

Coal Mines in Illinois Herrin Quadrangle

Franklin & Williamson Counties, Illinois

Herrin Coal

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

Mining Method

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

Other Areas Depicted

- Non-Coal Mines

Source of Mine Outline

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

Tipple, Shaft, Slope, Drift Locations

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

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.

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

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

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

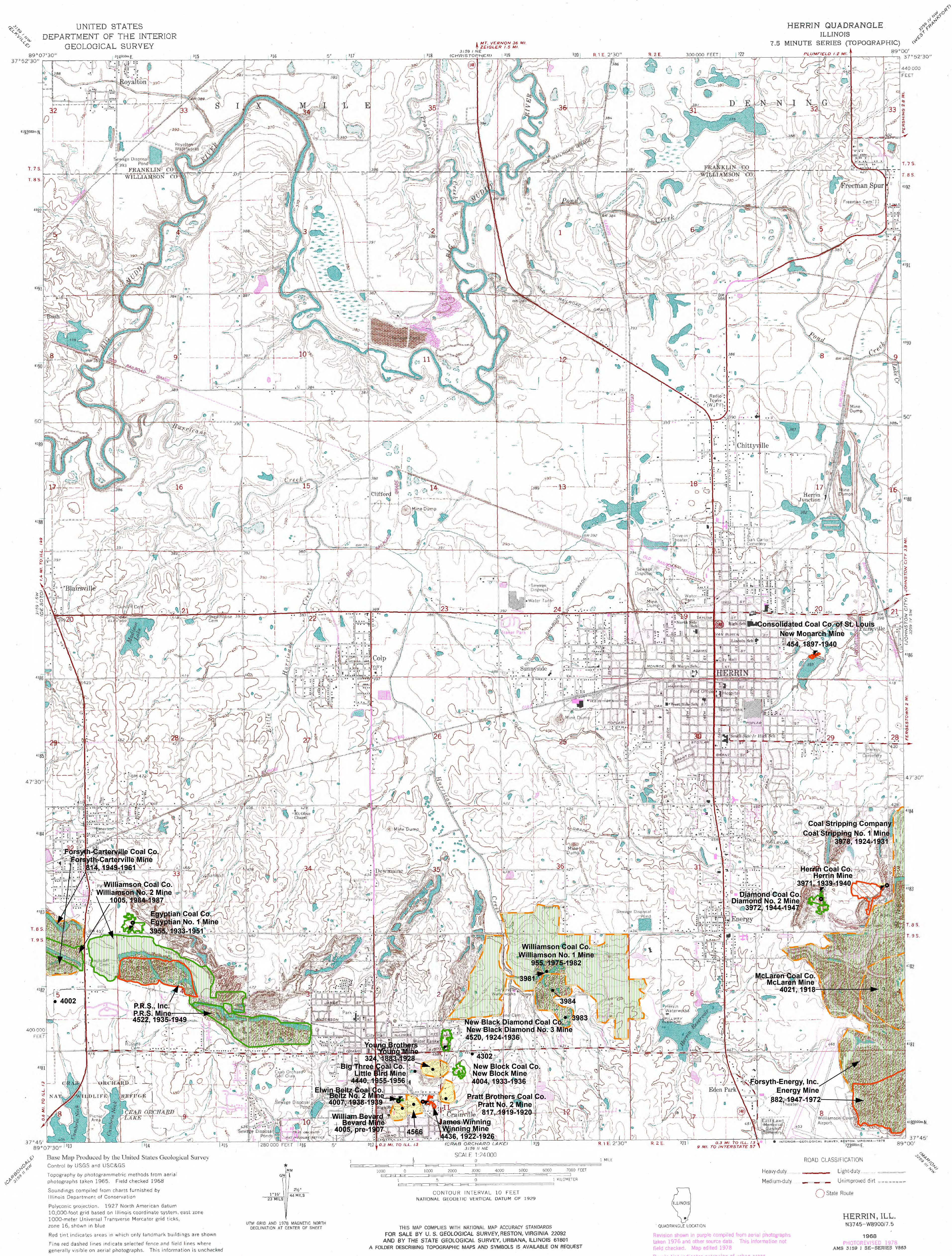
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Mine Outlines Compiled by
Alan R. Myers

June 26, 2006
Revised February 1, 2023



Coal Mines in Illinois Herrin Quadrangle

Franklin & Williamson Counties, Illinois

Springfield Coal

This map accompanies the Coal Mines Directory for the Herrin Quadrangle and map of mines in the Herrin Coal, Herrin 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

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- Secondary Source Map

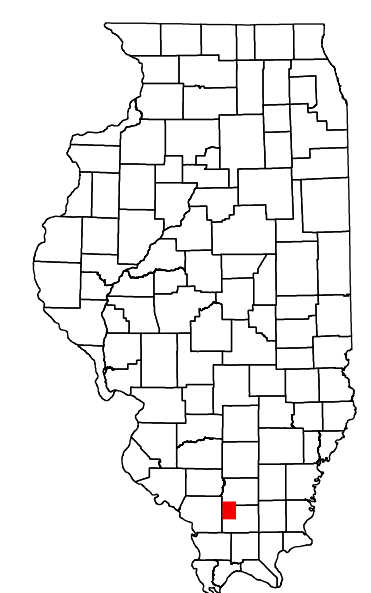
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- Mine Shaft - Active
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- Uncertain Type of Opening

Other Points Depicted

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Location



Mine Annotation (space permitting)

Company
Mine Name
ISGS Index No., Years of Operation

Disclaimer

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June 26, 2006
Revised February 1, 2023

DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES HERRIN QUADRANGLE WILLIAMSON & FRANKLIN COUNTIES

Alan R. Myers



Department of Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY
2006
Revised 2022

**DIRECTORY OF COAL MINES IN ILLINOIS
7.5-MINUTE QUADRANGLE SERIES
HERRIN QUADRANGLE
WILLIAMSON & FRANKLIN COUNTIES**

2006
Revised 2022

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

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

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

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INTRODUCTION

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

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

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

MINING IN THE HERRIN QUADRANGLE

The earliest known coal mining in Williamson County began around 1870 near Carterville. The Carbondale Coal & Coke Company operated at least two mines nearby, the Dodd shaft (mine index 6910) and the Laflin slope (mine index 5973). The Herrin Coal reportedly averaged 9 feet thick in this area, and was often 60 feet deep or less. The Springfield Coal was also mined in this quadrangle, mostly in surface mines, but some small underground mines were operated in this seam as well.

The most recent mining in the Herrin Quadrangle ended in 2003, when the S. Coal Company's Cambria No. 1 Mine (mine index 1027) closed. Several other surface mines stripped coal up to the early 1980s, some mining both the Herrin and the Springfield Coals. In many cases, they only took the pillars left from previous underground mining in the Herrin Coal.

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.

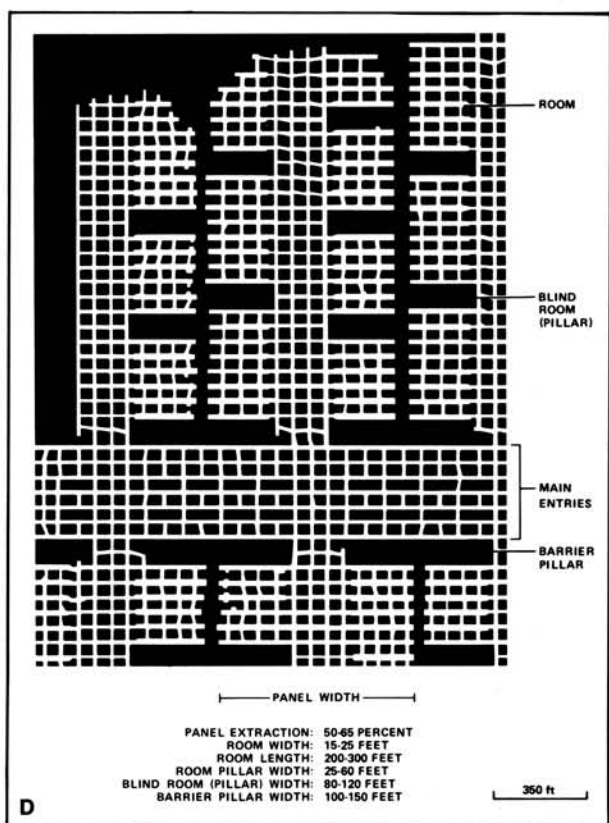
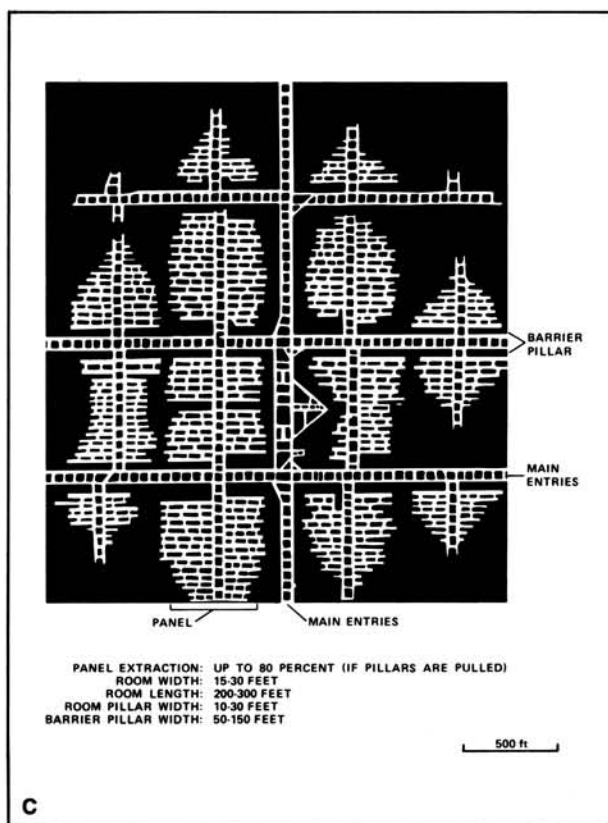
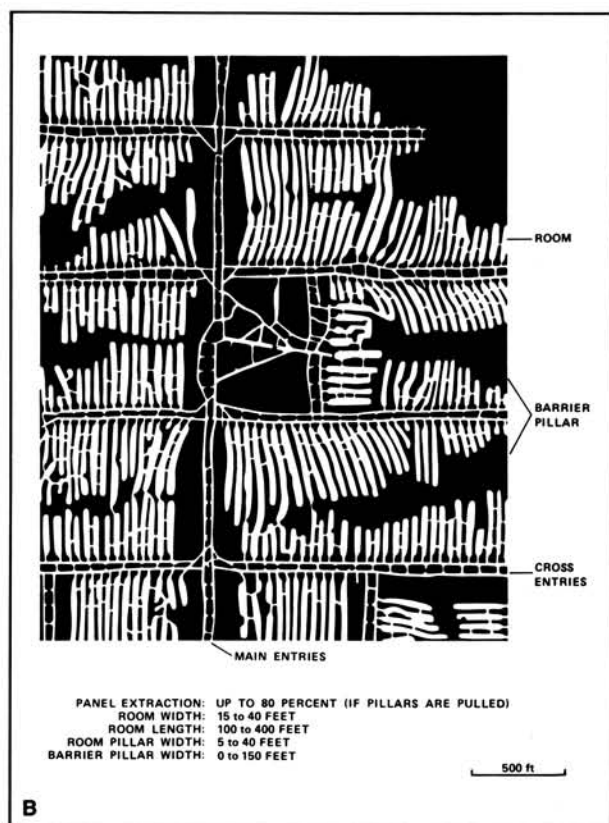
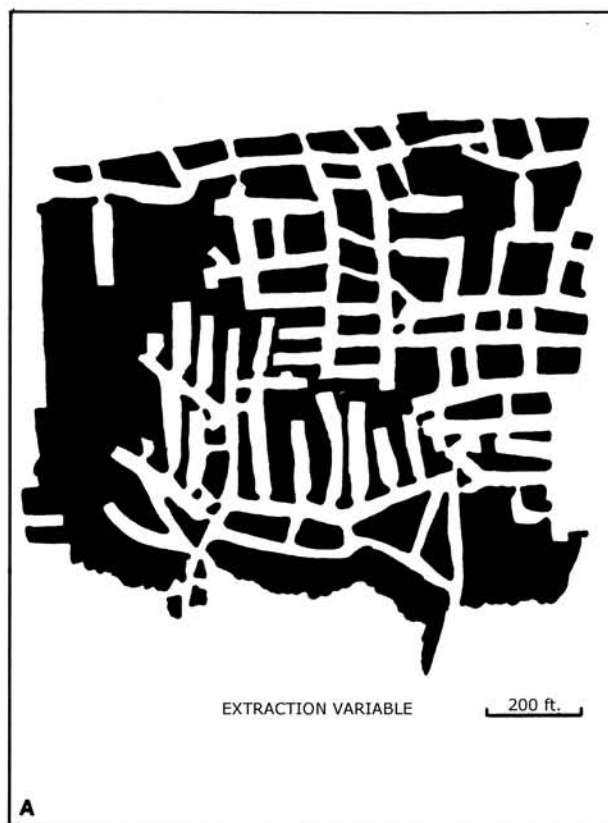


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).

