 1933, 1934

Last reported production: February 1942

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.S32 i5.1-29	8-18-1950 ***	1:2400	1:2400	Final

\*\*\* The only date on the source map is the date the tracing was made. No extensions were dated. However, this map has precisely the same extensions as the microfilm map, document number 352825 (reel 03140, frames 389 & 390), which is dated 2-14-1942 and is probably a final map (or very nearly so).

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Saline County) - Mine type, slope location, seam, depth, thickness, geologic problems.

Company map, ISGS map library, 4103.S32 i5.1-29 - Slope location, mine outline, mine type.

Company map, ISGS map library, 4103.S32 i5.1-51 - Geologic problems.



**Mine Index 427**  
**Pat Ross, Ross 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 drift	Saline	10S 5E	20	NE SW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Davis				3.17	RP

Geologic Problems Reported: Some pyrite lenses and facings were present in the coal.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Fred Cogdill	Cogdill	1928-1928	600
Pat Ross	Ross	1929-1929	300
			900

Last reported production: 1929

**SOURCES OF DATA**

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

\* Point plotted onto 1:24,000 USGS quadrangle and digitized.

Annotated Bibliography (data source, brief description of information)

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



**Mine Index 638****Sahara Coal Company, Inc., Sahara No. 6 Mine**

Type: Surface Total mined-out acreage shown: 5,178

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Saline	9S 5E	29	SW SE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	25-115			4.5-5.0	Surface

Geologic Problems Reported: Coal balls were present and locally abundant.**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Bankston Creek Collieries Company, Inc.	Bankston Creek No. 6	1936-1950	8,396,736
Sahara Coal Company, Inc.	Sahara No. 6	1951-1993	28,623,916
			37,020,652

Last reported production: June 1993

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 6-207	12-17-1978	1:4800	1:4800	Not final
Microfilm, document 352758	5-31-1950	1:2400	1:4634	Not final
Company, 6-316	12-1993	1:4800	1:4800	Final
Company, 6-318	1-1-1991	1:2400	1:2400	Final *
Department of Mines & Minerals	Undated			Secondary source
USGS topographic map	PR 1990	1:24000	1:24000	Secondary source

\* This map is final for the pit shown.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness.  
 Directory of Illinois Coal Mines (Saline County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Saline County) - Mine type, mine location, seam, geologic problems.  
 ISGS field notes (Saline County) - Mining method.  
 Company map, ISGS Coal Section files, 6-207 - Mine location, mine outline, mining method.  
 Microfilm map, document 352758, reel 03140, frames 274-277 - Mine outline.  
 Company map, ISGS Coal Section files, 6-316 - Mine outline (north).  
 Company map, ISGS Coal Section files, 6-318 - Mine outline (eastern pit, north half).  
 Department of Mines & Minerals, 7a-01-37, aerial photographic base with surface mines identified - Mine outline.  
 USGS topographic map, Carrier Mills 7.5', 1961, photorevised 1990 - Mine outline.



**Mine Index 664****Sahara Coal Company, Inc., Sahara No. 5 Mine**

Type: Underground    Total mined-out acreage shown: 4,038

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Saline	9S 5E	29	SW SE NW
Slope	Saline	9S 5E	29	SE SE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	135			4.5-5.0	RPP

Geologic Problems Reported: The coal contained pyrite in nodules and lenses up to 1.5 inches thick. Pyrite was also present as stringers at the base of the seam and locally as fracture fillings along with some calcite.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Bankston Creek Collieries Company *	Bankston Creek No. 5	1938-1950	6,356,092
Sahara Coal Company, Inc.	Sahara No. 5	1951-1972	<u>11,270,620</u>
			17,626,712

\* Also operated as Fifth Vein Coal Company, as shown on a 1950 map.

Last reported production: August 1972

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352839	7-11-72	1:2400	1:4300	Final
Company, 10-5-49	6-23-1977	1:6600	1:6600	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

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

Microfilm map, document 352839, reel 03140, frames 425-441 - Slope locations, mine outline, mining method.

ISGS Coal Section files, 10-5-49, coal company compilation map - Mine outline (west, 25-T9S-R4E).



**Mine Index 696****Thunderbird Collieries Corporation, Carmac Mine**

Type: Underground    Total mined-out acreage shown: 1,061

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope *	Williamson	9S 4E	36	SW SW NE
Air slope *	Williamson	9S 4E	36	SE SW NE

\* These slopes are not shown on the accompanying map because of later surface mining by the Delta Mine (mine index 702).

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	100-110			4.0-4.17	RPP

Geologic Problems Reported: The roof was generally good, except for some slips in the roof in the west part of the mine. The coal contained calcite in vertical cleats and a few thin pyrite bands.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Carmac Coal Company	Carmac	1948-1962	4,190,365
Thunderbird Collieries Corporation	Carmac	1963-1964	<u>520,682</u>
			4,711,047

Last reported production: September 1964

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_649_01	10-1-1964	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Williamson County) - Mine type, slope location, seam, geologic problems.

State archive, MSHA\_649\_01 - Slope locations, mine outline, mining method.



**Mine Index 697****Peabody Coal Company, Will Scarlet Mine**

Type: Surface Total mined-out acreage shown: 4,474 This area includes many other pits elsewhere in Saline and Williamson Counties

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Williamson	10S 4E	24	SE NE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Dekoven	25-35			3.17-3.46	Surface
Davis	42-76			3.42	Surface
Houchin Creek				2.0	Surface

Geologic Problems Reported: An igneous dike was present 500 feet south of the north section line of sections 13 and 14. This dike was 15 feet wide. About 10 feet southwest of the main dike, a smaller dike cut through the Davis Coal. Another smaller (2 to 3 feet wide) dike was present about 500 to 600 feet southwest of the main dike. These dikes were near a 100-foot wide graben. The overburden was mainly sandstone and shale, which was fractured in some locations. This made the highwall expensive to maintain and dangerous to work near. Calcite was present in the coal as fracture fillings. Pyrite was present in lenses and fracture fillings. Some of the seams had high sulfur and ash content (as well as high Btu values) and were not mined at all locations.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Stonefort Corporation	Will Scarlet	1953-1959	4,242,962 *
Stonefort Coal Mining Corporation	Will Scarlet	1960-1967	6,811,916 *
Peabody Coal Company	Will Scarlet	1968-1978	8,797,151 *
Peabody Coal Company	Will Scarlet	1979-1987	6,208,992 *
			26,061,021

\* Production from 1953-1978 was reported in Williamson County, and production from 1979-1987 was reported in Saline County.

Last reported production: 1987

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, Coal Section files	1-1-1989	1:12000	1:12000	Final
Microfilm, document 353298	7-16-1959	1:12000	1:24000	Not final
Department of Mines & Minerals	Undated			Secondary source
USGS topographic map	1961, PR 1990	1:24000	1:24000	Secondary source
USGS topographic map	1965, PR 1990	1:24000	1:24000	Secondary source
USGS topographic map	1961, PR 1990	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seams, depth, thickness, mining method.  
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Williamson County) - Mine type, mine location, seam, geologic problems.  
 Company map, Coal Section files - Mine outline, mining method.  
 Microfilm map, document 353298, reel 03142, frame 257 - Mine location, mine outline (T10S-R4E-13,14,15).  
 Department of Mines & Minerals, 7a-01-38, aerial photographic base with surface mines identified - Mine identification (pit 13).  
 USGS topographic map, Carrier Mills 7.5-minute Quadrangle, 1961, Photorevised 1990 - Mine outline.  
 USGS topographic map, Crab Orchard 7.5-minute Quadrangle, 1965, Photorevised 1990 - Mine outline.  
 USGS topographic map, Harrisburg 7.5-minute Quadrangle, 1961, Photorevised 1990 - Mine outline..



**Mine Index 698****Saxton Coal Corporation, Newcastle No. 2 Mine**

Type: Surface    Total mined-out acreage shown: 147

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Saline	10S 5E	20	SW NE NE *

\* ISGS field notes indicate a surface mine at this location in 1925. This mine may have extended the previous mine.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Dekoven	30			2.83	Surface
Davis	50			3.33	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Saxton Coal Corporation	Newcastle No. 2	1954-1956	<u>391,992</u> 391,992

Last reported production: August 1956

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_2560_01	8-5-1956	1:4800	1:4800	Final

Annotated Bibliography (data source, brief description of information)

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

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

State archive, IL\_2560\_01 - Mine outline, mining method.



