

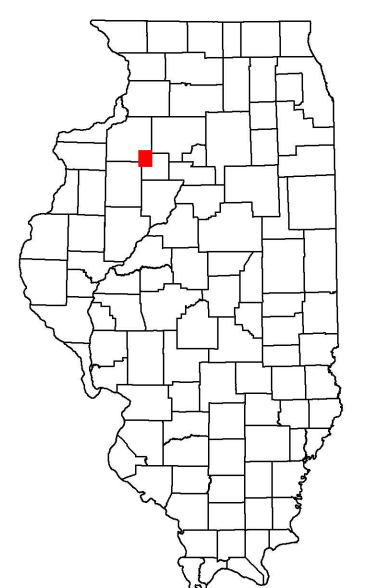
Herrin Coal

Mining Method	Other Areas Depicted
 Room & Pillar (RP)	 Non-Coal Mines
 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	

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

△	Strip Mine Tipple - Active
△	Strip Mine Tipple - Abandoned
■	Mine Shaft - Active
■	Mine Shaft - Abandoned
▨	Mine Slope - Active
▨	Mine Slope - Abandoned
▽	Mine Drift - Active
▽	Mine Drift - Abandoned
□	Air Shaft
○	Uncertain Location
□	Uncertain Type of Opening

Location



Company
Mine Name
ISGS Index No., Years of Operation

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

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

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

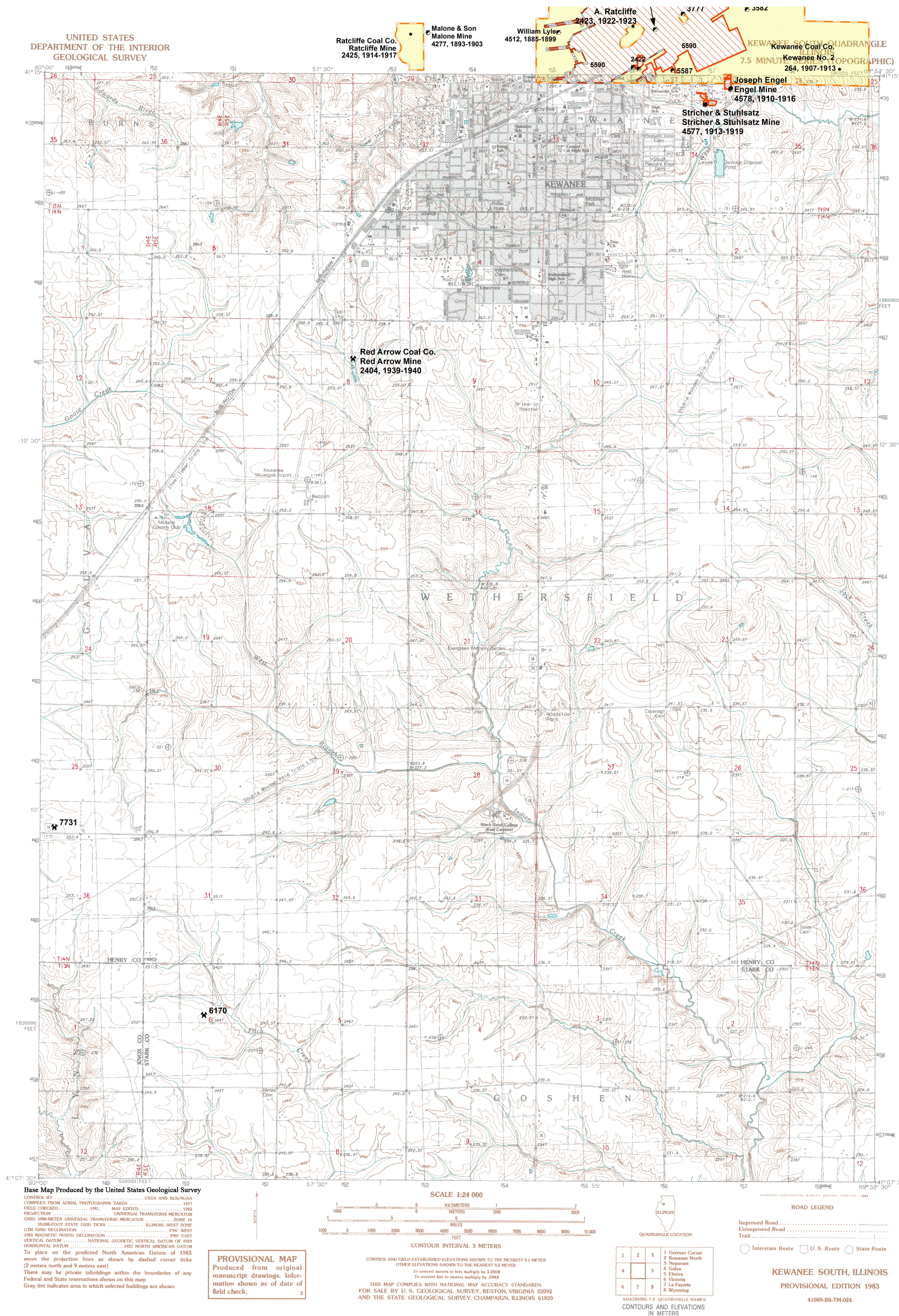
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**Mine Outlines Compiled by
C. Chenoweth
June 2016**



DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES KEWANEE SOUTH QUADRANGLE HENRY, STARK & KNOX COUNTIES

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2016, updated 2024

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This material is based upon work supported by the Illinois Department of Transportation. Any opinions, findings, and conclusions or recommendations expressed in this publication are those of the authors and do not necessarily reflect the views of the Illinois Department of Transportation.

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.

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INTRODUCTION

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

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

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

MINING IN THE KEWANEE SOUTH QUADRANGLE

Mining in the Kewanee South Quadrangle is much less extensive than mining in the Kewanee North Quadrangle. Most (if not all) of the unlocated mines at the back of the report are most likely in the hills and valleys north of the town of Kewanee. The Herrin Coal tended to be thinner in the Kewanee South Quadrangle (sometimes less than 4 feet thick), and closer to the outcrop.

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 KEWANEE SOUTH QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Kewanee South 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 2404

Red Arrow Coal Company, Red Arrow Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Henry	14N 5E	8	NW SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	20-30			3.33-4.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Edgar Bellrose	Red Arrow	1939-1939	910
Red Arrow Coal Company	Red Arrow	1940-1940	<u>83</u>
			993

Last reported production: 1940

SOURCES OF DATA

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

Annotated Bibliography (data source, brief description of information)

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

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

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

Mine Index 4577**Stricher & Stuhlsatz, Stricher & Stuhlsatz Mine**

Type: Underground Total mined-out acreage shown: 3 Production indicates approximately 4 acres were mined after the map date. The area shown is larger than expected for the reported production. It is likely one or more operators worked the mine prior to Stricher & Stuhlsatz. 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	Henry	15N 5E	34	SE NW NE
Air shaft	Henry	15N 5E	34	SE NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	30-40			4.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Stricher & Stuhlsatz	Stricher & Stuhlsatz	1913-1916	5,504
Stricher & Stuhlsatz	Stricher & Stuhlsatz	1916-1919	13,005 *
			18,509

* Production after map date

Last reported production: 1919

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351517	7-13-1916	1:600	1:745	Not final

Annotated Bibliography (data source, brief description of information)

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

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

Microfilm map, document 351517, reel 03136, frame 271 - Slope & shaft locations, mine outline, mining method.