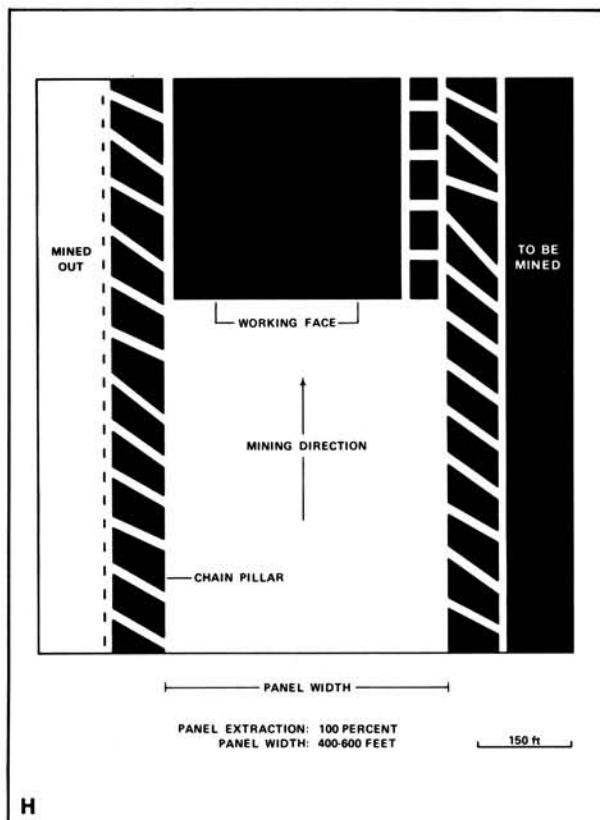
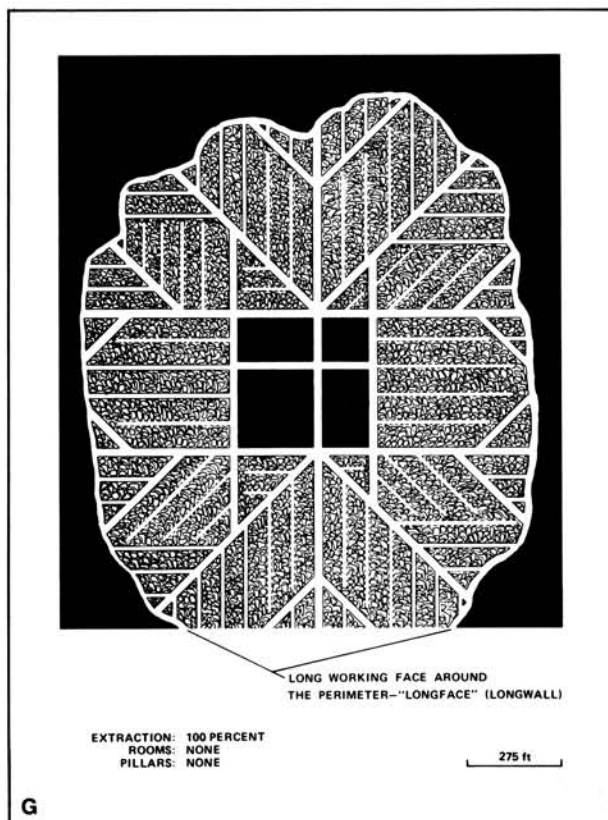
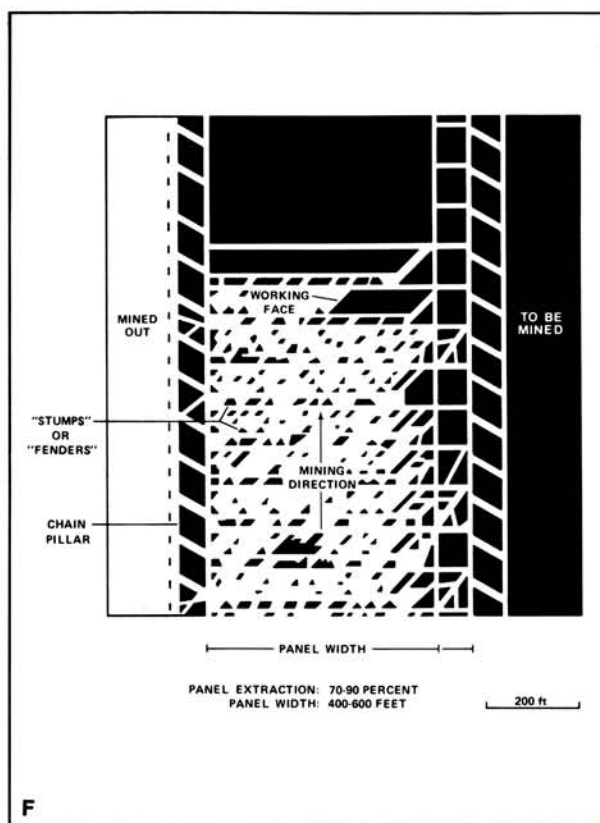
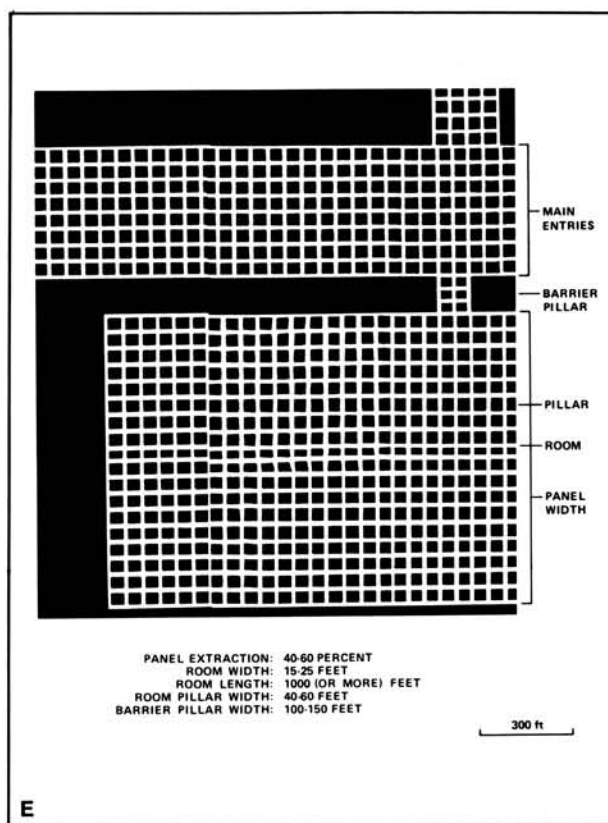


Figure 1 (cont.) Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall

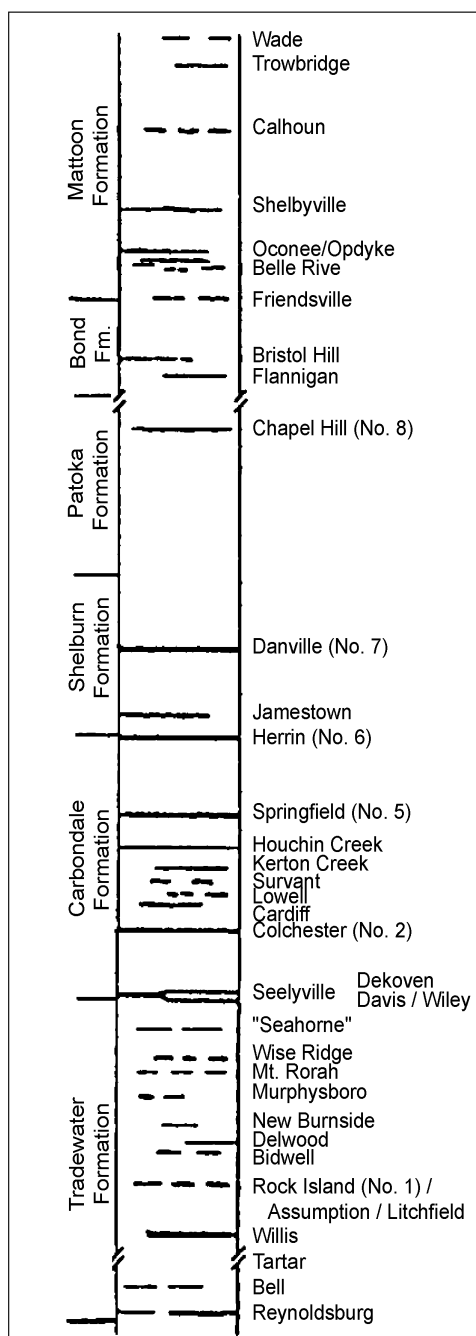


Figure 2 Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

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 HERRIN QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Herrin 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 57

Franklin County Coal Company, Royalton Mine or Franklin County No. 7 Mine

Type: Underground Total mined-out acreage shown: 3,915

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (10 x 16 ft)	Franklin	7S 1E	28	SW SW NW
Air shaft (9 x 8 ft)	Franklin	7S 1E	28	SW SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	210-320		10.5	9.83 (8.75-10.0)	RPP

Geologic Problems Reported: A major fault was present, with a 200-400 foot gouge zone and 35 feet of throw. The roof consisted of a dense sandy gray shale that tended to fall in irregular masses. Generally 24 to 36 inches of top coal was left to support and protect the roof. The coal contained a very small number of slips, and a few sulfur balls and streaks in the lower bench. The face produced considerable gas. This seam did not have the flexure noted in other Franklin County mines, just a gentle undulation, but no steep grades. The underclay did not heave.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Big Muddy & Carterville Mining Company	Big Muddy & Carterville	1906-1914 *	448,352
Franklin Coal & Coke Company	Franklin No. 2	1914-1923 **	555,109
Franklin County Coal Company	Royalton, Franklin County No. 7	1923-1951	20,666,363
			21,669,824

* Idle 1913

** Idle 1922

Last reported production: September 1951

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351432	10-8-1951	1:2400	1:3476	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Franklin County) - Mine type, shaft locations, seam, thickness, geologic problems.

Microfilm map, document 351432, reel 03136, frames 95-98 - Shaft locations, mine outline, mining method.

Mine Index 62**Chicago, Wilmington & Franklin Mining Company, A Mine**

Type: Underground Total mined-out acreage shown: 1,890

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (9.5 x 17 ft)	Williamson	8S 2E	19	SE SW NW
Air shaft (9 x 15 ft)	Williamson	8S 2E	19	NE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	171-180			9.0-9.5	RPP

Geologic Problems Reported: An explosion of fire damp killed two men in 1906, and a gas explosion killed eight men in 1909. One large slip in the roof caused a roof fall of coal and shale that killed a miner in 1909. The mine map showed areas in Sections 12 and 13 of T8S-R2E that had bad top, bad conditions, and dirty coal. The shale did not make a good roof so that 18 to 24 inches (average 18 inches) of top coal was left to support the roof. The coal contained some pyrite streaks. Some water problems were noted, and said to come from the surface rather than seeping into the mine through the roof. The underclay floor was 2 to 5 feet thick. Some squeezes resulted in surface subsidence.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago-Carterville Coal Company	Chicago-Carterville No. 1	1900-1905	1,311,971
Chicago-Carterville Coal Company	A	1905-1917	4,566,197
Chicago, Wilmington & Franklin Mng. Co.	A	1917-1931	<u>7,255,128</u>
			13,133,296

Last reported production: April 1931

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353299	4-18-1931	1:2400	1:4303	Final
Microfilm, document 353288	7-1-1930	1:2400	1:4966	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness, geologic problems.
 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, geologic problems.
 Microfilm map, document 353299, reel 03142, frames 258-261 - Shaft locations, mine outline, mining method, geologic problems.
 Microfilm map, document 353288, reel 03142, frame 234 - Mine outline (faded portions in W ½ 13-T8S-R2E).

Mine Index 63**Consolidated Coal Company of St. Louis, Consolidated No. 8 Mine or Clifford No. 8 Mine**

Type: Underground Total mined-out acreage shown: 1,118

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 1E	14	SE NW SW
Air shaft	Williamson	8S 1E	14	NE NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	170-180			8.0-9.0	RPP

Geologic Problems Reported: One miner was killed by a gas explosion in 1921. Some faults were noted in the mine. The roof was generally an irregularly bedded gray shale that did not make a good roof, and the soft upper portion of the coal was left to support the shale. When the top coal was mined on retreat, the shale came down readily. At least one roof fall was noted on the source map. Rolls were present and occurred mostly in swags. The floor was a dark gray shale that heaved badly.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Big Muddy Coal & Iron Company	Big Muddy No. 8	1904-1920	6,749,651
Consolidated Coal Company of St. Louis	Consolidated No. 8, Clifford No. 8	1920-1924	<u>1,304,201</u>
			8,053,852

Last reported production: March 1924

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	7-1-1924	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, depth, thickness, geologic problems.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, shaft location, seam, geologic problems.
 Company map, Old Ben Archive Collection - Shaft locations, mine outline, mining method, geologic problems.

Mine Index 64**Hafer Washed Coal Company, Hafer No. 3 Mine**

Type: Underground Total mined-out acreage shown: 362

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 1E	36	SW NW NE
Air shaft	Williamson	8S 1E	36	NW SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	120	7.0	9.0	8.0	MRP

Geologic Problems Reported: In the west and southwest part of the mine, the streams on the surface eroded down to the coal and sometimes into the coal itself. In this area, the mine was shallow and as soon as the coal was mined, the roof came down, filling the entries with the yellow sand and plastic clay deposited by the stream. The roof in the other areas of the mine was a light gray shale that slaked off readily; top coal was left to help support the roof. The source map noted rolls in the northwestern part of the mine. The floor clay became soft when wet, but did not tend to heave.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Hafer Washed Coal Company	Hafer No. 3	1906-1910	612,722
Henry Hafer & Son Coal Company	Hafer No. 3	1910-1911	121,959
Hafer Washed Coal Company	Hafer No. 3	1911-1924	<u>2,076,901</u>
			2,811,582

Last reported production: March 1924

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	3-1924	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

Company map, Old Ben Archive Collection - Shaft locations, mine outline, mining method, geologic problems.

Mine Index 145**Bell & Zoller Coal & Mining Company, Bell & Zoller No. 2 Mine**

Type: Underground Total mined-out acreage shown: 10,007 Boundaries between separate mines could not be distinguished. The area shown includes Bell & Zoller No. 1 Mine (mine index 53).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (12 x 21.67 ft)	Franklin	7S 1E	26	NW SE NW
Air shaft (12 x 22.67 ft)	Franklin	7S 1E	26	SW SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	301-310	7.5	11.5	9.0	RPP

Geologic Problems Reported: Generally 18 to 30 inches of top coal was left throughout the mine to support the gray shale roof. A few rolls were present, which necessitated timbering. Pyrite was present in stringers and lenses. The underclay heaved very little.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Bell & Zoller Coal & Mining Company	Bell & Zoller No. 2	1919-1951	<u>32,153,887</u> 32,153,887

Last reported production: June 1951

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351444	7-1948	1:2400	1:441	Not final
Microfilm, document 351446	6-27-1951	1:2400	1:428	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, shaft sizes, depth, mining method.
 Directory of Illinois Coal Mines (Franklin County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Franklin County) - Mine type, shaft locations, seam, thickness, geologic problems.
 Microfilm map, document 351444, reel 03136, frames 116-123 - Shaft locations, mine outline, mining method.
 Microfilm map, document 351446, reel 03136, frames 129-136 - Shaft locations, mine outline, mining method.

Mine Index 147**Western Coal & Mining Company, Western No. 2 Mine**

Type: Underground Total mined-out acreage shown: 1,046 Approximately 2 acres on the western and southwestern side of the mine were later surface mined by Burning Star No. 5 Mine (mine index 967).

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (10 x 15 ft)	Franklin	7S 1E	31	SE NW SE
Air shaft (10 x 15 ft)	Franklin	7S 1E	31	SW NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	152	6.5	12.0	7.0-10.5	RPP

Geologic Problems Reported: Water-bearing gravels in the glacial materials above the mine discharged water that had to be pumped out of the mine. A northwest-southeast trending fault with 6 to 8 feet upthrown on the northeast side ran through this mine, crossing the main north just off the bottom, 200 feet from the shaft. The northeast side was thrust over the opposite side, thickening the coal up to about 15 feet. Many northwest-southeast-trending faults that disrupted the mining pattern are shown on the source maps. Bad top was noted on a source map in the extreme northeastern part and the south part of the mine. These areas of bad top appear to have halted mining in those rooms. The roof varied from black fissile shale to gray shale; generally the gray shale was 18 feet thick. The most conspicuous impurity was the pyrite, especially common as facings running vertically through layers of the seam. Lenses of solid pyrite were not uncommon, especially in the upper part of the seam.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Western Coal & Mining Company	Western No. 2	1916-1928	<u>7,146,997</u> 7,146,997

Last reported production: March 1928

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4102 i5.1-64	11-14-1929	1:2400	1:2400	Final
Microfilm, document 351420	11-14-1929	1:2400	1:4800	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

ISGS map library, 4102 i5.1-64 - Mine outline (western part).

Microfilm map, document 351420, reel 03136, frames 63 & 64 - Mine outline (eastern part), shaft locations, geologic problems.

Mine Index 156**Chicago, Wilmington & Franklin Mining Company, B Mine**

Type: Underground Total mined-out acreage shown: 397 Production indicates approximately 10 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 2E	17	SW NW NE
Air shaft	Williamson	8S 2E	17	SW NW NE
Shaft (possible)	Williamson	8S 2E	8	NE SE SW *

* The source map is not very clear; there is a definite mark on the source map at this location and a configuration of entries that could very well indicate a shaft at this location.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	241-248	7.0	11.0	9.0-10.0	RPP

Geologic Problems Reported: A gas explosion killed one man in 1911. A V-shaped block fault trending northwest-southeast was downthrown 3 feet on the western side. The coal and roof shale were shattered near the fault. Another fault was noted 200 feet north of the shaft with the southwestern side upthrown 21 feet. The roof was "white top", a light gray sandy shale that was soft, massive, and did not hold up well. Two feet of top coal was left to support the roof and timbering was also necessary. Rolls and faults were present in the mine. One roll was noted 1000 feet east of the bottom of the shaft. Pyrite stringers were present in the center of the seam in the northeast portion of the mine. The mine had very little water, and the underclay heaved very little.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago & Carterville Coal Company	B	1906-1917	1,511,881
Chicago, Wilmington & Franklin Mng. Co.	B	1917-1923	1,432,797
Chicago, Wilmington & Franklin Mng. Co.	B	1923-1923	70,831 **
			3,015,509

** Production after map date

Last reported production: April 1923

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-12	1-1-1923	1:2400	1:4950	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, geologic problems.
 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, geologic problems.
 Company map, ISGS map library, 4103.W52 i5.1-12 - Shaft locations, mine outline, mining method.

