

Coal Mines in Illinois
Steeleville Quadrangle
Randolph County, Illinois

Herrin Coal

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

Mining Method

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

Other Areas Depicted

- Non-Coal Mines

Source of Mine Outline

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

Tipple, Shaft, Slope, Drift Locations

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

Other Points Depicted

- Non-Coal Mines

Mine Annotation
(space permitting)

Company
Mine Name
ISGS Index No., Years of Operation

Location



Disclaimer

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

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

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

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

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

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Prairie Research Institute
Illinois State Geological Survey
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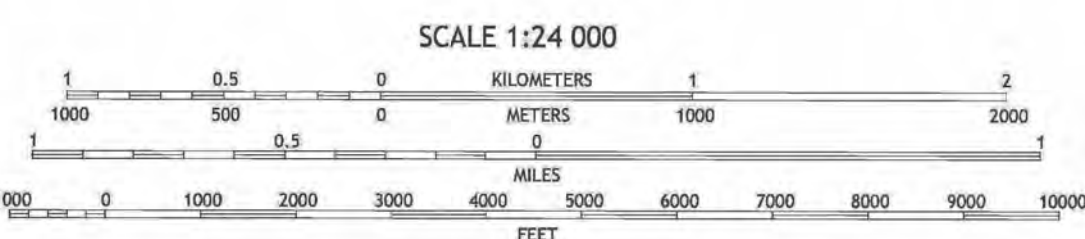
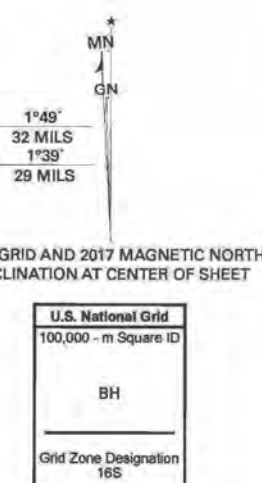
Mine Outlines Compiled by
Jennifer M. Obrad

December 13, 2011

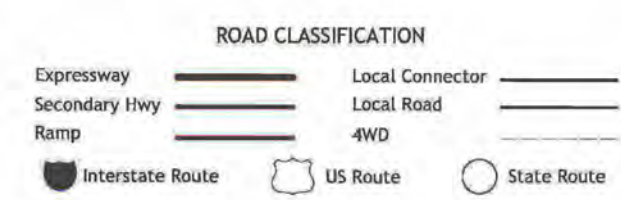
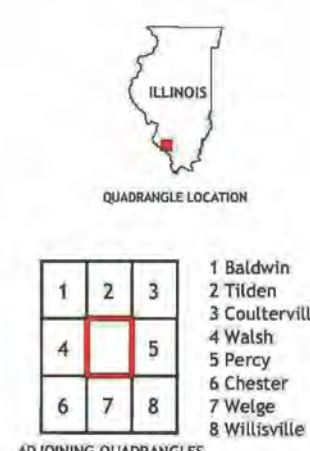
Revised:
07-16-2012
Alan R. Myers 01-31-2024

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North American Datum of 1983 (NAD83)
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Imagery.....NAP, July 2015 - October 2015
Roads.....U.S. Census Bureau, 2017
Names.....GNIS, 1980 - 2016
Hydrography.....National Hydrography Dataset, 2002 - 2016
Contourlines.....National Elevation Dataset, 2008 - 2012
Boundaries.....Multiple sources; see metadata file 2014 - 2016
Public Land Survey System.....BLM, 2017
Wetlands.....FWS National Wetlands Inventory, 1981



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
This map was produced to conform with the
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A metadata file associated with this product is draft version 0.6.18



