

Coal Mines in Illinois
Crab Orchard Quadrangle

Williamson County, Illinois

Danville Coal

This map accompanies the Coal Mines Directory for the Crab Orchard Quadrangle and maps of mines in the Herrin & Mt. Rorah Coals, Springfield Coal, and Davis/Dekoven & Houchin Creek Coals, Crab Orchard 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
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- 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

Mine Annotation
(space permitting)

Company
Mine Name
ISGS Index No., Years of Operation

Disclaimer

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

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Illinois State Geological Survey
PRAIRIE RESEARCH INSTITUTE

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

Mine Outlines Compiled by
Alan R. Myers

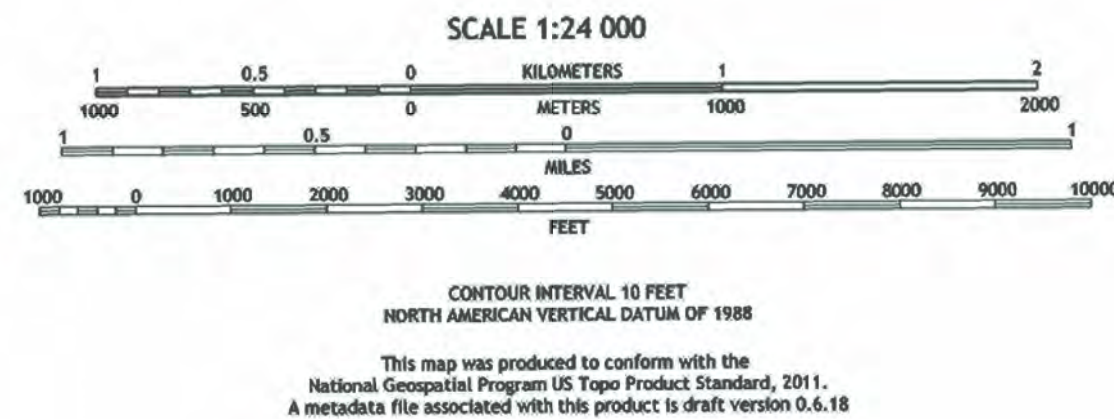
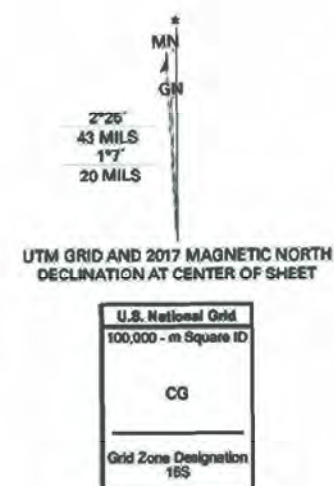
September 26, 2003

Revised:
01-10-2005, 06-30-2023
Alan R. Myers 01-31-2025



Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
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Imagery.....NAP, August 2015 - October 2015
Roads.....U.S. Census Bureau, 2017
Names.....CENS, 1982 - 2017
Hydrography.....National Hydrography Dataset, 2002 - 2011
Contours.....National Elevation Dataset, 2014
Boundaries.....Multiple sources; see metadata file 2014 - 2016
Public Land Survey System.....BLM, 2017
Wetlands.....FWS National Wetlands Inventory 1982 - 1994



CRAB ORCHARD, IL
2018

Coal Mines in Illinois
Crab Orchard Quadrangle

Williamson County, Illinois

Herrin & Mt. Rorah Coals

This map accompanies the Coal Mines Directory for the Crab Orchard Quadrangle and maps of mines in the Danville, Springfield, and Davis/Dekoven & Houchin Creek Coals, Crab Orchard Quadrangle. Consult the Directory for a complete explanation of the information shown on this map.

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Mine Annotation
(space permitting)

Company
Mine Name
ISGS Index No., Years of Operation

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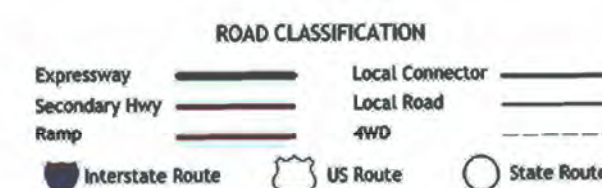
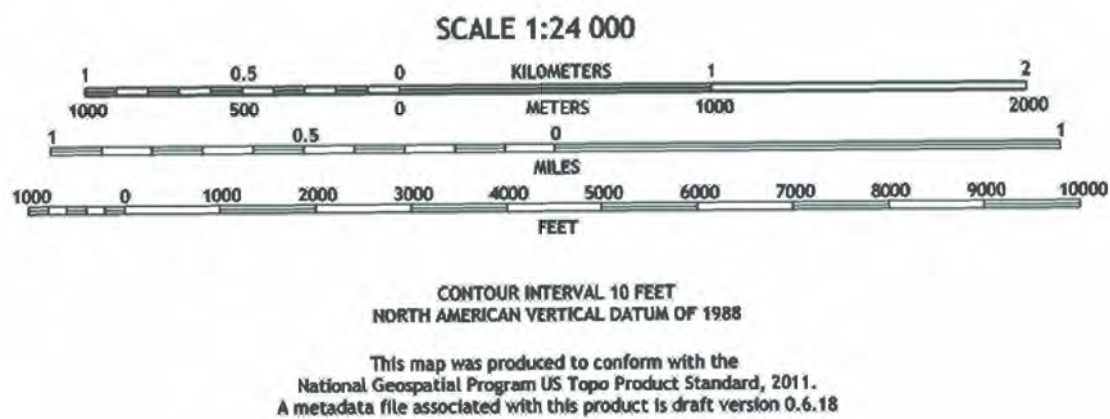
Location



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CRAB ORCHARD, IL
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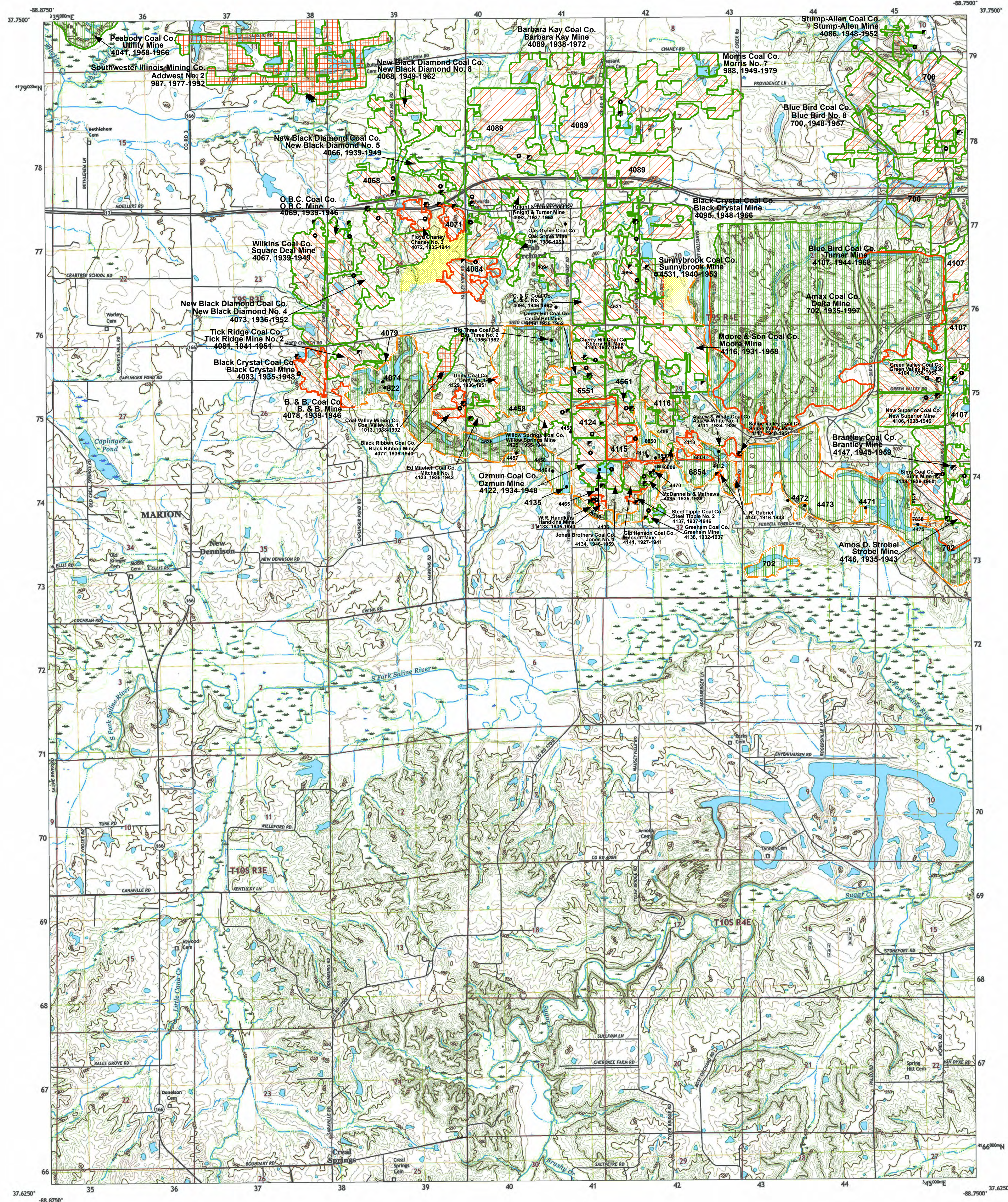
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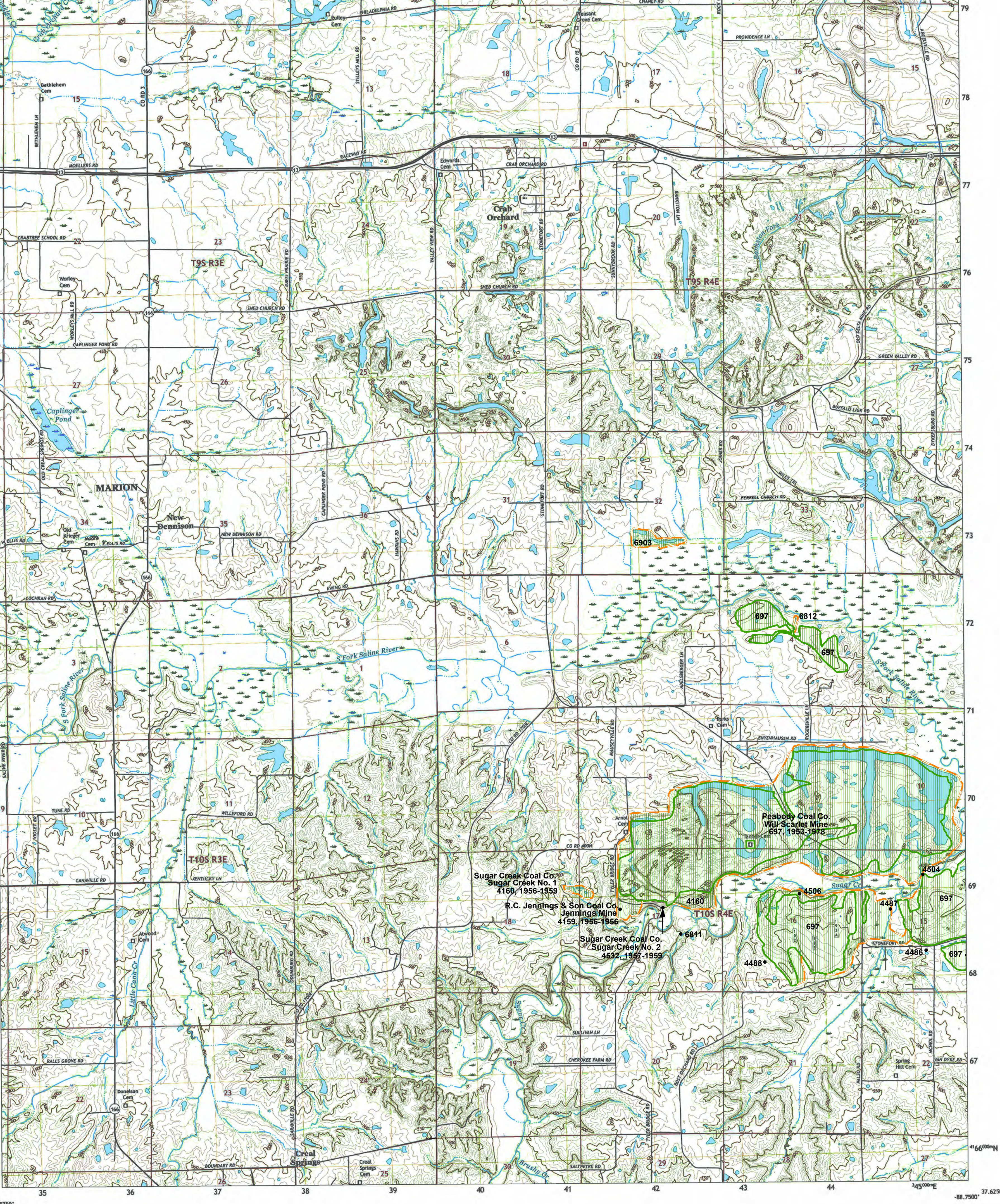
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Location