Mine Index 158
Franklin County Coal Company, Energy No. 2 Mine

Type: Underground Total mined-out acreage shown: 630 This area includes the Taylor No. 1 Mine (mine index 159). The boundaries between the mines could not be discerned.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 2E	31	NE SE SW
Air shaft	Williamson	8S 2E	31	NW SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	126	7.5	9.0	8.0	MRP

Geologic Problems Reported: A fault was present, but apparently had no appreciable affect on mining. The roof consisted of 115 feet of massive gray sandy shale. Top coal was left to support the roof.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Carterville Coal Company	Carterville No. 2	1902-1904	139,948
Carterville Coal Company	Carterville B	1904-1905	86,362
Carterville Colliery Company	Carterville No. 2	1905-1906	59,167
Carterville Mining Company	Carterville No. 2	1906-1909	218,775
Taylor Coal Company	Taylor No. 2	1909-1914	1,017,820
Taylor Mining Company	Taylor No. 2	1914-1919	1,250,127
Taylor Coal Company	Energy No. 2	1919-1923	733,910
Franklin County Coal Company	Energy No. 2	1923-1923	82,137
			<u>3,588,246</u>

Last reported production: November 1923

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353047	3-1924	1:2400	1:4965	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, shaft location, seam, depth, thickness, geologic problems.

Microfilm map, document 353047, reel 03141, frames 231 & 232 - Shaft locations, mine outline, mining method.

Mine Index 159**Taylor Mining Company, Energy No. 1 Mine**

Type: Underground Total mined-out acreage shown: 630 The area shown includes Taylor No. 2 Mine (mine index 158). The boundaries between the mines could not be discerned.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 2E	32	SE SE SW
Air shaft	Williamson	8S 2E	32	SE SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	48 (41-161) *	6.0	10.0	7.5-8.0	MRP

* This depth may represent a shallow portion of the mine (rather than the shaft location) so that the range of depths given in the Coal Reports is shown in parentheses. The ISGS mine notes included a statement that the coal was so shallow in the 9th and 10th southeast entries that it was not workable.

Geologic Problems Reported: Faults were noted in the roof, but few extended into the coal (and therefore may have been joints or slips rather than true faults). The roof was black shale in the east ranging to gray-white shale in the west that was soft, heavy and treacherous. The main roof problems were in the northwest. Where possible the 14-inch top bench of the coal was left to support the roof, but in many cases the roof still came down. Caving extended to the surface in many cases, and this was reported to be the source of the water problems in this mine. The underclay floor was very soft and always wet in many places, so heaving was a common occurrence. Pyrite was present in lenses and stringers.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Carterville Mining Company	Carterville No. 1	1903-1909	352,268
Taylor Coal Company	Taylor No. 1	1909-1914	606,494
Taylor Mining Company	Energy No. 1	1914-1923	<u>1,518,059</u>
			2,476,821

Last reported production: April 1923

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353047	3-1924	1:2400	1:4965	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Williamson County) - Mine type, shaft locations, seam, depth, thickness, geologic problems.

Microfilm map, document 353047, reel 03141, frames 231 & 232 - Shaft locations, mine outline, mining method.

Mine Index 163
Madison Coal Corporation, Madison No. 12 Mine

Type: Underground Total mined-out acreage shown: 757

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 1E	20	NE SW SE
Air shaft	Williamson	8S 1E	20	NE SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	100-104			6.5-8.0	RPP

Geologic Problems Reported: The source map showed bad top in SE SE 16-T8S-R1E. Pyrite was present in facings and small lenses.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Madison Coal Corporation	Madison No. 12	1920-1931	<u>5,705,151</u> 5,705,151

Last reported production: April 1931

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353155	5-1931	1:2400	1:4469	Final

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, shaft location, mining method, depth, geologic problems.

Microfilm map, document 353155, reel 03142, frames 38-41 - Shaft locations, mine outline, mining method, geologic problems.

Mine Index 164**Madison Coal Corporation, Madison No. 9 Mine**

Type: Underground Total mined-out acreage shown: 1,521

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 1E	22	SW NE SE
Air shaft	Williamson	8S 1E	22	SW NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	90-140			7.5-9.0	MRP *

* Some pillars may have been pulled in many parts of the mine, making sections HER method.

Geologic Problems Reported: The source map showed "bad top" in various parts of the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Colp Coal Company	Colp	1904-1905	14,982
Madison Coal Corporation	Madison No. 9	1905-1930	11,120,471
			11,135,453

Last reported production: May 1930

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353115	6-1931	1:2400	1:4643	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) - Seam.

Microfilm map, document 353115, reel 03141, frames 339-342 - Shaft locations, mine outline, mining method, geologic problems.

Mine Index 165**Sunnyside Mining Company, Sunnyside Mine**

Type: Underground Total mined-out acreage shown: 1,023 Production indicates approximately 80 additional acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (9 x 17.67 ft)	Williamson	8S 1E	25	SE NE NW
Air shaft (8 x 13 ft)	Williamson	8S 1E	23	NE SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	145-155	7.5	10.0	9.0	RPP

Geologic Problems Reported: No large faults were observed, but a number of small irregularities in the roof cut the coal down to 3.5 feet thick. Rolls were present. The roof was gray shale that required some top coal left to support it throughout the mine. The floor clay heaved badly when wet, especially where it was thick.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Sunnyside Coal Company	Sunnyside No. 1	1899-1916	5,029,888
T. G. Warden	Sunnyside	1916-1921	1,778,928
T. G. Warden	Sunnyside	1921-1921	82,795 *
Sunnyside Mining Company	Sunnyside	1921-1924	<u>543,924</u> *
			7,435,535

* Production after map date

Last reported production: December 1924

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	3-1921	1:2400	1:2400	Not final
Microfilm, document 353253	3-23-1960	1:2400	1:2979	Secondary source
Microfilm, document 353293	4-3-1969	1:2400	1:4634	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, shaft sizes, mining method, depth, thickness.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, shaft location, seam, thickness, geologic problems.
 Company map, Old Ben Archive Collection - Mine type, shaft locations, mine outline, mining method.
 Microfilm map, document 353253, reel 03142, frame 194, map of Blue Blaze Mine (mine index 3963) - Mine outline (southwestern part).
 Microfilm map, document 353293, reel 03142, frame 250, map of El-Ben Mine (mine index 3982) - Mine outline (northwestern part)

Mine Index 166**Peabody Coal Company, Peabody No. 16 Mine**

Type: Underground Total mined-out acreage shown: 255 A small portion of the western side of this mine was later surface-mined by the S Mine (mine index 1027).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft *	Williamson	8S 1E	33	NW NE NW
Air shaft	Williamson	8S 1E	33	NE NE NW

* This mine is connected underground to Carterville No. 3 Mine (mine index 812).

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	74-100			8.0-9.5	MRP

Geologic Problems Reported: Much surface water entered the mine through slips in the overlying shale, even coming in as a constant flow in the northern part of the mine. In a few places in the northern part of the mine, the roof consisted of 6 to 18 inches of fissile shale that would fall when the top coal came down, and the fall would propagate upward several feet. Whenever possible, 20 to 24 inches of top coal was left to support the roof. The floor was a soft green shale that heaved when the entries were too wide. Squeezes were reported in the western part of the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Independent Coal Company	Independent	1900-1902	150,000
Carterville & Big Muddy Coal Company	John, Carterville No. 1	1902-1922	2,096,322
Peabody Coal Company	Peabody No. 16	1922-1927 **	92,498
			2,338,820

** Idle 1924

Last reported production: January 1927

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	9-1-1927	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 (Williamson County) - Mine names, mine index, ownership, years of operation..
 Mine notes (Williamson County) - Mine type, shaft location, seam, geologic problems.
 Company map, ISGS map library, 4102.W52 i5.1-135 - Shaft locations, mine outline, mining method.

Mine Index 167**Madison Coal Corporation, Madison No. 8 Mine or Brush Mine**

Type: Underground Total mined-out acreage shown: 1,238 This area includes mining by the Robert Dick Mine (mine index 6800). The two mines were connected underground and the boundaries could not be discerned.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (10 x 22 ft) *	Williamson	8S 1E	35	SW NW NW

* The Brush Mine also connected with the Robert Dick Mine (mine index 6800) for additional ventilation and for hoisting capacity nearer to the later workings of the mine. The connections were probably circa 1912, when mining ceased in the Robert Dick Mine. These shafts were in the SE 28-T8S-R1E. The main shaft probably contained a compartment devoted to ventilation. The shaft dimensions support this hypothesis.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	100			7.0-9.17	MRP

Geologic Problems Reported: The roof was generally a white shale that did not hold up well. In some cases, these developed into sinkholes that opened up to the surface. Wherever possible, 18 inches of top coal was left to support the gray shale roof. In some areas, the roof was black shale, and this held up well. Rolls were present, generally in the northwest part of the mine where they were numerous. These rolls sometimes cut down into the coal so that only 2 feet of coal remained. Some of these areas were designated on the source map as "very bad coal".

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
St. Louis & Big Muddy Coal Company	Dawes	1890-1905	3,205,445
Madison Coal Corporation	Madison No. 8, Brush	1905-1923	<u>5,722,944</u>
			8,928,389

Last reported production: September 1923

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353109	9-27-1923	1:2400	1:4634	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, thickness.
 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, geologic problems.
 Microfilm map, document 353109, reel 03141, frames 330 & 331 - Shaft location, mine outline, mining method, geologic problems.

Mine Index 324
Young Brothers, Young Mine

Type: Underground Total mined-out acreage shown: 15, shown as general area of mining on the accompanying map. Production indicates approximately 30 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 1E	11	NE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	50			4.0-9.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Adam Young	Young	1883-1889	9,093
John A. Young	Young	1889-1893	13,852
Young & Reynolds	Young	1893-1894	3,500
John A. Young	Young	1894-1903	28,378
Adam Young	Young	1903-1904	2,600
John A. Young	Young	1904-1912	28,305
Charles Young	Young	1912-1913	4,936
Young Brothers	Young	1913-1928 *	50,325
			140,989

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

Last reported production: 1928

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	163360	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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.

ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Shaft location, mine outline.

Mine Index 421
Franklin County Coal Corporation, Energy No. 5 Mine

Type: Underground Total mined-out acreage shown: 2,669

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (9.5 x 16 ft)	Franklin	7S 2E	33	NW SW SW
Air shaft	Franklin	7S 2E	32	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	339			10.0 (8.0-12.5)	RPP

Geologic Problems Reported: Gas may have been a problem, as one man was killed by an explosion. The roof was a gray sandy shale that was soft and full of slips. Top coal was generally left to protect and support the roof and was recovered on retreat. The seam was very hilly. Grades of 8% were common. A northwest-southeast trending cutout was present at the shaft bottom. A fault with 27 feet of throw and a 10 foot gouge zone was present, part of the Cottage Grove Fault System. There were very few impurities in the seam. Only a few faces of calcite were observed. The underclay did not heave much.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Southern Illinois Coal & Coke Company	Possum Ridge	1909-1914	724,785
Taylor Mining Company	Possum Ridge	1914-1916	384,334
Taylor Coal Corporation	Taylor No. 5	1916-1923	2,163,289
Franklin County Coal Corporation	Energy No. 5	1923-1950	<u>16,206,395</u> 19,478,803

Last reported production: April 1950

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351445	4-15-1950	1:6000	1:14068	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, shaft size, thickness, geologic problems.
 Directory of Illinois Coal Mines (Franklin County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Franklin County) - Mine type, shaft locations, seam, depth, thickness, geologic problems.
 Microfilm map, document 351445, reel 03136, frames 124-128 - Shaft locations, mine outline, mining method.
 Company map, ISGS map library, 4102 i5.1-3 - Shaft locations (used to locate air shaft on microfilm).

Mine Index 428**Old Ben Coal Corporation, Old Ben No. 15 Mine**

Type: Underground Total mined-out acreage shown: 3,154

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Franklin	7S 2E	35	740 FNL, 445 FWL
Air shaft	Franklin	7S 2E	35	SE NW SW
Air shaft	Williamson	8S 2E	4	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	419			8.0-8.83	RPP (with HER)

Geologic Problems Reported: Gas may have been a problem at this mine; an explosion killed one man. Top coal was left to protect the shale roof and recovered on retreat. Pillars were sometimes drawn on retreat also. Some steep grades were present due to swags in the seam. Only a few pyrite facings were found, along with a "noticeable" amount of calcite facings. The company map showed numerous northwest-southeast trending faults in the southern part of the mine. These faults had throws ranging from 2 to 8 feet.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Old Ben Coal Corporation	Old Ben No. 15	1919-1954 *	<u>20,917,351</u> 20,917,351

* Idle 1925

Last reported production: January 1954

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351435	6-30-1954	1:4800	1:9931	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, thickness, geologic problems.
 Directory of Illinois Coal Mines (Franklin County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Franklin County) - Mine type, shaft location, seam, depth, geologic problems.
 Microfilm map, document 351435, reel 03136, frames 103 & 104 - Shaft locations, mine outline, mining method.
 Company map, ISGS map library, 4102 I5.1-6 - Shaft locations, geologic problems.

Mine Index 435**Western Coal & Mining Company, Western No. 1 Mine or Bush Mine**

Type: Underground Total mined-out acreage shown: 588

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (9.5 x 19.5 ft)	Williamson	8S 1E	8	NW NW NW
Air shaft	Williamson	8S 1E	8	SW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	118-185			6.5-9.0	RPP

Geologic Problems Reported: The roof was poor, a shale that slaked off after exposure. Bad top and water were noted on the source map in 8-T8S-R1E. Generally, 1.5 to 2 feet of top coal was left to support the roof.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Western Coal & Mining Company	Bush, Western No. 1	1903-1917	<u>3,389,204</u> 3,389,204

Last reported production: June 1917

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353303	9-10-1917	1:2400	1:4634	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

Microfilm map, document 353303, reel 03142, frames 266 & 267 - Shaft locations, mine outline, mining method, geologic problems.

Mine Index 436**Franklin County Coal Company, Walnut Ridge No. 3 Mine**

Type: Underground Total mined-out acreage shown: 233

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (8.5 x 15 ft)	Williamson	8S 2E	30	NE SE SW
Air shaft (8.5 x 13.5 ft)	Williamson	8S 2E	30	NE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	137-155			8.0-11.0	RPP

Geologic Problems Reported: The coal was fairly uniform in thickness.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Hemlock Coal Company *	Hemlock	1906-1907	6,950
Big Muddy River Consolidated Coal Co.	Hemlock	1907-1908	54,865
Southern Illinois Coal & Coke Company	Hemlock	1908-1912	385,485
Southern Illinois Coal & Coke Company	Walnut Ridge	1912-1914	336,103
Taylor Mining Company	Walnut Ridge No. 3	1914-1923 **	1,115,741
Franklin County Coal Company	Walnut Ridge No. 3	1923-1923	<u>34,688</u>
			1,933,832

* Also known as Oak Ridge & Hemlock Coal Company

** Idle 1916

Last reported production: October 1923

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353295	8-30-1925	1:2400	1:4965	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

Microfilm map, document 353295, reel 03142, frame 254 - Shaft locations, mine outline, mining method.

Mine Index 437**Old Ben Coal Corporation, Old Ben No. 20 Mine**

Type: Underground Total mined-out acreage shown: 718

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (9.5 x 18 ft)	Williamson	8S 1E	1	NE SW NW
Air shaft	Williamson	8S 1E	1	NE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	205	8.42	10.25	9.33	RPP

Geologic Problems Reported: A 1917 gas explosion killed nine men. At least one fault was noted in the mine, and the source map shows northwest-southeast trending fault traces. Generally 1.33 to 2.0 feet of top coal was left to support the roof.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
W. P. Rend Coal & Coke Company	Rend No. 2, Weaver	1908-1920	4,622,613
Old Ben Coal Corporation	Old Ben No. 20	1920-1927	<u>1,259,207</u>
			5,881,820

Last reported production: March 1927 (reported idle through 1938)

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	3-29-1976	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, geologic problems.
 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, geologic problems.
 Company map, Old Ben Archive Collection - Shaft locations, mine outline, mining method, geologic problems.