**Mine Index 702**  
**Amax Coal Company, Delta Mine**

Type: Surface Total mined-out acreage shown: 12,942 (2,892 in Danville Coal, 7,668 in Herrin Coal and 2,382 in Springfield Coal)

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Williamson	9S 4E	33	NW NW NE

Pits were located in all or parts of Sections 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 26, 27, 28, 29, 26, 33, 34, 35, 36 of T9S-R4E, 2, 3, 4, 5, 8, 9, 10, 11, 31 of T9S-R5E, and 2, 3 of T10S-R4E.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville	43			1.83	Surface
Herrin (1943-1997)	28-120			4.58-7.0	Surface
Springfield (1935-1943)	75-101			4.17-4.33	Surface

**Geologic Problems Reported:** The coal had a steep pitch near the Cottage Grove fault, which prevented mining in its immediate proximity. Subsidiary faults were encountered, with up to 12 feet of displacement. Near the faults, the coal's topography and thickness varied, but in some pits, the thickness had little variation. Other fault-related features were noted, including pulverized or shattered zones and slips. Coal balls were locally abundant. The top of the Herrin Coal was irregular and interbedded with shale. Three lenses of shale that were up to 4 feet thick were noted in a one-half mile face. The coal contained pyrite nodules.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Delta Coal Mining Company	Delta	1935-1946	5,817,335
Delta Collieries Corporation	Delta	1946-1956	6,312,742
Carmac Coal Company	Delta	1957-1962	4,937,465
Thunderbird Collieries Corporation	Delta	1963-1966	3,901,411
Ayrshire Collieries Corporation	Delta	1967-1968	1,860,290
Ayrshire Coal Company, Div. AMAX	Delta	1969-1971	2,804,014
Amax Coal Company	Delta	1972-1997	37,454,266
			63,087,523 *

\* Some production is from Saline County.

Last reported production: 1997

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, Coal Section files	2-6-1996	—	—	Final
USGS topographic map	1961, PR 1990	1:24000	1:24000	Secondary source
USGS topographic map	1965, PR 1990	1:24000	1:24000	Secondary source
Department of Mines & Minerals	Undated			Secondary source
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness.  
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Williamson County) - Mine type, mine location, seam, geologic problems.  
 Company map, Coal Section files, digital file - Mine outline, mining method.  
 USGS topographic map, Carrier Mills 7.5-minute Quadrangle, 1961, Photorevised 1990 - Mine outline.  
 USGS topographic map, Crab Orchard 7.5-minute Quadrangle, 1965, Photorevised 1990 - Mine outline.  
 Department of Mines & Minerals, 7a-02-13, aerial photograph base with surface mines identified - Mine outline.  
 Department of Mines & Minerals, 7a-02-12, aerial photograph base with surface mines identified - Mine outline.



**Mine Index 801****Sahara Coal Company, Inc., Sahara No. 16 Mine**

Type: Underground    Total mined-out acreage shown: 2,861

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Saline	9S 5E	13	SE SW SW
Air shaft *	Saline	9S 5E	13	SW SW SW
Escape (old air) shaft	Saline	9S 5E	13	SE SW SW

\* The old shaft was converted to an air shaft in 1941, when the new slope was constructed.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	189-200	5.0	7.0	6.5	RPP

Geologic Problems Reported: The mine had many faults, trending northwest-southeast. These faults controlled the mine plan to some extent, specifically in the southeastern part of the mine, where a large block was left unmined. The roof was not good, the seam "hilly", and the floor heaved slightly.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Elder & Bixler Coal Company	Elder & Bixler	1913-1920	41,322
Harrisburg Coal Mining Company	Blue Bird	1920-1924	598,492
Harrisburg Coal Mining Company	Harrisburg No. 1	1924-1927	285,917
Idle		1927-1941	
Bankston Creek Collieries Company	Bankston Creek No. 16	1941-1950	4,359,557
Sahara Coal Company, Inc.	Sahara No. 16	1951-1971	<u>12,115,092</u>
			17,400,380

Last reported production: 1971

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_356_06	12-23-1971	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, slope location, seam, depth, thickness, geologic problems.

State archive, IL\_356\_06 - Slope & shaft locations, mine outline, mining method, geologic problems.



**Mine Index 802****Sahara Coal Company, Inc., Sahara No. 7 Mine**

Type: Underground    Total mined-out acreage shown: 323 in Herrin Coal, 531 in Springfield Coal

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Saline	9S 5E	16	SE NW SE
Air slope	Saline	9S 5E	16	SW NE SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin (1982-1986)	160-180			4.5-5.0	RPP
Springfield (1944-1957)	288-295 (305-355)			5.17-6.25	RPP

Geologic Problems Reported: The Herrin Coal had a series of faults and rolls in the main north entries, most with displacements ranging from 6 inches to 7 feet. Several northwest-southeast trending faults cut through the mine in both seams, in some cases limiting development and in others not disrupting the pattern of mining at all. The displacement along these faults was often not noted on the source map. The source map for the Springfield Coal noted "bad top" along the east side of the mine. This probably prevented expansion in this direction, both for this mine and for Peabody No. 44 Mine's (mine index 129) westward expansion in the same area. There is some faulting in this area as well.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Bankston Creek Collieries Company	Bankston Creek Collieries No. 7	1944-1950	1,452,052
Sahara Coal Company, Inc.	Sahara No. 7	1951-1957 *	944,735
Sahara Coal Company, Inc.	Sahara No. 7	1982-1986	874,926
			3,271,713

\* Idle 1955; last day worked 10-11-1957, mine abandoned 12-15-1959. Reopened in 1982.

Last reported production: September 1986

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_2580_01	12-15-1959	1:2400	1:2400	Final
State archive, ms_31	4-11-1988	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness, mining method.  
 Directory of Illinois Coal Mines (Saline County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Saline County) - Mine type, slope location, seam, depth, thickness, geologic problems.  
 State archive, IL\_2580\_01 - Slope locations, mine outline mining method, geologic problems (Springfield Coal).  
 State archive, ms\_31 - Slope locations, mine outline, mining method, geologic problems (Herrin Coal).



**Mine Index 820**  
**Coulter & McKenna Coal Company, Mayo Mine**

Type: Underground    Total mined-out acreage shown: 5

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

Type	County	Township-Range	Section	Quarters-Footage
Main drift *	Williamson	9S 4E	34	SE NE SE
Air drift *	Williamson	9S 4E	34	SE NE SE
Air drift *	Williamson	9S 4E	34	SE NE SE

\* "Drift" into mine from off the highwall of the of the Delta Mine (mine index 702).

**GEOLOGY**

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

Geologic Problems Reported: The gray shale roof was reported to be excellent. The coal contained pyrite in lenses and nodules. One lens was reported to be 1.5 inches thick and 12 inches long and one nodule was 2 inches high and 6 inches long.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Coulter & McKenna Coal Company	Mayo	1949-1952	<u>26,910</u> 26,910

Last reported production: 1952

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1504_01	11-24-1956	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.  
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Williamson County) - Mine type, drift location, thickness, geologic problems.  
 State archive, IL\_1504\_01 - Drift locations, mine outline, mining method.



**Mine Index 888****Houston Coal Company, Houston No. 2 Mine**

Type: Surface Total mined-out acreage shown: 116 This area includes some portions included under Houston No. 1 (mine index 3261), and may include some un-mined areas (haulage, stockpile, etc.). The production shown for this mine indicates approximately 7 acres were mined.

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Saline	9S 5E	34	NW NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	24			4.83	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Houston Coal Company	Houston No. 2	1968-1971 *	<u>52,603</u> *
			52,603

\* Coal Reports indicate this mine closed January 1971, but no production was reported in 1971.

Last reported production: January 1971

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	(text only)	1:24000 **	Secondary source
Department of Mines & Minerals	Undated			Secondary source

\*\* Point plotted onto 1:24,000 USGS quadrangle and digitized.

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, mine location, seam, mining method.

Department of Mines & Minerals, 7a-01-37, aerial photographic base with surface mines identified - Mine outline.



**Mine Index 909****Sahara Coal Company, Inc., Sahara No. 20 Mine**

Type: Underground    Total mined-out acreage shown: 1,200

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Saline	9S 5E	10	SE NW SW
Air shaft	Saline	9S 5E	10	SW SW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	223	4.0	10.0	4.58-5.83	RPP, some HER *

\* The source map shows what appears to be some pillar removal in the south half of 9-T9S-R5E.

Geologic Problems Reported: Faulting throughout the mine displaced the coal bed in many areas. The amount of displacement was not specified in the ISGS mine notes nor on the source map. In general, the roof was good, but the source map shows "bad top" that apparently halted southward expansion in the southwest quarter of 9-T9S-R5E. Bad top was also a problem in a small area in the NE SW 9-T9S-R5E. Some areas of the mine also displayed rolls.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Sahara Coal Company, Inc.	Sahara No. 20	1969-1983	5,586,580 5,586,580

Last reported production: May 1983

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 10-5-55	6-1983	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, slope location, seam, thickness, geologic problems.

Company map, ISGS Coal Section files, 10-5-55 - Shaft & slope locations, mine outline, mining method, geologic problems.