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UTM GRID AND 2017 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET
U.S. National Grid
100,000 - 100,000
CO
Great Circle Distance
100

SCALE 1:24 000
1 000 000 500 000 0 500 1000 1500 2000
KILOMETERS
1 000 000 500 000 0 500 1000 1500 2000
METERS
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET
CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

ILLINOIS
QUADRANGLE LOCATION
1 2 3
4 5
6 7 8
1 Johnston City
2 Peabody
3 Harco
4 Marion
5 Carver Mills
6 Greenville
7 Coal Springs
8 Springfield

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
US Route
State Route

CRAB ORCHARD, IL
2018

DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES CRAB ORCHARD QUADRANGLE WILLIAMSON COUNTY

Alan R. Myers & Cheri Chenoweth



Department of Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY
2003
REVISED 2005, 2023, 2025

**DIRECTORY OF COAL MINES IN ILLINOIS
7.5-MINUTE QUADRANGLE SERIES
CRAB ORCHARD QUADRANGLE
WILLIAMSON COUNTY**

2003
REVISED 2005, 2023

ILLINOIS STATE GEOLOGICAL SURVEY
William Shilts, Chief

Natural Resources Building
615 East Peabody Drive
Champaign, Illinois 61820

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

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

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

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

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INTRODUCTION

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

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

The directory serves as a key to the accompanying mine map and provides basic information on the coal mines. The directory is composed of two parts. Part I explains the symbols and patterns used on the accompanying map and the summary data presented for each mine. Part II numerically lists the mines in the quadrangle and summarizes the geology and production history of each mine.

MINING IN THE CRAB ORCHARD QUADRANGLE

Most of the mining in the Crab Orchard Quadrangle occurred in the Herrin and Springfield Coals, but some small mines and large surface mines also mined the Houchin Creek, Dekoven and Davis Coals that are near the surface south of the Herrin and Springfield outcrops. Two small mines also mined the Mt. Rorah Coal in the southern half of the quadrangle. In the northern part of the quadrangle, some Danville Coal was locally mined.

The Herrin Coal was generally mined from the surface, except near the very northernmost part of the quadrangle, where the coal was deep enough to have sufficient roof for safe underground mining. The Herrin was generally from 5 to 6 feet thick, but locally ranged up to 8 feet. The Springfield Coal was slightly thinner over this quadrangle, generally from 4 to 5 feet thick, but was present over a greater area. Because of the thin coal, mines in the Springfield Coal were smaller here than the large mines to the northwest in the Johnston City Quadrangle.

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 CRAB ORCHARD QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in Crab Orchard 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 697

Peabody Coal Company, Will Scarlet Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

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

GEOLOGY

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

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

PRODUCTION HISTORY

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

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

Last reported production: 1987

SOURCES OF DATA

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

Annotated Bibliography (data source, brief description of information)

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

Mine Index 700**Blue Bird Coal Company, Blue Bird No. 8 Mine**

Type: Underground Total mined-out acreage shown: 433

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	15	NW NW SE
Air shaft	Williamson	9S 4E	15	SW NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	175			4.17-4.5	RPP

Geologic Problems Reported: Some areas of "bad top" were noted on the source map northeast of the slope, as well as numerous areas in various parts of the mine (mostly south of the slope bottom). In some areas, expansion was halted due to the poor roof.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Blue Bird Coal Company	Blue Bird No. 8	1948-1957	<u>1,862,165</u> 1,862,165

Last reported production: May 1957

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, il_1680_03_geo	5-18-1957	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, slope location, seam.

State archive map, il_1680_03_geo - Slope & shaft locations, mine outline, mining method, geologic problems.

Mine Index 702
Amax Coal Company, Delta Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

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

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

GEOLOGY

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

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

PRODUCTION HISTORY

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

* Some production is from Saline County.

Last reported production: 1997

SOURCES OF DATA

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

Annotated Bibliography (data source, brief description of information)

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

Mine Index 819**Oak Grove Coal Company, Oak Grove Mine**

Type: Underground Total mined-out acreage shown: 73

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 4E	19	NW SW NW
Air shaft	Williamson	9S 4E	19	SW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	85-90			4.33-4.67	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
W. H. B. Coal Company	W. H. B.	1936-1939	8,083
Oak Grove Coal Company	Oak Grove	1939-1953 *	318,766
			326,849

* Idle 1951

Last reported production: May 1953

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1462_01	4-5-1954	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive map, IL_1462_01- Shaft locations, mine outline, mining method.

Mine Index 822
Shed Coal Company, Shed Mine

Type: Surface Total mined-out acreage shown: None This mine is within a larger surface-mined area.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 3E	25	SE SE NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Shed Coal Company	Shed	-1932 *	

* Not listed in Coal Report for 1932 or previous years; mines producing less than 1,000 were not reported from 1930-1934. The mine notes indicated this mine produced coal for neighborhood supplies.

Last reported production:

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

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

Mine Index 949**Jader Fuel Company, Jader No. 2 Mine**

Type: Surface Total mined-out acreage shown: 72

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	20	NW NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	35-50			5.0-5.83	Surface

Geologic Problems Reported: Pods and lenses of Energy Shale were present above the coal. One lens was over 100 feet long. Rolls were present in the seam, as well as some coal balls (near the base of the seam).

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Houston Coal Company	Houston No. 3	1973-1975	21,439
Jader Fuel Company	Jader Fuel No. 2	1975-1980	464,957
			486,396

Last reported production: August 1980

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, Coal Section files	6-15-1983	1:7920	1:7920	Final
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

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

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

Department of Mines & Minerals, 7a-02-13, aerial photograph base map with surface mines identified - Mine outline.

Mine Index 987
Southern Illinois Mining Company, Addwest No. 2 Mine

Type: Underground Total mined-out acreage shown: 313

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Williamson	9S 3E	14	SW NE NE
Air drift	Williamson	9S 3E	14	SW NE NE
Drift	Williamson	9S 3E	14	SW NE NE
Drift	Williamson	9S 3E	14	SW NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	70-96	4.0	5.0	4.5	BRP

Geologic Problems Reported: The gray shale made a good roof, except near the intake air entries, where it was weakened by condensation moisture. In several locations falls occurred in the gray shale. The shale tended to show dampness and some small slips and slickensides at roof fall locations.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Morris Coal Company, Inc.	Morris No. 5	1977-1979	506,198
Classic Coal Corporation *	Classic No. 5	1980-1981	537,876
Southern Illinois Mining Company	Addwest No. 2	1991-1992	<u>283,141</u>
			1,327,215

* Owned by Adams Resources & Energy, Inc. The mine was idled for over 2 years (fans & pumps continued to run), and was re-opened as Addwest No. 2 Mine in 1991.

Last reported production: 1992

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 1-41-11	9-1992	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, drift location, seam, thickness, geologic problems.
 Company map, Coal Section files, 1-41-11 - Drift locations, mine outline, mining method.

Mine Index 988
Morris Coal Company, Morris No. 7 Mine

Type: Underground Total mined-out acreage shown: 254

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	17	SW SW NW
Air shaft	Williamson	9S 4E	17	NW SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	184			4.33	RPP

Geologic Problems Reported: The source map shows bad top in the western half of 17-T9S-R4E. Water was also noted at the northern end of the mine. The roof was 2.5 feet of black shale. The coal dipped to the north and east, too steeply for a mule to pull.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
New Norris Coal Company	New Norris	1947-1949	31,673
Norris-Wilson Coal Company	Norris-Wilson	1950-1952	6,403
Parton Coal Company	Parton No. 2	1954-1969 *	450,053
Morris Coal Company **	Morris No. 7	1978-1979	<u>213,256</u> 701,385

* Idle 1969

** Buddy Morris attempted to re-open Parton No. 2 Mine, but difficulties with blasting in the nearby pits of Amax Delta mine (mine index 702) resulted in a court case attempting to stop Delta personnel from blasting while the underground miners were at work. This underground mine was closed in early 1980 and bought by Amax Coal Company to surface mine the Herrin Coal above this mine. Morris still owned the Springfield Coal, but the mining of the coal was unlikely due to the fracturing of the roof from the surface mine explosives.

Last reported production: September 1977

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_471_01	9-12-1979	1:2400	1:2400	Final
State archive, MSHA_470_01	1-2-1979	1:2400	1:2400	Final
Microfilm, document 353290	7-28-1969	1:2400	1:4966	Final ***

*** This map is final for the workings shown when this mine closed in 1969. When this mine reopened in 1978, it did not mine further in the areas shown on this map.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, slope location, seam, geologic problems.
 State archive map, MSHA_471_01 - Slope & shaft locations, mine outline (western), mining method.
 State archive map, MSHA_470_01 - Slope & shaft locations, mine outline (eastern), mining method.
 Microfilm map, document 353290, reel 03142, frame 246 - Geologic problems.

Mine Index 1013**Coal Valley Mining Company, Coal Valley No. 1 Mine**

Type: Underground Total mined-out acreage shown: 29 This mine was later partially surfaced mined by Stilley No. 1 Mine (mine index 4074).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Williamson	9S 3E	25	SW SE NE *
Air shaft	Williamson	9S 3E	25	SW SE NE *
Air shaft	Williamson	9S 3E	25	NE SE NE

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	60-90			4.16-4.34	BRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Lorenzo Mining Company	J. S. & L. No. 1	1988-1990	75,120
Coal Valley Mining Company	Coal Valley No. 1	1991-1992	41,890
			117,010

Last reported production: 1992

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_772_01	3-27-1993	1:2400	1:2400	Final

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.
 State archive map, IL_772_01 - Drift & shaft locations, mine outline, mining method.

Mine Index 3590**T. M. Motsinger, Motsinger Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift or slope	Williamson	9S 4E	29	SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	20-50			4.5-5.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
T. M. Motsinger	Motsinger	1902-1903	400
Motsinger Brothers	Motsinger	1903-1904	870
T. M. Motsinger	Motsinger	1904-1909 *	<u>2,600</u>
			3,870

* Idle 1908

Last reported production: 1909

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (G. H. Cady)	1908	(text only)	1:24000 **	Secondary source

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

Annotated Bibliography (data source, brief description of information)

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.

ISGS field notes (Williamson County) - Mine location, ownership.

Mine Index 3730
Producers Mining Company, Producers No. 2 Mine

Type: Surface Total mined-out acreage shown: 41

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	9S 4E	31	SE NE
Pit	Williamson	9S 4E	32	NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	24-44			3.83-4.17	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Producers Coal Company	Producers No. 2	1946-1947	129,035
Producers Mining Company	Producers No. 2	1948-1948	66,121
			195,156

Last reported production: 1948

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
USGS topographic map	1965, PR 1990	1:24000	1:24000	Secondary source
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, mine location, seam, thickness.
 USGS topographic map, 1965, Photorevised 1990 - Mine outline, mining method.
 Department of Mines & Minerals, 7a-02-13, aerial photograph base with surface mines identified - Mine outline.

Mine Index 4041**Peabody Coal Company, Utility Mine**

Type: Surface Total mined-out acreage shown: 474 Production indicates approximately 200 acres were mined. The remainder of the area was mined by smaller unaffiliated mines.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Williamson	9S 3E	4	SE SW SE
Pits	Williamson	9S 3E	8-14	

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	20-57			5.67-8.0	Surface
Springfield	40-65			3.58	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Utility Coal Company	Utility	1958-1963	1,266,648
Peabody Coal Company	Utility	1963-1966	759,763
			2,026,411

Last reported production: February 1966

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-178	8-29-1969	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Company map, ISGS map library, 4103.W52 i5.1-178 - Mine outline

Mine Index 4064**Crystal Block Coal Company, Crystal Block No. 2 Mine**

Type: Underground Total mined-out acreage shown: 33 Production indicates approximately 22 acres were mined after the map date. The southern end of the mine was later partially surfaced mined by the Utility Mine (mine index 4041).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	11	NE SE SE
Air shaft	Williamson	9S 3E	11	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	52-65			5.67-6.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Blue Ribbon Coal Company	Blue Ribbon No. 1	1936-1936	5,920
B. & L. Coal Company *	B. & L.	1937-1940	11,339
I. D. Gosnell	Gosnell	1940-1940	1,437
Merritt Coal Company	Merritt	1941-1941	2,000
Smith & Warner	Smith & Warner	1941-1943 **	579
Crystal Block Coal Company	Crystal Block No. 2	1944-1947	167,406
Crystal Block Coal Company	Crystal Block No. 2	1947-1950 ***	120,560 †
			309,241

* The 1939 map of this mine was labeled B. L. S. & G. Coal Company.