Mine Index 449**Freeman Coal Mining Company, Bobby Dick Mine**

Type: Underground Total mined-out acreage shown: 1,794

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 2E	5	NW NE SW
Air shaft	Williamson	8S 2E	5	NE NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	245	8.0	10-15	8.5	RPP

Geologic Problems Reported: A fault with displacement of 10 feet was shown on the source map in the southwestern part of the mine. The western side was upthrown. An east-west trending fault was noted 1500 feet north of the shaft. Water entered the mine from water-bearing gravels in the overburden and caused weakness in the roof. Water was noted in the southernmost part of the center and the southeastern corner of the mine. The immediate roof was 15 to 18 feet of gray shale. The top bench of the coal was left to support the roof.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Pond Creek Coal Company	Franklin	1909-1918	1,428,253
Freeman Coal Mining Company	Freeman No. 1, Bobby Dick	1918-1949 *	<u>9,924,642</u>
			11,352,895

* Idle 1940

Last reported production: June 1949

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-13	6-23-1949	1:9600	1:9600	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 locations, seam, depth, thickness, geologic problems.

Company map, ISGS map library, 4103.W52 i5.1-13 - Shaft locations, mine outline, mining method, geologic problems.

Mine Index 454**Consolidated Coal Company of St. Louis, New Monarch Mine**

Type: Underground Total mined-out acreage shown: 2,032 in Herrin Coal and less than 1 acre in the Springfield Coal.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 2E	20	NW SW SE
Air shaft	Williamson	8S 2E	20	NW SW SE
Air shaft	Williamson	8S 2E	21	SE NE NW *
Blind slope	Williamson	8S 2E	20	NE SE SW **

* Shared with mine index 711, the Buckhorn Mine, another Consolidated Coal Company of St. Louis mine.

** A blind slope (slope which does not reach the surface) extended from the workings in the Herrin Coal to the Springfield Coal.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	150	6.0	9.5	8.75-9.0	MRP

Geologic Problems Reported: Several faults were noted on the source map. Two trended northwest-southeast and one trended northeast-southwest. A 1925 explosion killed two miners in an entry where ventilation had failed. The roof was a massive gray sandy shale, cut by vertical joints. When exposed by mining, the roof tended to fall in thick layers. Top coal (16 to 24 inches) was left to support the roof, but this top coal was mined on retreat. A death occurred in 1910 as a result of pillars being pulled. Local hollows in the floor and rolls in the roof were present.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Big Muddy Coal & Iron Coal Company	Big Muddy No. 7	1897-1920	8,018,238
Consolidated Coal Company of St. Louis	Consolidated No. 7; New Monarch	1920-1940	<u>8,020,692</u>
			16,038,930

Last reported production: July 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, state archive	7-19-1940	1:2400	1:2400	Final
Company, Old Ben Archive Collection	4-1-1940	1:2400	1:2400	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, shaft locations, seam, depth, thickness, geologic problems.

Company map, state archive, IL_1686 - Mine outline, mining method.

Company map, Old Ben Archive Collection - Shaft & slope locations, mine outline (west & east sides), mining method.

Mine Index 711**Consolidated Coal Company of St. Louis, Buckhorn Mine**

Type: Underground Total mined-out acreage shown: 431 in Herrin Coal and 51 in Springfield Coal

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 2E	21	SW NW NE
Air shaft	Williamson	8S 2E	21	SE NE NW *
Shaft	Williamson	8S 2E	21	NE NE NW
Blind slope	Williamson	8S 2E	16	SW NW SE
Blind slope	Williamson	8S 2E	16	NW NW SE

* Shared with mine index 454, the New Monarch Mine, another Consolidated Coal Company of St. Louis mine.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	190			7.0-8.5	RPP **
Springfield					RPP

** Some HER, mostly in southern part of section 16-T8S-R2E, from 8-19-1946 to 1-17-1947.

Geologic Problems Reported: The source maps show three faults that trend northwest-southeast. These faults are in the western half of Section 16, T8S-R2E and the eastern half of Section 17, T8S-R2E and NW NE 21-T8S-R2E. In some cases, the faults interfered with mining and some reserves were left. In others, the fault was approached on both sides and most of the coal removed. Offsets were not shown on the map.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Consolidated Coal Company of St. Louis	Buckhorn	1938-1947	3,145,154
			3,145,154

Last reported production: January 1947

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-3	8-4-1946	1:2400	1:2400	Final
Company, 4103.W52 i5.1-2, sh. 2	1-17-1947	1:2400	1:2400	Final
Microfilm, document 353196	2-1-1945	1:2400	1:4965	Not final ***

*** The mined area shown on the accompanying map is the approximate size expected for the production reported. This suggests that the mine outline is complete. Most of the mining after the map date was in the Springfield Coal or removing pillars in the Herrin Coal.

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, slope location, seam.

Company map, ISGS map library, 4103.W52 i5.1-3 - Mine outline, slope locations, mining method (Springfield Coal).

Company map, ISGS map library, 4103.W52 i5.1-2, sh. 2 - Mine outline, slope locations, mining method (HER, Herrin Coal).

Microfilm map, document 353196, reel 03142, frames 103 and 104 - Shaft & slope locations, mine outline, mining method, geologic problems.

Mine Index 735**Franklin County Coal Corporation, Lida B Mine or Franklin County No. 15 Mine**

Type: Underground Total mined-out acreage shown: 95

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Franklin	7S 1E	32	SE SE SE
Air shaft	Williamson	8S 1E	5	NE NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	154			8.0	MRP

Geologic Problems Reported: The source map shows a fault SW 33-T7S-R1E, northeast of mining.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Franklin County Coal Corporation	Lida B, Franklin County No. 15	1949-1952	606,477 606,477

Last reported production: May 1952

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351448	5-25-1952	1:1200	1:2151	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

Microfilm map, document 351448, reel 03136, frames 141 & 142 - Slope & shaft locations, mine outline, mining method, geologic problems.

Mine Index 812
Carterville Mining Company, Carterville No. 3 Mine

Type: Underground Total mined-out acreage shown: 129

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft *	Williamson	8S 1E	33	NW SW NW

* This mine was connected underground to Peabody No. 16 Mine (mine index 166), and may have used this underground connection for ventilation and escapement.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	60			8.0	RP
Danville	65-75			7.0-9.5	RP

Geologic Problems Reported: The roof was usually gray shale and occasionally black shale and limestone. Generally 18 to 22 inches of top coal was left to support the roof and this was drawn on retreat. Where the underclay was thickest, squeezes were common.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Crystal Plate Glass Company	Crystal Plate Glass No. 1	1887-1895	595,160
Pittsburg Plate Glass Company	Pittsburg Plate Glass	1895-1897	160,439
Scott-Wilson Coal Company	Scott-Wilson No. 2	1897-1900	217,750
New Ohio Washed Coal Company	New Ohio No. 2, Old Fredonia	1900-1903**	251,973
Carterville Mining Company	Carterville No. 3	1905-1909	156,020
			<u>1,381,342</u>

** There may have been additional operators (see the unlocated mines at the back of this report), or the mine may have been idle in 1904.

Last reported production: 1909

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4102 i5.1-50, sheet 1	9-2-1931	1:15840	1:15840	Secondary source
ISGS map library, 4103.W52 i5.1-135	9-1-1927	1:2400	1:2400	Secondary source
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	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, seam, depth, thickness, geologic problems.
 ISGS map library, 4102 i5.1-50, sheet 1, fault map produced by Franklin County Coal Company - Mine outline (south side of railroad, and eastern part of mine north of the railroad).
 ISGS map library, 4103.W52 i5.1-135, map of Peabody No. 16 Mine (mine index 166) - Mine outline (northern and western part).
 ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Mine outline, shaft location.

Mine Index 813**Peerless Coal Company, Peerless Mine**

Type: Underground Total mined-out acreage shown: 685 Production indicates approximately 28 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 1E	34	NE SE SW
Air shaft	Williamson	8S 1E	34	NE SW SE
Air shaft	Williamson	8S 1E	33	NW NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	90-110			9.0-12.0	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Carterville Coal Company	Burr C	1904-1916 *	2,322,677
Federal Coal Company	Federal No. 25	1916-1927	2,172,384
Peabody Coal Company	Peabody No. 25	1928-1932	755,121
Peabody Coal Company	Peabody No. 25	1932-1933	248,669 **
Peerless Coal Company	Peerless	1934-1939	109,306
			<u>5,608,157</u>

* Idle 1916

** Production after map date, on the eastern side of the mine (see the "not final" map portions).

Last reported production: 1939

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-136	3-16-1932	1:2400	1:2400	Not final
Company, 4103.W52 i5.1-41	3-20-1939	1:2400	1:2400	Final

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, shaft location.

Company map, ISGS map library, 4103.W52 i5.1-136 - Shaft locations, mine outline, mining method.

Company map, ISGS map library, 4103.W52 i5.1-41 - Air shaft location, mine outline (Peerless portion of mine), mining method.

Mine Index 814**Forsyth-Carterville Coal Company, Forsyth-Carterville Mine**

Type: Surface Total mined-out acreage shown: 663

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit *	Williamson	9S 1E	4	NW NW SE
Tipple *	Williamson	8S 1E	31	NW NW SE

* Surface mining for this mine took place in Sections 30, 31 & 32 of T8S-R1E and Section 5 of T9S-R1E.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	40 (20-55)			3.33 (3.17-3.5)	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Forsyth-Williamson Coal Company	Forsyth-Williamson	1946-1953	1,285,210
Forsyth-Carterville Coal Company	Forsyth-Carterville	1954-1961 **	1,418,796
			2,704,006

** Merged with Peabody Energy to become Forsyth Energy Company, No. 5 Mine, and thereafter reported under mine index 882

Last reported production: August 1961

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
USGS digital orthophoto quadrangle	1999	1:24000	1:24000	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, tipple location, mining method, seam, depth, thickness.

USGS digital orthophoto map, Herrin Quadrangle, 1999 - Mine outline, mining method.

Mine Index 815**Crear-Clinch Coal Company, Duncan Mine**

Type: Underground Total mined-out acreage shown: 300 Production indicates approximately 2 acres were mined after the map date. The southern part of the mine was partially surface-mined by the Admiral No. 1 Mine (mine index 3968).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 2E	29	NW SW SE
Air shaft	Williamson	8S 2E	29	NW SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	92			8.58 (6.75-9.0)	MRP

Geologic Problems Reported: An explosion of gas in 1922 killed one man.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
St. Louis-Carterville Coal Company	Walnut Ridge	1903-1908	390,865
St. Louis-Carterville Coal Company	Dale	1908-1916	967,623
Duncan Coal Company	Dale	1916-1923	1,088,147
Crear-Clinch Coal Company	Duncan	1923-1924	54,199
Crear-Clinch Coal Company	Duncan	1924-1924	14,222 *
			2,515,056

* Production after map date

Last reported production: March 1924

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353205	2-22-1924	1:2400	1:5628	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, thickness, geologic problems.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, shaft locations, seam, depth, thickness, geologic problems.
 Microfilm map, document 353205, reel 03142, frame 114 - Shaft locations, mine outline, mining method.

Mine Index 817**Pratt Brothers Coal Company, Pratt No. 2 Mine**

Type: Underground Total mined-out acreage shown: 11, shown as general area of mining

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	11	SW SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	21			3.83	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Pratt Brothers Coal Company	Pratt No. 2	1919-1920	<u>23,737</u> 23,737

Last reported production: June 1920

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	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, slope location, seam, depth, thickness.

ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Slope location, mine outline, mining method.

Mine Index 858**Bell & Zoller Coal Company, Bell & Zoller No. 3 Mine**

Type: Underground Total mined-out acreage shown: 2,111

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main & air slope	Williamson	8S 1E	11	SE NW NW
Air slope	Williamson	8S 1E	11	SW NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	160-162			8.0	RPP

Geologic Problems Reported: The roof was a slabby shale.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Bell & Zoller Coal & Mining Company	Bell & Zoller No. 3	1948-1952	2,570,494
Bell & Zoller Coal Company	Bell & Zoller No. 3	1953-1966	<u>12,922,685</u>
			15,493,179

Last reported production: December 1966

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, Msha_659_01	12-13-1966	1:2400	1:2400	Final

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, slope location, geologic problems.

State archive, Msha_659_01 - Slope locations, mine outline, mining method.

Mine Index 882
Forsyth-Energy, Inc., Energy Mine

Type: Surface Total mined-out acreage shown: 3,365 (1,686 in Herrin Coal, 1,679 in Springfield Coal)
The area shown is too large for the reported production. Other mines may have operated in this area, both surface and underground, resulting in the larger outline. See the back of this report for unlocated mines. This area may also include some workings for mine index 814.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 2E	4	NW SW NE
Pits	Williamson	8S 2E	28,33,34,35	
Pits	Williamson	9S 2E	2,3,4,5,8,9,10	

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	20-42			5.08-8.0	Surface
Springfield	40-55			3.17-3.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Morgan Mines, Inc.	Morgan	1947-1956	3,272,505
Peabody Coal Company	Energy	1956-1960	1,666,963
Forsyth-Energy Coal Company *	Forsyth-Energy	1961-1967	3,090,006
Peabody Coal Company	Forsyth-Energy	1968-1969	701,208
Forsyth-Energy, Inc.	Energy	1969-1972	1,252,977
			9,983,659

* Merged with Forsyth-Energy Coal Company (mine index 814), which mined mostly in the Herrin Quadrangle.

Last reported production: November 1972

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-180	5-1-1971	1:2400 or 24000	1:2400	Secondary source
Company	10-8-1956	1:2400	1:2400	Not final
Company	5-27-1954	1:2400	1:2400	Not final
USGS topographic map	1976	1:24000	1:24000	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.
Company map, ISGS map library, 4103.W52 i5.1-180 - Mine outline (Herrin & Springfield Coals).
Company map, Old Ben Archive Collection - Mine outline (Springfield Coal).
Company map, Old Ben Archive Collection - Mine outline (Springfield Coal).
USGS topographic map, Johnston City, 1963, Photo-inspected 1976 - Mine outline.

Mine Index 943**Cold Water Coal Company, Cold Water No. 2 Mine**

Type: Surface Total mined-out acreage shown: 68 The Cold Water Mines pulled pillars from two abandoned underground mines, the Energy No. 2 Mine (mine index 158) and Miller & Arvipas Mine (mine index 3965), as well as surface mining virgin coal.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	8S 2E	32	E ½

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	20-50			7.0-9.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Cold Water Coal Company	Cold Water No. 1	1970-1978	102,169
Cold Water Coal Company	Cold Water No. 2	1979-1980	4,263
			106,432

Last reported production: February 1980

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section strip mine updates	1976	1:8400	1:8400	Secondary source

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, mine location, seam, mining method.

Coal Section strip mine updates, tracings of aerial photographs - Mine outline.

Mine Index 955
Williamson Coal Company, Williamson No. 1 Mine

Type: Surface Total mined-out acreage shown: 471

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	9S 1E	1	N ½
Pit	Williamson	9S 1E	2	E ½ NE
Pit	Williamson	9S 2E	6	NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield *	40-65			3.33-4	Surface

* The Springfield Coal was mined generally, but where small patches of Herrin Coal were present, the Herrin was also mined. Most of the area mined was beyond the outcrop of the Herrin Coal.

Geologic Problems Reported: A fault occurred to the west where the coal was completely cut out.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Williamson Coal Company	Williamson No. 1	1975-1982	<u>1,604,970</u> 1,604,970

Last reported production: December 1982

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section strip mine updates	1976	1:8400	1:8400	Secondary source
USGS digital orthophoto quadrangle	1999	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, tipple / pit location, seam, thickness, geologic problems.
 Coal Section strip mine updates, tracings of aerial photographs - Mine outline, mining method.
 USGS digital orthophoto map, Herrin Quadrangle, 1999 - Mine outline.

Mine Index 985
Riggs Mining Company, Riggs No. 2 Mine

Type: Surface Total mined-out acreage shown: 10

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	8S 2E	32	SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	30-40			6.0-7.83	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Riggs Mining Company	Riggs No. 2	1978-1980	30,262
			30,262

Last reported production: May 1981

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Nelson, Catalog of Coal Mines	2003	(text only)	1:24000 *	Secondary source

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 W. J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Mine type, seam, mine outline.