STEELEVILLE, IL
2018

Coal Mines in Illinois
Steeleville Quadrangle
Randolph County, Illinois

Springfield & Colchester Coals

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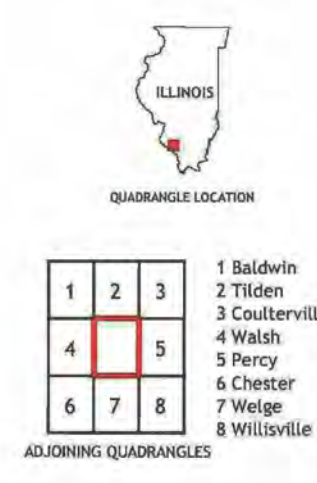
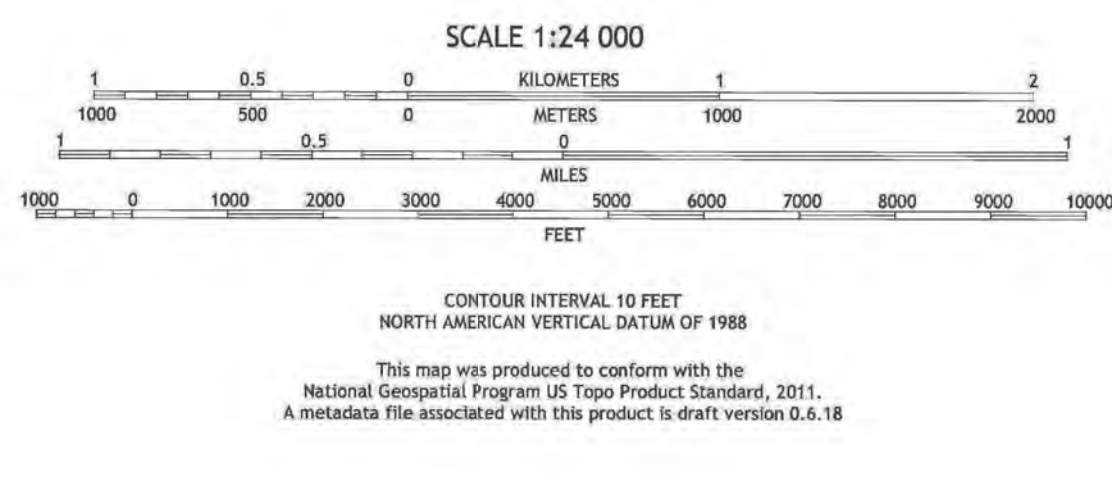
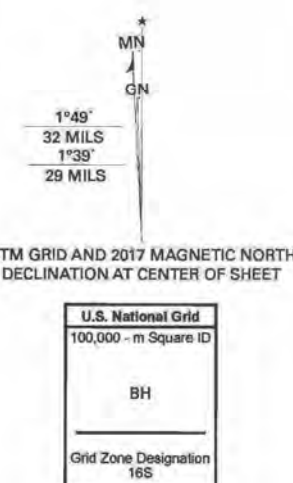
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Wetlands.....FWS National Wetlands Inventory, 1981



DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES STEELEVILLE QUADRANGLE RANDOLPH COUNTY

Jennifer M. Obrad & C. Chenoweth



2011, Updated 2024

Prairie Research Institute
William W. Shilts, Executive Director
ILLINOIS STATE GEOLOGICAL SURVEY
E. Donald McKay III, Director

Natural Resources Building
615 East Peabody Drive
Champaign, Illinois 61820

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



This material is based upon work supported by the Illinois Mine Subsidence Insurance Fund. 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 Mine Subsidence Insurance Fund.

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

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

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

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INTRODUCTION

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

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

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

MINING IN THE STEELEVILLE QUADRANGLE

Mining began near Sparta (16-T5S-R6W) about 1840, with the opening of the Ritchey Mine, which was later known as the Rozier Miner. The Herrin Coal was 6 feet thick, with a 4 feet thick limestone making the roof. John B. Wilson opened his mine in 1857 in 17-T5S-R6W, and later also operated the Rozier Mine.

The Herrin Coal was mined in the northern and eastern parts of the quadrangle. Where the Herrin was eroded away, the Springfield and Colchester Coals were mined. Most of the coal was accessed through underground mines. The surface mining that took place here expanded from adjacent quadrangles where conditions were more suitable.