Mine Index 4578
Joseph Engel, Engel Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Henry	15N 5E	34	NE NE NE
Air shaft	Henry	15N 5E	34	NE NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	16-30			3.0-4.0	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Joseph Engel	Engel	1910-1915	8,320
Joseph Engel	Engel	1915-1916	2,520 *
			10,800

* Production after map date

Last reported production: 1916

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351522	6-12-1915	1:600	1:662	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness.
 Directory of Illinois Coal Mines (Henry County) - Mine names, mine index, ownership, years of operation.
 Microfilm map, document 351522, reel 03136, frame 276 - Slope & shaft locations, mine outline, mining method.

Mine Index 5590**Lathrop Coal & Mining Company, Lathrop No. 5 & 6 Mine**

Type: Underground Total mined-out acreage shown: 569

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Henry	15N 5E	27	NW NE SW
Shaft	Henry	15N 5E	27	SE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	100			4.0	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Lathrop Coal & Mining Company	Lathrop No. 5 & 6	1875-1888 *	352,202 ** 352,202

* The Federal Land Bank Report indicates this mine was opened prior to 1875; Henry County History indicated that Lathrop Coal Company was founded in 1869, so production from this mine prior to 1869 is unlikely, unless it was bought from another producer.

** Production prior to 1880 unknown

Last reported production: 1888

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351523	undated	1:2118	1:4340	Undated
Company, 4103.H42 i5.1-17	4-1876 ***	1:1920	1:4340	Not final

*** Date filed

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 351523, reel 03136, frame 277 - Shaft locations, further extensions of the mine.

Company map, ISGS map library, 4103.H42 i5.1-17 - Shaft locations, extent of early works of mine.

OTHER MINES SHOWN ON KEWANEE SOUTH QUADRANGLE

Mine Index 6170 SE SE NW 6-T13N-R5E, surface, Herrin Coal, 12 inches thick (eroded) source: ISGS Mined-Out Area maps (Area 6, 1950)
 Mine Index 7731 SW SE SW 25-T14N-R4E, shaft, Herrin Coal, 45 feet deep, 4.0 feet thick source: ISGS Mined-Out Area maps (Area 6, 1950)

MINES WHOSE LOCATIONS ARE NOT KNOWN, KEWANEE SOUTH QUADRANGLE

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

The total tons mined by these unlocated mines is 1,846,435 (1,675,038 underground; no surface mined; 171,397 mined by uncertain method), which would represent approximately 360 to 650 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

GALVA (Henry County)		Mine index
Walker, Corkill & Company, 1879-1880, shaft, Herrin, 50-75, 4.0-4.5	8,000 tons	90730090
Lewin, Corkill & Company, 1880-1882	<u>17,000</u> tons 25,000 tons	
Galva Union Coal Company, 1884-1890, shaft, Herrin, 62, 4.0, RP	19,846 tons	90730112
Herdien Coal Company, No. 10 Mine, 1890-1893	<u>14,709</u> tons 34,555 tons	
Murray (James H.), 1889-1902, shaft, Herrin, 28-57, 4.0-4.5, RP	58,577 tons	90730118
Murray (Phillip), 1889-1897, shaft, Herrin, 20-32, 3.5-4.0, RP	2,915 tons	90730120
McKane & Reed, 1897-1898	<u>2,001</u> tons 4,916 tons	
Murphy (A. W.), 1898-1900, slope, Herrin, 20, 4.0, RP	472 tons	90730131
East Coal Company, 1924-1925	2,206 tons	90730160
Lamb & Head, 1926-1926	<u>2,142</u> tons 4,348 tons	
Anderson (M. J.), 1934-1934, underground	200 tons	90730166
Eagle Coal Company, 1889-1891, shaft, Herrin, 60-68, 4.0-4.33, RP	6,793 tons	90730215
Gray Eagle Coal Company, 1891-1896	<u>85,334</u> tons 92,127 tons	
HAWLEY (Henry County)		
King (Ed), pre1881-1883, slope, Herrin, 30, 4.0	900 tons	90730091
Hadsell (J. S.), 1881-1882, slope, Herrin, 35, 4.5	300 tons	90730092a
Hadsell (J. S.), 1884-1886, slope, Herrin, 25, 4.5, RP	560 tons	90730092b
Smith & Hadsell, 1888-1891, slope, Herrin, 25, 4.0, RP	1,793 tons	90730092c