** Idle 1942 & 1943

*** Idle 1949

† Production after map date

Last reported production: April 1950

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353274	1-9-1947	1:2400	1:2980	Not final

Annotated Bibliography (data source, brief description of information)

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

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 353274, reel 03142, frame 218 - Slope & shaft locations, mine outline, mining method.

Mine Index 4065**Pickford Coal Company, Pickford No. 2 Mine**

Type: Underground Total mined-out acreage shown: 117 This mine was partially surface-mined by the Utility Mine (mine index 4041).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	11	NW SW SE
Air shaft	Williamson	9S 3E	11	NW SW SE
New slope	Williamson	9S 3E	11	NW SW SE *

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	60			5.0-6.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Moren Coal Company	Moren	1933-1947	517,949
Pickford Coal Company	Moren	1947-1948	69,206
Pickford Coal Company	Pickford No. 2	1949-1950	<u>24,810</u>
			611,965

Last reported production: December 1950

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353222	4-7-1951	1:1200	1:2069	Final

Annotated Bibliography (data source, brief description of information)

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

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 353222, reel 03142, frames 147 & 148 - Slope & shaft locations, mine outline, mining method.

Mine Index 4066**New Black Diamond Coal Company, New Black Diamond No. 5 Mine**

Type: Underground Total mined-out acreage shown: 67

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	13	SW SE SE
Slope	Williamson	9S 3E	24	NE NE NE *
Air shaft	Williamson	9S 3E	13	SW SE SE

* Connected underground with mine index 4071.

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
New Black Diamond Coal Company	New Black Diamond No. 5	1939-1949	315,634
			315,634

Last reported production: 1949

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1536_01	9-5-1949	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, IL_1536_01 - Slope & shaft locations, mine outline, mining method, seam.

Mine Index 4067**Wilkins Coal Company, Square Deal Mine**

Type: Underground Total mined-out acreage shown: 85

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	23	NE NE NE
Air shaft	Williamson	9S 3E	23	SE NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	72-75			4.17-4.33	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Square Deal Coal Company	Square Deal	1939-1946 *	193,878
Wilkins Coal Company	Square Deal	1946-1949	128,424
			322,302

* Idle 1940

Last reported production: March 1949

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_511_01	3-27-1949	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, msha_511_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4068**New Black Diamond Coal Company, New Black Diamond No. 8 Mine**

Type: Underground Total mined-out acreage shown: 134

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	13	SE SE SW
Air shaft	Williamson	9S 3E	13	SE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	80-100			4.0-4.17	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
New Black Diamond Coal Company	New Black Diamond No. 8	1949-1962	<u>402,204</u> 402,204

Last reported production: July 1962

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353257	7-19-1962	1:2400	1:4800	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 353257, reel 03142, frame 198 - Slope & shaft locations, mine outline, mining method.

Mine Index 4069**O. B. C. Coal Company, O. B. C. Mine**

Type: Underground Total mined-out acreage shown: 39

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	24	SE NW NW
Air shaft	Williamson	9S 3E	24	NE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	64-78			4.0-4.33	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Springhart Coal Company	Springhart No. 4	1939-1939	500
O. B. C. Coal Company	O. B. C.	1940-1946	<u>185,570</u>
			186,070

Last reported production: August 1946

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1498_01	8-11-1946	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, IL_1498_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4070
F. Bones, Bones Mine

Type: Underground Total mined-out acreage shown: None

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Slope	Williamson	9S 3E	24	SW NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin				5.0	Underground

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
F. Bones *	Bones		

* No production was listed in the Coal Reports under this name; production and years of operation are not known. The mine notes indicate this mine operated prior to 1926.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	(text only)	1:24000 **	Undated
ISGS map library, 4103.W52 i5.1-58	4-1-1935	1:1200	1:1200	Secondary source

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

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, mine location, seam, thickness.
 ISGS map library, 4103.W52 i5.1-58, map of Deep Vein Mine (mine index 4097) - Mine location (slope).

Mine Index 4071**B. & J. Coal Company, B. & J. Mine**

Type: Underground Total mined-out acreage shown: 20 Production indicates approximately 10 acres were mined after the map date. These acres may be in the general area of mining south of the mapped mine outline.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	24	NW NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	110-150			4.0-4.33	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
New Black Diamond Coal Company	New Black Diamond No. 5; A Mine	1939-1943 *	88,191
New Black Diamond Coal Company	New Black Diamond No. 5	1943-1947 *	27,018 **
B. & J. Coal Company	B. & J.	1947-1948	12,559 **
			127,768

* Idle 1945

** Production after map date

Last reported production: June 1948

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1448_01	4-9-1944	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, IL_1448_01 - Slope location, mine outline, mining method.

Mine Index 4072
Floyd Chaney, Chaney No. 3 Mine

Type: Underground Total mined-out acreage shown: 22 Production indicates approximately 20 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	24	NE NW NE
Air shaft	Williamson	9S 3E	24	SE NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	125			4.17	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Floyd Chaney	Chaney	1935-1937 *	1,470
Black Banner Coal Company	Black Banner	1938-1941	63,182
Black Banner Coal Company	Black Banner	1941-1942	44,899 **
Floyd Chaney & Carl Gresham	Chaney & Gresham No. 1	1943-1943	2,374 **
Floyd Chaney ***	Chaney No. 3	1944-1944	25,214 **
			137,139

* Idle 1936

** Production after map date

*** Also known as Crab Orchard Coal Company, but not referred to by that name in the Coal Reports

Last reported production: 1944

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_543_01	2-12-1941	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 type, slope location, seam, depth, thickness.

State archive map, msha_543_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4073**New Black Diamond Coal Company, New Black Diamond No. 4 Mine**

Type: Underground Total mined-out acreage shown: 233

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	24	NW NE NW
Air shaft	Williamson	9S 3E	24	SW NE NW
Air shaft	Williamson	9S 3E	24	NE NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	85-110			4.0-4.67	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
New Black Diamond Coal Company	New Black Diamond No. 4	1936-1952	788,669
			788,669

Last reported production: March 1952

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1539_01	6-22-1952	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, IL_1539_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4074**Stilley Coal Company, Stilley No. 1 Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 2 acres were mined. The location appears within a larger surface-mined area.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 3E	25	SE NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Stilley Coal Company	Stilley No. 1 *	1955-1957	<u>18,846</u> 18,846

* Includes production from Pits 1 & 2; Stilley No. 2, No. 4, No. 5, No. 7 & Pit No. 8 are included in the unlocated mines at the back of this report; mine index 4224 includes Stilley No. 6.

Last reported production: August 1957

SOURCES OF DATA

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

** Point plotted onto 1:24,000 USGS topographic map 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, depth, thickness.

Mine Index 4075
Fred Oakley, Oakley Mine

Type: Underground Total mined-out acreage shown: None Production indicates approximately 1 acre was mined. This mine was later stripped out and is not shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	25	SE NW SE
Air shaft	Williamson	9S 3E	25	SE NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	40			4.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Buckner Coal Company	Buckner	1935-1937	2,438
Beltz Coal Company	Beltz	1937-1937	750
Purity Coal Company	Purity	1938-1938	1,200
Sunshine Coal Company	Sunshine	1939-1939	52
Oakley & Stubblefield	Oakley & Stubblefield	1940-1940	57
Fred Oakley *	Oakley	1941-1941	120
Fred Oakley	Oakley	1941-1941	480 **
			5,097

* This mine was identified as the Oakley & Ogden mine on the source map, but it reported as Fred Oakley.

** Production after map date

Last reported production: 1941

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1382_01	2-12-1941	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, seam, depth, thickness.

State archive map, IL_1382_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4076**Pea Ridge Coal Company, Pea Ridge Mine**

Type: Underground Total mined-out acreage shown: 8 Production indicates approximately 2 acres were mined. Less than 1 acre was mined after the map date. This mine is not shown on the accompanying map due to later surface mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	25	NE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	60			4.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Rushing & Heiple	Rushing & Heiple	1935-1935	300
Rushing Coal Company	Rushing	1936-1939	6,355
Lester Cox Coal Company	Cox	1940-1940	600
Lester Cox Coal Company	Cox	1940-1942 *	1,700 **
Pea Ridge Coal Company	Pea Ridge	1943-1943	<u>700</u> **
			9,655

* Idle 1942

** Production after map date

Last reported production: 1943

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-30	9-29-1940	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.

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

Company map, ISGS map library, 4103.W52 i5.1-30 - Slope location, mine outline, mining method.

Mine Index 4077**Black Ribbon Coal Company, Black Ribbon Mine**

Type: Underground Total mined-out acreage shown: 15 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 3E	25	NE NE SE
Air shaft	Williamson	9S 3E	25	NE NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	87			4.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Scott Coal Company *	Scott	1936-1937	29,512
Rogers & Stover Coal Company	Rogers & Stover	1938-1939	6,637
Rogers Coal Company	Rogers	1940-1940	1,047
Black Ribbon Coal Company	Black Ribbon	1940-1940	<u>234</u> **
			37,430

* Source map shows that the mine was also known as Lewis Kennedy Mine in June 1937. Production was not listed under this name in the Coal Reports.

** Production after map date

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1451_01	8-31-1940	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.

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

State archive map, IL_1451_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4078**B. & B. Coal Company, B. & B. Mine**

Type: Underground Total mined-out acreage shown: 11 Production indicates approximately 12 acres were mined after the map date. Part of the mine is not shown due to later surface mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	25	SE SW NW *

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	39			4.3	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Poole Coal Company	Poole	1939-1941 **	676
Fred Oakley Coal Company	Poole	1941-1941	926
Oakley & Wright	Poole	1941-1941	59
not operated, ownership uncertain		1942-1943	
B. & B. Coal Company	B. & B.	1944-1945	40,750
B. & B. Coal Company	B. & B	1945-1946	<u>43,250</u> ***
			85,661

** Idle 1940

*** Production after map date

Last reported production: 1946

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1403_01	5-15-1945	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive map, IL_1403_01 - Slope location, mine outline, mining method.

Mine Index 4079**Ray Hendrickson, Hendrickson Mine**

Type: Underground Total mined-out acreage shown: 91 This mine was connected underground with Tick Ridge No. 2 Mine (mine index 4081) and Black Crystal Mine (mine index 4083). The boundaries between the mines could not be distinguished and the area shown includes all of these mines.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	25	NE SE NW *
Air shaft	Williamson	9S 3E	25	SE NE NW *

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	40			4.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Ray Hendrickson	Hendrickson	1933-1934	14,920
Tick Ridge Coal Company	Tick Ridge	1935-1936	21,870
Ray Hendrickson	Hendrickson	1937-1940	<u>8,626</u>
			45,416

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-99	4-23-1941	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Company map, ISGS map library, 4103.W52 i5.1-99 - Slope & shaft locations, mine outline, mining method.

Mine Index 4080**White Cat Coal Company, White Cat Mine**

Type: Underground Total mined-out acreage shown: 4 Production indicates that less than 1 acre was mined after the map date. The area was later surface-mined, and this mine is not shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	25	NE NW SE
Air shaft	Williamson	9S 3E	25	NE NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	37-42			3.5-4.3	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Charles J. Bruce	Bruce	1933-1938	9,362
Charles J. Bruce	Bruce	1938-1939	384 *
White Cat Coal Company	White Cat	1940-1940	100 *
			9,846

* Production after map date

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353078	11-15-1938	1:1200	1:1572	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 353078, reel 03141, frame 272 - Slope & shaft locations, mine outline, mining method.

Mine Index 4081**Tick Ridge Coal Company, Tick Ridge No. 2 Mine**

Type: Underground Total mined-out acreage shown: 91 This mine was connected underground with the Hendrickson Mine (mine index 4079) and Black Crystal Mine (mine index 4083). The boundaries between the mines could not be distinguished and the area shown includes all of these mines.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope *	Williamson	9S 3E	25	SE NW NW

* No air shaft was shown on the source map. A small room just west of the slope bottom may be an air shaft location, or the operators may have relied on the underground connection to the other mines for ventilation.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	82-86			4.33-4.5	MRP

Geologic Problems Reported: The source map shows a line-and-hatching pattern in the northeastern part of the mine that may indicate faulting. Mining did not occur past these two lines.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Tick Ridge Coal Company	Tick Ridge	1941-1944	13,840
Black Crystal Coal Company	Black Crystal No. 2	1945-1945	17,533
McDonald - Tick Ridge Coal Company	Tick Ridge	1946-1946	8,786
Marvin Moore - Tick Ridge Coal Company	Tick Ridge	1946-1946	15,452
Tick Ridge Coal Company	Tick Ridge No. 2 **	1947-1951	95,060
			150,671

** The No. 2 designation is from the source map. The mine was not listed in the Coal Reports as No. 2.

Last reported production: February 1951

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1407_01	3-17-1951	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, IL_1407_01- Slope location, mine outline, mining method, geologic problems.