**Mine Index 911**  
**Sahara Coal Company, Inc., Sahara No. 21 Mine**

Type: Underground    Total mined-out acreage shown: 3,333

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Saline	9S 5E	17	NE SE SE
Air shaft	Saline	9S 5E	17	SE SE SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	210-280		6.0	4.3-5.0	RPP, some LW and HER *

\* Longwall mining was done in the northwestern part of the mine. Pillars were pulled in several areas in the northern and southwestern parts of the mine.

**Geologic Problems Reported:** The roof was good throughout. Falls occurred only along faulted or sheared roof areas. There were many discontinuous faults and fractures.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Sahara Coal Company, Inc.	Sahara No. 21	1970-1993	12,487,858
			12,487,858

Last reported production: 1993

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_793_08	7-1-1993	1:2400	1:2400	Final
Company, 10-5-50	10-20-1994	1:12000	1:12000	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness.  
 Directory of Illinois Coal Mines (Saline County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Saline County) - Mine type, slope location, seam, thickness, geologic problems.  
 State archive, IL\_793\_08 - Shaft & slope locations, mine outline, mining method.  
 Company map, ISGS Coal Section files, 10-5-50 - Mining method.



**Mine Index 947****Harrisburg Coal Company, Harrisburg No. 1 Mine**

Type: Underground    Total mined-out acreage shown: 504

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	27	NE SE NE
Air slope	Williamson	9S 4E	26	NW SW NW
Air shaft	Williamson	9S 4E	26	NE SW SW
Air shaft	Williamson	9S 4E	26	SE NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	70			4.25	MRP, some HER *

\* In some cases, the entire pillar was pulled.

**Geologic Problems Reported:** A fault in the west half of the east half of Section 26, T9S-R4E required an unmined 200 foot corridor to be left, except for entries that provided access to the coal on the east side of the fault. A faulted block prevented mining in the SW SW 26-T9S-R4E. A northeast-southwest trending fault was present in NW NW 26-T9S-R4E. This low-angle reverse fault interfered with the general mine plan. With it, a zone of crushed shale made a bad plane of weakness in the roof. Yet, no apparent displacement of the coal seam took place in some segments of this fault. In most places the roof was excellent, consisting of a medium gray shale that was moderately hard, well-bedded, and finely silty. One area of bad roof was noted on the source map in the northwestern part of the mine. Rolls were present in the mine. The rolls generally trended north-south, creating problems with mining and roof control. 60-inch roof bolts were used in those areas, whereas normally 30-inch bolts were used. The overburden decreased to the south and there was a splitting of the coal in the southern part of the mine. The coal thickness varied over the mine property. Occasional pyrite lenses occurred in the coal, mostly near the top of the seam.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Harrisburg Coal Company, Inc. **	Harrisburg No. 1	1949-1978	<u>1,689,991</u> 1,689,991

\*\* Owned by United Energies, Inc. of West Frankfort

Last reported production: September 1978

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1534_01	10-13-1978	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Williamson County) - Mine type, slope &amp; shaft locations, seam, depth, thickness, mining method, geologic problems.

State archive, IL\_1534\_01 - Slope &amp; shaft locations, mine outline, mining method, geologic problems.



**Mine Index 964****Dwight D. Thomas, Thomas No. 1 Mine**

Type: Surface    Total mined-out acreage shown: 9

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	10S 4E	1	NE NE SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Houchin Creek	22.5	2.7		1.5-2.1	Surface

Geologic Problems Reported: The coal contained a band of pyritic carbonaceous shale 0.1 feet thick, 0.4 feet above the base of the coal.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Dwight D. Thomas	Thomas No. 1	1976-1978	14,684
Fred Cooley	Thomas	1979-1979	<u>not reported</u> *
			14,684

\* Reported (1979 Coal Report, p. 15) idle in December 1979, but 1979 production (if any) not reported

Last reported production: November 1978

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:5280	1:5280	Secondary source
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Williamson County) - Mine type, mine outline (north pit), seam, depth, thickness, geologic problems.

Department of Mines & Minerals, 7a-02-12, aerial photographic base with surface mines identified - Mine outline.



**Mine Index 993**  
**Sahara Coal Company, Inc., Sahara No. 22 Mine**

Type: Underground    Total mined-out acreage shown: 119

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

Type	County	Township-Range	Section	Quarters-Footage
Main drift *	Saline	9S 5E	22	NE SE SE
Air drift *	Saline	9S 5E	22	NE SE SE

\* The source map shows four drift entrances to the mine. These drifts are not labeled separately for air, escape, main haulage, etc. The main haulage route is distinguished by the conveyor shown extending beyond the mine. These drift entrances are off the highwall of Sahara No. 6 Surface Mine (mine index 638).

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	60-100			4.83	CRP

Geologic Problems Reported: According to the mine notes, faults occurred throughout the mine, but these were not shown on the company maps. The source map showed bad top and a roof fall in NW SW NW 23-T9S-R5E, and another roof fall in SE NE NE 22-T9S-R5E. The mine had some problems relating to inadequate bedrock cover. Water came into the mine from roof fractures. Two buried Pleistocene valleys in the north part of the mine cut out bedrock above the workings. Surface subsidence resulted, with more water and some mud coming into the mine at these locations.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Sahara Coal Company, Inc.	Sahara No. 22	1979-1985	<u>422,549</u> 422,549

Last reported production: 1985

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_794_03	9-9-1985	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness, mining method.  
 Directory of Illinois Coal Mines (Saline County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Saline County) - Mine type, drift location, seam, geologic problems.  
 State archive, IL\_794\_03 - Drift locations, mine outline, mining method.



**Mine Index 3261****Houston Coal Company, Houston No. 1 Mine**

Type: Surface Total mined-out acreage shown: 116 This area includes some portions included under Houston No. 2 (mine index 888), and may include some un-mined areas (haulage, stockpile, etc.). The production shown for this mine indicates approximately 40 acres were mined.

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

Type	County	Township-Range	Section	Quarters-Footage
Pit	Saline	9S 5E	27	SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	25-30			4.67-4.83	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Houston Coal Company	Houston No. 1	1955-1967	<u>266,443</u> 266,443

Last reported production: May 1967

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			Seconday source
State archive, MSHA_1274	10-1-1955	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, mine location, seam.

Department of Mines & Minerals, 7a-01-37, aerial photographic base with surface mines identified - Mine outline.

State archive, MSHA\_1274 - Mine location.



**Mine Index 3263****Blue Bird Coal Company, Blue Bird No. 6 Mine**

Type: Underground    Total mined-out acreage shown: 650

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

Type	County	Township-Range	Section	Quarters-Footage
Haulage & fan drift *	Saline	10S 5E	5	SE NW NW
Slope	Saline	9S 5E	31	SE NE SE

\* The source map shows that the drift entrance to the mine is off the highwall of the Delta Mine (mine index 702), and several other drift entrances are possible in this area.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	105-110			4.5-5.0	CRP

Geologic Problems Reported: The source map for the Carmac Mine (mine index 696) indicated that bad roof conditions prevented westward mining for the Blue Bird No. 6 Mine. The source map for this mine showed bad roof conditions in several areas of the mine, mostly concentrated along the northern part of the mine in NW 32-T9S-R5E, and another area on the western side of the mine (SW NE NE 31-T9S-R5E).

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Blue Bird Coal Company	Blue Bird No. 6	1936-1949	3,301,289 3,301,289

Last reported production: April 4, 1949

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1681_03	4-4-1949	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive, IL\_1681\_03 - Drift & slope locations, mine outline, mining method, geologic problems, abandonment date.

Microfilm map, document 353258, reel 03142, frame 201, map of Carmac Mine (mine index 696) - Geologic problems.



**Mine Index 3264****Knickerbocker Coal Company, Knickerbocker No. 1 Mine**

Type: Underground    Total mined-out acreage shown: 37

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Saline	9S 5E	32	SE NE SE
Air shaft	Saline	9S 5E	32	NE NE SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	73			4.67	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
C. C. & Claude McNew	McNew	1939-1939	2,300
C. C. McNew	McNew	1940-1940	5,744
Idle		1941-1945	
Ingram Coal Company	Ingram	1946-1948	71,145
Knickerbocker Coal Company	Knickerbocker No. 1	1949-1952	78,213
			157,402

Last reported production: February 1952

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_2572_01	2-2-1952	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, seam.

State archive, IL\_2572\_01 - Slope &amp; shaft locations, mine outline, mining method.



**Mine Index 3265****Producers Coal Company, Producers Mine**

Type: Surface    Total mined-out acreage shown: 10

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Saline	9S 5E	33	SE SW SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	20-24			4.0	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Producers Coal Company	Producers	1945-1946	<u>59,220</u> 59,220

Last reported production: June 1946

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS Coal Section files	Undated	1:20124	1:20124	Secondary source
USGS topographic map	PR 1990	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, mine location, seam.