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.

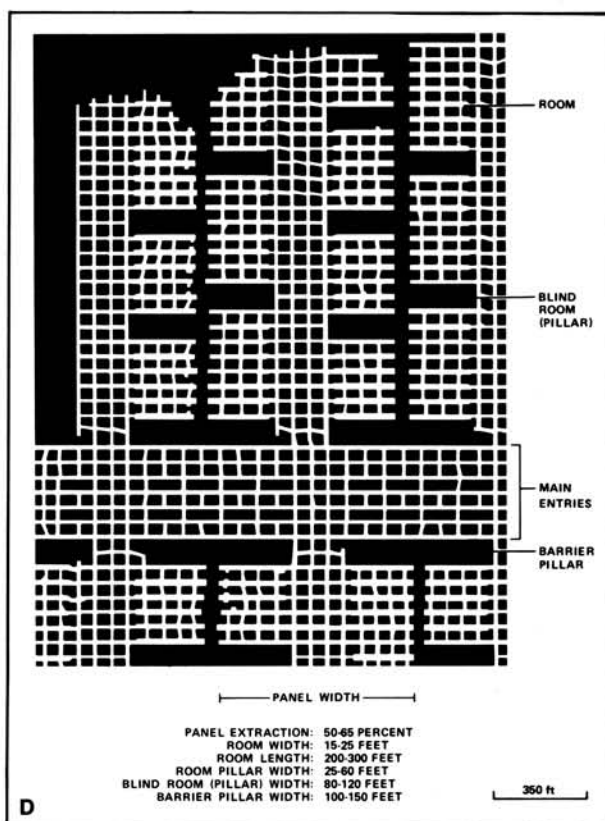
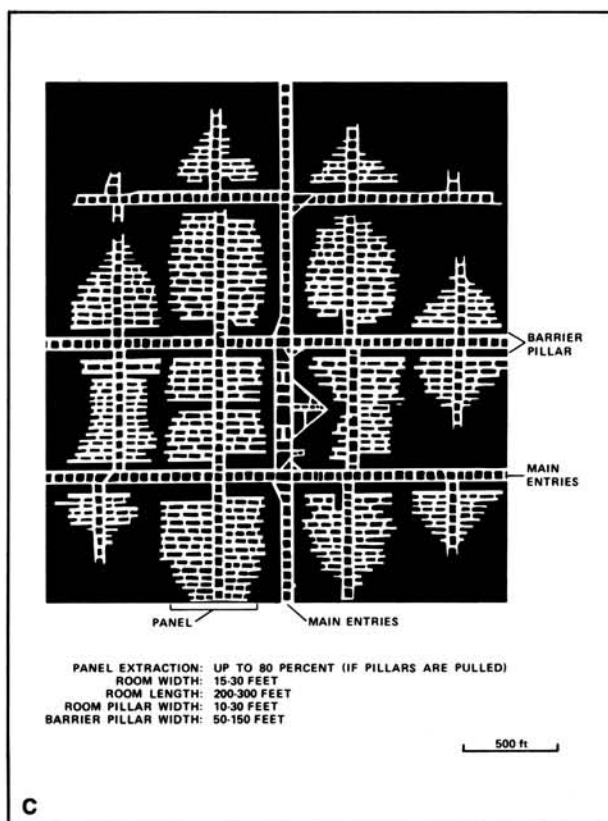
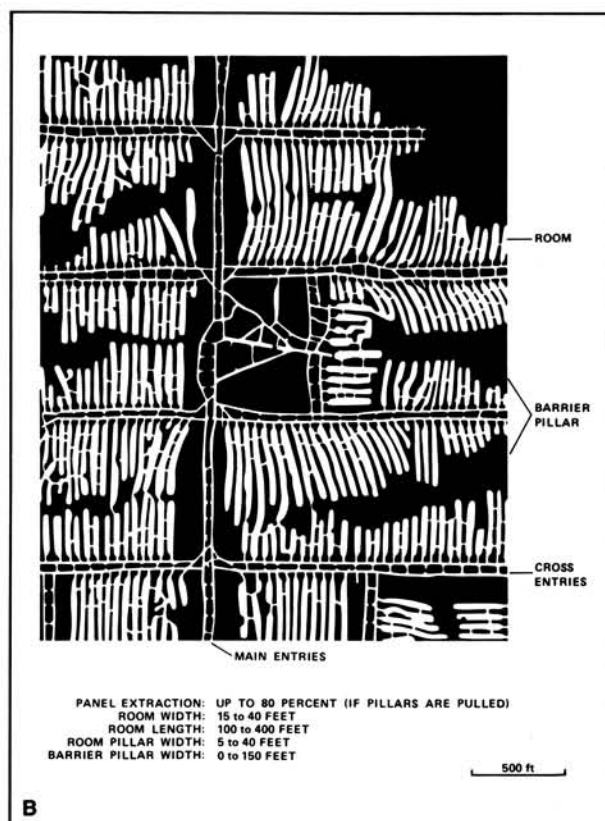
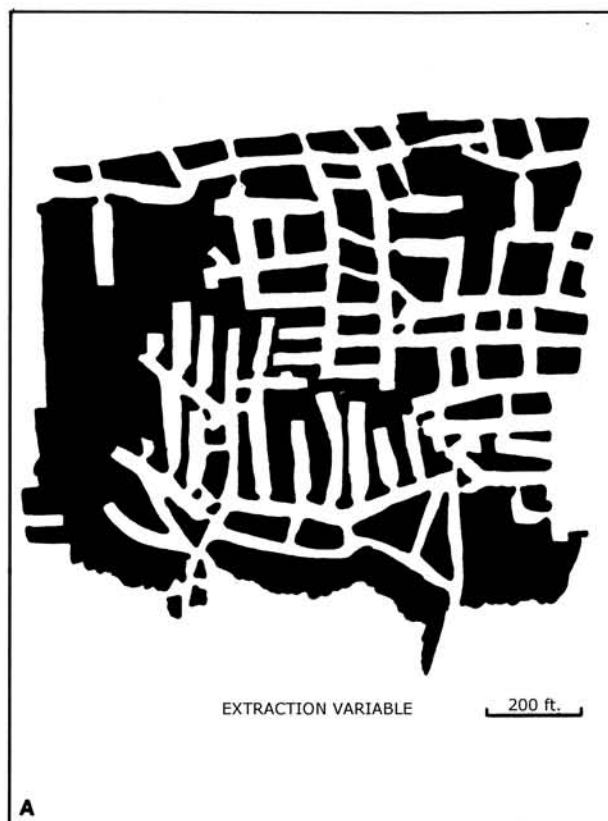