Mine Index 1005**Williamson Coal Company, Williamson No. 2 Mine**

Type: Surface Total mined-out acreage shown: 223

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	9S 1E	5	SW NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	28-32			8	Surface
Springfield	45-50			3.5	Surface

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Williamson Coal Company	Williamson No. 2	1984-1987	800,468 800,468

Last reported production: April 1987

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company map, DNR digital files	5-26-2005	unknown *	1:24000	Final

* The web site <http://dnrgis.state.il.us/website/Mpermit/viewr.htm> information was downloaded to a tif image and mapped on the USGS topographic map base.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, seam, depth, thickness.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 DNR digital files, Office of Mines & Minerals - Mine outline, mining method.

Mine Index 1007
Ace Diggin, Inc., Ace No. 1 Mine

Type: Surface Total mined-out acreage shown: 26

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	8S 1E	35	NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	46-70			4.0-8.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Ace Diggin, Inc.	Ace No. 1	1984-1988	<u>332,406</u> 332,406

Last reported production: November 1988

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-197	2-14-1989	1:12000	1:12000	Final
USGS digital orthophoto quadrangle	1999	1:24000	1:24000	Secondary source
Company map, DNR digital files	5-26-2005	unknown *	1:24000	Final

* The web site <http://dnrgis.state.il.us/website/Mpermit/viewr.htm> information was downloaded to a tif image and mapped on the USGS topographic map base.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, seam, depth, thickness.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Company map, ISGS map library, 4103.W52 i5.1-197 - Mine outline, mining method.
 USGS digital orthophoto map, Herrin Quadrangle, 1999 - Mine outline.

Mine Index 1027**S. Coal Company, Cambria No. 1 Mine**

Type: Surface Total mined-out acreage shown: 113

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit (S. Mine)	Williamson	8S 1E	29	S ½
Pit (Williamson No. 2)	Williamson	9S 1E	5	

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				8.0	Surface
Springfield				4.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Williamson Coal Company	Williamson No. 2	2001-2001	not reported
S. Coal Company	Cambria No. 1	2001-2004	<u>719,814</u> *
			719,814

Last reported production: 2004

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company map, DNR digital files	5-26-2005	unknown **	1:24000	Final

** The web site <http://dnrgis.state.il.us/website/Mpermit/viewr.htm> information was downloaded to a tif image and mapped on the USGS topographic map base.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, seam, thickness.
 Directory of Illinois Coal Mines (Williamson County) - Mine location, mine index.
 DNR digital files, Office of Mines & Minerals - Mine outline, mining method.

Mine Index 2071**Franklin Coal & Coke Company, Mitchell No. 1 Mine**

Type: Underground Total mined-out acreage shown: 129 Recorded production indicates approximately 700 acres were mined, but source map is final. Production from mine index 57 (Franklin County No. 7 Mine, just east and north of mine index 2071) may have been shipped through the Franklin No. 11 Mine tipple.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Franklin	7S 1E	33	NW NW SW
Air shaft	Franklin	7S 1E	33	NW NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	214			8.9-10.33	MRP

Geologic Problems Reported: The mine had gas, and an explosion in 1914 killed 52 men.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Big Muddy & Carterville Coal Company	Big Muddy & Carterville	1909-1910 *	(none)
Franklin Coal & Coke Company	Mitchell No. 1	1910-1923	6,136,556
Franklin County Coal Company	Franklin No. 11 **	1925-1925	(none)
			6,136,556

* No production was reported under this name; this company may have only dug the shaft.

** No production was reported under this name, the company and mine name are from Coal Section mine notes.

Last reported production: June 1923

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.F7 i5.1-6	1-6-1948	1:4800	1:4800	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Franklin County) - Mine type, shaft locations, seam, depth, thickness, ownership.

Company map, ISGS map library, 4103.F7 i5.1-6 - Shaft locations, mine outline, mining method.

Mine Index 3549
Carterville Coal Company, A Mine

Type: Underground Total mined-out acreage shown: 176 The A Mine was later re-mined by McCutcheon-Templeton Mine (mine index 3986), who pulled the pillars of the A Mine.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 1E	2	SE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	60-64			7.0-10.0	MRP

Geologic Problems Reported: Rooms in the eastern part of the mine are labeled "all fell and full of water" on the source map. This indicates that the roof conditions were very poor, probably because it was the shallowest part of the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Carterville Coal & Coke Company	Burr *	1886-1904	2,064,298
Carterville Coal Company	A **	1904-1906	152,214
			2,216,512

* Later referred to as Old Burr Mine.

** May have been referred to as Burr A Mine.

Last reported production: 1906

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, Msha_454_01	5-14-1940	1:2000	1:2000	Not final ***
ISGS map library, 4102 i5.1-50, sheet 1	9-2-1931	1:15840	1:15840	Secondary source

*** The map is a portion of an original A Mine map used as a base map for McCutcheon-Templeton Mine (mine index 3986), whose production was only from pulling pillars of the A Mine. The map may be final for this part of the mine, but is coded "not final" because the portion with the survey date and title block for the A Mine was removed.

Annotated Bibliography (data source, brief description of information)

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

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

State archive, Msha_454_01 - Shaft location, mining method, geologic problems.

ISGS map library, 4102 i5.1-50, sheet 1, map of Faults in the No. 6 Coal by Franklin County Coal Co. - Mine outline.

Mine Index 3623
Scratchback Mine

Type: Underground Total mined-out acreage shown: 14, shown as general area of mining

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 1E	32	NE NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin					UG

Geologic Problems Reported: The shaft collapsed and eight to ten sinkholes developed over this mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Scratchback Mine		ca. 1933 *	

* Mines producing less than 1,000 tons per year were not listed in the Coal Reports from 1930 to 1933.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	Secondary source

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Williamson County) - Mine name, mine index, years of operation.
W. J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Mine type, seam, geologic problems.
ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Shaft location, mine outline.

Mine Index 3943**Pure Coal Company, Pure No. 1 Mine**

Type: Underground Total mined-out acreage shown: 36 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 slope	Williamson	8S 1E	20	SE SE SW
Air shaft	Williamson	8S 1E	20	SW SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	72-74			7.33-8.0	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Pure Coal Company	Pure No. 1	1949-1955	213,086
Pure Coal Company	Pure No. 1	1955-1955	<u>14,880</u> *
			227,966

* Production after map date

Last reported production: September 1955

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353267	1-10-1955	1:1200	1:1655	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.

Microfilm map, document 353267, reel 03142, frame 211 - Slope & shaft locations, mine outline, mining method.

Mine Index 3945**Donaly & Koenneck, New Donaly No. 1 Mine**

Type: Underground Total mined-out acreage shown: 173, shown as general area of mining

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 1E	26	NW SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	100-130			9.0-9.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Donaly & Koennecke	New Donaly No. 1	1902-1914	<u>1,006,606</u> 1,006,606

Last reported production: March 1914

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-146		1:15840	1:15840	Secondary source
Microfilm, document 353109	9-27-1923	1:2400	1:4634	Secondary source
Microfilm, document 353115	6-1931	1:2400	1:4634	Secondary source

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, shaft location, seam.

ISGS map library, 4103.W52 i5.1-146, map of Madison Coal Corp. holdings - Mine outline (northern & eastern parts).

Microfilm map, document 353109, reel 03141, frames 330 & 331, map of Madison No. 8 Mine (mine index 167) -

Mine outline (southern part).

Microfilm map, document 353115, reel 03141, frames 339-342, map of Madison No. 9 Mine (mine index 164) -

Mine outline (southern & western parts).

Mine Index 3947**Sunrise Coal Company, Sunrise No. 2 Mine**

Type: Underground Total mined-out acreage shown: 5 Production indicates approximately 12 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 1E	29	NW SE SE
Air shaft	Williamson	8S 1E	29	NW SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	70-137			7.5-9.75	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Sunrise Coal Company	Sunrise No. 2	1939-1943	34,505
Sunrise Coal Company	Sunrise No. 2	1943-1945	83,720 *
			118,225

* Production after map date

Last reported production: 1945

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353104	8-15-1943	1:1200	1:1738	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, seam, 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, depth, thickness.
 Microfilm map, document 353104, reel 03141, frame 316 - Slope & shaft locations, mine outline, mining method.

Mine Index 3948
Number Six Coal Company, No. 6 Mine

Type: Underground Total mined-out acreage shown: 20 The western part of this mine was later surface-mined by S. Coal Company, Cambria No. 1 Mine (mine index 1027). Production indicates approximately 14 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 1E	29	NE SW SE
Air shaft	Williamson	8S 1E	29	NW SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	100-120			4.0-7.0	MRP
Springfield					

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Plumlee Coal Company	Plumlee	1939-1943	58,098
Gentry Coal Company	Plumlee	1943-1943	3,754
Plumlee Coal Company	Plumlee	1944-1944	9,004
New Black Diamond Coal Company	New Black Diamond No. 6	1944-1945	60,660
Number Six Coal Company	No. 6	1946-1948	95,004 *
			226,520

* Production after map date

Last reported production: June 1948

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353277	1-4-1946	1:2400	1:3807	Not final
Microfilm, document 353113	11-12-1944	1:1200	1:1407	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 (Williamson County) - Mine names, mine index, ownership, years of operation.

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

Microfilm map, document 353277, reel 03142, frame 221 - Air shaft location, mine outline (northern part), mining method.

Microfilm map, document 353113, reel 03141, frame 336 - Slope location, mine outline (southern part).

Mine Index 3954
Johns Coal Company, Johns Mine

Type: Underground Total mined-out acreage shown: 6 The Johns Mine also mined some unmined areas and pillars of the Peerless Mine (mine index 813). Production indicates less than 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
"Sunshine" slope	Williamson	8S 1E	33	SE SE SW
"Johns" slope	Williamson	8S 1E	33	SE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	54			9	RPB
Springfield	153			4.0-9	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Cambria Coal Company	Cambria	1925-1926	6,609
Ogmore Coal Company	Ogmore	1927-1932	12,636
Sunrise Coal Company	Sunrise	1933-1936	24,296
Johns Coal Company	Johns	1937-1937	2,974
Johns Coal Company	Johns	1938-1938	784 *
			47,299

* Production after map date

Last reported production: August 1938

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-65	12-27-1937	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam depth, thickness (Springfield).
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership.
 Mine notes (Williamson County) - Mine type, slope location, seam, depth, thickness (Herrin).
 Company map, ISGS map library, 4103.W52 i5.1-65 - Slope locations, mine outline, mining method.

Mine Index 3955**Egyptian Coal Company, Egyptian No. 1 Mine**

Type: Underground Total mined-out acreage shown: 8

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 1E	33	SW SW SW
Air shaft	Williamson	8S 1E	33	SE SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	55			4	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Egyptian Coal Company	Egyptian	1933-1934 *	3,095
Newton Brayfield Coal Company	Brayfield	1935-1948 **	27,993
Egyptian Coal Company	Egyptian No. 1	1949-1951	<u>6,412</u>
			37,500

* Idle 1934

** Idle 1942-1948

Last reported production: March 1951

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353231	12-29-1951	1:1200	1:1572	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 353231, reel 03142, frame 161 - Slope & shaft locations, mine outline, mining method.

Mine Index 3956**H. L. Wyatt Coal Company, Wyatt Mine**

Type: Underground Total mined-out acreage shown: None This mine was later surface-mined by Coal Water Mine (mine index 943) and is not shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift *	Williamson	8S 2E	32	SW SE SE

* The mine was opened up from a surface mine pit and had numerous openings to that pit.

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
H. L. Wyatt Coal Company	Wyatt	1932-1937	<u>25,703</u> 25,703

Last reported production: 1937

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353116	9-22-1938	1:1200	1:1241	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.

Microfilm map, document 353116, reel 03141, frame 343 - Drift location, mine outline, mining method.

Mine Index 3957**Worth-Huskey Coal Company, Worth-Huskey No. 2 Mine**

Type: Surface Total mined-out acreage shown: 40

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	8S 1E	33	SE NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				8.5	Surface
Springfield				3.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Quaker Mining Company	Fuel, Quaker No. 2	1923-1924	120,000
Worth-Huskey Coal Company	Worth-Huskey No. 2	1924-1925	<u>209,193</u>
			329,193

Last reported production: 1925

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	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, tipple / pit location, mining method.

ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Mine outline, mining method.

Mine Index 3960
Carter Coal Company, Carter Mine

Type: Underground Total mined-out acreage shown: None Carter Mine re-worked areas of the Peerless Mine (mine index 813), pulling pillars and perhaps mining a small un-mined block within the older mine. Production indicates the equivalent of about 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope *	Williamson	8S 1E	34	SW SW SE

* No air shaft was shown on the source map. Carter re-mined portions of Peerless Mine (mine index 813), and ventilation was probably through the old works.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	40-45			9	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Carter Coal Company	Carter	1936-1939	<u>8,070</u> 8,070

Last reported production: 1939

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353056	6-1939	1:1200	1:993	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, slope location, seam, depth, thickness.
 Microfilm map, document 3513056, reel 03141, frame 242 - Slope location, mine outline, mining method.

Mine Index 3961**Carterville Mining & Engineering Company, Carterville Mine**

Type: Surface Total mined-out acreage shown: None The pit locations are unknown and are probably included in other index numbers on the accompanying map. Production indicates approximately 10 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Williamson	8S 1E	34	SE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				6.92-10.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Carterville Mining & Engineering Company	Carterville	1934-1937	62,401 62,401

Last reported production: December 1937

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Williamson County) - Mine type, tipple location, thickness.

Mine Index 3962**Carterville Coal Company, Carterville Mine**

Type: Underground Total mined-out acreage shown: None Production indicates approximately 4 acres were mined. Not shown on accompanying map because of later surface mining by Forsyth-Carterville No. 1 Mine (mine index 3993).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 1E	35	NW SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	50			10	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Carterville Coal Company	Carterville	1940-1941	<u>25,519</u> 25,519

Last reported production: 1941

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

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

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

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

Mine Index 3963**Blue Blaze Coal Company, Curley Mine**

Type: Underground Total mined-out acreage shown: 47 The southern part of the mine was later surface-mined by Ace Diggin Mine (mine index 1007).

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 1E	35	NW NW SE
Air shaft	Williamson	8S 1E	35	SW SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	88			8.0-10.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Blue Blaze Coal Company	Blue Blaze	1946-1947	19,462
Carterville Blue Blaze Coal Company	Blue Blaze	1948-1949	10,970
Beasley Coal Company	Blue Blaze No. 1	1950-1950	6,804
Carterville Coal Company	Blue Blaze	1951-1951	170
Carterville Blue Blaze Coal Company	Blue Blaze	1951-1952	3,696
Carterville Blue Blaze Coal Company	Curley	1952-1956	21,400
Blue Blaze Coal Company	Curley	1957-1960	20,960
			83,462

Last reported production: March 1960

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353253	3-23-1960	1:2400	1:2979	Final

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, slope location, seam.

Microfilm map, document 353252, reel 03142, frame 194 - Slope & shaft locations, mine outline, mining method.

Mine Index 3965**Miller & Arvipas Coal Company, McNeil Mine**

Type: Underground Total mined-out acreage shown: 2 Production indicates approximately 3 acres were mined after the map date. Not shown on accompanying map because of later surface mining by Cold Water No. 2 Mine (mine index 943).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 2E	32	SE NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	40			8.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Bart McNeil Coal Company	McNeil	1933-1937	9,750
Bart McNeil Coal Company	McNeil	1937-1940	6,388 *
Miller & Arvipas Coal Company	McNeil	1941-1941	8,500 *
			24,638

* Production after map date

Last reported production: 1941

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-61	9-2-1937 **	1:1200	1:1200	Not final

** This paper map has the same extent as a microfilm map dated 1-6-1938.

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.

Company map, ISGS map library, 4103.W52 i5.1-61 - Slope location, mine outline, mining method.