Smith & Hadsell, 1892-1893, slope, Herrin, 25, 4.0, RP	480 tons	90730092d
Rochford (John), 1881-1892, shaft, Herrin, 20-40, 4.0-4.5, RP	8,064 tons	90730093
Finch (H. C.), 1889-1890	236 tons	90730119
Kemmerling (Orpheus), 1893-1897, shaft, Herrin, 25-33, 4.0, RP	1,510 tons	90730125
Rockford (John), 1898-1899, slope, Herrin, 30, 4.0	160 tons	90730132

KEWANEE (Henry County)

Kewanee Coal Company, No. 1 Mine, 1890-1898, shaft, Herrin, 80, 4.0, RP	258,506 tons	90730264a
Kewanee Coal & Mining Company, No. 1 Mine, 1900-1907 shaft, Herrin, 100-106, 4.0-4.17, RP	363,238 tons	90730264b
Mink Brothers, 1893-1896, slope, Herrin, 40-60, 4.0, RP	1,000 tons	90732415
Hodgett (Absalom), 1901-1907, shaft, Herrin, 35-50, 4.0, RP	7,218 tons	90732416
Hodgett Brothers, 1912-1914, slope or drift, Herrin, 10, 4.0, RP	996 tons	90732416b
Henry (Philip), 1895-1902, shaft, Herrin, 26-72, 4.0, RP	44,967 tons	90732420c
Heinrich (Herman), 1895-1896, drift, —, 25, 4.0, RP	400 tons	90732420d
Henry (Herman), 1898-1899, shaft, Herrin, 55, 4.0	630 tons	90732420d
Henry Brothers, 1894-1895, shaft, Herrin, 75, 4.0, RP	4,075 tons	90732420e
Pyle (Joseph), 1896-1901, slope, Herrin, 20, 4.0, RP	1,628 tons	90735567
Lathrop Coal Company, No. 1 Mine, 1882-1887, shaft, Herrin, 100, 4.0, RP	37,320 tons	90735590
Lathrop Coal Company, No. 3 Mine, 1887-1889	17,981 tons	90735590
Lathrop Mining Company, No. 7 Mine, 1888-1890, shaft, Herrin, 110, 4.0, RP	35,311 tons	90735590
Kewanee Coal Company, No. 7 Mine, 1893-1898	<u>138,393</u> tons 173,704 tons	
Kirley (Bernard), No. 1 Mine, 1881-1894, shaft, Herrin, 60-74, 4.0, RP	59,447 tons	90730001
Kirley (Bernard), No. 2 Mine, 1893-1901, shaft, Herrin, 66-68, 3.75-4.0, RP	30,095 tons	90730002
Stanley (William), 1881-1889, shaft, Herrin, 42-66, 4.0, RP	12,040 tons	90730004
Charles (Samuel), pre1879-1881, shaft, Herrin, 58, 4.0	800 tons	90730005
Charles (Thomas), 1881-1883	<u>1,900</u> tons 2,700 tons	
Plumtree (Elijah), pre1880-1882, shaft, Herrin, 25-60, 4.0	2,400 tons	90730006a
Plumtree (Elijah), 1884-1889, drift, Herrin, 20, 4.0, RP	4,502 tons	90730006b
Martin (William), pre1879-1888, shaft or drift, Herrin, 25-60, 4.0, RP	11,858 tons	90730007
Tucker (Nathaniel), 1888-1889	620 tons	
Martin & Tucker, 1889-1891	2,082 tons	
Martin Brothers, 1891-1898	<u>8,101</u> tons 22,661 tons	
Price (Robert), 1879-1880, shaft, Herrin, 58-70, 4.0, RP	800 tons	90730008