ISGS Coal Section files, strip mine updates - Mine outline.

USGS topographic map, Carrier Mills 7.5', 1961, photorevised 1990 - Mine outline.



**Mine Index 3266****Russell Coal Company, Russell No. 1 Mine**

Type: Underground    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
Main slope	Saline	9S 5E	33	SE NW SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	35			4.67	RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Russell Coal Company	Russell No. 1	1946-1947	<u>3,428</u> 3,428

Last reported production: December 1947

**SOURCES OF DATA**

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

\* Point plotted onto 1:24,000 USGS quadrangle and digitized.

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, slope location.



**Mine Index 3267****Blue Bird Coal Company, Blue Bird No. 5 Mine**

Type: Surface Total mined-out acreage shown: 207 Production indicates approximately 50 acres were mined. This area includes Blue Bird No. 3 (mine index 4206) which did not report production, and New Oak Hil No. 6 Mine (mine index 3314) which mined approximately 15 acres. This area may include additional mines.

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Saline	9S 5E	33	SW

**GEOLOGY**

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

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Blue Bird Coal Company	Blue Bird No. 4 *	unknown	none
Blue Bird Sales	Blue Bird	1934-1935 **	2,726
Blue Bird Coal Company	Blue Bird No. 5	1936-1937	<u>371,407</u>
			374,133

\* No production was listed under this name in the annual Coal Reports. The production for this surface mine may have been reported under other surface mines of this company.

\*\* Not reported 1935

Last reported production: 1937

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS Coal Section files	Undated	1:20124	1:20124	Secondary source
State archive, IL_2573_01	6-30-1937	1:2400	1:2400	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Ownership, years of operation.

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

Mine notes (Saline County) - Mine type, mine location.

ISGS Coal Section files, strip mine updates - Mine outline.

State archive, IL\_2573\_01 - Pit identification.



**Mine Index 3268****Lone Star Coal Company, Lone Star Mine**

Type: Underground Total mined-out acreage shown: 27 Approximately 1 acre was mined after the map date. The boundary between this mine and the Henderson & Chamness Mine (mine index 3607) cannot be distinguished. The area shown includes both mines.

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

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Saline	9S 5E	34	SE NE SE
Air shaft	Saline	9S 5E	34	SE NE SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	47			5.0-5.25	MRP

Geologic Problems Reported: A fault trends northwest-southeast on the western side of the mine.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Tanner, Barkus & Company	Tanner, Barkus & Company	1912-1913	2,645
Lone Star Coal Company	Lone Star	1913-1920	49,929
Carrier Mills Coal Company	Carrier Mills	1920-1922 *	1,809
J. O. Slayden	Slayden	1922-1924	16,500
Lone Star Coal Company	Lone Star	1924-1925	600
J. Render & Render Kelly	Render	1925-1925	2,000
Lone Star Coal Company	Lone Star	1926-1936	47,048
Lone Star Coal Company	Lone Star	1936-1937	5,042 **
			125,573

\* Produced less than 10,000 tons in 1922, not reported

\*\* Production after map date

Last reported production: 1937

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352770	11-22-1936	1:2400	1:3314	Not final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, shaft location.

Microfilm map, document 352770, reel 03140, frame 292 - Shaft locations, mine outline, mining method, geologic problems.



**Mine Index 3269**  
**Dodds Coal Company, Dodds Mine**

Type: Underground Total mined-out acreage shown: 37 This mine is partially surfaced mined by Blue Bird No. 2 mine (mine index 3271).

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

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Saline	9S 5E	34	NE NE SW
Air shaft *	Saline	9S 5E	34	NE NE SW
Drifts (2) *	Saline	9S 5E	34	SE NW SE

\*Not shown on accompanying map because of later surface mining by Blue Bird No. 2 Mine (mine index 3271).

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	41			5.0	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Dodds Coal Company	Dodds	1918-1926 **	228,399
			228,399

\*\* Idle 1925

Last reported production: 1926

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_2561_01	7-1-1924	1:2400	1:2400	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth.  
 Directory of Illinois Coal Mines (Saline County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Saline County) - Mine type, shaft location, seam, thickness.  
 State archive, IL\_2561\_01- Shaft, slope & drift locations, mine outline, mine type, mining method.

**Mine Index 3270****Lanham Coal Company, Lanham No. 1 Mine**

Type: Underground    Total mined-out acreage shown: 48

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Saline	9S 5E	34	NE SE NW
Air shaft	Saline	9S 5E	34	SE cor SE NE NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	107			4.67	MRP

Geologic Problems Reported: One source map showed a northwest-southeast trending fault that halted eastward expansion.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Carrier Mills Coal Company	Carrier Mills	1936-1941	111,216
Idle		1942-1947	
B. & W. Coal Company	B. & W. No. 2	1948-1949	17,224
Lanham Coal Company	Lanham No. 1	1949-1953	133,196
			261,636

Last reported production: November 1953

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_2566_01	11-8-1953	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, slope location, seam.

State archive, IL\_2566\_01 - Slope & shaft locations, mine outline, mining method.

ISGS map library, 4103.S32 i5.1-17 - Geologic problems.



**Mine Index 3271****Blue Bird Coal Company, Blue Bird No. 2 Mine**

Type: Surface    Total mined-out acreage shown: 45

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

Type	County	Township-Range	Section	Quarters-Footage
Pit	Saline	9S 5E	34	SE

**GEOLOGY**

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

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Blue Bird Coal Company	Blue Bird No. 2 *		

\* No production was listed under this name in the annual Coal Reports. The production for this surface mine may have been reported under other surface mines of this company (No. 1 is mine index 610, No. 4 is mine index 3267, No. 5 is mine index 4206) or the coal may have been shipped from the tipples for the Blue Bird No. 6 (underground) Mine (mine index 3263).

Last reported production:

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (H. R. Wanless)	8-19-1932	(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)

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

Mine notes (Saline County) - Mine type, pit location, mining method.

ISGS field notes (Saline County) - Pit location, seam, thickness, mining method.

**Mine Index 3273****O'Gara Coal Company, O'Gara No. 15 Mine**

Type: Underground    Total mined-out acreage shown: 708

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

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Saline	9S 5E	35	SE NW NW
Air shaft	Saline	9S 5E	35	SE NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	60			4.0-5.5	MRP

**Geologic Problems Reported:** The source map showed several faults trending northeast-southwest. Faulting appears to have halted westward expansion in the southern half of the mine.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
O'Gara Coal Company	O'Gara No. 15	1909-1910	53,529
Harrisburg-Saline Coal Company	Harrisburg-Saline No. 15	1910-1911	167,916
O'Gara Coal Company	O'Gara No. 15	1911-1914	683,607
Harrisburg-Saline Coal Company	Harrisburg-Saline No. 15	1914-1919	1,125,952
O'Gara Coal Company	O'Gara No. 15	1919-1927	<u>1,776,238</u>
			3,807,242

Last reported production: December 1927

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_2584	3-31-1928	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, shaft location, seam, depth, thickness.

State archive, IL\_2584 - Shaft locations, mine outline, mining method, geologic problems.



**Mine Index 3314****New Gallatin Coal Company, New Oak Hill No. 6 Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 15 acres were mined. This mine is part of a larger mined area which also includes Blue Bird No. 5 (mine index 3267) and Blue Bird No. 3 Mine (mine index 4206). This area may include additional mines.

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

Type	County	Township-Range	Section	Quarters-Footage
Pit	Saline	10S 5E	31	NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	45			4.67	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
New Oak Hill Coal Company	New Oak Hill No. 6	1963-1963	10,803
New Gallatin Coal Company	New Oak Hill No. 6	1964-1964	<u>100,200</u>
			111,003

Last reported production: June 1964

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Saline County) - Mine type, seam.

Department of Mines & Minerals, 7a-02-37, aerial photographic base with surface mines identified - Mine outline.

**Mine Index 3316****Roger Knickerbocker, Blue Blaze Mine**

Type: Underground    Total mined-out acreage shown: 8

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Saline	9S 5E	33	NE NE SE
Air shaft	Saline	9S 5E	34	NW NW SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	50			4.67	MRP

Geologic Problems Reported: Water entering the mine forced its abandonment. This mine was connected underground with Wasson A Mine (mine index 130).

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Blue Blaze Coal Company	Blue Blaze	1938-1939	1,713
W. K. Miller	Blue Eagle	1940-1940	4,700
Blue Blaze Coal Company	Blue Blaze	1941-1941	4,500
Blue Blaze Coal Company *	Blue Blaze	1942-1942	3,379
Blue Blaze Coal Company	Blue Blaze No. 1	1943-1946 **	3,947
Blue Blaze Coal Company ***	Blue Blaze	1947-1948	20,629
Roger Knickerbocker	Blue Blaze	1949-1949	<u>244</u>
			39,112

\* Operated by W. K. Miller

\*\* Idle 1946

\*\*\* Operated by Roger Knickerbocker

Last reported production: 1949

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352801	1-15-1949	1:2400	1:1986	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

Microfilm map, document 352801, reel 03140, frame 348 - Slope &amp; shaft locations, mine outline, mining method, geologic problems.