Mine Index 4083**Black Crystal Coal Company, Black Crystal Mine**

Type: Underground Total mined-out acreage shown: 91 This mine was connected underground to Tick Ridge No. 2 Mine (mine index 4081) and the Hendrickson Mine (mine index 4079). The boundaries between the mines could not be distinguished and the area shown includes all three mines.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	26	NW NE NE
Air shaft	Williamson	9S 3E	26	SW NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	50-60	4.0	4.5	4.25	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Lewis West Coal Company	West	1935-1940	4,824
McDonald & Ganes	McDonald & Ganes	1940-1940	1,075
M. C. Graves	Graves	1941-1941	2,955
Lone Star Company	Lone Star	1941-1941	324
West Coal Company	West	1942-1942	1,500
Black Crystal Coal Company	Black Crystal	1943-1944	68,326
Marvin Moore Coal Company	Moore	1945-1946	95,339
Black Crystal Coal Company	Black Crystal	1947-1948	53,139
			227,482

Last reported production: 1948

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_547_01	1-30-1949	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive, MSHA_547_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4084**Crab Orchard Coal Company, Crab Orchard Mine**

Type: Underground Total mined-out acreage shown: 48 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 slope	Williamson	9S 3E	24	NE NE SE
Air shaft	Williamson	9S 4E	19	NW NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	85			4.0	MRP

Geologic Problems Reported: The source map shows a fault in the southwestern part of the mine that appeared to stop advancement in that direction. The second source map says "stopped - bad top" in the southeast part of the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
P. & G. Coal Company	P. & G.	1939-1939	1,135
Polinski & Gooch Coal Company	Polinski & Gooch	1940-1940	1,000
Crab Orchard Coal Company	Crab Orchard	1940-1950	202,785
Crab Orchard Coal Company	Crab Orchard	1950-1951	<u>36,956</u> *
			241,876

* Production after map date

Last reported production: February 1951

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1607_01	1-22-1950	1:1200	1:1200	Not final
State archive, IL_1607_01	6-1-1947	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.

State archive map, IL_1607_01 - Slope & shaft locations, mine outline, mining method, geologic problems.

State archive map, IL_1607_01 - Geologic problems.

Mine Index 4085**McDannell & Matthews, McDannell & Matthews Mine**

Type: Underground Total mined-out acreage shown: 3

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	32	NW NE NW
Air shaft	Williamson	9S 4E	32	NW NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	25-30			4.5	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Darnell & Matthews	Darnell & Matthews	1935-1935	200
McDaniel & Matthews	McDaniel & Matthews	1936-1937	2,200
McDannell & Matthews	McDannell & Matthews	1938-1939	<u>1,729</u>
			4,129

Last reported production: 1939

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_456_01	9-1-1939	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, slope location, seam, depth, thickness.

State archive map, msha_456_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4086**Stump-Allen Coal Company, Stump-Allen Mine**

Type: Underground Total mined-out acreage shown: 18

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	10	NW SE SW
Air shaft	Williamson	9S 4E	10	SW SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	215			4.67	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Stump-Allen Coal Company	Stump-Allen	1948-1952	<u>65,554</u> 65,554

Last reported production: 1952

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1525_01	9-30-1952	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

State archive map, IL_1525_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4089**Barbara Kay Coal Company, Inc., Barbara Kay Mine**

Type: Underground Total mined-out acreage shown: 526

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	18	NE SE SW
Air shaft	Williamson	9S 4E	18	NW SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	108-120			4.0-4.5	RPP

Geologic Problems Reported: The source map shows a squeezed area in the SW 18-T9S-R4E. A southeast-northwest-trending fault is also indicated in the same section. This stopped westward expansion of one panel, while southward expansion of the same panel appears to have been halted by water.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Howerton Coal Company	Howerton	1938-1941	34,533
Knickerbocker & McSparin Coal Company	Knickerbocker & McSparin	1942-1947 *	84,559
Barbara Kay Coal Company	Barbara Kay	1948-1965	925,165
Barbara Kay Coal Company, Inc.	Barbara Kay	1965-1972	746,449
			1,790,706

* Idle 1946 & 1947

Last reported production: February 1972

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_583_01	2-9-1972	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness, mining method.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, slope location, seam, depth, thickness.
 State archive map, MSHA_583_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4090**Liberty Coal Company, Liberty No. 4 Mine**

Type: Surface Total mined-out acreage shown: 50 Production indicates approximately 20 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	19	SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	30-35			5.83	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Illini Coal Corporation, Inc.	Illini No. 1	1965-1965	14,562
Liberty Coal Company	Liberty No. 4	1965-1967	183,737
			198,299

Last reported production: January 1967

SOURCES OF DATA

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

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

Department of Mines & Minerals, 7a-02-13, aerial photograph base map with surface mines identified - Mine outline.

Mine Index 4091**White Heat Coal Company, White Heat Mine**

Type: Underground Total mined-out acreage shown: None This mine is not shown on the accompanying map due to later surface mining. Production indicates approximately 2 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	19	NE SE SW
Air shaft	Williamson	9S 4E	19	NE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	35			5.5	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Hickory Coal Company	Hickory	1935-1935	770
Hickory Dell Coal Company	Hickory Dell	1936-1937	1,000
White Heat Coal Company	White Heat	1937-1940	<u>2,560</u>
			4,330

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_526_01	4-1-1939	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 353065, reel 03141, frame 252 - Slope & shaft locations, mine outline, mining method.

Mine Index 4092**Egypt Coal Company, Egypt Mine**

Type: Surface Total mined-out acreage shown: 2, with an additional 22-acre general area of mining from the topographic map and aerial photos. The area shown is too large for this single mine. It is likely that other small surface-mining operations enlarged the pit after 1939. Production indicates the Egypt Mine would have been about 4 acres.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Williamson	9S 4E	19	NW NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	20			5.33	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Egypt Coal Company *	Egypt	1938-1938	7,922
Egypt Coal Company	Egypt	1938-1939	26,778 **
			34,700

* The mine notes indicate R. P. Stubblefield is associated with this mine, possibly the owner.

** Production after map date

Last reported production: 1939

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353135	8-1938	1:2400	1:2400	Not final
USGS topographic map	1965, PR 1990	1:24000	1:24000	Secondary source
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 353135, reel 03142, frame 9 - Mine location, mine outline, mining method.

USGS topographic map, 1965, photorevised 1990 - Mine outline.

Department of Mines & Minerals, 7a-02-13 and 7a-02-15, aerial photograph base with surface mines identified - Mine outline.

Mine Index 4093**Knight & Turner Coal Company, Knight & Turner Mine**

Type: Underground Total mined-out acreage shown: 74

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	19	NW NW NW
Air shaft	Williamson	9S 4E	19	NW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	96-150			4.33-4.5	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Norris Coal Company	Norris	1937-1937	709
Turner Coal Company	Turner	1938-1940	42,343
Norris Coal Company	Norris	1941-1943	65,315
Knight & Turner Coal Company	Knight & Turner	1943-1943	11,295
Turner-Knight-Turner	Turner-Knight-Turner	1944-1944	20,733
Knight & Turner Coal Company	Knight & Turner	1945-1953	<u>125,473</u>
			265,868

Last reported production: December 1953

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_575_01	11-8-1953	1:1200	1:1200	Final *

* The source map states "Final Survey". The Coal Report production listed for December 1953 may have come from a stockpile rather than additional mining.

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 type, slope location, seam, depth, thickness.
 State archive map, msha_575_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4094**C. & C. Coal Company, C. & C. No. 1 Mine**

Type: Underground Total mined-out acreage shown: 123

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	20	NE NW SW
Air shaft	Williamson	9S 4E	20	SE NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	140-145			4.17-4.5	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Choate Coal Company	Choate	1946-1948	99,243
Vallie & Roy Corder	Corder	1948-1948	21,234
C. & C. Coal Company	C. & C. No. 1	1949-1962	<u>308,366</u>
			428,843

Last reported production: August 1962

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_618_01	8-17-1962	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, msha_618_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4095**Black Crystal Coal Company, Black Crystal Mine**

Type: Underground Total mined-out acreage shown: 99

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	20	SE NW NW
Air shaft	Williamson	9S 4E	20	NE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	120-125			4.17-4.33	RPP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
New Black Crystal Coal Company	New Black Crystal	1948-1949	15,405
Black Crystal Coal Company	Black Crystal	1950-1952	80,685
New Black Crystal Coal Company	New Black Crystal	1953-1954	71,540
Black Crystal Coal Company	Black Crystal	1955-1958	85,613
New Black Crystal Coal Company	New Black Crystal	1959-1959	15,027
Black Crystal Coal Company	Black Crystal No. 2 *	1960-1966	<u>66,109</u>
			334,379

* The No. 2 designation is from the source map. The production was not listed as No. 2 Mine in the Coal Reports.

Last reported production: September 1966

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_612_01	12-1-1966	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, msha_612_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4096
Charles Burch, Burch Mine

Type: Underground Total mined-out acreage shown: 15 This mine was later partially stripped out by Delta Mine (mine index 702).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	21	NE SE NE
Air shaft	Williamson	9S 4E	21	NE SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	22	5.5	7.0	5.67	MRP

Geologic Problems Reported: The roof was light gray shale that made a sharp contact with the coal. Small coal balls were present in the roof. A very thin shale parting was present 1.5 feet below the top of the seam. Pyrite concretions were present in the coal. Mining in the western part of the mine was halted by a fault.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Charles Burch	Burch	1923-1937	<u>52,350</u> 52,350

Last reported production: 1937

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_623_01	11-1-1937	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, slope location, seam, thickness, geologic problems.
 ISGS field notes (Williamson County) - Depth, geologic problem.
 State archive map, msha_623_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4097**Deep Vein Coal Company, Deep Vein Mine**

Type: Underground Total mined-out acreage shown: 4 The area shown is larger than expected for the reported production. Production indicates approximately 1 acre was mined. There may have been previous owners for this mine (see the unlocated mines at the back of this report).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 3E	24	NE NW NE
Air shaft	Williamson	9S 3E	24	NE NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	16			6.5	MRP

Geologic Problems Reported: The source map shows that the mine broke into an old slope at the southern end of the mine. The old slope may have been Fred Bones (mine index 4070). Most of the rooms and entries on the source map have "fall" written in them. This would indicate very poor roof conditions, probably from little bedrock being present above the coal.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Deep Vein Coal Company	Deep Vein	1931-1935	<u>4,136</u> 4,136

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.W52 i5.1-58	4-1-1935	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 location, seam, depth, thickness.

Company map, ISGS map library, 4103.W52 i5.1-58 - Slope & shaft locations, mine outline, mining method, geologic problems.

Mine Index 4098**B. & F. Coal Company, B. & F. Mine**

Type: Underground Total mined-out acreage shown: 31

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope *	Williamson	9S 4E	21	SW NE NE

* Old works were shown to the north. The air shaft may be in that portion of the mine. Most of this area was later surface-mined by the Delta Mine (mine index 702).

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	30-40			5.5-5.67	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Rock Creek Coal Company **	Rock Creek	1933-1939	54,859
New Era Coal Company	New Era	1940-1943 ***	1,894
Morning Star Coal Company	Morning Star	1944-1945	13,800
B. & F. Coal Company	B. & F.	1945-1948	89,524
			<u>160,077</u>

** Changed ownership in 1938, but reported under the same name

*** Idle 1941 & 1943

Last reported production: 1948

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_581_01	1-1-1949	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 location, seam, depth, thickness.

State archive map, msha_581_01 - Slope location, mine outline, mining method, seam.

Mine Index 4104**Green Valley Coal Company, Green Valley No. 1238 Mine**

Type: Underground Total mined-out acreage shown: 83 This mine was later partially surface-mined by Amax Delta Mine (mine index 702).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	75-150			4.5-4.67	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Green Valley Coal Company	Green Valley	1938-1939	3,378
Winning Coal Company	Green Valley	1939-1939	4,378
Green Valley Coal Company	Green Valley No. 1238	1940-1953	<u>355,601</u>
			363,357

Last reported production: December 1953

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, il_1612_01	3-9-1953	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, il_1612_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4106**New Superior Coal Company, New Superior Mine**

Type: Underground Total mined-out acreage shown: 78

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

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

* Not shown on accompanying map because of poor source map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	65-175			4.0-4.17	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
New Superior Coal Company **	New Superior	1938-1946	340,926
New Prosperity Coal Company	New Prosperity	1941-1941	<u>none reported</u>
			340,926

** The mine changed ownership in 1940, but reported under the same name. In 1946, this mine was also listed as C. C. Stump Coal Company.

Last reported production: December 1946

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, il_1375_01	4-26-1947	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, slope location, seam, depth.
 State archive map, il_1375_01 - Slope & shaft locations, mine outline, mining method.
 State archive map, IL_1395_01 - Mine information for New Prosperity Mine.