Price (Joseph), 1881-1884	<u>5,500</u> tons 6,300 tons	
Boyd (Henry), 1881-1882, shaft or drift, Herrin, 25-30, 4.0-4.5	1,300 tons	90730009
Boyd & Plumtree, 1882-1883	3,000 tons	
Boyd (Henry), 1883-1884	<u>1,500</u> tons 5,800 tons	
Daniels (John), 1881-1882, shaft, Herrin, 30, 4.0	1,300 tons	90730010
Garland (B.), 1879-1880, slope, Herrin, 25-30, 4.0, RP	400 tons	90730011
Garland (Samuel), 1880-1885	<u>2,690</u> tons 3,090 tons	
Atkinson (John), pre1881-1889, drift, Herrin, 15-30, 4.0, RP	9,046 tons	9073000012
Atkinson & Todd, 1889-1890	<u>900</u> tons 9,946 tons	
Davis (John), pre1881-1882, drift, Herrin, 45, 4.0	1,120 tons	90730013
Lamb (Edwin), 1886-1888, slope/drift, Herrin, 15, 4.0, RP	1,155 tons	90730014
Lamb (Edward), 1888-1889	960 tons	
Lamb (Edwin), 1889-1891	<u>1,502</u> tons 3,617 tons	
Jones & Lamb, 1889-1891, drift, Herrin, —, 4.0, RP	2,072 tons	90730015
Daniels (J. R.), 1889-1890	768 tons	90730016
Grice (William), 1882-1885, drift, Herrin, 25, 4.0, RP	671 tons	90730017
Brandt (William), 1881-1882, drift, Herrin, 30, 4.0	160 tons	90730018
Messmore (George), 1881-1883, drift, Herrin, 30, 4.0	230 tons	90730019
Stratton Brothers, 1882-1883, drift, Herrin, 45, 4.0	300 tons	90730020
France (Thomas), 1883-1885, shaft, Herrin, 70, 4.0, RP	1,960 tons	90730022
Greenhagen (Fred), 1885-1888, drift, Herrin, —, 4.0, RP	620 tons	90730023
Carter (Thomas), 1885-1903, shaft, Herrin, 60-70, 4.0, RP	6,467 tons	90730024
Higgs (Thomas F.), 1886-1886, shaft, Herrin, 65, 4.0, RP	100 tons	90730025
Greenhagen (Frank), 1891-1892, drift, Herrin, —, 4.0, RP	280 tons	90730026
Lester (Thomas), 1888-1893, slope, Herrin, 14-15, 4.0, RP	5,522 tons	90730027
Boyd & Price, 1887-1888	648 tons	90730028
Krahn & Henry, 1887-1888	380 tons	90730030
Henry (John), 1888-1889	1,339 tons	
Stuhlsatz & Henry, 1889-1890	<u>3,840</u> tons 5,559 tons	
Price (Joseph), 1890-1891, shaft, Herrin, 28, 4.0, RP	270 tons	90730031
Carter (Edward), 1888-1889	332 tons	90730032
Libby (Orlando), 1888-1889, shaft, Herrin, 65, 4.0, RP	704 tons	90730033
Libby & Phelps, 1889-1890	767 tons	
Libby (Orlando), 1890-1892	<u>2,088</u> tons 3,559 tons	