**Mine Index 3317**  
**Davenport Mining Company, Davenport Mine**

Type: Underground    Total mined-out acreage shown: 21, in a general area of mining. Production indicates approximately 5 acres were mined.

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

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (8.5'x15')	Saline	10S 5E	9	NE NE SW
Air shaft (8'x12')	Saline	10S 5E	9	SW *

\* Not shown on accompanying map because of the lack of an adequate source map for this mine. The 1908 Coal Report described the air shaft.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Davis	60			3.0	RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Davenport Mining Company **	Davenport	1908-1910	15,466
			15,466

\*\* Shown on the source map as Davis Coal Company.

Last reported production: 1910

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	(text only)	1:24000 ***	Secondary source
State archive, PB_296_01	4-18-1968	1:12000	1:12000	Secondary source

\*\*\* Point plotted onto 1:24,000 USGS quadrangle and digitized.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, shaft sizes, mining method.  
 Directory of Illinois Coal Mines (Saline County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Saline County) - Mine type, shaft location, seam.  
 ISGS field notes (Saline County) - Shaft location, depth, thickness.  
 State archive, PB\_296\_01 - General area of mining.

**Mine Index 3318****C. C. McNew & Sons Coal Company, McNew Mine**

Type: Underground Total mined-out acreage shown: 1 Production indicates approximately 11 acres were mined after the map date. This mine is not shown on the accompanying map because the area was later surface-mined by Newcastle No. 2 Mine (mine index 698).

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Saline	10S 5E	21	SE NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Davis					MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
C. C. McNew & Son	McNew No. 2	1934-1937	7,737
C. C. McNew & Son	McNew No. 2	1937-1941 *	12,376 **
C. C. & Claude McNew	McNew	1942-1942	13,984 **
C. C. McNew & Sons Coal Company	McNew	1943-1944	<u>13,527</u> **
			47,624

\* Idle 1940

\*\* Production after map date

Last reported production: 1944

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352782	10-18-1934	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 (Saline County) - Mine names, mine index, ownership, years of operation.

Mine notes (Saline County) - Mine type, slope location.

Microfilm map, document 352782, reel 03140, frame 308 - Slope location, mine outline, mining method.



**Mine Index 3607****Henderson & Chamness, Henderson & Chamness Mine**

Type: Underground Total mined-out acreage shown: 27 The boundary between this mine and the Lone Star Mine (mine index 3268) cannot be distinguished. The area shown includes both mines.

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Saline	9S 5E	34	SW NE SE *
Air shaft	Saline	9S 5E	34	SW NE SE *

\* Not shown on accompanying map because of later surface mining by Blue Bird No. 2 Mine (mine index 3271).

**GEOLOGY**

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

Geologic Problems Reported: Mining to the east was halted by a northwest-southeast trending fault.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Henderson & Chamness	Henderson & Chamness	1918-1923	<u>31,628</u> 31,628

Last reported production: 1923

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352770	11-22-1936	1:2400	1:3144	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Microfilm map, document 352770, reel 03140, frame 292, map of Lone Star Mine (mine index 3268) - Slope & shaft locations, mine outline, mining method.

**Mine Index 4087****Blue Bird Coal Company, Blue Bird No. 7 Mine**

Type: Underground    Total mined-out acreage shown: 502

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	14	SE NE SE
Air shaft	Williamson	9S 4E	13	NW NW SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	185			4.17-4.83	MRP

Geologic Problems Reported: Poor roof conditions may have halted mining to the south and east, since all entries are designated "bad top". Bad top was also noted in NE NW SW and NW SW SW 13-T9S-R4E.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Blue Bird Coal Company	Blue Bird No. 7	1946-1955	2,037,325 2,037,325

Last reported production: March 1955

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-91	9-28-1950	1:2400	1:2400	Not final *
Coal section files, 10-5-50	10-20-1994	1:12000	1:12000	Secondary source *

\* 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.

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

Mine notes (Williamson County) - Mine type, slope location, seam, depth, thickness, geologic problems.

Company map, ISGS map library, 4103.W52 i5.1-91 - Slope & shaft locations, mine outline, mining method, geologic problems.

Coal section files, 10-5-50, map of Sahara No. 21 Mine (mine index 911) - Mine outline (north, southwest).



**Mine Index 4101****Wyvan K. Coal Company, Wyven K. No. 1 Mine**

Type: Surface Total mined-out acreage shown: 13 Production indicates approximately 3 acres were mined. The area shown on the accompanying map is larger than expected for the reported production. Other operators may have mined this location; see the unlocated mines at the back of this report.

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	25	SE SW SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	15-25			5.0-5.5	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Wyvan K. Coal Company	Wyvan K. No. 1	1956-1957	<u>23,895</u> 23,895

Last reported production: May 1957

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mine & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, seam, thickness, mining method.  
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Williamson County) - Mine type, seam, depth.  
 Department of Mines & Minerals, 7a-02-12, aerial photographic base with surface mines identified - Mine outline.  
 W.J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Mine location.

**Mine Index 4103****Black Diamond Coal Company, Black Diamond No. 1227 Mine**

Type: Underground Total mined-out acreage shown: 6 Not shown on accompanying map because the area was later surface-mined by the Delta Mine (mine index 702). Production indicates approximately 2 acres were mined after the map date.

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

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Williamson	9S 4E	26	NW NW NE
Air shaft	Williamson	9S 4E	26	NW NW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin					MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Black Diamond Coal Company *	Black Diamond No. 1227	1934-1942	23,198
Black Diamond Coal Company	Black Diamond No. 1227	1942-1946	8,108 **
			31,306

\* Charles Ramsey, owner

\*\* Production after map date

Last reported production: 1946

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-52	9-15-1942	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 (Williamson County) - Mine names, mine index, ownership, years of operation.

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

Company map, ISGS map library, 4103.W52 i5.1-52 - Drift & shaft locations, mine outline, mine type, mining method.



**Mine Index 4107**  
**Blue Bird Coal Company, Turner Mine**

Type: Underground    Total mined-out acreage shown: 404    This mine is partially surface mined by Delta Mine (mine index 702).

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	27	SW SW NE
Air shaft	Williamson	9S 4E	27	NE SW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	71-91			4.17-4.67	RPP

Geologic Problems Reported: The source map shows bad top in the E ½ Section 27, T9S-R4E and in the NW NE 22-T9S-R4E.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Turner Coal Corporation	Turner No. 1	1944-1948	443,451
Little Creek Coal Company	Little Creek No. 1	1949-1953 *	35,760
Independent Coal Company	Turner No. 1	1954-1954	440
McHorn Coal Company	Old Turner	1955-1959	177,666
Norman Coal Company	Turner	1959-1962	319,925
Blue Bird Coal Company	Turner	1963-1968	<u>925,380</u>
			1,902,622

\* Idle 1953

Last reported production: August 1968

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353294	9-21-1968	1:2400	1:4634	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Williamson County) - Mine type, slope location, seam.

Microfilm map, document 353294, reel 03142, frames 252, 253 - Slope & shaft locations, mine outline, mining method.

**Mine Index 4142**  
**Hill Coal Company, Hill Mine**

Type: Underground    Total mined-out acreage shown: 9    This mine is partially surface mined by Delta Mine (mine index 702).

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope *, **	Williamson	9S 4E	34	SE SE SE
Air shaft *	Williamson	9S 4E	34	NE SE SE

\* Not shown on accompanying map because of later surface mining by Delta Mine (mine index 702).

\*\* The main slope is used as an air/escapment for Hill No. 2 (mine index 4143).

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	30			4.17-4.25	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
W. N. Hill	Hill	1917-1923 ***	2,300
Hill & McInturff	Hill & McInturff	1923-1924	50
W. N. Hill	Hill	1925-1933	22,928
J. W. Hill	Hill	1934-1934	3,990
Hill Coal Company	Hill	1935-1937	6,700
			<u>35,968</u>

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

Last reported production: 1937

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-69	5-22-1940	1:1200	1:1200	Final
State archive, IL_1499_01	9-12-1937	1:1200	1:1406	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Williamson County) - Mine type, shaft location, seam, depth, thickness.

State archive, IL\_1499\_01 - Slope & shaft locations, mine outline, mining method.



**Mine Index 4143**  
**Hill Coal Company, Hill No. 2 Mine**

Type: Underground Total mined-out acreage shown: 1 Most of the mine is not shown on the accompanying map because of later surface mining by the Delta Mine (mine index 702).