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).

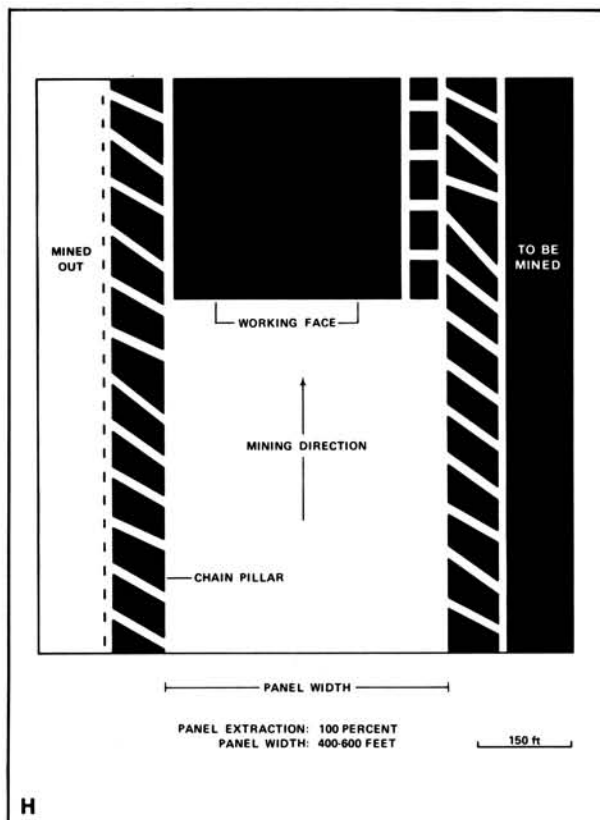