Mine Index 3966**Herrin Fuel Company, Herrin Fuel No. 1 Mine**

Type: Underground Total mined-out acreage shown: 130

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 2E	30	NW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	161-166			8.0-9.0	RPB

Geologic Problems Reported: Some sulfur was present as thin streaks. The underclay was ten inches to three feet thick.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago & Herrin Coal Company	Chicago & Herrin No. 1, Nubbin Ridge	1901-1910	956,847
Herrin Fuel Company	Herrin Fuel No. 1	1910-1911	7,828
			964,675

Last reported production: 1911

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4102 i5.1-50, sheet 8	9-2-1931	1:15840	1:15840	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, seam, depth, thickness, geologic problems.

ISGS map library, 4102 i5.1-50, map of Franklin County Coal Co. 'Faults in the No. 6 Seam' - Shaft location, mine outline.

Mine Index 3967**Van Hoos Coal Company, Coal Belt Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 7 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple or pit	Williamson	8S 2E	32	SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				6.0-8.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Coal Belt Coal Company	Coal Belt	1919-1924 *	75,819
Van Hoos Coal Company	Coal Belt	1924-1924	<u>3,000</u>
			78,819

* Idle 1923

Last reported production: October 1924

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1435_01	Undated	1:12	not digitized **	Undated

** The source map had nothing to georeference to the USGS topographic map. An uncertain location point symbol was put in SE SE 32-T8S-R2E, as text on the source map indicated.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, seam, thickness.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 State archive, IL_1435_01 - Mine location.

Mine Index 3968**Down State Coal Company, Admiral No. 1 Mine**

Type: Surface Total mined-out acreage shown: 27

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Williamson	8S 2E	32	SW SW SE
Pit	Williamson	8S 3E	32	SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	30-50			4.67-8.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Down State Coal Company	Admiral No. 1	1945-1948	416,890
			416,890

Last reported production: August 1948

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
USGS digital orthophoto quadrangle	1999	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, seam, depth, thickness.
Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
Mine notes (Williamson County) - Mine type, tipple location, seam.
USGS digital orthophoto map, Herrin Quadrangle, 1999 - Mine outline.

Mine Index 3969**New Watson Coal Company, McVey No. 1 Mine**

Type: Underground Total mined-out acreage shown: 30 Production indicates approximately 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 2E	32	SW SW SW
Air shaft	Williamson	8S 2E	32	SW SW SW
Air shaft	Williamson	8S 2E	32	SE SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	57			7.0-9.0	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Watson Coal Company	Watson No. 3	1921-1923 *	20,726
Watson Mining Company	Watson No. 3	1923-1924	29,071
New Watson Coal Company **	McVey No. 1	1933-1946 ***	315,218
New Watson Coal Company **	McVey No. 1	1933-1946 ***	<u>12,434</u> †
			377,449

* Idle 1923

** Reopened abandoned mine; changed ownership in 1944, but operated under the same name

*** Idle 1939 & 1940

† Production after map date

Last reported production: December 1946

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-48	8-4-1946	1:1200	1:1200	Not final
Microfilm, document 353081	9-10-1939	1:1200	1:2317	Not final

Annotated Bibliography (data source, brief description of information)

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

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 (Herrin).

Company map, ISGS map library, 4103.W52 i5.1-48 - Slope & shaft locations, mine outline (Herrin Coal), mining method.

Microfilm, document 353081, reel 03141, frames 276 & 277 - Mine outline (Springfield Coal), mining method, air shaft location.

Mine Index 3970
John Reed, Reed Mine

Type: Underground Total mined-out acreage shown: None Not shown on accompanying map because of later surface mining by Van Hoos Mine (mine index 3967). Production indicates approximately 2 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 2E	32	NW SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	40			7.0-9.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
John Reed	Reed	1895-1903	<u>12,453</u> 12,453

Last reported production: 1903

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353047	3-1924	1:2400	1:4965	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, shaft location.
 Microfilm map, document 353047, reel 03141, frames 231 and 232 - Shaft location, mine outline, mining method.

Mine Index 3971
Herrin Coal Company, Herrin Mine

Type: Underground Total mined-out acreage shown: 19 A 2-acre general area of mining has also been added to the accompanying map to capture the air shaft within the mine outline. Production indicates approximately 3 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 2E	32	SE NE SE
Air shaft	Williamson	8S 2E	32	SE NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	75			4.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Roy Wilson Coal Company	Wilson No. 3	1936-1937	6,795
Roy Wilson Coal Company	Wilson No. 3	1937-1938	3,397 *
Herrin Coal Company	Herrin	1938-1940	4,877 *
			15,069

* Production after map date

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1514_01	9-1937	1:2400	1:2400	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.
 State archive, IL_1514_01 - Slope and shaft locations, mine outline, mining method.
 Mine notes (Williamson County) - Mine type, slope location, seam, depth, thickness.

Mine Index 3972**Diamond Coal Company, Diamond No. 2 Mine**

Type: Underground Total mined-out acreage shown: 7

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 2E	32	SE NE SW
Air shaft	Williamson	8S 2E	32	SE NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	50-90			3.83-4.0	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Logan-Illich Coal Company	Logan-Illich	1944-1946	43,095
Diamond Coal Company	Diamond No. 2	1947-1947	8,620
			51,715

Last reported production: December 1947

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1456_01	8-14-1948	1:1200	1:1200	Final

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, slope location, seam.

State archive, IL_1456_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 3978**Coal Stripping Company, Coal Stripping No. 1 Mine**

Type: Surface Total mined-out acreage shown: This mine is part of a larger surface-mined area that was mined by various operators and extends into the Johnston City and Marion Quadrangles to the east and southeast. The tonnage shown below is for all the Coal Stripping pits (including those in the Johnston City and Marion Quadrangles).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	8S 2E	33	SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	20-40	6.0	8.5	7.5	Surface

Geologic Problems Reported: A sandstone channel cut out all of the Pennsylvanian rocks above the coal and part of the coal at the northern end of one pit. Some variation in coal thickness was noted.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Pyramid Coal Company	Pyramid No. 1	1924-1927	920,480
Coal Stripping Company	Coal Stripping No. 1	1928-1931	511,416
			1,431,896

Last reported production: January 1931

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-130	1931	1:4800	1:4800	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.

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

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

ISGS map library, 4103.W52 i5.1-130 - Mine outline (ownership).

USGS topographic map, Marion Quadrangle, photorevised 1990 - Mine outline (general area of mining).

Mine Index 3981**Liberty Coal Company, Liberty No. 3 Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 7 acres were mined. The acreage mined by Liberty No. 3 Mine may be included with Williamson No. 1 Mine (mine index 955) or an unidentified surface mine (mine index 3983).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 1E	1	SW SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	35			4	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Liberty Coal Company	Liberty No. 3	1964-1965	43,880 43,880

Last reported production: January 1965

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Nelson, Catalog of Coal Mines	2003	(text only)	1:24000 *	Secondary source

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 W. J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Mine location.

Mine Index 3982**D. & R. Coal Company, El-Ben Mine**

Type: Underground Total mined-out acreage shown: 63

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	8S 1E	23	SW NE NE
Air shaft	Williamson	8S 1E	23	SE NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	160			8	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Blue Blaze Coal Company	Blue Blaze No. 2	1960-1964	64,614
Basin Cream Coal Company, Inc.	El-Ben No. 1	1964-1968	118,897
D. & R. Coal Company	El-Ben	1969-1969	<u>3,837</u>
			187,348

Last reported production: April 1969

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353293	4-3-1969	1:2400	1:4634	Final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Williamson County) - Seam.

Microfilm map, document 353293, reel 03142, frame 250 - Shaft locations, mine outline, mining method.

Mine Index 3984**Farley Brothers Coal Company, Black Dot Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 3 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 1E	1	NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	10-32			3.33-3.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Black Dot Coal Company	Black Dot	1955-1956	7,277
Farley Brothers Coal Company	Black Dot	1956-1957	8,359
			15,636

Last reported production: August 1957

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Nelson, Catalog of Coal Mines	2003	(text only)	1:24000 *	Secondary source

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, 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, depth.
 W. J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Mine location.

Mine Index 3986**McCutcheon & Templeton, McCutcheon & Templeton Mine**

Type: Underground Total mined-out acreage shown: None McCutcheon & Templeton mined the pillars left in the Old Burr Mine (mine index 3549) and extended the mining a little bit. The area shown for mine index 3549 will include the tonnage produced by McCutcheon & Templeton. Production indicates approximately 2 acres were mined after the map date, if all production was extending the mine boundary.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope *	Williamson	9S 1E	2	NW NW NE

* No air shaft appears to have been constructed for this mine. A note on the source map indicates that ventilation was "natural through cave holes to the surface".

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	50		9.6		HER

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Templeton & McCutcheon	Templeton & McCutcheon No. 1	1939-1940	2,225
Templeton & McCutcheon	Templeton & McCutcheon No. 1	1940-1940	2,050 **
McCutcheon, McCutcheon & Templeton	McCutcheon & Templeton	1941-1941	5,600 **
McCutcheon & Templeton	McCutcheon & Templeton	1942-1942	3,487 **
			13,362

** Production after map date

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, Msha_454_01	5-14-1940	1:2000	1:2000	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.

State archive, Msha_454_01 - Slope location.

Mine Index 3987**Pea Ridge Coal Company, Pea Ridge Mine**

Type: Underground Total mined-out acreage shown: 3 Production indicates less than 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	2	NE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin					RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Pea Ridge Coal Company	Pea Ridge	1937-1940	1,529
Pea Ridge Coal Company	Pea Ridge	1940-1942	646 *
			2,175

* Production after map date

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-42	8-20-1940	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.

Company map, ISGS map library, 4103.W52 i5.1-42 - Slope location, mine outline, mining method.

Mine Index 3988**J. W. Stalcup, Stalcup Mine**

Type: Underground Total mined-out acreage shown: None Production indicates approximately 12 acres were mined. This area was later surface mined by mine index 4433, an unidentified surface mine.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	2	SW NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	17-64			4.0-9.0	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
George Beltz Coal Company	Beltz	1905-1911 *	41,566
Carlisle Coal Company	Carlisle	1911-1912	575
J. W. Stalcup	Stalcup	1912-1913	6,000
Stalcup & Montgomery	Stalcup & Montgomery	1913-1915	6,812
J. W. Stalcup	Stalcup	1915-1917	14,850
			69,803

* Idle 1907

Last reported production: 1917

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Standard Atlas of Williamson County	1908	1:8665	1:8665	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, seam, depth, thickness.

Standard Atlas of Williamson County, Illinois, published by Geo. A. Ogle & Co., Chicago, 1908 - Slope location.

Mine Index 3989
Charles Hundley, Hundley Mine

Type: Underground Total mined-out acreage shown: 7 Production indicates approximately 3 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	2	SE NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin					RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
John Hundley	Hundley	1931-1932	3,108
Charles Hundley	Hundley	1933-1936	<u>12,247</u> 15,355

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-66	4-14-1937	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 i5.1-66 - Slope location, mine outline, mining method.

Mine Index 3990**Waldron & Brayfield, Waldron & Brayfield Mine**

Type: Underground Total mined-out acreage shown: None Production indicates approximately 8 acres were mined. This area was later surface mined by mine index 4433, an unidentified surface mine.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	2	NE NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	12			9	UG

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Thomas Parrett	Parrett	1903-1906 *	749
J. S. McNeil	McNeil	1906-1908	12,000
Tom Parritt	Parritt	1908-1909	4,800
J. S. McNeil	McNeil	1909-1914	40,800
Carlisle & McNeil	Carlisle & McNeil	1914-1915	2,094
Waldron & Brayfield	Waldron & Brayfield	1915-1916	3,619
W. J. John	John	1916-1917	<u>unreported</u> 64,062

* Idle 1905-1906; reported abandoned in 1906 Coal Report

Last reported production: 1917

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Standard Atlas of Williamson County	1908	1:8665	1:8665	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) - Seam, depth, thickness.

Standard Atlas of Williamson County, Illinois, published by Geo. A. Ogle & Co., Chicago, 1908 - Slope location.

Mine Index 3991**Prosperity Coal Company, Prosperity Mine**

Type: Underground Total mined-out acreage shown: None Prosperity Coal Company re-worked an area mined earlier by Peerless Mine (mine index 813), and most of the tonnage mined will be included in the polygon for that mine. Production indicates that the equivalent of approximately 5 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope *	Williamson	9S 1E	3	NE NW SW

* Ventilation was probably accomplished through the old workings and no other air shaft was constructed.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	60			10.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Prosperity Coal Company	Prosperity	1939-1942	<u>41,285</u> 41,285

Last reported production: March 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-38, sheet 1	2-1-1940	1:2400	1:2400	Not final
State archive, IL_1416_01	6-22-1942	1:2400	1:2400	Final

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, slope location.
 Company map, ISGS map library, 4103.W52 i5.1-38, sheet 1 - Slope location, mine outline, mining method.
 State archive, IL_1416_01 - Mine outline, mining method.

Mine Index 3992**Hafer Washed Coal Company, Hafer No. 1 Mine**

Type: Underground Total mined-out acreage shown: 75

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 1E	3	NW NW SW
Air shaft	Williamson	9S 1E	3	NW SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	40-70			7.0-9.75	RP

Geologic Problems Reported: A bony streak was often found just below the top of the coal.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Scott-Wilson Coal Company	Prosperity, Scott-Wilson No. 1	1896-1900	291,836
New Ohio Washed Coal Company	New Ohio No. 1	1900-1905	509,622
Hafer Washed Coal Company	Hafer No. 1	1905-1907	<u>21,549</u>
			823,007

Last reported production: 1907

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-136	3-16-1932	1:2400	1:2400	Secondary source
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	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, seam, depth, thickness, geologic problems.

ISGS map library, 4103.W52 i5.1-136, map of Peabody No. 25 Mine (mine index 813) - Air shaft location, mine outline (northern, eastern and western parts).

ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Shaft location, mine outline (southern part).

Mine Index 3993**Forsyth-Carterville Coal Company, Forsyth-Carterville No. 1 Mine**

Type: Surface Total mined-out acreage shown: 63

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Williamson	9S 1E	3	SW SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	40-50			7.5-9.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Forsyth-Carterville Coal Company	Forsyth-Carterville No. 1	1934-1945	<u>1,203,515 *</u> 1,203,515

* The 1937 production includes Jeffries Coal Company (mine index 3994) production, which Forsythe-Carterville Coal Company had bought that year.

Last reported production: November 1945

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353291	4-20-1941	1:3600	1:5958	Not final
USGS digital orthophoto quadrangle	1999	1:24000	1:24000	Secondary source
NAPP imagery	1998	1:20000	1:20000	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, tipple location, seam, depth, thickness.
 Microfilm map, document 353291, reel 03142, frame 247 - Mine outline, mining method.
 USGS digital orthophoto map, Herrin Quadrangle, 1999 - Mine outline.
 National Aerial Photography Program, 1998 - Mine outline (eastern and southeastern extent).

Mine Index 3994**Jeffries Coal Company, Jeffreis No. 3 Mine**

Type: Underground Total mined-out acreage shown: None Production indicates less than 1 acre was mined, and this was later surface-mined by Forsythe-Carterville Mine (mine index 3993).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Williamson	9S 1E	3	SE SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	35			9.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Jeffries Coal Company	Jeffries No. 3	1936-1937	<u>4,809</u> *
			4,809

* Sold to Forsyth-Carterville Coal Company; 1937 production reported with mine index number 3993.

Last reported production: 1937

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	1937	(text only)	1:24000 **	Secondary source

** The mine location was plotted onto a 1:24,000 USGS quadrangle from the mine location description and digitized.

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.

Mine Index 3995**Jeffries Coal Company, Jeffries No. 1 Mine**

Type: Underground Total mined-out acreage shown: None Production indicates approximately 1 acre was mined, but the area was later surface-mined by Forsythe-Carterville Mine (mine index 3993). Jeffries No. 1 Mine appears to have re-mined portions of Peerless Mine (mine index 813).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 1E	3	SE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				9.0-10.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Jeffries & Templeton	Jeffries & Templeton	1934-1935	5,436
Jeffries Coal Company	Jeffries No. 1	1935-1936	5,391
			10,827

Last reported production: May 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	1936	(text only)	1:24000 *	Secondary source

** The mine location was plotted onto a 1:24,000 USGS quadrangle from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

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

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

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

Mine Index 3996**Jeffries Coal Company, Jeffries No. 2 Mine**

Type: Underground Total mined-out acreage shown: 2, which includes areas mined by Jeffries No. 1 Mine (mine index 3995) and Jeffries No. 3 Mine (mine index 3994). This area was later surface-mined by Forsythe-Carterville Mine (mine index 3993) and the slope is not shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	3	SW NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				9.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Jeffries Coal Company	Jeffries No. 2	1936-1936	<u>2,645</u> 2,645

Last reported production: December 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-67	9-1937	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, seam.