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope *	Williamson	9S 4E	34	SE SE SE

\* The slope for Hill Mine (mine index 4142) was used for air/escapement, and no other air shaft was constructed. This slope is not shown on the accompanying map because of later surface mining by Delta Mine (mine index 702).

**GEOLOGY**

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

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Hill Coal Company	Hill No. 2	1938-1940	<u>4,927</u> 4,927

Last reported production: 1940

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-69	5-22-1940	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.  
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.  
 Company map, ISGS map library, 4103.W52 i5.1-69 - Slope location, mine outline, mine type.

**Mine Index 4145****Towery Brothers, Towery Mine**

Type: Underground Total mined-out acreage shown: 1 Production indicates less than 1 acre was mined after the map date. This mine connected underground to Helm Mine No. 3 (mine index 4149).

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	35	SE SW SW
Air shaft	Williamson	9S 4E	35	SE SW SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	20			4.33	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Prosperity Coal Company	Prosperity	1935-1936	1,742
Prosperity Coal Company	Prosperity	1936-1937	740 *
Towery Brothers	Towery	1937-1938	1,485 *
			3,967

\* Production after map date

Last reported production: 1938

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353128	2-8-1937	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 (Williamson County) - Mine names, mine index, ownership, years of operation.

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

Microfilm map, document 353128, reel 3141, frame 363 - Slope & shaft locations, mine outline, mining method.



**Mine Index 4146**  
**Amos O. Strobel, Strobel Mine**

Type: Underground    Total mined-out acreage shown: 20

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	34	SW SW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	65			4.33	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Amos O. Strobel	Strobel	1935-1943	<u>43,205</u> 43,205

Last reported production: 1943

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1507_01	3-22-1961	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.  
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Williamson County) - Mine type, slope location, seam, depth, thickness.  
 State archive, IL\_1507\_01 - Slope location, mine outline, mining method.

**Mine Index 4147****Brantley Coal Company, Brantley Mine**

Type: Underground    Total mined-out acreage shown: 29

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	34	NW NW NE
Air shaft	Williamson	9S 4E	34	NE NW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	67-70			4.33	MRP

Geologic Problems Reported: The source map shows an area in the NW NE of section 34 that caved.

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
A. O. Strobel Coal Company	Strobel	1945-1957 *	80,556
Brantley Coal Company	Brantley	1958-1959	<u>6,759</u>
			87,315

\* Idle 1955-1957

Last reported production: 1959

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1507_01	3-22-1961	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Williamson County) - Mine type, slope location, depth.

State archive, IL\_1507\_01 - Slope & shaft locations, mine outline, mining method, geologic problems.



**Mine Index 4149**  
**Helm Coal Company, Helm No. 3 Mine**

Type: Underground    Total mined-out acreage shown: 16    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 slope *	Williamson	9S 4E	35	SW SE SW
Air shaft *	Williamson	9S 4E	35	SW SE SW

\* The mine was also connected underground to the Towery Mine (mine index 4145), which may have aided ventilation or provided escapement.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	72			4.5	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Bloodworthy, Treece & Horsley	Bloodworthy, Treece & Horsley	1935-1936	3,603
Helm Coal Company	Helm No. 3	1937-1948 **	43,541
Helm Coal Company	Helm No. 3	1948-1951	<u>10,218</u> ***
			57,362

\*\* Idle 1941

\*\*\* Production after map date

Last reported production: February 1951

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-71	5-1948	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Williamson County) - Mine type, slope location, seam.

Company map, ISGS map library, 4103.W52 i5.1-71 - Slope & shaft locations, mine outline, mining method.

**Mine Index 4150****Two Way Coal Company, Two Way Mine**

Type: Underground    Total mined-out acreage shown: 1    This mine is not shown on the accompanying map because the area was later surface-mined by the Delta Mine (mine index 702).

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	35	SE NE SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	25			5.67	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Two Way Coal Company	Two Way	1935-1937	<u>1,007</u> 1,007

Last reported production: 1937

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_522_01	11-1-1937	1:1200	1:1200	Final
ISGS Coal Section files	7-1-1952	1:2400	1:2400	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.  
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Williamson County) - Mine type, seam, depth, thickness.  
 State archive, MSHA\_522\_01 - Slope location, mine outline, mining method.  
 ISGS Coal Section files, map of Delta Mine (mine index 702) - Mine location.



**Mine Index 4151****Producers Mining Company, Producers No. 2 Mine**

Type: Surface    Total mined-out acreage shown: None    Production indicates approximately 15 acres were mined.

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	35	NW NE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	20-25			4.0-8.0	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Barchrist Mining Company	Barchrist	1947-1947	74,325
Producers Mining Company	Producers No. 2	1948-1948	22,362
			96,687

Last reported production: May 1948

**SOURCES OF DATA**

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

\* Point plotted onto 1:24,000 USGS quadrangle and digitized.

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Williamson County) - Mine type, tipple / pit location, seam, depth, thickness.

**Mine Index 4152****Regenhardt & Southern Construction Company, Black No. 2 Mine**

Type: Surface    Total mined-out acreage shown: None    Production indicates approximately 17 acres were mined.

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

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	9S 4E	36	SE NE NW *

\* This company may also have mined part of the pit in NE NW NW 36-T9S-R4E. The source map was too unclear to rule this out.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	12-35			4.87-5.92	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Regenhardt & Southern Construction Co.	Black No. 2	1947-1950	<u>145,145</u> 145,145

Last reported production: March 1950

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353241 **	Undated	1:4800	1:5800	Undated

\*\* The map has no valid georegistration points, being more a sketch than a map, so an uncertain location point was used.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 353241, reel 03142, frame 182 - General location of mining, mining method.



**Mine Index 4158****Fretto Construction Company, Fretto Mine**

Type: Surface Total mined-out acreage shown: None Production indicates about 1 acre was mined.  
Not shown on accompanying map because of uncertain location.

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	22	NE *

\* The location for this mine is very uncertain. Varying accounts in the ISGS Mine Notes place this mine in several different locations. Based on the information given, the location given above is the most likely location for this mine. This area was later mined by the AMAX Delta surface mine (mine index 702).

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin					Surface
Springfield	25			5.33	

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Fretto Construction Company	Fretto	1945-1945	9,089
			9,089

Last reported production: November 1945

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:62500	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Williamson County) - Mine type, pit location, seam, depth, thickness.

**Mine Index 4162****Harris & Hanks, Harris & Hanks Mine**

Type: Underground    Total mined-out acreage shown: None    Production indicates less than 2 acres were mined.

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

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 4E	35	SE SE SE *

\* This location is very uncertain. The mine notes indicated the mine was in T10S, but a flood plain exists at that location, which makes that location very unlikely. This mine is not shown on the accompanying map because of later surface mining by Amax Coal Company (mine index 702).

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield					RP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Harris Brothers	Harris	1932-1935	7,110
Harris & Hanks	Harris & Hanks	1935-1936	800
			<u>7,910</u>

Last reported production: 1936

**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 (Williamson County) - Mine names, mine index, ownership, years of operation.

Mine notes (Williamson County) - Mine type, shaft location.



**Mine Index 4197****R. & F. Coal Company, R. & F. No. 1 Mine**

Type: Surface    Total mined-out acreage shown: 16    Production indicates approximately 3 acres were mined.

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Saline	9S 5E	34	SW SW SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	25-30			4.0	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Herod Mining Corporation	Herod No. 3	1965-1965	6,466
R. & F. Coal Company	R. & F. No. 1	1966-1966	14,320
			20,786

Last reported production: August 1966

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			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 (Saline County) - Mine names, mine index, ownership, years of operation.  
 Department of Mines & Minerals, 7a-01-38, aerial photographic base with surface mines identified - Mine outline.

**Mine Index 4205****Heck & Keating Coal Company, Heck & Keating 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
Tipple / pit	Saline	9S 5E	27	NW NE SW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin					Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Porter & Shadowen	Porter & Shadowen	1957-1957	3,200
Heck & Keating Coal Company	Heck & Keating	1958-1958	<u>726</u>
			3,926

Last reported production: May 1958

**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, seam, mining method.

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

Mine notes (Saline County) - Mine type, mine location.

**Mine Index 4206****Blue Bird Coal Company, Blue Bird No. 3 Mine**

Type: Surface Total mined-out acreage shown: 207 Production for this mine is unknown. This mine is part of a larger mined area which also includes Blue Bird No. 5 (mine index 3267) and New Oak Hill No. 6 Mine (mine index 3314). This area may include additional mines.

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Saline	9S 5E	31	SW SE SE

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	30			4.0	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Blue Bird Coal Company	Blue Bird No. 3*		

\* No production was listed under this name in the annual Coal Reports. The production for this surface mine may have been reported under other surface mines of this company (No. 1 is mine index 610, No. 2 is mine index 3271, No. 5 is mine index 3267) or the coal may have been shipped from the tipple for the Blue Bird No. 6 (underground) Mine (mine index 3263).