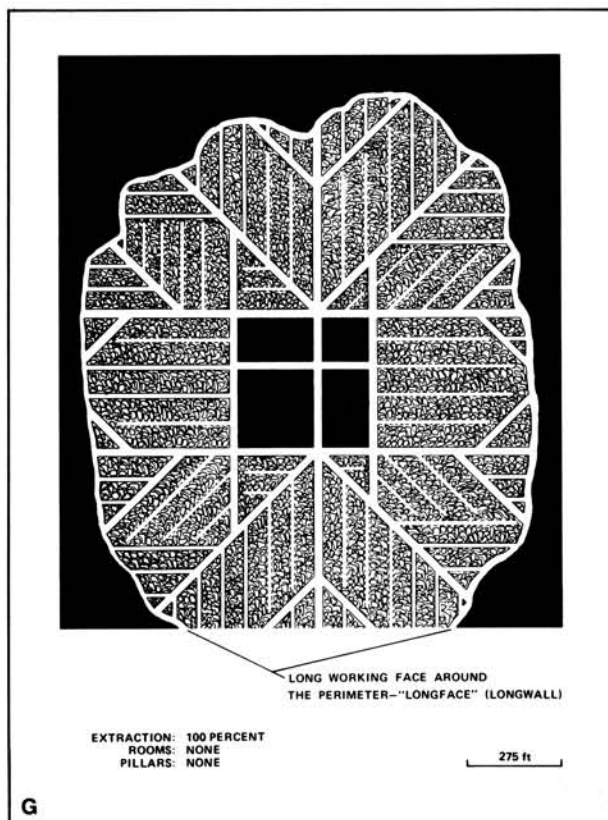
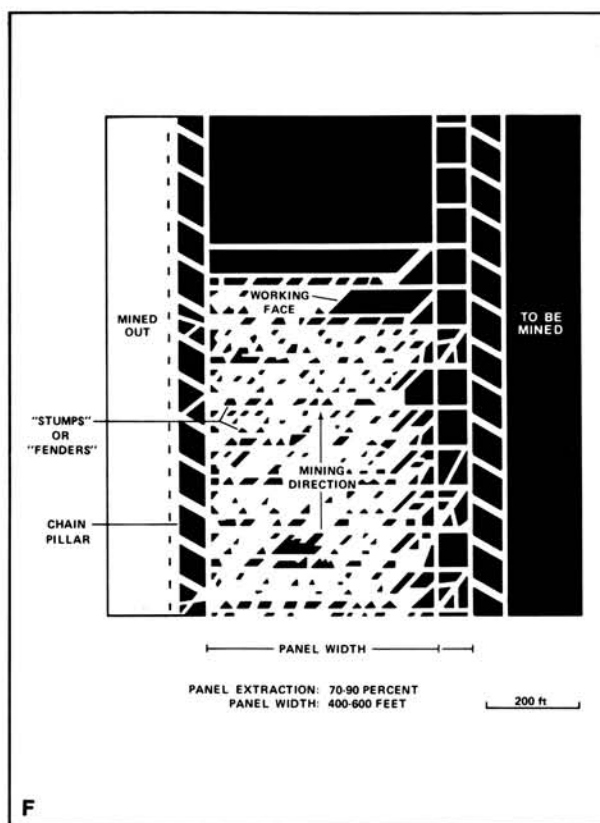
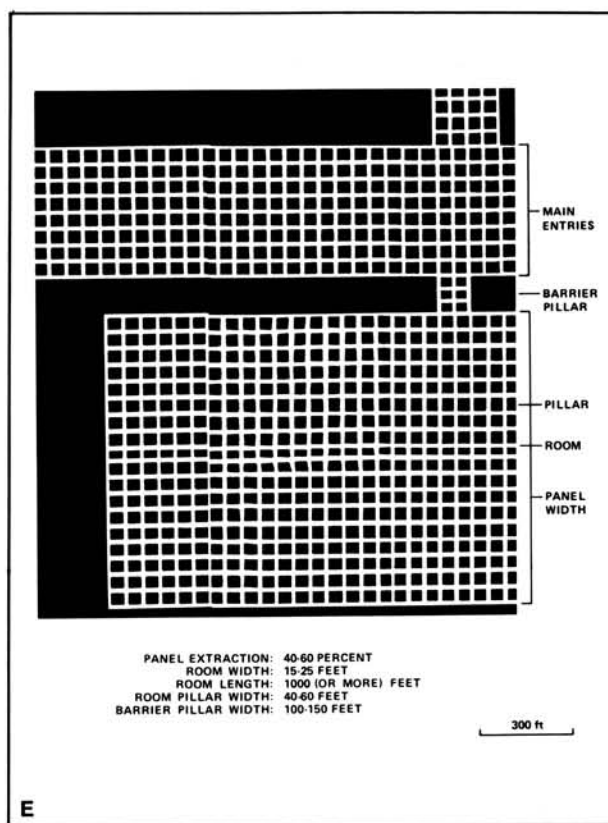