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

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

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

GEOLOGY

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

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

PRODUCTION HISTORY

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

* Idle 1953

Last reported production: August 1968

SOURCES OF DATA

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

Annotated Bibliography (data source, brief description of information)

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

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

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

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

Mine Index 4109**Blue Blaze Coal Company, Blue Blaze Mine**

Type: Underground Total mined-out acreage shown: None This mine is not shown on the accompanying map due to later surface mining by the Amax Delta Mine (mine index 702). Production indicates approximately 3 acres were mined. Old un-named works were shown to the northwest of this mine, which were also stripped out by the Delta Mine.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	28	NW NW SW
Air slope	Williamson	9S 4E	28	NW NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	10			5.17	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Blue Blaze Coal Company	Blue Blaze	1934-1935	4,690
Waugh	Blue Blaze	1935-1935	1,895
Blue Blaze Coal Company	Blue Blaze	1936-1938	4,835
			11,420

Last reported production: 1938

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353147	9-18-1938	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 location, seam, depth, thickness.

Microfilm map, document 353147, reel 03142, frame 26 - Slope locations, mine outline, mining method.

Mine Index 4110
Helm Coal Company, Helm Mine

Type: Underground Total mined-out acreage shown: None This mine is not shown on the accompanying map because of later surface mining by the Delta Mine (mine index 702). Production indicates approximately 2 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

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

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Helms & Smiley	Helms & Smiley	1934-1934	2,500
R. E. Helm	Helm	1935-1935	3,300
Helm Coal Company	Helm No. 1	1936-1936	800
			6,600

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1569_01	4-30-1936	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 State archive map, IL_1569_01- Slope & shaft locations, mine outline, mining method.

Mine Index 4111**Askew & White Coal Company, Askew-White No. 1 Mine**

Type: Underground Total mined-out acreage shown: 5 Most of the mine was later surface-mined by Ridge Top Mine (mine index 6804). Only a very small portion is shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	29	SW SE SE
Air shaft	Williamson	9S 4E	29	SW SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	15			4.42	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Old Hickory Coal Company	Old Hickory	1934-1935	6,729
Askew & White Coal Company	Askew-White No. 1	1936-1939	<u>20,175</u> 26,904

Last reported production: 1939

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1466_01	7-7-1939	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive map, IL_1466_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4112**Putney Brothers Coal Company, Putney Brothers Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple or pit	Williamson	9S 4E	29	SW SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	20			5.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Putney Brothers Coal Company	Putney Brothers	1935-1938	<u>9,674</u> 9,674

Last reported production: 1938

SOURCES OF DATA

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

* Point plotted onto 1:24,000 USGS topographic map 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, depth, thickness.

Mine Index 4113**L. & M. Coal Company, L. & M. Mine**

Type: Underground Total mined-out acreage shown: 16 Production indicates less than 1 acre was mined after the map date. The mine was later partially surface-mined by the Ridge Top Mine (mine index 6804).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	29	SE SW SE *
Air shaft	Williamson	9S 4E	29	SE SW SE *

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	22-80			4.0-4.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Brown & Roberts **	Brown & Roberts	1934-1947 ***	26,745
H. L. Pyles, Carrier Mills Coal Company	Carrier Mills	1948-1948	6,410
Producers Slope Coal Company	Producers Slope	1948-1948	853
L. & M. Coal Company	L. & M.	1949-1949	1,000 †
			35,008

** According to various source maps (dated 1939 to 1942), this mine was known as Crab Orchard Valley Coal Company

*** Idle 1943-1947

† Production after map date

Last reported production: December 1949

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1440_01	1-6-1949	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 type, slope location, seam, depth, thickness.

State archive map, IL_1440_01 - Slope & shaft locations, mine outline, mining method, seam.

Mine Index 4114**E. E. Ensminger, Ensminger Mine**

Type: Underground 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
Main drift	Williamson	9S 4E	29	SW SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	14-45			4.0-8.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
E. E. Ensminger	Ensminger	1889-1902 *	6,735
Ensminger & Rentfro	Ensminger & Rentfro	1902-1903	1,258
E. E. Ensminger	Ensminger	1903-1909	8,128
			16,121

* Idle 1896

Last reported production: 1909

SOURCES OF DATA

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

** Point plotted onto 1:24,000 USGS topographic map 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 type, drift location, seam, thickness.

Mine Index 4115
Vallie Corder, Corder Mine

Type: Underground Total mined-out acreage shown: 51 Production indicates less than 1 additional acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	29	NE SW SW *
Air shaft	Williamson	9S 4E	29	NE SW SW

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	30			4.33	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Lawrence Corder	Corder	1932-1932	5,101
Vallie Corder	Corder No. 2	1933-1945	175,479
Vallie Corder	Corder No. 2	1945-1946	963 **
			181,543

** Production after map date

Last reported production: 1946

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1593_01	1-9-1946	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 type, slope location, seam, depth, thickness.
 State archive map, IL_1593_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4116
Moore & Son Coal Company, Moore Mine

Type: Underground Total mined-out acreage shown: 165 Later partially surface-mined by the Polinski Mine (mine index 4118).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	29	SW NE SW *
Air shaft	Williamson	9S 4E	29	SW NE SW *

* Not shown on accompanying map due to later surface mining

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	60-110			4.33	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Moore & Harrico	Moore & Harrico	1931-1932 **	2,000
Moore & Son Coal Company	Moore	1933-1958	<u>692,100</u>
			694,100

** Idle 1932

Last reported production: February 1958

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353248	3-17-1958	1:1200	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness, mining method.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, slope location, seam, depth.
 Microfilm map, document 353248, reel 03142, frame 189 - Slope & shaft locations, mine outline, mining method.

Mine Index 4117**Saline Valley Coal Company, Saline Valley Mine**

Type: Underground Total mined-out acreage shown: Less than 1 acre Production indicates less than 1 acre was mined after the map date. Most of the mine is not shown on accompanying map due to later surface mining by Delta Mine (mine index 702).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	29	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	35			4.42	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Gabriel Coal Company	Gabriel	1948-1949 *	2,302
Saline Valley Coal Company	Saline Valley	1950-1951	3,135
			5,437

* Idle 1949

Last reported production: 1951

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353110	7-22-1948	1:1200	1:1241	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 type, slope location, seam, depth, thickness.

Microfilm map, document 353110, reel 03141, frame 332 - Slope location, mine outline, mining method.

Mine Index 4118**Polinski Coal Company, Polinski Mine**

Type: Surface Total mined-out acreage shown: 18 Production indicates approximately 3 acres were mined. The area shown is too large for the reported production. The pit was probably enlarged by later operators (see the unlocated mines at the back of this report).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	29	SE SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	25-30			5.33-5.67	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Polinski Coal Company	Polinski	1948-1950	<u>28,228</u> 28,228

Last reported production: March 1950

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:62500	1:24000	Secondary source
USGS topographic map	1965, PR 1990	1:24000	1:24000	Secondary source
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Williamson County) - Mine type, mine location, mine outline (sketched map), seam, depth.

USGS topographic map, 1965, photorevised 1990 - Mine outline.

Department of Mines & Minerals, 7a-02-13, aerial photograph base with surface mines identified - Mine outline.

Mine Index 4119**Big Three Coal Company, Big Three No. 2 Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 12 acres were mined. The mine location has a much larger pit that was probably enlarged by later operators.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	30	NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	20-50			4.33-5.75	Surface
Springfield					

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wyvan Coal Company	Wyvan No. 2	1957-1957	not reported *
New Crab Orchard Coal Company	New Crab Orchard	1957-1958	44,879
F. & G. Coal Company	F. & G.	1958-1958	3,635
Big Three Coal Company	Big Three Coal No. 2	1959-1962	<u>40,216</u>
			88,730

* The production was probably reported under New Crab Orchard Coal Company.

Last reported production: October 1962

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	(text only)	1:24000 **	Secondary source
USGS topographic map	1965, PR 1990	1:24000	1:24000	Secondary source
Department of Mines & Minerals	Undated			Secondary source

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

Annotated Bibliography (data source, brief description of information)

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

USGS topographic map, 1965, photorevised 1990 - Mine outline.

Department of Mines & Minerals, 7a-02-13, 7a-02-14 & 7a-02-15, aerial photographic base with surface mines identified - Mine outline.

Mine Index 4120
Orbie Bailey, Bailey Mine

Type: Underground Total mined-out acreage shown: None Not shown on accompanying map due to later surface mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 4E	30	SW SW SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Orbie Bailey	Bailey	1884-1884	

Last reported production: 1884

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

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

Mine Index 4121**George F. Motsinger, Edwards Bank**

Type: Underground Total mined-out acreage shown: None Production indicates approximately 4 acres were mined. The area was later surface-mined and this mine is not shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Williamson	9S 4E	30	SW SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	5			4.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Edwards Brothers	Edwards Bank	1889-1890	400
Cline & Edwards	Edwards Bank	1890-1891	720
George F. Motsinger	Edwards Bank	1891-1895	<u>22,985</u>
			24,105

Last reported production: 1895

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	(text only)	1:24000 *	Secondary source
ISGS field notes (G. H. Cady)	1908	(text only)	1:24000 *	Secondary source

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

Annotated Bibliography (data source, brief description of information)

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

Mine Index 4122**Ozmun Coal Company, Ozmun Mine**

Type: Underground Total mined-out acreage shown: 40

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	30	SE SE SE
Air shaft	Williamson	9S 4E	30	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	75-150			4.06-4.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Sims & Harris Coal Company	Sims & Harris	1937-1938	8,635
Steel Tipple Coal Company	Steel Tipple	1938-1940	74,045
Angel & Harris	Angel & Harris	1941-1942	23,857
Steel Tipple Coal Company *	Steel Tipple	1942-1945 **	21,332
Cosmic Coal Company	Cosmic No. 1	1946-1946	3,540
Ozmun Coal Company	Ozmun	1947-1948	55,846
			187,255

* Changed ownership in 1943, but reported under the same name

** Idle 1944

Last reported production: 1948

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1528_01	9-30-1948	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive map, IL)1528_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4123**Ed Mitchell Coal Company, Mitchell No. 1 Mine**

Type: Underground Total mined-out acreage shown: 23

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	30	SW NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	70			4.67	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Ed Mitchell Coal Company	Mitchell No. 1	1935-1942	<u>58,840</u> 58,840

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1485_01	6-21-1942	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive map, IL_1485_01- Slope location, mine outline, mining method.

Mine Index 4124**New Walnut Valley Coal Company, New Walnut Valley Mine**

Type: Underground Total mined-out acreage shown: 29

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	30	SE NE SE
Air shaft	Williamson	9S 4E	30	NE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	65-70			4.5	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Walnut Valley Coal Company	Walnut Valley	1935-1941	32,754
Valley Coal Company	Valley	1942-1942	6,218
Walnut Valley Coal Company	Walnut Valley	1943-1947	20,598
Walnut Valley Coal Company	Walnut Valley	1947-1949	9,040
New Walnut Valley Coal Company	New Walnut Valley	1950-1951	2,941
			71,571

Last reported production: 1951

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1601_01	6-9-1951	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, slope location, seam, depth, thickness.

State archive map, IL_1601_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4125**Willow Springs Coal Company, Willow Springs Mine**

Type: Underground Total mined-out acreage shown: 38 This mine was later partially stripped out by later surface mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	30	SE NW SE
Air shaft	Williamson	9S 4E	30	SE NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	60			4.5	MRP

Geologic Problems Reported: A southwest-northeast trending fault was shown on a company map north of the slope and air shaft.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Willow Springs Coal Company	Willow Springs	1935-1944	<u>149,854</u> 149,854

Last reported production: 1944

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_527_01	1-5-1944	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive map, MSHA_527_01- Slope & shaft locations, mine outline, mining method.

Company map, ISGS map library, 4103.W52 i5.1-111 - Geologic problems.

Mine Index 4126
Jackson, Jackson Bank

Type: Surface Total mined-out acreage shown: 5 This is a general area of mining that may have been mined by other operators as well as Jackson.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	30	NE NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	27			4.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Jackson	Jackson Bank	circa 1908	unknown *

* G. H. Cady visited this mine in 1908. It is unclear whether the mine was active or abandoned at the time of the visit. No applicable listing was included in the Coal Reports and production is unknown.

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, seam, depth, thickness, mining method.
 ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Mine location, mine outline.
 ISGS field notes (Williamson County) - Mine name, mine location.

Mine Index 4128**Edmonds & Collins, Edmonds & Collins Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Williamson	9S 4E	30	NE SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	5-20			5.0-5.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
W. C. Campbell	Campbell	1896-1899	525
Edmonds & Collins	Edmonds & Collins	1899-1901	660
			1,185

Last reported production: 1901

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	(text only)	1:24000 *	Secondary source
ISGS field notes (G. H. Cady)	1908	(text only)	1:24000 *	Secondary source

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

Annotated Bibliography (data source, brief description of information)

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

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

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

ISGS field notes (Williamson County) - Mine location, ownership, thickness.