Last reported production:

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS Coal Section files	Undated	1:20124	1:20124	Secondary source

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Saline County) - Mine names, mine index, ownership.  
 ISGS field notes (Saline County) - Mine location, seam, depth, thickness, mining method.  
 ISGS Coal Section files, strip mine updates - Mine outline.



**Mine Index 4209**  
**Morse Coal Company, Morse Mine**

Type: Surface    Total mined-out acreage shown: 5    Production indicates approximately 3 acres were mined.

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	36	NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	15			4.5	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Morse Coal Company *	Morse	1964-1964	18,528
Leamington Coal Company	William Morse	1965-1965	not reported
George Turner	Turner	1966-1966	<u>not reported</u> *
			18,528

\* Re-opened, then again abandoned in March 1966; production (if any) not reported

Last reported production: September 1964

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			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 (Williamson County) - Mine names, mine index, ownership, years of operation.  
 Mine notes (Williamson County) - Mine type, pit location.  
 Department of Mines & Minerals, 7a-02-12, aerial photographic base with surface mines identified - Mine outline.

## Mine Index 4489

Type: Surface Total mined-out acreage shown: None The years of operation, ownership and production are unknown. This small surface mine was later enlarged by the Will Scarlet Mine (mine index 697).

### SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	10S 4E	15	SE

### GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Dekoven	20			1.67	Surface
Davis	21 (with 9' interburden)			1.33 & 2.0	Surface

Geologic Problems Reported:

### PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
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Last reported production:

### SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (W. E. Parham)	1961	(text only)	1:24000 *	Secondary source

\* Point plotted onto 1:24,000 USGS topographic map and digitized.

Annotated Bibliography (data source, brief description of information)

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

**Mine Index 4581****Johnson Coal Company, Johnson No. 1 Mine**

Type: Surface    Total mined-out acreage shown: 3    Production indicates approximately 4 acres were mined.

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

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Saline	9S 5E	34	NW NW NW

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	25			4.5-5.0	Surface

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Johnson Coal Company	Johnson No. 1	1948-1949	<u>25,958</u> 25,958

Last reported production: December 1949

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	(text only)	1:24000 *	Secondary source
State archive, MSHA_1274	10-1-1955	1:1200	1:1200	Secondary source

\* Point plotted onto 1:24,000 USGS quadrangle and digitized.

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive, MSHA\_1274 - Mine location.



**Mine Index 4629****Coy Rodgers Coal Company, Rodgers Mine**

Type: Underground Total mined-out acreage shown: Less than 1 acre Not shown on accompanying map because of later surface-mining by the Will Scarlet Mine (mine index 697). Less than 1 additional acre was mined after the map date.

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

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	10S 4E	13	NW SW SW
Air shaft *	Williamson	10S 4E	13	NW SW SW

\* The 1939 version of the source map shows an air shaft under construction west of the mine. On the 1942 source map, that air shaft is labeled "abandoned" and another air shaft was constructed south of the mine, in line with southward advancement of the mining.

**GEOLOGY**

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Davis				2.83	MRP

Geologic Problems Reported:

**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Coy Rodgers Coal Company	Rodgers	1938-1942 **	436
Coy Rodgers Coal Company	Rodgers	1942-1943	<u>381</u> ***
			817

\*\* Idle 1940 & 1941

\*\*\* Production after map date

Last reported production: 1943

**SOURCES OF DATA**

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353172	8-21-1942	1:1200	1:1406	Not final

Annotated Bibliography (data source, brief description of information)

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

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

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

Microfilm map, document 353172, reel 03142, frames 59, 60 - Slope & shaft locations, mine outline, mining method.

## OTHER MINES SHOWN ON THE CARRIER MILLS QUADRANGLE

Mine Index 3262 Lewis Brothers Coal Company \* 29-T9S-R5E, Herrin Coal, 5.5' thick source: ISGS mine notes, ISGS field notes (E. T. Benson, 7-8-1935)

Mine Index 4099 Lanthrop Coal Bank SE SE SW 23-T9S-R4E, Herrin Coal, 5.33' thick source: ISGS field notes (G. H. Cady, 7-2-1925)

Mine Index 4100 SW SE SW 24-T9S-R4E, surface, Herrin Coal source: ISGS field notes (G. H. Cady, 7-2-1925), ISGS mine notes

Mine Index 4102 NE SE NW 26-T9S-R4E, surface, Herrin Coal, 4.0-4.5' thick source: ISGS field notes (G. H. Cady, 7-6-1925), ISGS mine notes

Mine Index 4108 Chaney's Coal Bank SE NW NE 24-T10S-R4E, Davis Coal source: ISGS field notes (A. D. Brokaw, 7-21-1916), Federal Land Bank Report

Mine Index 4144 Adams Drift \* NW SE SE 34-T9S-R4E, Springfield Coal source: ISGS mine notes

Mine Index 4208 \* SW NW SE 35-T9S-R4E, drift, Herrin Coal source: ISGS mine notes, ISGS field notes (G. H. Cady, 7-4-1925; H. R. Wanless, 1932; J. M. Weller, 1928)

Mine Index 4210 Trounell's Drift SE NE NE 24-T10S-R4E, Davis Coal source: ISGS field notes (A. D. Brokaw, 7-21-1916)

Mine Index 4212 NE SE SW 14-T10S-R4E, slope, Davis/Dekoven Coals source: ISGS field notes (G. H. Cady, 7-14-1925)

Mine Index 4476 NW NE NE 36-T9S-R4E, surface, Herrin Coal source: ISGS field notes (G. H. Cady, 7-8-1925)

Mine Index 4491 \* NW NE NW 24-T10S-R4E, drift, Davis Coal source: ISGS field notes (A. D. Brokaw, 7-21-1916)

Mine Index 4497 NW NW SW 13-T10S-R4E, drift, Davis Coal, 2.75' thick source: ISGS field notes (G. H. Cady, 7-14-1925)

Mine Index 4683 SE SE SE 27-T9S-R5E, slope, Springfield Coal source: Microfilm map, document 352839, reel 3140, frames 425-441, map of Sahara No. 5 Mine (mine index 664)

Mine Index 4737 Stonefort Coal Company SE NE SW 16-T10S-R5E, Davis Coal source: ISGS mine database

Mine Index 4738 \* SE SW SE 17-T10S-R5E, Davis Coal source: Federal Land Bank Report

Mine Index 4739 NE NW NW 19-T10S-R5E, drift, Davis Coal source: ISGS mine database

Mine Index 4740 \* SW NE NE 21-T10S-R5E, Davis Coal source: Federal Land Bank Report

Mine Index 4741 McNew Coal Company \* SE NW NE 21-T10S-R5E, Davis Coal source: Federal Land Bank Report

Mine Index 4742 SE NE NW 21-T10S-R5E, Davis Coal source: State archive, IL\_2560\_01, map of Newcastle No. 2 Mine (mine index 698)

Mine Index 6573 W½ NE SE 26-T9S-R4E, surface, Herrin Coal source: Catalog of Coal Mines in Williamson County (W. John Nelson, 2003); USGS topographic map, Carrier Mills, 1961, Photorevised 1990; Department of Mines & Minerals, 7a-02-12

Mine Index 6609 NE NE SW 26-T9S-R4E, surface, Herrin Coal source: Catalog of Coal Mines in Williamson County (W. John Nelson, 2003); USGS topographic map, Carrier Mills, 1961, Photorevised 1990; Department of Mines & Minerals, 7a-02-12

Mine Index 6905 NE SW SE 24-T10S-R4E, drift, Mt. Rorah Coal source: John Nelson, personal communication, February, 2003.

Mine Index 6911 E½ SW SW 23-T9S-R4E, drift, Herrin Coal source: ISGS field notes (H. R. Wanless, 8-14-1932)

Mine Index 7908 SE NW SW 35-T9S-R9E, drift, Springfield Coal source: State archive, IL\_2584, map of O'Gara No. 15 Mine (mine index 3273); Microfilm map, document 352769, reel 3140, frame 291, map of Blue Bird Mine (mine index 610)

Mine Index 7909 \* SW NE NE 20-T10S-R5E, drift, Davis/Dekoven Coals source: Federal Land Bank Report

Mine index 7910 \* NE NE NW 21-T10S-R5E, drift, Davis/Dekoven Coals source: Federal Land Bank Report, ISGS field notes (J. M. Weller, 9-3-1926)

Mine Index 7911 NW SE SE 22-T10S-R4E, shaft source: Federal Land Bank Report

Mine Index 7912 SW SE SE 15-T10S-R4E, shaft source: Federal Land Bank Report

Mine Index 7913 SE SE SE 15-T10S-R4E, shaft source: Federal Land Bank Report

Mine Index 7914 NE SW SW 14-T10S-R4E, drift source: Federal Land Bank Report

Mine Index 7915 SW SE NW 14-T10S-R4E, drift source: Federal Land Bank Report

Mine Index 7916 NE NE SW 14-T10S-R4E, drift source: Federal Land Bank Report

Mine Index 7917 SW NE SE 14-T10S-R4E, drift source: Federal Land Bank Report

Mine Index 7918 SE SE SW 14-T10S-R4E, shaft source: Federal Land Bank Report

Mine Index 7919 NW SE SE 14-T10S-R4E, drift source: Federal Land Bank Report

Mine Index 7920 SW SE NW 13-T10S-R4E, drift source: Federal Land Bank Report

Mine Index 7921 NE SE SW 13-T10S-R4E, drift source: Federal Land Bank Report

Mine Index 7922 NE SW SE 13-T10S-R4E, drift source: Federal Land Bank Report

Mine Index 7923 NW SE SE 13-T10S-R4E, drift source: Federal Land Bank Report

\* Not shown on accompanying map because of later surface mining.