Company map, ISGS map library, 4103.W52 i5.1-67 - Slope location, mine outline, mining method.

Mine Index 3997**McLaren Coal Company, McLaren No. 2 Mine**

Type: Underground Total mined-out acreage shown: 38 Production indicates approximately 2 acres were mined. This outline probably includes other McLaren mines and other operations. Portions of this mine, including the slope, were later surface-mined by P.R.S. Mine (mine index 4522).

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	4	NE NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				9.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
McLaren Coal Company	McLaren No. 2	1936-1937	14,667 *
			14,667

* 1937 production reported with McLaren No. 1 (mine index 4522)

Last reported production: December 1937

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353265	7-27-1948	1:2400	1:5131	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

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

Microfilm map, document 353265, reel 03142, frame 209, map of P.R.S. Mine (mine index 4522) - Slope location, mine outline, mining method.

Mine Index 3998**Prosperity Coal Company, Prosperity No. 1 Mine**

Type: Surface Total mined-out acreage shown: None Production indicates less than 1 acre was mined. This surface-mined area was later enlarged by P. R. S. Mine (mine index 4522) and this mine is not shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Williamson	9S 1E	4	NE NW SE
Pit	Williamson	9S 1E	4	NE NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				9.5-10.0	Surface

Geologic Problems Reported: The pit holed into old workings on the east end, probably Hafer No. 1 Mine (mine index 3992).

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Prosperity Coal Company	Prosperity No. 1	1924-1925	<u>5,518</u> 5,518

Last reported production: 1925

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Nelson, Catalog of Coal Mines	2003	(text only)	1:24000 *	Secondary source

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

Annotated Bibliography (data source, brief description of information)

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

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

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

W. J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Mine location.

Mine Index 3999**Sampson Coal Company, Sampson Mine**

Type: Underground Total mined-out acreage shown: None. Not shown on accompanying map because of later surface mining by P. R. S. Mine (mine index 4522).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 1E	4	NE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	47			9.0	UG

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Sampson Coal Company	Sampson		

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-136	3-16-1932	1:2400	1:2400	Secondary source

Annotated Bibliography (data source, brief description of information)

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.

ISGS map library, 4103.W52 i5.1-136, map of Peabody No. 25 Mine (mine index 813) - Shaft location.

Mine Index 4000**Deroque Coal Company, Deroque Mine**

Type: Surface Total mined-out acreage shown: 3

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 1E	4	SW NW NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Deroque Coal Company	Deroque		

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353265	7-27-1948	1:2400	1:5131	Secondary source

Annotated Bibliography (data source, brief description of information)

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

Mine notes (Williamson County) - Mine type, tipple / pit location, mining method.

Microfilm map, document 353265, reel 03142, frame 209, map of P.R.S. Mine (mine index 4522) - Mine location.

Mine Index 4002**Bill Henschcliff Coal Company, Henschcliff Mine**

Type: Surface Total mined-out acreage shown: None

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 1E	5	NW NW SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Bill Henschcliff Coal Company	Henschcliff	pre-1937	

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	Secondary source

Annotated Bibliography (data source, brief description of information)

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, thickness.

ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Mine location.

Mine Index 4004**New Block Coal Company, New Block Mine**

Type: Underground Total mined-out acreage shown: 4

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	11	NE NW NE
Air shaft	Williamson	9S 1E	11	SE NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	70			4	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
New Block Coal Company	New Block	1933-1936	<u>13,975</u> 13,975

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-51	8-28-1936	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, slope & shaft locations, seam, depth, thickness.

Company map, ISGS map library, 4103.W52 i5.1-51 - Slope & shaft locations, mine outline, mining method.

Mine Index 4005
William Bevard, Bevard Mine

Type: Underground Total mined-out acreage shown: 10, shown as a general area of mining

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 1E	11	NE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	16			4.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
William Bevard	Bevard	pre-1907	

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Shaft location, mine outline.

Mine Index 4006
Yates Coal Company, Yates Mine

Type: Underground Total mined-out acreage shown: Less than 1

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	11	NE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin					RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Yates Coal Company	Yates	1936-1937	<u>1,250</u> 1,250

Last reported production: 1937

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-118	3-10-1937	1:1200	1:1200	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.
 Mine notes (Williamson County) - Mine location.
 Company map, ISGS map library, 4103.W52 i5.1-118 - Slope location, mine outline, mining method.

Mine Index 4007**Elwin Beltz Coal Company, Beltz No. 2 Mine**

Type: Underground Total mined-out acreage shown: Less than 1

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	11	NE SW NW
Air shaft	Williamson	9S 1E	11	NE SW NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Elwin Beltz Coal Company	Beltz No. 2	1938-1939	<u>752</u> 752

Last reported production: 1939

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-87	8-10-1939	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.

Company map, ISGS map library, 4103.W52 i5.1-87 - Slope & shaft locations, mine outline, mining method.

Mine Index 4021
McLaren Coal Company, McLaren Mine

Type: Surface Total mined-out acreage shown: 140

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit / tippie	Williamson	9S 2E	4	NW NW
Pit	Williamson	9S 2E	5	NE SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
McLaren Coal Company *	McLaren	circa 1918	

* The location given is the same as the New Enterprise Mine (mine index 4022); they were probably the same mine, reporting production under the New Enterprise name. Production shown for the New Enterprise Mine indicates 40 to 45 acres were mined (see the back of the directory for additional possible production). The ISGS field notes (dated 1932) also refer to a Britain Coal Company, a shipping mine that operated in the Springfield Coal in 33-T8S-R2E west of the Chicago, Burlington & Quincy Railroad. No production was reported in the annual Coal Reports under this name. The ISGS field notes dated 1906 also note a surface mine in the middle of the west half of 4-T9S-R2E operated by E. D. Odeum. The back of this directory shows an Odum mine, but this operated in the 1920s. It seems likely that numerous small producers operated in this area over the years.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Mine location, mine outline.

Mine Index 4023**Spiller & Whitecotton, Spiller & Whitecotton Mine**

Type: Underground Total mined-out acreage shown: None Production indicates less than 1 acre was mined. Not shown on accompanying map because of later surface mining by Forsythe-Energy Mine (mine index 882).

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 2E	5	SE NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	20			5.5-9.0	RP

Geologic Problems Reported: A 2 inch blue band occurred 30-36 inches above the base of the coal.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Spiller & Whitecotton	Spiller & Whitecotton	1903-1908	5,460 5,460

Last reported production: 1908

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	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) - Slope location, seam, thickness, geologic problems.
 ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Slope location.

Mine Index 4024**Joe Poteete, Poteete Mine**

Type: Underground Total mined-out acreage shown: None Not shown on accompanying map because of later surface-mining by the Energy Mine (mine index 882).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Slope	Williamson	9S 2E	9	SE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	36			4.0	RP

Geologic Problems Reported: The coal was "rather dirty" and had considerable slack in it. The seam dipped to the north and west, more steeply to the west.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Joe Poteete *	Poteete		

* No company or individual of this name was listed in the Coal Reports. Production and years of operation are unknown, but the field notes imply the mine was active in 1932, when mines producing less than 1,000 tons per year were not reported.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	(text only)	1:24000 **	Secondary source
ISGS field notes (E. T. Benson)	8-10-1932	(text only)	1:24000 **	Secondary source

** The mine location was plotted onto a 1:24,000 USGS quadrangle from the mine location description 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.

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

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

Mine Index 4161
Carbondale Coal & Coke Company

Type: Underground Total mined-out acreage shown: 79

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	2	SE NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin					UG

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Carbondale Coal & Coke Company		circa 1880 *	

* The Carbondale Coal & Coke Company operated at least two mines around 1878 to 1884, the Dodd shaft (mine index 6910) and the Laflin slope (mine index 5973). No original maps survive of either mine, and all source maps indicating the location of these mines operated around 1930. Consequently, the locations shown are not consistent with each other. The mine shown at this location certainly operated before 1900, and may be an unknown mine operated by Carbondale Coal & Coke, or this may be the true location of the Dodd shaft or the Laflin slope, or this may be a mine operated by some unknown company.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4102 i5.1-50, sheet 1	9-2-1931	1:15840	1:15840	Secondary source

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, slope location.
 ISGS map library, 4102 i5.1-50, map of Franklin County Coal Company, Faults in the No. 6 Seam - Slope location, mine outline, seam.

Mine Index 4300**Patrick & Sons, Patrick & Sons Mine**

Type: Underground Total mined-out acreage shown: None

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Williamson	9S 1E	2	SW SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin					UG

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Patrick & Sons	Patrick & Sons	ca. 1932 *	

* Years of operation and production are unknown. Mines that produced less than 1,000 tons per year were not listed in the Coal Reports from 1930 to 1933.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (H. R. Wanless)	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 (Williamson County) - Mine names, mine index, ownership, years of operation.
ISGS field notes (Williamson County) - Mine type, drift location, seam.
W. J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Mine type.

Mine Index 4302**New Black Diamond Coal Company, New Black Diamond (No. 1 or No. 2) Mine**

Type: Underground Total mined-out acreage shown: None

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	11	NW NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	70			4	UG

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
New Black Diamond Coal Company	New Black Diamond (No. 1 / No. 2)	circa 1932 *	

* Mines producing less than 1,000 tons per year were not listed in the Coal Reports from 1930 to 1933.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (H. R. Wanless)	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 (Williamson County) - Mine name, mine index, ownership, years of operation.
 ISGS field notes (Williamson County) - Mine type, slope location, seam.
 W. J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Depth, thickness, mining method.

Mine Index 4436
James Winning, Winning Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	11	SE SE NW
Air shaft	Williamson	9S 1E	11	SW SE NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
James Winning	Winning	1922-1925	6,139
James Winning	Winning	1925-1926	4,768 *
			10,907

*Production after map date

Last reported production: 1926

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1401_01	2-16-1925	1:660	1:662	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.
 State archive, IL_1401_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4437
Young Brothers, Young Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 1E	11	NE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				9.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Young Brothers	Young	1929-1938 *	17,505
Young Brothers	Young	1938-1940	355 **
			17,860

* Idle or produced less than 1,000 tons in 1933

** Production after map date

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353153	7-8-1938	1:1200	1:993	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.

ISGS field notes (Wanless, 1932) - Seam, thickness.

Microfilm map, document 353153, reel 03142, frame 36 - Mine outline, mining method.

Mine Index 4440**Big Three Coal Company, Little Bird Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	9S 1E	11	SW NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	15			5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Crainville Coal Company	Crainville No. 1	1955-1955	616
Big Three Coal Company	Little Bird	1956-1956	3,628 4,244

Last reported production: November 1956

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Nelson, Catalog of Coal Mines	2003	(text only)	1:24000 *	Secondary source

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

W. J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Mine location.

Mine Index 4515**Will T. Sizemore, Sizemore Mine**

Type: Underground Total mined-out acreage shown: 3 Sizemore mined an un-mined block of coal within Peerless Mine (mine index 813) as well as an area between Peerless Mine and Prosperity No. 1 Mine (mine index 3992). Production indicates less than 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 1E	34	SE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	75-150			9	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Will T. Sizemore	Sizemore	1935-1938	16,395
Will T. Sizemore	Sizemore	1938-1939	1,633 *
			18,028

* Production after map date

Last reported production: 1939

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-102	2-1938	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Company map, ISGS map library, 4103.W52 i5.1-102 - Slope location, mine outline, mining method.

Mine Index 4516
Bill Illich Coal Company, Illich Mine

Type: Underground Total mined-out acreage shown: None Production indicates approximately 12 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 2E	32	NE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	90			4.0-8.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Red Ring Coal Company	Red Ring	1941-1941	5,480
Logan-Flick Coal Company *	Logan	1942-1946 **	25,462
Bill Illich Coal Company	Illich	1947-1948	<u>36,294</u>
			67,236

* This could very likely be a poor transcription of "Logan-Illich". For this reason, the name was not carried through to the mine name.

** Idle 1944-1946

Last reported production: September 1948

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

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

Mine Index 4517
Miller & Yates, Miller & Yates Mine

Type: Underground Total mined-out acreage shown: Less than 1 Not shown on accompanying map because the mine was later surface-mined by Cold Water Mine (mine index 943).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	8S 2E	32	NW SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin					UG

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Miller & Yates	Miller & Yates		

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353044	8-10-1941	1:1200	1:993	Not final *

* The map may be final, but without years of production the correct coding is uncertain.

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Microfilm map, document 353044, reel 03141, frame 228 - Slope location, mine outline, mining method.

Mine Index 4518**Prosperity Coal Company, Prosperity No. 2 Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 1E	4	SE NE SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Prosperity Coal Company	Prosperity No. 2	1923-1924	<u>5,704</u> 5,704

Last reported production: June 1924

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (J. Potteets)	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)

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 location, seam.

ISGS field notes (Williamson County) - Mine location.

Mine Index 4519**Hampton Coal Company, Hampton Mine**

Type: Underground Total mined-out acreage shown: None The location is very generalized and may be anywhere in the section. Production indicates less than 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	2	

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin					RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Hampton Coal Company	Hampton	1934-1937	358
			358

Last reported production: 1937

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Mine Index 4520**New Black Diamond Coal Company, New Black Diamond No. 3 Mine**

Type: Underground Total mined-out acreage shown: 6

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	2	SW SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	40			4.0-4.42	RPB

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Carterville Black Diamond Coal Company	Carterville Black Diamond No. 3	1924-1929 *	122,457
Carterville New Black Diamond Coal Co.	New Black Diamond No. 3	1930-1930	2,339
New Black Diamond Coal Company	New Black Diamond No. 3	1931-1936	36,065
			160,861

* Idle 1929

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-55	12-20-1936	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, mining method, seam, depth, thickness..
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Company map, ISGS map library, 4103.W52 i5.1-55 - Slope location, mine outline, mining method.

Mine Index 4521**Williamson & Tripp Coal Company, Williamson & Tripp Mine**

Type: Underground Total mined-out acreage shown: 3

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Slope	Williamson	9S 1E	2	NE SE SW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Williamson & Tripp Coal Company	Williamson & Tripp	circa 1934 *	

* Mines producing less than 1,000 tons per year were not listed in the Coal Reports from 1930 to 1933. The map may be a final map, surveyed after the mine was abandoned, or the production may be listed under another name.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-114	8-17-1934	1:1200	1:1200	Not final **

** The map may be final, but without years of production the correct coding is uncertain.

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
Company map, ISGS map library, 4103.W52 i5.1-114 - Slope location, mine outline, mining method.

Mine Index 4522**P. R. S., Inc., P. R. S. Mine**

Type: Surface Total mined-out acreage shown: 77 in Herrin Coal and 162 in Springfield Coal

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit *	Williamson	9S 1E	4	NE NE SE

* Pits were mined in SW Section 3 and NE Section 4, T9S-R1E in the Herrin Coal, and SW Section 3 and SE & NW Section 4, T9S-R1E in the Springfield Coal.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	35-44			4.0-9.0	Surface
Springfield	32-36			4.0	

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
McLaren Coal Company	McLaren No. 1	1935-1946	906,115 **
P. R. S., Inc.	P. R. S.	1946-1949	226,513
			1,132,628

** 1937 tonnage includes McLaren No. 2 (mine index 3997); some later years may also.

Last reported production: April 1949

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353265	7-27-1948	1:2400	1:5131	Final / Not final ***

*** Final for the Herrin Coal, Not final for the Springfield Coal

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness (Herrin).
 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 (Springfield).
 Microfilm map, document 353265, reel 03142, frame 209 - Tipple / pit locations, mine outline, mining method.