Mesmores (George), 1889-1890	320 tons	90730034
Kempin (Reinold), 1889-1898, slope, Herrin, 12-50, 4.0, RP	8,515 tons	
Kempin (Henry), 1898-1902	<u>5,120</u> tons 13,635 tons	90730035
Tibbetts & McMullen, 1890-1893, shaft, Herrin, 60, 4.0, RP	19,816 tons	90730036
Tibbetts, McMullen & Henry, 1893-1894	<u>5,580</u> tons 25,396 tons	
Lane (William), 1891-1895, shaft, Herrin, 28-30, 4.0, RP	1,140 tons	90730037
Garland & Dixon, 1892-1897, slope, Herrin, 50-70, 4.0, RP	5,261 tons	90730038
Ritka & Peart, 1892-1896, slope, Herrin, 10-40, 4.0-4.5, RP	5,289 tons	90730039
Garland & Dixon, 1897-1898, shaft, Herrin, 65-66, 4.0, RP	1,100 tons	90730040
Garland (Samuel), 1898-1901	5,540 tons	
Martin (Thomas), 1901-1902	300 tons	
Dixon & Martin, 1902-1905	9,606 tons	
Martin (Thomas), 1905-1906	<u>2,680</u> tons 19,226 tons	
Dixon (Joseph), 1898-1902, shaft or drift, Herrin, 40, 4.0, RP	3,346 tons	90730041
Malone (Peter), 1892-1903, slope, Herrin, 15-25, 4.0, RP	7,188 tons	90730042
Todd (Ralph), 1893-1903, slope, Herrin, 20-35, 4.0, RP	9,778 tons	90730043
Huffman Coal Company, 1893-1895, shaft, Herrin, 60, 4.5, RP	1,640 tons	90730044
Grice Brothers, 1893-1894, shaft, Herrin, 70, 4.0, RP	1,348 tons	90730045
Lincoln (Edward P.), 1894-1898, slope, Herrin, 25-40, 4.0, RP	1,099 tons	90730046
Messmore & Anderson, 1894-1896, shaft, Herrin, 50-79, 4.0-4.5, RP	1,559 tons	90730047
Groy & Son, 1897-1898, shaft, Herrin, 24-50, 4.0, RP	800 tons	90730048
Gray & Son, 1898-1899	420 tons	
Groy & Son, 1899-1900	925 tons	
Groy (Max), 1900-1908	7,001 tons	
Groy (Ernest), 1908-1910	<u>2,600</u> tons 11,746 tons	
Schultz (Gus T.), 1896-1899, slope, Herrin, 30, 4.0, RP	1,468 tons	90730049
Plumtree (E.), 1896-1897, slope, —, 25, 4.0, RP	318 tons	90730050
Eddy & Davis, 1899-1900, —, —, 70, 4.0, RP	3,888 tons	90730052
Duff (R. G.), 1899-1901, shaft, Herrin, 24-30, 4.0, RP	1,816 tons	90730053
Rief & Greiert, 1899-1900, —, —, 20, 4.0, RP	640 tons	90730054
Murchison (Kenneth), 1899-1902, shaft, Herrin, 16, 4.5, RP	910 tons	90730055
Carter (Ted), 1900-1903, shaft or slope, Herrin, 16-35, 4.0, RP	852 tons	90730056
Carter (Joseph), 1903-1914	<u>3,507</u> tons 4,359 tons	
Ahlgren (Emil), 1900-1910, slope, Herrin, 20-40, 4.0, RP	37,185 tons	90730057
Price (Benjamin), 1901-1905, shaft, Herrin, 48-65, 4.0, RP	6,839 tons	90730059
Lamb (Edwin), 1901-1902, slope, Herrin, 18-24, 4.0, RP	542 tons	90730060