## **MINES WHOSE LOCATIONS ARE NOT KNOWN ON THE CARRIER MILLS 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 Carrier Mills 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 377,167 (294,411 underground and 30,382 surface mined and 52,374 by uncertain method), which would represent approximately 65 to 115 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

### **CARRIER MILLS (Saline County)**

Henshaw (W. R.), 1910-1916, drift, Springfield, 8-65, 4.0-5.5, RP	31,060 tons
Fife (W. J.), 1916-1917	2,500 tons
Henshaw Mining Company, 1917-1918	1,000 tons
Fife (W. J.), 1918-1920	750 tons
Fife & Tauber, 1920-1921	<u>750 tons</u>
	36,060 tons
Fife (George), 1934-1936, underground	1,166 tons
Moore & McDonald, 1910-1912, slope, Springfield, 33-80, 3.67-4.0, RP	752 tons
Moore & McDonald, 1914-1915, shaft, Springfield, 47, 5.5, RP	6,675 tons
Harris Coal Company, 1917-1918	2,600 tons
Flannell (Ed) Coal Company, 1925-1925	820 tons
Hamel (Ed), 1926-1926	<u>550 tons</u>
	1,370 tons
Cowgill (R. E.), 1925-1925	28 tons
Carolan (W. P.) & Company, 1934-1935, surface	9,965 tons
Brown (Ralph D.), 1935-1935, surface	706 tons
Flannell (Ed), 1937-1937, underground	106 tons
Melton (Roy), 1941-1941, underground	181 tons
Herkel & McDonald Coal Company, No. 1 Mine, 1953-1954, surface	8,499 tons

### **ELDORADO (Williamson County)**

Jay & Kay Coal Company, 1958-1958, surface, Herrin, 18, 8.0	560 tons
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### **ELIZABETHTOWN (Saline County)**

Adams Coal Company, 1957-1957, surface	4,172 tons
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### **NEW BURNSIDE (Saline County)**

Cox (Wiley), 1883-1885, drift, Herrin, 15-40, 2.33-2.83, RP	2,172 tons
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Dupont (John), Union Mine, 1885-1889 \*, slope / drift, -, 35-40, 3.33-3.5, RP 36,000 tons

\* No production was reported in 1888 or 1889, although an injury was reported from falling roof in 1889, indicating that the mine was operating.

#### **NEW BURNSIDE** (Williamson County)

Chester Coal Company, 1920-1921 300 tons

Heaton (William), 1929-1929, surface 260 tons

#### **SOUTH AMERICA** (Saline County)

Curtner (John), 1889-1891, surface, Herrin, 10, 5.0 730 tons

Curtner (Daniel), 1891-1893 852 tons

1,582 tons

Speare (Philip), 1889-1891, surface, Herrin, -, 5.0 1,000 tons

Harris (W. W.), 1889-1890, surface, Herrin, -, 5.33 320 tons

Harris & Motsinger, 1890-1891 560 tons

880 tons

Rush (W. V.), 1889-1890, surface, Herrin, -, 5.0 600 tons

Rush & Shanks, 1890-1891 2,206 tons

2,806 tons

Thompson (Bryant), 1890-1891, surface, Herrin, -, 5.0 256 tons

Stiff (Noah), 1895-1899, drift, Herrin, 10-15, 5.0, RP 695 tons

#### **STONEFORT** (Saline County)

Mason & Allsopp, Newcastle Mine \*, 1883-1885 11,520 tons

New Castle Coal Company, Newcastle Mine, 1885-1886 1,400 tons

Allsopp & Company, New Castle Mine (re-opened), 1888-1891 51,613 tons

Davenport & Company, New Castle Mine, 1891-1893 63,117 tons

Davenport & Allsop, New Castle Mine, 1893-1895 46,256 tons

Herrin or Springfield Coal, shaft, 40, 3.33-3.5, RP 173,906 tons

\* This mine was known locally as the Craphat Mine. Mary Norman Lindsay indicated in *Coal Mines in Saline County* that this mine operated until about 1906 or 1907 before being abandoned. There may be other operators after these shown here.

Berzine (Abraham), 1883-1884, drift, Herrin, 15, 2.33, RP 240 tons

Ogden & Stikes, 1883-1884, drift, Herrin, 15, 2.33, RP 160 tons

Burgan (Jabez), 1886-1888, shaft, [#3], 20, 3.5, RP 1,038 tons

Burgan (A.), 1887-1888 52 tons

Johnson (J. F.), 1887-1890, drift, [#3??], -, 3.0, RP 346 tons

Stagner (P. B.), 1890-1891 135 tons

481 tons

Sittig (Henry P.), 1889-1903, drift, -, 20-40, 3.0-3.33, RP 7,418 tons

Butler (William), 1896-1902, drift, -, 12-18, 3.0, RP 2,590 tons

Stephens (W. J.), 1896-1898, slope/drift, -, 20-40, 3.0-3.33, RP 220 tons

Chaney (John), 1898-1902 370 tons

590 tons

Stagner (P. D.), 1896-1898, slope, —, 25, 3.0-3.33, RP	275 tons
Teal & Williams, 1898-1899	<u>280 tons</u>
	555 tons
Trammel (Charles), 1898-1899, drift, Springfield, 40, 3.0, RP	100 tons
Cogdill (Andy C.), 1898-1903, drift, —, 30, 3.0, RP	513 tons
Reeder (J. M.), 1901-1902, drift, Herrin, 30, 3.0, RP	40 tons
Hudgens & Reeder, 1902-1903	<u>200 tons</u>
	240 tons
Dunn (Lewis), 1905-1907, drift, Springfield, 20, 3.5-4.0, RP	194 tons
Dunn (L. G.), 1910-1912, slope, Springfield, 25-125, 3.0-4.0, RP	400 tons
Dunn (Lewis), 1914-1919, drift, Springfield, 8-25, 3.25-3.67, RP	1,685 tons
Dunn (Logan), 1905-1907, drift, Springfield, 20, 3.5-4.0, RP	102 tons
Dunn (J. L.), 1910-1912, slope, Springfield, 25-90, 3.0-4.0, RP	139 tons
Dunn (Logan), 1915-1916, drift, Danville, 12, 3.67, RP	35 tons
Dunn (Logan), 1914-1920, drift, Springfield, 10-25, 3.25-3.67, RP	443 tons
Travelstead (William), 1907-1908, slope, Springfield, 10, 4.0, RP	2,400 tons
Scapel (Sheet), 1907-1908, slope, Springfield, 10, 4.5, RP	2,375 tons
Cogdill (John), 1911-1914, slope, Springfield, 10-25, 3.5-4.0, RP	844 tons
Biggs (Henry), 1913-1917, slope, Springfield, 10-18, 3.5-4.0, RP	1,380 tons
Ross (Pat H.), 1915-1917, slope, Springfield, 20, 3.67, RP	220 tons
Saline Creek Coal Company, 1917-1918	1,492 tons
Johnson & Kesner, 1918-1919	300 tons
Eddy (Walter), 1922-1926, underground	5,317 tons
Parton & Henshaw, 1927-1927	2,856 tons
Henshaw (R. H.), 1928-1928	<u>150 tons</u>
	8,323 tons

#### **STONEFORT** (Williamson County)

Sittig (H. P.), 1909-1910, slope, Herrin, 10, 4.0, RP	246 tons
Roberson (C. D.), 1909-1910, drift, Herrin, —, 4.0, RP	115 tons
Reynolds (Jack), 1919-1920	226 tons
Wilhelm (Leo), 1920-1921	1,600 tons
Dreaton (George), 1920-1921	400 tons
Cowsert (John), 1922-1923	120 tons
Bearsley & Holmes, 1925-1925	3,150 tons
Neely (Guinn), 1928-1928, underground	50 tons
Ledford (Seigel), 1934-1934, underground	2,000 tons

Parton (Evert), 1934-1934, underground

330 tons



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