Mine Index 4129**Unity Coal Company, Inc., Unity No. 1 Mine**

Type: Underground Total mined-out acreage shown: 46 (Herrin Coal, 4 acres; Springfield Coal 42 acres) Most of the mine was later surface-mined by various later operators. Only a small segment of the mine outline is shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	30	NE SE NW *
Air shaft	Williamson	9S 4E	30	NE SE NW *

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	35			5.83	MRP
Springfield	126			4.33	MRP

Geologic Problems Reported: The source map shows a mining pattern in the eastern half of the mine that may indicate a fault trending northwest-southeast.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Knapp Coal Company	Knapp	1936-1936	3,473
Ozark Minerals Coal Company	Ozark Minerals	1937-1937	4,304
Union Mining Company	Union	1938-1939	6,099
Pinson Coal Company	Pinson	1939-1940	5,615
Union Mining Company	Union	1940-1947	118,595
Unity Coal Company, Inc.	Unity No. 1	1947-1951	<u>69,258</u>
			207,344

Last reported production: January 1951

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353242	12-9-1951	1:1200	1:1737	Final
Microfilm, document 353121	3-18-1939	1:1200	1:1324	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 353242, reel 03142, frame 183 - Slope & shaft locations, mine outline, mining method.

Microfilm map, document 353121, reel 03141, frame 349 - Slope & air shaft locations.

Mine Index 4130**Cherry Hill Coal Company, Cherry Hill Mine**

Type: Underground Total mined-out acreage shown: 72

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	30	NW SE NE
Air shaft	Williamson	9S 4E	30	NE SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	102 (100-190)			4.5	MRP

Geologic Problems Reported: The source map shows a fault in the northeastern corner that halted eastward expansion. Water problems halted mining to the east.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Jesse Ozment	Ozment	1937-1938	8,424
Cherry Hill Coal Company	Cherry Hill	1939-1958	<u>280,439</u>
			288,863

Last reported production: February 1958

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_550_01	3-12-1958	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, msha_550_01 - Slope & shaft locations, mine outline, mining method, geologic problems.

Mine Index 4131**Illinois Mineral Company, Illinois Mineral Mine**

Type: Underground Total mined-out acreage shown: None The area was later surface mined by various operators and this mine is not shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	30	SE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	30			5.83	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Illinois Mineral Company *	Illinois Mineral	1927-	

* The Coal Reports did not list production under this name. The production and years of operation are unknown.

Last reported production:

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

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

Mine Index 4132**Black Banner Coal Company, Black Banner No. 1 Mine**

Type: Underground Total mined-out acreage shown: 33 This mine is not shown on the accompanying map due to later surface mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	30	NE NE NW *
Air shaft	Williamson	9S 4E	30	NE NE NW *

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	85-125			4.0-4.33	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
J. Ditto & L. Parks	Ditto & Parks	1940-1942 **	1,114
Floyd Chaney	Chaney No. 3	1943-1944 ***	9,108
Black Banner Coal Company	Black Banner No. 23	1945-1945	28,283
Bessie H. Chaney Coal Company	Chaney	1946-1947	40,106
Black Banner Coal Company	Black Banner	1948-1948	6,802
Unity Coal Company, Inc.	Unity No. 2	1948-1951	28,584
Vaughn Coal Company	Vaughn	1951-1951	613
Russell Coal Company	Russell No. 1	1952-1952	1,718
Black Banner Coal Company	Black Banner No. 1	1953-1953	464
			<u>116,792</u>

** Idle 1942

*** Idle 1944

Last reported production: August 1953

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1419_01	8-23-1953	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, IL_1419_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4133**W. R. Handkins, Handkins Mine**

Type: Underground Total mined-out acreage shown: 7 Production indicates approximately 1 acre was mined after the map date. This mine was later partially surface-mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	31	NE SE NE
Air shaft	Williamson	9S 4E	31	NE SE NE
Slope	Williamson	9S 4E	31	NE SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	50			4.5	MRP

Geologic Problems Reported: The source map depicts a faulted area that apparently necessitated separate slopes and air shafts for different areas of the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Motsinger & Harris	Motsinger & Harris No. 1	1935-1939	13,189
Red Dot Coal Company	Red Dot	1939-1939	3,393
W. R. Handkins	Handkins	1940-1940	5,322 *
			21,904

* Production after map date

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_473_01	5-1939 **	1:1200	1:1200	Not final

** This date is unreliable. Another map with the same date exists and shows considerably less mining. It appears that the mine workings were surveyed and extended without changing the map date. In addition, two small mines are shown on the source map. The southern mine was abandoned 12-15-1936, but appears to be part of this ownership. Faulting halted expansion and it appears that the operators moved north of the faulted zone to access their reserves.

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 map, msha_473_01 - Slope & shaft locations, mine outline, mining method, geologic problems.

Mine Index 4134**Jones Brothers Company, Jones No. 1 Mine**

Type: Underground Total mined-out acreage shown: 14

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	31	SE NE NE
Air shaft	Williamson	9S 4E	32	NW NW NW *

* Also connected underground to Steel Tipple Mine (mine index 4122); this may have been used for additional ventilation or escapeway.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	52-160			4.17-4.33	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Parton Coal Company	Parton No. 1	1951-1954	23,367
New Walnut Valley Coal Company	New Walnut Valley No. 2	1955-1957	10,743
Jones Brothers Coal Company	Jones No. 1	1958-1959	<u>2,918</u>
			37,028

Last reported production: 1959

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_556_01	5-15-1959	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive map, msha_556_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4135**Crab Orchard Coal Company, Crab Orchard Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 1 acre was mined. This location is inside a larger area of surface mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple or pit	Williamson	9S 4E	31	SE NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	11-40			4.17	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Crab Orchard Coal Company *	Crab Orchard	1938-1939	<u>5,279</u> 5,279

* Changed ownership in 1938, but retained the same operating name

Last reported production: 1939

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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.

Mine Index 4136
Liberty Coal Company, Liberty Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Williamson	9S 4E	31	NE NE NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Liberty Coal Company	Liberty	1935-1936	<u>2,750</u> 2,750

Last reported production: 1936

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

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

Mine Index 4137**Steel Tipple Coal Company, Steel Tipple No. 2 Mine**

Type: Underground Total mined-out acreage shown: 7 Production indicates less than 2 acres were mined after the map date. This mine was later partially surface mined by Producers No 2 Mine (mine index 3730).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	32	NE SW NW
Air shaft	Williamson	9S 4E	32	SW NE NW *
No. 1 slope	Williamson	9S 4E	32	SW NE NW *

* Not shown on accompanying map due to later surface mining. Pulley No. 1 Mine was abandoned 8-1-1937. When the mine was re-opened, a new slope was constructed that entered an old room in the south part of the mine. The source maps for the No. 2 Mine do not show an air shaft, so the old slope may have been used for ventilation.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	29			4.0-4.67	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Guy Pulley	Pulley No. 1	1934-1937	10,348
Guy Pulley Coal Company	Pulley No. 2	1937-1943 **	10,287
Guy Pulley Coal Company	Pulley No. 2	1943-1945 ***	906 †
Steel Tipple Coal Company	Steel Tipple No. 2	1946-1946	<u>4,508</u> †
			26,049

** Idle 1942

*** Idle 1945

† Production after map date

Last reported production: 1946

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353129	11-29-1943	1:1200	1:1200	Not final
Microfilm, document 353129	8-1-1937	1:1200	1:1366	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 353129, reel 03142, frame 2 - Slope locations, mine outline, mining method.

Microfilm map, document 353129, reel 03142, frame 1 - Air shaft location.

Mine Index 4138**Gresham Coal Company, Gresham Mine**

Type: Underground Total mined-out acreage shown: 5 This mine was later partially surface mined by Producers No 2 Mine (mine index 3730).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	32	SW SE NW
Air shaft	Williamson	9S 4E	32	NW SE NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
R. O. Gresham & Leland Jackson	Gresham & Jackson	1932-1932	1,100
Gresham & Roberts	Gresham & Roberts	1933-1934	3,696
Gresham Coal Company	Gresham	1935-1937	<u>7,914</u>
			12,710

Last reported production: 1937

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1461_01	4-8-1937	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive map, IL_1461_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4140**L. R. Gabriel, Gabriel Mine**

Type: Underground Total mined-out acreage shown: 11 Production indicates that less than 1 acre was mined after the map date. The area was later partially surface-mined by various operators.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	32	NW NE NE
Air shaft	Williamson	9S 4E	32	SW NE NE *

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	20			4.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
C. M. Bridis	Bridis	1916-1917	300
Luther R. Gabriel	Gabriel	1917-1920	2,132
Gabriel Brothers	Gabriel	1920-1922 **	2,000
L. R. Gabriel	Gabriel	1922-1942	14,782
L. R. Gabriel	Gabriel	1942-1943	902 ***
			20,116

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

*** Production after map date

Last reported production: 1943

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1417_01	8-21-1942	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive map, IL_1417_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4141
Gib Henson Coal Company, Henson Mine

Type: Underground Total mined-out acreage shown: 27 The area shown is too large for the reported production. The reported production indicates approximately 13 acres were mined. Mine index 4470 is also in this vicinity. J. H. Hughes found a slope in this vicinity about 1926, which is further evidence of previous ownership. (See the unlocated mines at the back of this report.) The general area of mining in the northeastern part of the mine was later surface-mined by mine index 6853.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope, No. 2	Williamson	9S 4E	32	SW NE NW
Air shaft	Williamson	9S 4E	32	NW NE NW
Slope No. 1	Williamson	9S 4E	32	NE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	32-35			4.5	MRP

Geologic Problems Reported: The source map indicates that mining holed into Steel Tipple No. 2 Mine (mine index 4137).

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Ensminger & Rentfro	Ensminger & Rentfro	1927-1927	2,320
Rentfro & Springhart	Rentfro & Springhart	1928-1930	6,708
Springhart Brothers	Springhart No. 1	1931-1934	16,000
Springhart Brothers	Springhart No. 2	1935-1939	27,123
Cogdil Coal Company	Cogdil	1939-1939	130
Gib Henson Coal Company	Henson	1940-1941	1,429
			53,710

Last reported production: 1941

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_558_01	1-18-1942	1:1200	1:1200	Final
Company, 4103.W52 i5.1-82	1-9-1941	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 type, slope location, seam, depth, thickness.
 State archive map, msha_558_01- Slope & shaft locations, mine outline, mining method, geologic problems.
 Company map, ISGS map library, 4103.W52 i5.1-82 - Mine outline (east, north, northwest), slope & air shaft locations.
 Microfilm map, document 353159, reel 03142, frame 46 - Mine ownership, years of operation.

Mine Index 4146
Amos O. Strobel, Strobel Mine

Type: Underground Total mined-out acreage shown: 20

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

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

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

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

Last reported production: 1943

SOURCES OF DATA

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, slope location, seam, depth, thickness.
 State archive map, IL_1507_01- Slope location, mine outline, mining method.

Mine Index 4147
Brantley Coal Company, Brantley Mine

Type: Underground Total mined-out acreage shown: 29

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

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

GEOLOGY

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

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

PRODUCTION HISTORY

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

* Idle 1955-1957

Last reported production: 1959

SOURCES OF DATA

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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 map, IL_1507_01 - Slope & shaft locations, mine outline, mining method, geologic problems.

Mine Index 4148
Sims Coal Company, Sims Mine

Type: Underground Total mined-out acreage shown: 92

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

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

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	160			4.17	MRP

Geologic Problems Reported: A small fault is shown on the source maps in the southern part of the mine. This fault resulted in only minor disruptions of the mining pattern, with shortened rooms on one side of the fault and longer rooms on the other.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Sims Coal Company	Sims	1932-1932	2,000
Sims & Angel	Sims & Angel	1933-1935	7,000
Sims Coal Company	Sims	1936-1950	<u>370,306</u>
			379,406

Last reported production: December 1950

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_510_01	1-31-1951	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, slope location, seam, depth, thickness.
 Microfilm map, document 353228, reel 03142, frame 158 - Slope & shaft locations, mine outline, mining method.
 Company map, ISGS map library, 4103.W52 i5.1-89 - Geologic problems.

Mine Index 4154**Kenneth McDonald, McDonald Mine**

Type: Underground Total mined-out acreage shown: 4 Not shown on the accompanying map due to later surface mining by various operators. The area shown for this mine is too large for the reported production. The source map shows only the haulage routes and general direction of the rooms. McDonald may have extended or connected to another older underground mine. This is supported by a note on the source map saying "air course through east mine". (No air shaft was shown.)

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	32	NW NW NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Kenneth McDonald	McDonald	1933-1938 *	<u>7,818</u> 7,818

* Idle 1937

Last reported production: 1938

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1430_01	8-3-1937	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

State archive map, IL_1430_01- Slope location, mine outline, mining method.