Figure 1 (cont.) Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall

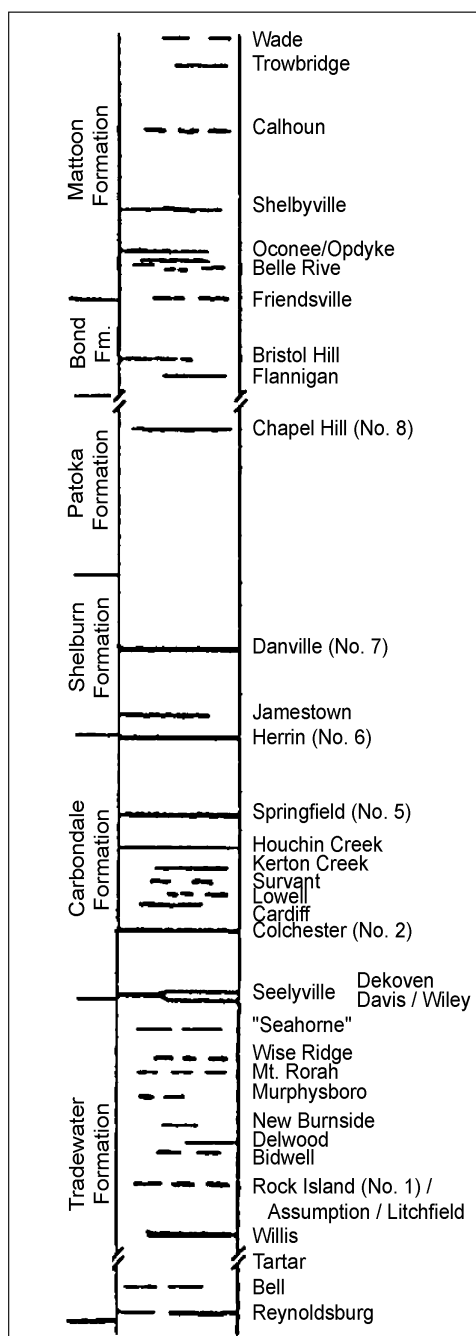


Figure 2 Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

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.

Brink, W. R. & Co., publishers, 1875, An Illustrated Historical Atlas Map of Randolph County, Illinois, Philadelphia, 102p.

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.

McDonough, J. L. & Co., publisher, 1883, History of Randolph, Monroe, and Perry Counties, Illinois, Philadelphia, 512p.

Ogle, G. A. & Co., publisher, 1901, Standard Atlas of Randolph County, Illinois, Chicago, 94p.