Mine Index 4564**Raymond Prewitt Coal Company, Prewitt Mine**

Type: Surface Total mined-out acreage shown: 2

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	8S 2E	32	SE SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				9.0	Surface

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Raymond Prewitt Coal Company	Prewitt	1955-1955	<u>2,300</u> 2,300

Last reported production: February 1955

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files, strip mine updates	1976	1:8400	1:8400	Secondary source

Annotated Bibliography (data source, brief description of information)

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

Coal Section files, strip mine updates - Mine name, mine outline, mining method.

Mine Index 4628**Rodney Coal Company, Rodney Mine**

Type: Underground Total mined-out acreage shown: None Production indicates less than 1 acre was mined. The Rodney Mine is not shown on the accompanying map because of later surface mining by mine index 4433, an unidentified surface mine.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft or drift	Williamson	9S 1E	2	NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin				7.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Rodney Coal Company	Rodney	1934-1936 *	<u>3,708</u> 3,708

* Idle 1935

Last reported production: 1936

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

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

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

Mine Index 4735
Armstrong Mine

Type: Underground Total mined-out acreage shown: 12 Not shown on accompanying map because of later surface mining by the Energy Mine (mine index 882).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 2E	9	SW SW NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Armstrong Mine	Armstrong	circa 1934 *	

* Mines producing less than 1,000 tons per year were not listed in the Coal Reports for 1930 to 1933. Production for this mine is unknown. The mine may have reported under another name.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	Secondary source

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Mine type, mine location, ownership.

Mine Index 5973**Carbondale Coal & Coke Company, Laflin Slope Mine**

Type: Underground Total mined-out acreage shown: 5, shown as a general area of mining
 Production indicates approximately 50 acres were mined after 1882.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 1E	2	SW SE NW *

* This location is a slope near the Dodd Mine, in the approximate reported vicinity of the Laflin Slope. However, this location may be a different unlocated mine (see the back of this report).

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Danville	60			9.0-9.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Carbondale Coal & Coke Company	Laflin Slope	pre 1878-1885	<u>388,471</u> 388,471

Last reported production: 1885

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness, mining method.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Slope location, mine outline.

Mine Index 6650
M. Hampton, Hampton Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 1E	2	S ½, near center line

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	30			9.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Richard Hampton	Hampton No. 1	1901-1903	4,566
M. Hampton	Hampton	1903-1905	<u>10,203</u>
			14,769

Last reported production: 1905

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	8-5-2004	(text only)	1:24000 *	Secondary source

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness, mining method.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine location.
 W. J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Seam.

Mine Index 6800
Robert Dick Coal Company, Dick Mine

Type: Underground Total mined-out acreage shown: 1,238 This area includes the Madison No. 8 Mine (mine index 167).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft *	Williamson	9S 1E	28	SE SW SE
Air shaft *	Williamson	9S 1E	28	SW SE SE
Shaft	Williamson	9S 1E	35	SW NW NW

* These shafts were later used by the Madison No. 8 Mine (mine index 167).

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	80-125			7.0-9.0	MRP, RPP, HER **

** Pillars appear to have been pulled throughout the mine.

Geologic Problems Reported: Rolls and very bad roof conditions were noted throughout the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Robert Dick Coal Company	Dick	1899-1912	<u>766,981</u> 766,981

Last reported production: 1912

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353109	9-27-1923	1:2400	1:4634	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.
 Microfilm map, document 353109, reel 03141, frames 330 & 331 - Shaft locations, mine outline, mining method.
 geologic problems.

Mine Index 6910**Carbondale Coal & Coke Company, Dodd Mine**

Type: Underground Total mined-out acreage shown: 68, as a general area of mining The reported production indicates approximately 70 acres were mined after 1882. The previous ten years' production is unknown, but was reported to undermine an additional 50 acres.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 1E	2	SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	60			9.0-9.5	RP

Geologic Problems Reported: Two feet of top coal was left to hold the roof, then the top coal was mined on retreat.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Carbondale Coal & Coke Company	Dodd	1872-1886	572,655 *
			572,655

* Production before 1882 is unknown. The 1882 Coal Report indicated that 50 acres had been mined. Some of the production may include coal mined from the Lafflin Slope (mine index 5973).

Last reported production: 1886

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W52 i5.1-189	8-11-1934	1:63360	1:63360	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Shaft location, mine outline.

OTHER MINES SHOWN ON THE HERRIN QUADRANGLE

Mine Index 3868 SE SW 32-T8S-R2E, Herrin Coal, surface, operated after 1924 but before 1934
source: ISGS map library, 4103.W52 i5.1-189 work map for Federal Land Bank Report map, USGS digital orthophotographic Herrin Quadrangle (1999), W. J. Nelson (ISGS) Catalog of Coal Mines in Williamson County (2003)

Mine Index 3983 S $\frac{1}{2}$ 1-T9S-R1E, Springfield Coal, surface source: ISGS field notes (Wanless, 1931)

Mine Index 4432 SW SE SW 2-T9S-R1E, Herrin Coal, drift source: ISGS field notes (1906), Mine notes (1932)

Mine Index 4433 NE 2-T9S-R1E, Herrin Coal, surface source: USGS digital orthophotographic quadrangle, 1999

Mine Index 4566 SW SE NW 11-T9S-R1E, Springfield Coal, underground source: ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map

Mine Index 4567 SE SE NE 32-T8S-R2E, Herrin Coal, surface source: ISGS field notes (1932)

Mine Index 4568 * SE SE NE 32-T8S-R2E, Herrin Coal, slope source: ISGS field notes (1932)

Mine Index 4569 * NW SW SW 4-T9S-R2E, Herrin Coal, slope source: ISGS field notes (1932)

Mine Index 5971, Donaly Mine SE NW SW 2-T9S-R1E, Herrin Coal source: ISGS map library, 4102 i5.1-50, sheet 1, 9-2-1931; Microfilm map, document 353197, reel 3142, frame 105, map of Hundley Mine (mine index 3989)

Mine Index 5972 SE NE NW 2-T9S-R1E, Herrin Coal, shaft source: ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map

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

MINES WHOSE LOCATIONS ARE NOT KNOWN, HERRIN 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 mines listed below mined somewhere in or near the Herrin Quadrangle. The information 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: coal seam mined, type of opening for the mine (drift, slope or shaft), depth of coal in feet, and thickness of coal in feet. In Williamson County the Coal Reports list all mines prior to 1908 as mining the Danville Coal while all mines in 1908 were listed as mining the Herrin Coal. Seam designations from early Coal Reports are unreliable.

The total tons mined by these unlocated mines is 1,426,712 (1,063,241 underground, 273,903 surface mined and 89,568 by uncertain method), which would represent approximately 110 to 350 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

"Other strippings" within Williamson County, 1883-1887, surface	27,500 tons
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ABSHER

Nealy (George), 1895-1896, drift, —, —, 5.0, RP	2,100 tons
Neally Brothers, 1897-1898, surface, Herrin, 10, 6.0	300 tons
Schreiyyer (Robert), 1896-1898, surface, Herrin, 7, 5.0	95 tons
Bauwick (William), 1895-1896, surface, Herrin, 7, 5.0	not reported
Read (William), 1896-1899, surface, Herrin, 7-9, 5.0-7.0	180 tons
Brush (G. G.), 1899-1901	<u>600</u> tons 780 tons
Ritchie (Grant), 1896-1898, surface, Herrin, 7, 5.0-5.5	55 tons
Ritche (Len), 1896-1896, surface, Herrin, 8-10, 7.0-8.0	none reported

Ritchie (William), 1897-1900	1,830 tons
Dunsford (Charles), 1901-1903, drift, Herrin, 20, 5.5, RP	850 tons
Harris (Frank), 1903-1904	<u>500 tons</u>
	1,350 tons
Snoddy Brothers, 1901-1902	26 tons
Asber (Albert), 1903-1904	700 tons

BLAIRSVILLE

Williams (W. H.), 1897-1898, shaft, Danville, 80, 7.0-8.83, RP	800 tons
Howells (S.), 1898-1900	<u>600 tons</u>
	1,400 tons

CAMBRIA

Phillips (George A.), 1913-1915, slope, Herrin, 20, 8.5-9.0, RP	685 tons
Sunrise Coal Company, 1917-1918, slope/shaft, Herrin, 130, 6.0-9.0, RP	20,158 tons
John (W. H.), 1918-1919	16,624 tons
Sunrise Coal Company, 1919-1923	113,698 tons
Quaker Coal Company, Sunrise Mine, 1923-1924	<u>27,579 tons</u>
	178,059 tons
Leah Coal Company, 1920-1922, shaft, Springfield, —, 3.83, RP	29,122 tons
Pleasant (Raymond), 1923-1927	2,674 tons
Waterloo Coal Company, 1924-1925	1,169 tons
Hagler (Harry), 1926-1928, underground	6,146 tons
Elkins & Sizemore, 1926-1927, underground	3,285 tons
Elkins & Jones, 1928-1929	2,138 tons
Elkins & Johns, 1930-1931	4,999 tons
Johns (W. H.), 1932-1932	<u>1,760 tons</u>
	12,182 tons
Poston (I. N.), 1933-1933, underground	4,446 tons
Elkins & Richy, 1934-1934, underground	350 tons

CARTERVILLE (includes listings for Fredonia)

McNeil (J. S.) Coal Company, 1915-1916, slope, Herrin, 24, 7.5, RP	8,000 tons	
Lewis (E.) Coal Company, No. 1 Mine, 1916-1918	<u>12,000 tons</u>	
	20,000 tons	
Liberty Coal Company, No. 6 Mine, 1967-1968, surface, Herrin, 37, 8.0	21,635 tons	mine index 4251
Wright (George), 1883-1884, drift, —, —, 2.0, RP	not reported	
1884 Coal Report, p. 587, 2 miles west of Carterville, opened & abandoned, production not reported		
Reynolds (Seth), 1885-1889, shaft, Danville, 18, 9.5, RP	1,262 tons	
Winning & McMath, 1888-1889, shaft, Danville or Springfield, 45, 3.0, RP	4,782 tons	
McMath (George), 1889-1892	<u>18,996 tons</u>	
	23,778 tons	

Walker (J. M.), 1890-1890	200 tons
Griffin & Nickles, 1887-1890, shaft, Herrin, 50, 8.5, RP	850 tons
Sprague & Nichols, 1890-1891	<u>1,500</u> tons
	2,350 tons
Lansom (T. J.), 1892-1895, shaft, Danville, 30, 6.0-9.0, RP	5,113 tons
Talby & Lawson, 1895-1896	<u>3,000</u> tons
	8,113 tons
Walden (David, Sr.), 1892-1893, shaft, Danville, 30, 9.0-9.5, RP	1,810 tons
Waldron (David) & Company, 1893-1894	1,725 tons
Belce Brothers, 1894-1895	1,725 tons
Liddle & Warren, 1895-1896	<u>2,000</u> tons
	7,260 tons
Scott-Wilson Coal Company, No. 2 Mine, 1897-1900 shaft, Danville, 65-74, 7.0-9.0, RP	217,750 tons
New Ohio Washed Coal Company, No. 2 Mine, 1900-1903	<u>251,973</u> tons
	469,723 tons
Carterville Diamond Mining Company, 1903-1905 shaft, Danville, 20-80, 7.0, RP	1,920 tons
Powel (W. J.), shaft, Danville, 30, 9.0, RP	600 tons
Rice (Reese) & Crain, 1904-1905, shaft or slope, Herrin, 20-40, 7.0, RP	1,650 tons
Phillips (George A.), 1905-1908, slope, Danville / Herrin, 58-80, 8.0-9.0, RP	3,012 tons
Lewis (T. E.), 1912-1913, slope, Herrin, 80, 9.0, RP	1,875 tons
Connett (W. E.), 1912-1913, slope, Herrin, 13-14, 4.0-5.5, RP	200 tons
Motsinger (Arthur), 1913-1916	<u>1,825</u> tons
	2,025 tons
Crain (H. P.), 1913-1916, slope, Herrin or Springfield, 20-30, 4.0-6.0, RP	8,020 tons
Lewis Coal Company, 1916-1917	9,000 tons
Lewis (Thomas), 1917-1918	<u>5,000</u> tons
	14,000 tons
Lewis (Thomas E.), 1916-1918	1,075 tons
Lewis (Thomas E.), 1917-1918	475 tons
Hurricane Coal Company, 1917-1918	150 tons
Clarida (Moody), 1919-1920, surface	2,058 tons
Hampton Coal Company, 1920-1922	<u>15,065</u> tons
	17,123 tons
Block Coal Company, No. 1 Mine, 1920-1921	11,500 tons
Carterville Fuel Company, No. 1 Mine, 1922-1923, surface, Herrin, —, 7.0	32,975 tons
Bradley (Bradbury) & Scullin, No.2, 1922-1924, slope, Herrin, —, 7.0, RP (also listed as New Prosperity Mine in 1923, and Doran Mine in 1924)	16,316 tons
Donaly Coal Company, 1922-1927	20,506 tons
Congler Brothers & Company, 1922-1923, underground	1,500 tons
Caughler & Clarida Coal Company, 1923-1924 (idle or reported under another name, 1925-1926)	8,000 tons
Cagle & Clarida, 1927-1927	1,103 tons

Gogle & Islander, 1928-1928 (believed to be typographic error, "Cagle")	3,100 tons
Cagle (John), 1939-1930	<u>5,500 tons</u>
	19,203 tons
Phillips (John R.), 1925-1925	476 tons
McLaren Coal Company, No. 1, 1926-1929, slope, Herrin, 40, 7.0-9.0, RP	111,962 tons
Tripp & Rushing, 1933-1934, underground	2,500 tons
Tripp Coal Company, 1935-1936	<u>1,500 tons</u>
	4,000 tons
Young Brothers, No. 2 Mine, 1927-1927	775 tons
McEwan (J. & R.), 1927-1927	500 tons
Tregoning Coal Company, 1928-1929, slope, Herrin, 60, 8.5, RP	10,025 tons
Williamson (George), 1928-1929, underground	3,700 tons
Williamson (Nolia), 1934-1936	1,187 tons
Carterville Coal & Mining Company, No. 1, 1931-1933, surface, —, 7.5-8.0 Herrin Coal	5,487 tons
Carterville-Peacock Coal Company, 1932-1934, surface, Herrin, 6.25-8.5	177,867 tons
Lee (Clyde M.), 1932-1932, underground	1,512 tons
Phillips Coal Company, 1934-1934, underground	750 tons
Humphrey (D. M.), 1934-1934, surface	301 tons
Patrick (Charles), 1935-1935, surface	65 tons
Black Diamond Coal Company, No. 2 Mine, 1935-1935, underground	700 tons
Carterville Coal Corporation, Black Diamond Mine, 1917-1920	26,968 tons
Block Coal Company, No. 2 Mine, 1920-1921	<u>18,419 tons</u>
	45,387 tons
Vulcan Coal Company, No. 1 Mine, 1942-1943, underground	1,510 tons
Lee Coal Company, 1949-1949, surface	650 tons
Liberty Coal Company, No. 5 Mine, 1967-1967, surface, Herrin, 40, 8.0	10,415 tons

DAHLGREN

McGinnis (T. D.), 1892-1893, surface, Herrin, —, 6.0	600 tons
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ENERGY

Beltz (Caram), 1929-1929, surface	425 tons
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FAIRFIELD

Rumberg (C. H.) Coal Company, 1950-1950, surface, Herrin, 14, 5.0	1,000 tons
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HERRIN

Jordan & McKee, 1909-1910, slope, Herrin, 15, 9.0, RP	150 tons
Bateman (M. T.), 1915-1916, slope, Herrin, —, 4.0, RP	1,075 tons
New Prosperity Coal Company, No. 1 Mine, 1920-1923 shaft or slope, Herrin, —, 7.0-9.0, RP	33,137 tons
Coloni (John), 1921-1923	4,000 tons
Watson Coal Company, No. 2, 1922-1924, slope, Herrin, 60, 4.0-6.0, RP	58,073 tons
Greer (O. A.), 1922-1923	2,000 tons
Wilson (D.), 1923-1924	237 tons

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