Mine Index 4159**R. C. Jennings & Son Coal Company, Jennings Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 2 acres were mined. This mine is in an area that was later enlarged by the Will Scarlet Mine (mine index 697).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	10S 4E	17	SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Dekoven	10-20			3.0	Surface
Davis				1.67	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
R. C. Jennings & Son Coal Company	Jennings	1956-1956	8,981
			8,981

Last reported production: October 1956

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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.

Mine Index 4160**Sugar Creek Coal Company, Sugar Creek No. 1 Mine**

Type: Surface Total mined-out acreage shown: None The mine area is within a larger surface mine.
 Production indicates approximately 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	10S 4E	17	NW SW NW
Pit	Williamson	10S 4E	17	SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Dekoven	20-28			5.5	Surface
Davis				1.67-2.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Sugar Creek Coal Company *	Sugar Creek No. 1	1956-1959	<u>10,608</u> 10,608

* The mine changed ownership in May 1959, but continued to operate under the same name.

Last reported production: August 1959

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
USGS topographic map	1978	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, seam, depth, thickness.

USGS topographic map, 1965, Photorevised 1990 - Mine outline, mining method.

Mine Index 4439
Nu Way Coal Company, Nu Way Mine

Type: Underground Total mined-out acreage shown: 2 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 drift *	Williamson	9S 3E	13	SW SW SE
Air shaft	Williamson	9S 3E	13	SW SW SE
Slope	Williamson	9S 3E	13	SW SW SE

* The drift was a highwall entry from the surface mine (mine index 6564) to the west.

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Nu Way Coal Company	Nu Way	1934-1935	1,139
Nu Way Coal Company	Nu Way	1935-1936	260 **
			1,399

* Production after map date

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353177	5-4-1935	1:1200	1:1450	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.
 Microfilm, document 353177, reel 03142, frame 69 - Mine location, mine outline, mine type, mining method.

Mine Index 4454
Alta Bratten, Bratten Mine

Type: Underground Total mined-out acreage shown: None Production indicates less than 1 acre was mined. Not shown on the accompanying map; later surface-mined as part of the Delta Mine (mine index 702).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	22	SW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	30	5.0	6.5	5.67	RP

Geologic Problems Reported: The roof was a gray clay shale that had a sharp contact with the coal and ranged from 6 to 18 inches thick. The coal contained some hard pyrite and shale partings.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Alta Bratten	Bratten	1929-1929	<u>1,650</u> 1,650

Last reported production: 1929

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.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Williamson County) - Mine type, slope location, seam, depth, thickness, geologic problems.
 ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map - Mine location, mine outline.

Mine Index 4458**Bluebird Coal Company, Bluebird No. 4 Pit**

Type: Surface Total mined-out acreage shown: None Production is unknown and the size cannot be estimated.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Williamson	9S 4E	30	NE cor SW SE *
Pit	Williamson	9S 4E	30	W ½ NE SW
Pit	Williamson	9S 4E	30	SE SE SW

* Some confusion exists on the location; the mine notes also indicated the mine was located in 33-T9S-R5E

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Bluebird Coal Company **	Bluebird, Pit No. 4	1935-	

** The Coal Reports did not list the production for Pit 4 separately; production and years of operation are unknown. See Mine Index 4087, Bluebird Mine

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)	8-4-1935	(text only)	1:24000 ***	Secondary source

*** The mine location was plotted on a 1:24,000 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.
 Mine notes (Williamson County) - Mine type, mine location, seam.
 ISGS field notes (Williamson County) - Pit locations.

Mine Index 4464**Marshall Coal Company, Marshall No. 1 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 4E	31	NW NE *

* An uncertain location point has been placed on the map at this location, due to poor location information. The mine is probably within the larger surface mine in the northeast part of the section (37-T9S-R4E).

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Marshall Coal Company	Marshall No. 1	1957-1958	<u>5,900</u> 5,900

Last reported production: December 1958

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS 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.

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

Mine Index 4474**Marx Coal Company, Marx No. 1 Mine**

Type: Underground Total mined-out acreage shown: Less than 1 acre Not shown on the accompanying map due to later surface mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	29	SE SW NE
Air shaft	Williamson	9S 4E	29	SE SW NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Marx Coal Company	Marx No. 1	1936-1936	818
			818

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353112	11-5-1936	1:1200	1:1076	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.

Microfilm map, document 353112, reel 03141, frame 335 - Slope & shaft locations, mine outline, mining method.

Mine Index 4514**Menow Coal Company, Menow No. 1 Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 18 acres were mined. This mine is located within a larger surface-mined area.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	19	NW NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	50			5.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Menow Coal Company	Menow No. 1	1965-1966	<u>159,216</u> 159,216

Last reported production: July 1966

SOURCES OF DATA

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

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

Annotated Bibliography (data source, brief description of information)

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

Department of Mines & Minerals, 7a-02-13, aerial photograph base map with surface mines identified - Mine outline.

Mine Index 4531**Sunnybrook Coal Company, Sunnybrook Mine**

Type: Underground Total mined-out acreage shown: 75 The source map is incomplete, missing the easternmost extent of the mine. The mine probably encompassed approximately 95 acres. A 39 acre general area of mining is shown on the east side of the mine.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	20	NW NE SW
Air shaft	Williamson	9S 4E	20	NE NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	265-280			4.33-4.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Sunnybrook Coal Company	Sunnybrook	1940-1953	<u>376,987</u> 376,987

Last reported production: February 1953

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_519_01	2-20-1953	1:1200	1:1200	Incomplete / 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, depth, thickness.

State archive map, msha_519_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 4532**Sugar Creek Coal Company, Sugar Creek No. 2 Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 6 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	10S 4E	17	SW NE *

* The mine notes only gave the section number. It is likely Sugar Creek No. 2 mine is near or adjacent to the Sugar Creek No. 1 Mine (mine index 4160) in SE NE or near the Jennings Mine (mine index 4159) in SW SE NW.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Dekoven					Surface
Davis	25-30			5.0-5.67	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Liberty Coal Company	Liberty No. 1	1957-1957	45,860
Sugar Creek Coal Company	Sugar Creek No. 2	1958-1959	<u>7,138</u>
			52,998

Last reported production: July 1959

SOURCES OF DATA

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

* Point plotted onto 1:24,000 USGS topographic map 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, depth, thickness.

Mine Index 4535**Crab Orchard Cooperative Coal Company, Inc., Crab Orchard Cooperative No. 1 Mine**

Type: Surface Total mined-out acreage shown: None Production indicates approximately 45 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	Williamson	9S 4E	30	N ½ S ¼

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	50			4.33	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Crab Orchard Cooperative Coal Co., Inc.	Crab Orchard Cooperative No. 1	1962-1963	<u>314,368</u> 314,368

Last reported production: December 1963

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Nelson, Catalog of Coal Mines	2003	(text only)	1:24000 *	Secondary source
Department of Mines & Minerals	Undated			Secondary source
Department of Mines & Minerals	Undated			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, mine location, seam.
 W.J. Nelson (ISGS), Catalog of Coal Mines in Williamson County, 2003 - Mine location.
 Department of Mines & Minerals, 7a-02-13, aerial photograph base with surface mines identified - Mine outline.
 Department of Mines & Minerals, 7a-02-14, aerial photograph base with surface mines identified - Mine outline.

Mine Index 4561**Sunnybrook Coal Company, Sunnybrook No. 2 Mine**

Type: Underground Total mined-out acreage shown: 17

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	29	NE NW SW
Air shaft	Williamson	9S 4E	29	NE NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	60			4.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Sunnybrook Coal Company	Sunnybrook No. 2	1934-1940	<u>48,896</u> 48,896

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_520_01	4-1-1940	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Williamson County) - Mine type, slope & shaft locations, seam, depth, thickness.

State archive map, msha_520_01 - Slope & shaft locations, mine outline, mining method, seam.

Mine Index 6551**Cedar Hill Coal Company, Cedar Hill Mine**

Type: Underground Total mined-out acreage shown: 93 This mine was later partially stripped out by later surface mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	30	SE SE NE
Air shaft	Williamson	9S 4E	30	NW SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	70-135			4.17-4.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Cedar Hill Coal Company	Cedar Hill	1935-1952	449,657
			449,657

Last reported production: March 1952

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_617_01	3-13-1952	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

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

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

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

State archive map, msha_617_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 6803
Floyd McDonald, McDonald Mine

Type: Underground Total mined-out acreage shown: None Not shown on the accompanying map because of later surface mining. Production indicates approximately 7 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	32	SW NW NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Finley McDonnal	McDonnal	1922-1924	150
W. F. McDonald	McDonald	1925-1927	7,638
Floyd McDonald	McDonald	1928-1931 *	1,770
McDonald Coal Company	McDonald	1932-1932	10,809
Frank McDonald	McDonald	1933-1933	2,960
Floyd McDonald	McDonald	1934-1935	5,760
			29,087

* Production was not reported from 1930 to 1933 for mines producing less than 1,000 tons per year; 1931 production is unknown.

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_455_01	9-8-1938	1:1200	1:1200	Final

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.
 State archive map, msha_455_01 - Slope location, mine outline, mining method.

Mine Index 6804**Ridge Top Mining Company, Inc., McDonald Mine**

Type: Surface Total mined-out acreage shown: 14

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Williamson	9S 4E	29	SW SE SE

GEOLOGY

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

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
L. & M. Coal Company	McDonald	1949-1949	10,120
Ridge Top Coal Mining Company, Inc.	McDonald	1950-1951	<u>30,495</u>
			40,615

Last reported production: 1951

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353234	8-28-1952	1:2400	1:2648	Final

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.

Microfilm map, document 353234, reel 03142, frame 164 - Mine location, mine outline, mining method.

Mine Index 6805**V. A. Schillinger, Schillinger Mine**

Type: Underground Total mined-out acreage shown: Less than 1 acre Production indicates less than 1 additional acre was mined after the map date. This mine is not shown on the accompanying map due to later surface mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	Williamson	9S 4E	30	SE SW SW

GEOLOGY

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

Geologic Problems Reported: Old works were encountered in opening a room on the southern side of the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
V. A. Schillinger	Schillinger	1934-1935	1,330
V. A. Schillinger	Schillinger	1935-1935	625 *
			1,955

* Approximate production after map date

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1380_01	5-18-1935	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.

State archive map, IL_1380_01 - Drift location, mine outline, mining method.

Mine Index 6806**C. M. & F. J. Bruce, Bruce Mine**

Type: Underground Total mined-out acreage shown: 2 This mine was partially stripped out by later surface mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	29	SE SE SW *
Air slope	Williamson	9S 4E	29	SE SE SW *

* Not shown due to later surface mining.

GEOLOGY

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

Geologic Problems Reported: The source map of Bruce Mine showed that the northernmost room holed into old works of another mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
C. M. & F. J. Bruce	Bruce	1934-1934	6,440
			6,440

Last reported production: 1934

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1442_01	2-17-1935	1:600	1:600	Final **
State archive, IL_1440_01	1-6-1949	1:1200	1:1200	Secondary source**

** 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.

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 map, IL_1442 - Slope locations, mine outline, mining method, geologic problems.
 State archive map, IL_1440_01, map of L. & M. Mine (mine index 4113) - Mine outline (eastern).

Mine Index 6807**H. H. Cooksey Coal Company, Cooksey Mine**

Type: Underground Total mined-out acreage shown: None Production and source map indicate less than 1 acre was mined. Not shown on accompanying map due to later mining by Ridge Top Mine (mine index 6804)

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Williamson	9S 4E	29	SW SE SE
Air shaft	Williamson	9S 4E	29	SW SE SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
H. H. Cooksey Coal Company	Cooksey	1934-1936	<u>1,439</u> 1,439

Last reported production: May 15, 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, msha_610_01	5-20-1936	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

State archive map, msha_610_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 6850**Peacock Coal Company, Peacock No. 2 Mine**

Type: Surface Total mined-out acreage shown: 25

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	9S 4E	29	SE SW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Peacock Coal Company	Peacock No. 2	1979-1979	not reported *

* This mine was new in May, but production was not reported.

Last reported production: 1979

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Nelson, Catalog of Coal Mines	2003	(text only)	1:24000 **	Secondary source
USGS topographic map	PR 1990	1:24000	1:24000	Secondary source
Department of Mines & Minerals	Undated			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 - Ownership, years of operation.

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.

USGS topographic map, Crab Orchard, 1965, Photorevised 1990 - Mine outline.

Department of Mines & Minerals, 7a-02-13, aerial photograph base map with surface mines identified - Mine outline.

Mine Index 6907**Big Three Coal Company, Big Three No. 2 Mine**

Type: Surface Total mined-out acreage shown: 3 Production indicates about 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	9S 4E	29	NW NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	20			5.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Big Three Coal Company	Big Three No. 2	1956-1957	<u>6,050</u> 6,050

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
State archive, msha_605_01	1-14-1957	1:1200	1:1200	Not final
Department of Mine & Minerals	Undated			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.