Ogle, G. A. & Co., publisher, 1919, Standard Atlas of Randolph County, Illinois, Chicago, 101p.

Union Atlas Company, 1876, Atlas of the State of Illinois with various general maps, history, statistics and illustrations, Warner & Beers, Chicago.

PART II DIRECTORY OF MINES IN THE STEELEVILLE QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Steeleville 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 83

Moffat Coal Company, Moffat No. 1 Mine

Type: Underground Total mined-out acreage shown: 1,549

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (8 x 16 ft)	Randolph	5S 5W	8	SE SE NW
Air shaft	Randolph	5S 5W	8	SE SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	130	4.5	6.5	5.25	RPP

Geologic Problems Reported: The roof was composed of up to 3 feet of black shale with limestone above. The coal was thicker where the black shale was present. In some areas, up to 5 feet of shaley clod made up the roof. This white top clod came down more readily in north-south entries than in the east-west entries. At least one room had a roof of very calcareous black shale with the lower 12 inches containing large concretions. The coal usually varied both in thickness and quality with the character of the roof. The coal was generally 2 to 3 inches thinner under the black shale than under white top, and about 6 inches thinner under limestone than under black shale. The coal with limestone roof was also the dirtiest. Some small slips and rolls were found in parts of the mine. The coal contained shale bands, lenses of bone coal, and charcoal bands. The blue band was ½ to 1 inch of carbonaceous shale that was 6 to 9 inches above the floor. Calcite and pyrite were present on facings. The underclay, which averaged 4 feet thick, heaved badly when wet.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Moffat Coal Company	Moffat No. 1	1902-1939	<u>7,859,487</u> 7,859,487

Last reported production: June 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353342	7-1-1940	1:2400	1:5297	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 353342, reel 03142, frames 326-332 - Shaft locations, mine outline, mining method.

Mine Index 209
Sparta Coal & Mining Company, Sparta No. 4 Mine

Type: Underground Total mined-out acreage shown: 553 Production indicates approximately 45 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (7 x 14 ft)	Randolph	5S 5W	16	NE NE NW
Air shaft	Randolph	5S 5W	9	SW SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	80	4.5	6.5	5.0	MRP

Geologic Problems Reported: The cap rock was limestone that averaged 5 feet thick. The limestone was reported to range up to 20 feet thick, but pinched out in the northern and eastern parts of the mine. The immediate roof above the coal was generally 1.5 to 4 feet of shale, with lenses of draw slate up to 1 foot thick between the shale and coal. In one part of the mine, coal balls were numerous and were usually taken down. Some slips were noted, but they did not contribute to roof problems. On the eastern side of the mine, a pre-glacial valley was encountered, where the coal was eroded or not deposited. The blue band was persistent throughout the mine. Other impurities in the coal included pyrite, clay, and charcoal. The underclay averaged 18 inches thick and heaved readily, even in newly opened parts of the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Illinois Fuel Company	Illinois Fuel No. 4	1901-1924	2,693,209
Wall Coal & Mining Company	Wall No. 4	1924-1926	485,843
Sparta Coal & Mining Company	Sparta No. 4	1927-1929	244,395 *
			3,423,447

* Production after map date

Last reported production: March 1929

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1031	4-1927	1:2400	1:1800	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Mine type, shaft location & size, seam, depth, thickness, geologic problems.
 State archive, IL_1031, courtesy of Robert Gibson, IDNR - Shaft locations, mine outline, mining method.

Mine Index 300**Gulf Fuel & Mining Company, Willis No. 7 Mine**

Type: Underground Total mined-out acreage shown: 565 Production indicates approximately 70 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 5W	8	SE NW NW
Air shaft	Randolph	5S 5W	8	SE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	150			6.25	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Valley & Gulf Coal Company	Eden	1888-1897	301,286
Hugh Murray	Eden	1897-1898	36,184
Western Anthracite Coal & Coke Company	Eden	1898-1905 *	943,306
Eden Coal Company	Eden	1905-1906	31,243
Wilson Brothers Coal Company	Eden No. 7	1906-1917 **	653,977
Willis Coal & Mining Company	Willis No. 7	1917-1923	584,240
Willis Coal & Mining Company	Willis No. 7	1924-1934 ***	316,260 †
Gulf Fuel & Mining Company	Willis No. 7	1935-1935	3,800 †
			2,870,296

* Idle 1905

** Idle 1915

*** Idle 1928-1934

† Production after map date

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353337	12-1923	1:2400	1:4303	Not final

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Randolph County) - Shaft location, depth, thickness.