Lamb & Tharp, 1902-1903	160 tons	
Lamb (William), 1903-1908	<u>1,958 tons</u>	
	2,660 tons	
Golden (Richard), 1901-1905, drift, Herrin, —, 4.0, RP	480 tons	90730061
Maloen (R. E.), 1902-1911, shaft or drift, Herrin, 40-50, 4.0, RP	3,446 tons	90730063
Stanley (Jospeh), 1902-1903, drift, Herrin, —, 4.0, RP	360 tons	90730064
McCaffrey (John), 1902-1903, slope, —, 40, 4.5, RP	320 tons	90730065
Maloen (Leo), 1903-1912, slope, Herrin, 20-50, 4.0, RP	7,196 tons	90730066
Maloen & Wilson, 1912-1913	320 tons	
Maloen (J. G.), 1913-1914	500 tons	
Maloen (Leo), 1914-1915	<u>560 tons</u>	
	8,576 tons	
Herman (John) & Company, 1903-1904, slope, Herrin, 20-50, 4.0, RP	2,040 tons	90730067
Becker (John), 1904-1907	8,912 tons	
Peoples Fuel Company, 1907-1910	<u>15,867 tons</u>	
	26,819 tons	
Wilson (G. I.), 1903-1905, shaft or drift, Herrin, 30, 4.0, RP	460 tons	90730068
Martin (George), 1904-1907, drift, Herrin, —, 4.0, RP	1,642 tons	90730070
Tharp (Sam) & Company, 1905-1906, slope, Herrin, 12-28, 4.0, RP	500 tons	90730071
Thorp, Groy & Lamb, 1906-1907	880 tons	
Tharp & Groy, 1907-1908	<u>500 tons</u>	
	1,880 tons	
Finch (H. C.), 1905-1910, slope, Herrin, 12-20, 4.0, RP	1,385 tons	90730072
Kimmerling (Ed), 1905-1906, slope or shaft, Herrin, 18-30, 4.0, RP	220 tons	90730073
Kemerling (James), 1906-1913	<u>5,290 tons</u>	
	5,510 tons	
Barlow (E. S.), 1906-1912, shaft, Herrin, 28-70, 4.0, RP	16,478 tons	90730074
Todd (Ralph), 1906-1910, shaft, Herrin, 25-74, 4.0, RP	8,005 tons	90730075
Todd Brothers, 1910-1913	<u>5,350 tons</u>	
	13,355 tons	
Mahler (G. W.), 1907-1908, slope, Herrin, 30, 4.0, RP	160 tons	90730076
Grice Coal Company, 1911-1913, slope, Herrin, 45-130, 4.0, RP	10,862 tons	90730078
Grice (Albert), 1913-1915	10,634 tons	
Grice Coal Company, 1915-1916	4,029 tons	
Grice, Jameson & Jackson, 1916-1917	5,656 tons	
Ratcliff & Grise, 1917-1918	<u>4,635 tons</u>	
	35,816 tons	
Lockuck, 1881-1882, slope, Colchester, 3.0	1,000 tons	90730089
Galligan (M.), 1879-1880, drift, Herrin, —, 4.0	200 tons	90730094
Carter (J.), pre1879-1880, slope, Herrin, 20, 4.0	200 tons	90730095
Frances (C.), pre1879-1880, slope, Herrin, 30, 4.0	200 tons	90730096
Yates (Hugh), pre1879-1880, drift, Herrin, —, 4.0	250 tons	90730097
Whitehouse (Thomas), 1879-1880, drift, Herrin, —, 4.0	250 tons	90730098