State archive map, msha_605_01 - Mine location.

Department of Mines & Minerals, 7a-02-13, aerial photograph base map with surface mines identified - Mine outline.

OTHER MINES SHOWN ON CRAB ORCHARD QUADRANGLE

Mine Index 4446 SW SW SE 13-T9S-R3E, surface, Herrin Coal, 6 feet thick source: ISGS mine notes

Mine Index 4450 * SE NW SW 19-T9S-R4E, underground, Herrin Coal source: ISGS mine notes

Mine Index 4452 * SE NE NE 21-T9S-R4E, slope, Herrin Coal, 17 feet deep, 6 feet thick source: ISGS mine notes

Mine Index 4453 SE SE SW 22-T9S-R4E, surface, Herrin Coal, 2 feet thick source: ISGS mine notes & ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report

Mine Index 4455 * NW SW SW 28-T9S-R4E, drift, Herrin Coal, 10 feet deep, 5 feet thick source: ISGS mine notes

Mine Index 4456 NW SE SW 29-T9S-R4E, slope, Springfield Coal, 4.5 feet thick source: ISGS mine notes (J. H. Hughes) & ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report

Mine Index 4457 SW SE SW 30-T9S-R4E, surface, Springfield Coal, 4 feet thick source: ISGS mine notes (J. H. Hughes) & ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report

Mine Index 4459 SW NE SW 30-T9S-R4E, surface, Herrin Coal source: ISGS mine notes, ISGS field notes (H. R. Wanless, 8-15-1932)

Mine Index 4460 SW SW NE 30-T9S-R4E, slope, Herrin Coal, 4 feet thick source: ISGS mine notes

Mine Index 4461 NW SE NE 30-T9S-R4E, surface, Herrin Coal, 5 feet deep source: ISGS mine notes & ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map

Mine Index 4462 NW SW NE 30-T9S-R4E, surface, Herrin Coal, 6 feet thick source: ISGS mine notes (J. H. Hughes) & ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report map

Mine Index 4465 SE NE NE 31-T9S-R4E, surface, Springfield Coal source: ISGS mine notes (J. H. Hughes)

Mine Index 4466 * SE NE NE 32-T9N-R4E, slope, Springfield Coal source: ISGS mine notes

Mine Index 4467 * NW NE NE 32-T9S-R4E, slope, Springfield Coal; source: ISGS mine notes (J. H. Hughes), ISGS field notes (G. H. Cady, 4-24-1931) & ISGS map library, 4103.W52 i5.1-189, Federal Land Bank Report map

Mine Index 4468 * NW NE NE 32-T9S-R4E, slope, Springfield Coal, 4.5 feet thick source: ISGS field notes (G. H. Cady, 1931) & ISGS mine notes (J. H. Hughes)

Mine Index 4470 NW NE NW 32-T9S-R4E, slope, Springfield Coal source: ISGS mine notes (J. H. Hughes) & ISGS map library, 4103.W52 i5.1-189. This slope is probably related to the Henson Mine (mine index 4141).

Mine Index 4471 NE SE NE 33-T9S-R4E, surface, Springfield Coal, 4 feet thick source: ISGS mine notes (J. H. Hughes) & ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report

Mine Index 4472 NW SE NW 33-T9S-R4E, surface, Springfield Coal source: ISGS mine notes (J. H. Hughes)

Mine Index 4473 NE SE NW 33-T9S-R4E, surface, Springfield Coal, 2 feet thick source: ISGS mine notes (J. H. Hughes) & ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report

Mine Index 4475 SW SE NW 34-T9S-R4E, surface, Springfield Coal source: ISGS mine notes (J. H. Hughes)

Mine Index 4486 SE NE SW 15-T10S-R4E, Dekoven/Davis Coals source: ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report

Mine Index 4487 SE SW NW 15-T10S-R4E, Dekoven/Davis Coals source: ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report

Mine Index 4488 NW SE SW 16-T10S-R4E, Dekoven/Davis Coals, 5 feet deep, 3 feet of coal with 2.33 feet of interburden source: ISGS map library, 4103.W52 i5.1-189 and ISGS field notes (Cady & Willson, 1938)

Mine Index 4490 SE NE NW 19-T10S-R4E, surface, Mt. Rorah Coal source: ISGS mine notes & ISGS field notes (H. R. Wanless, 1932)

Mine Index 4504 SE NE NW 15-T10S-R4E, drift, Dekoven/Davis Coals source: ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report, & ISGS field notes (Cady & Wilson, 1938)

Mine Index 4506 NW SW NE 16-T10S-R4E, Dekoven/Davis Coals source: ISGS map library, 4103.W52 i5.1-189

Mine Index 4511 NE SE NE 30-T10S-R4E, surface, Mt. Rorah Coal source: ISGS field notes (M. W. Fuller, 1932)

Mine Index 6564 NE NW 24-T9S-R3E, surface, Herrin Coal source: USGS topographic map, Crab Orchard, 1965, Photorevised 1990 & Catalog of Coal Mines in Williamson County (W.J. Nelson (ISGS), 2003)

Mine Index 6570, Hudgens Mine * NW NW NW 22-T9S-R4E, Herrin Coal source: ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report

Mine Index 6811 NE NW SE 17-T10S-R4E, drift, Dekoven Coal source: ISGS field notes (H. R. Wanless, 1932)

Mine Index 6812 SE SE NE 4-T10S-R4E, surface, Dekoven Coal source: ISGS field notes (H. R. Wanless, 1932)

Mine Index 6853, Brier Creek Coal Company N½ NE NW 32-T9S-R4E, surface, Springfield Coal source: Catalog of Coal Mines in Williamson County (W.J. Nelson (ISGS), 2003) & National Agriculture Imagery Program map (2015), & Department of Mines and Minerals, 7a-02-13, aerial photograph base with surface mines identified

Mine Index 6854 N½ NE 32-T9S-R4E, surface, Springfield Coal source: USGS topographic map, Crab Orchard, 1965, Photorevised 1990 & Catalog of Coal Mines in Williamson County (W.J. Nelson (ISGS), 2003) & Department of Mines and Minerals, 7a-02-13, aerial photograph base map with surface mines identified

Mine Index 6903 NE SE SW 32-T9S-R4E, surface, Houchin Creek Coal The east half of this mine was stripped prior to 1960, and the western part of this mine was stripped out between 1960 and 1965. source: USGS topographic map, Crab Orchard, 1965, Photorevised 1990 & Catalog of Coal Mines in Williamson County (W.J. Nelson (ISGS), 2003)

Mine Index 7838 SE NW 34-T9S-R4E, underground, Springfield Coal source: State archive map, msha_510_01, map of the Sims Mine (mine index 4148)

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

* Not shown on the accompanying map; inside a larger surface-mined area

MINES WHOSE LOCATIONS ARE NOT KNOWN, CRAB ORCHARD QUADRANGLE

The locations of the following mines are unknown, but the production tonnage, operating names, and nearest town were reported in the Annual Coal Reports. The operators listed below mined somewhere in or near the Crab Orchard Quadrangle. The information shown is similar to that presented on the summary sheets in the previous pages of this directory. The first item is the name the mine operated under as listed in the Coal Report, then the years the mine reported. If no physical data are available, the next item listed is the total tons produced by the mine. If physical data are available, the order of presentation is as follows: 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 57,435 (52,765 underground-mined, 4,320 surface-mined, and 350 mined by unspecified method), which would represent approximately 8 to 17 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres) Some listings may be duplicated on other Williamson County quadrangles and are not in addition to those listed in those quadrangles; in many cases it is not possible to reliably discern the exact quadrangle.

"Other strippings" within Williamson County, 1883-1887, surface probably near Cartersville or Herrin, where earlier mining was done	27,500 tons
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D. D. J. L., No. 1 Mine, 1978-1978	not reported
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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
Schreiyer (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 tons</u> 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

CRAB ORCHARD

Motsinger (E. W.), 1896-1899, surface, Herrin 7-8, 7.0	260 tons
Copley & Company, 1889-1890, drift, Herrin, 60, 4.0-6.0, RP	100 tons
Crossley & Company, 1890-1892	645 tons
Crossley & Huddston, 1892-1894	4,600 tons
Grossley & Huddston, 1894-1895	<u>none</u>
	5,345 tons
Bowen (Frank), 1896-1897, drift, Herrin, 20, 5.5, RP	285 tons
Edward & Allen, 1897-1898	300 tons
Bowes (L. F.), 1898-1899	<u>240 tons</u>
	825 tons
Chaney (W. A.), 1896-1897, drift, --, 20, 5.0, RP	280 tons
Chaney (R. L.), 1897-1898, drift, Herrin, 10-25, 5.5, RP	600 tons
Willford (T. H.), 1898-1901	680 tons
Willford & Downs, 1901-1903	<u>500 tons</u>
	1,780 tons
Motsinger (Charles), 1896-1898, drift, Herrin, 22, 5.5	460 tons
Motsinger (T.), 1898-1901	900 tons
Tarpley (W. S.), 1901-1913	<u>4,900 tons</u>
	6,260 tons
Motsinger & Carter, 1911-1912, drift, Herrin, 6, 4.33-4.5	450 tons
Carter & Sims, 1912-1913	1,200 tons
Motsinger & Sims, 1913-1914	900 tons
Motsinger (Charles), 1915-1916, slope, Herrin, 12, 4.5	<u>720 tons</u>
	3,270 tons
Sparks (Edgar), 1898-1900, drift, Herrin, 20, 5.5, RP	1,900 tons
Morow (George), 1900-1901	<u>400 tons</u>
	2,300 tons
McKenzer (Thomas), 1907-1908, slope, Herrin, 40, 5.5, RP	840 tons
Reeds (Ed), 1908-1909, slope, Herrin, 10, 4.0, RP	800 tons
Turner (Elmer), 1908-1909, Herrin, 10, 4.0, RP	600 tons
Jones (W. R.), 1908-1909, slope, Herrin, 14, 4.0, RP	320 tons
Richy, (L. P.), 1908-1909, slope, Herrin, 12, 4.0, RP	320 tons
Richy (Grant), 1908-1909, slope, Herrin, 14, 4.0, RP	240 tons
Graves (J. L.), 1908-1909, slope, Herrin, 14, 4.0, RP	240 tons
Campbell (Ed), 1908-1909, slope, Herrin, 12, 4.0, RP	180 tons
Rentfro (F. E.), 1910-1918, drift, Herrin or Springfield, 12-50, 4.0-5.33, RP	12,127 tons
Smith (S. B.), 1909-1911, shaft, Herrin, 30, 9.0, RP (Marion)	416 tons
Bradley (L.), 1911-1912, surface, Springfield, --, 5.5 (Carterville)	<u>300 tons</u>
	716 tons
Hill (S. D.), 1909-1910, drift, Herrin, 15, 4.0, RP	110 tons
Shaw (Mon), 1909-1910, drift, Herrin or Springfield, 30, 4.0-4.33, RP	1,050 tons
Beasley (W. D.), 1910-1911, slope, Herrin, 30, 4.0, RP	400 tons

Swan (Charles W.), 1910-1912, slope, Herrin, 35, 4.0, RP	565 tons
Hampton, (G. E.), 1914-1915, slope, Herrin, 15, 4.67, RP	1,100 tons
Bailey & Wall, 1936-1936, underground	719 tons

CREAL SPRINGS

Russell & Deaton, 1928-1928, underground	127 tons
Hammers (Wesley), 1929-1929	<u>17 tons</u>
	144 tons
Red Bird Coal Company, 1935-1935, underground	70 tons

FAIRFIELD

Rumberg (C. H.) Coal Company, 1950-1950, surface, Herrin, 14, 5.0	1,000 tons
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NEW DENNISON

Bradley (A. L.), 1908-1909, slope, Herrin, 20, 4.0, RP	420 tons
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PITTSBURG

Freels (B.), 1925-1925	50 tons
Charity Coal Company, 1932-1932, underground	2,900 tons
Kelton (Walter) Coal Company, 1934-1935, underground	1,270 tons

STONEFORT

Sittig (H. P.), 1909-1910, slope, Herrin, 10, 4.0, RP	246 tons
Roberson (C. D.), 1909-1910, drift, Herrin, —, 4.0, RP	115 tons
Reynolds (Jack), 1919-1920	226 tons
Wilhelm (Leo), 1920-1921	1,600 tons
Tramel Brothers, 1920-1921	450 tons
Dreton (George), 1920-1921	400 tons
Cowsert (John), 1922-1923	120 tons
Bearsley & Holmes, 1925-1925	3,150 tons
Neely (Guinn), 1928-1928, underground	50 tons
Ledford (Seigel), 1934-1934, underground	2,000 tons
Parton (Evert), 1934-1934, underground	330 tons

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