Hodgell (J.), 1879-1880, slope, Herrin, 20, 4.0	1,000 tons	90730100
Moore (J.), 1879-1880, slope, Herrin, —, 4.0	1,200 tons	90730101
Binx (William), 1879-1880, slope, Herrin, 40, 4.0 (2 acres mined)	idle	90730109
Bates Brothers, 1926-1926	2,941 tons	90730180
Rock River Coal Company, 1918-1919	2,500 tons	90730181
Groy (Ernest), 1912-1914, shaft or slope, Herrin, 40-51, 4.33, RP	2,084 tons	90730182
Ratcliffe (Arthur), No. 4 Mine, 1919-1923	8,443 tons	90730183
Ratcliffe (Arthur), No. 5 Mine, 1919-1923	9,160 tons	90730184
Ratcliffe (Arthur), No. 3 Mine, 1919-1921	4,863 tons	90730185
Ratcliffe (Arthur), No. 2 Mine, 1918-1921	7,532 tons	90730186
Ratcliffe Coal Company, No. 2 Mine, 1928-1928	275 tons	90730186
Gray Brothers & Soderlund, 1917-1919	679 tons	90730188
Ahlgren (Emil), 1918-1920	1,650 tons	90730189
Reiff (Jacob, Sr.), 1920-1921	137 tons	90730191
Star Coal Company, 1920-1922	2,676 tons	90730194
Henry (Herman), 1922-1923	4,386 tons	
Heinrich (Herman), 1923-1924	2,698 tons	
Star Coal Company, 1924-1925	1,470 tons	
Bryner & Heinrich, 1926-1926	612 tons	
Henry & Hayes, 1927-1927	<u>1,658</u> tons	
	13,500 tons	
may be an extension of mine index 2420, Henry Coal Company		
Ratcliffe (Arthur), No. 6 Mine, 1922-1924	11,025 tons	90730195
Gray Brothers & Pettitt, 1922-1923	1,200 tons	90730196
Gray Brothers, 1923-1925	<u>2,095</u> tons	
	3,295 tons	
Melvin (John), 1922-1923	517 tons	90730197
Melvin (J.) & Matson, 1923-1924	<u>196</u> tons	
	713 tons	
Ratcliffe (Arthur), No. 7 Mine, 1923-1927	27,104 tons	90730199
King, Carlson & Mason, 1923-1924	356 tons	90730200
King & Mason, 1924-1925	25,395 tons	
Mason (George W.), 1926-1926	<u>2,156</u> tons	
	27,907 tons	
Morey (E. C.), 1923-1925	4,182 tons	90730201
Huffman Brothers, 1924-1925	574 tons	90730202
Huffman (Abram), 1926-1926	<u>322</u> tons	
	896 tons	
Zisko (Bert), 1924-1925	495 tons	90730203
Wichenich (Michael), 1925-1928	6,126 tons	90730204
Ripka (Ed), 1925-1928	4,218 tons	90730205

North End Coal Company, 1930-1931, underground	2,314 tons	90730206
Mason (George W.), 1931-1932, underground	4,643 tons	90730207
Reiff (Albert), 1932-1933, underground	5,306 tons	90730208
North East Coal Company, 1934-1936	<u>4,507 tons</u> 9,813 tons	
Simantis Brothers, 1933-1933, underground	3,478 tons	90730209
Hayes & Allison, 1934-1934, underground	129 tons	90730211
Mud Creek Cooperative Coal Company, 1934-1935, underground	1,065 tons	90730212
Toteno Coal Company, 1934-1935, underground	499 tons	90730213
Kewanee Coal Company, 1935-1935, underground	305 tons	90730214
Ratcliffe (Arthur), No. 1 Mine, 1917-1921	21,845 tons	90730216
Ratcliffe Coal Company, No. 1 Mine, 1928-1928, underground	1,762 tons	90730217
Ratcliffe (James), 1929-1930	6,907 tons	
Ratcliffe Coal Company, No. 1 Mine, 1931-1932	<u>5,705 tons</u> 14,374 tons	
TOULON (Stark County)		
Cross (Harvey), 1884-1886, drift, Herrin, 40, 3.5-4.0, RP	588 tons	

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Tharp (Lamb & Tharp)	16
Tharp (Sam) & Company	17
Tharp & Groy	17
Thorp, Groy & Lamb	17
Tibbetts & McMullen	16
Tibbetts, McMullen & Henry	16
Todd (Atkinson & Todd)	15
Todd (Ralph)	16, 17
Todd Brothers	17
Toteno Coal Company	19
Tucker (Martin & Tucker)	14
Tucker (Nathaniel)	14
Walker, Corkill & Company	13
Whitehouse (Thomas)	17
Wichenich (Michael)	18
Wilson (G. I.)	17
Wilson (Maloen & Wilson)	17
Yates (Hugh)	17
Zisko (Bert)	18