Microfilm map, document 353337, reel 03142, frames 317-320 - Shaft locations, mine outline, mining method.

Mine Index 337
Edward Jones & Sons, Purity Mine

Type: Underground Total mined-out acreage shown: 10

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	35	NW NW NW
Air shaft	Randolph	5S 6W	35	NW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	40	4.1	5.2	5.0	RPB

Geologic Problems Reported: One northwest-trending fault was noted, with up to 1 foot vertical displacement. The roof was limestone up to 20 feet thick or up to 1 foot of black shale with coal balls. Some slips were noted on the eastern side of the mine. The coal seam was very regular, with no horsebacks. An irregular pyrite band was sometimes present about 1 foot above the bottom of the coal. The underclay was 3 feet thick or more, but did not heave even when under water. The source map showed several caved areas in the southeastern part of the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Edward Jones & Sons *	Purity	1910-1925	30,279 30,279

* According to the mine notes, the company was also known as Stanway Coal Company. According to the map, the company was known as Purity Coal Company.

Last reported production: 1925

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_360	7-25-1930	1:1200	1:895	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Mine type, shaft location, seam, depth, thickness, geologic problems.
 State archive, MSHA_360, courtesy Robert Gibson, IDNR - Shaft locations, mine outline, mining method, geologic problems.

Mine Index 613**Gulf, Mobile & Ohio Railroad, Dodd Mine**

Type: Underground Total mined-out acreage shown: 160

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	1	NW SE SW
Air shaft (6 x 8 feet)	Randolph	5S 6W	1	NW SW NE
Air shaft *	Randolph	5S 6W	1	NE SE NW

* A microfilm image of a 1938 map shows a "Fan" and what looks like a shaft symbol. The text and symbol were not transferred to the 1944 map base, and the rooms and pillars in the vicinity are shown with a dashed line, indicating the surveying engineer did not enter or survey that part of the mine, but traced it from an earlier version of the map. The area is quite near the area labeled "Bad Top" on the 1944 source map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	96-115	5.5	6.5	5.67	MRP

Geologic Problems Reported: The source map showed an area of bad top that limited expansion. This area was in E ½ NW 1-T5S-R6W. The roof consisted of about 6 feet of limestone above an immediate roof of black shale, draw slate and white top. The draw slate was up to 13 inches thick and was present over one-third of the mine. The material between the coal and limestone varied from 1 inch to 5 feet; in no part of the mine was the limestone observed resting directly on the coal. A few slips were reported, with pyrite and clay in the slip planes. The blue band was 1.0 to 2.0 inches thick, about 4 inches above the floor. The underclay was soft and varied from 6 to 24 inches thick. No heaving was reported.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
George Wilson	Boyd	1915-1931 **	91,647
Ill-Mo Coal Company	Boyd	1932-1941	137,614
Gulf, Mobile & Ohio Railroad	Dodd	1941-1944	488,729
			1,121,593

** Mines producing less than 1,000 tons per year in 1930 & 1931 were not reported. Production is not known for 1930 and 1931.

Last reported production: July 1944

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353339	9-25-1944	1:2400	1:3972	Final
Microfilm, document 353344	4-1938	1:1200	1:2565	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 353339, reel 03142, frames 322 & 323 - Shaft location, mine outline, mining method, geologic problems.

Microfilm map, document 353344, reel 03142, frame 334 - Air shaft location.

Mine Index 701
Old Ben Coal Company, Spartan Mine

Type: Underground Total mined-out acreage shown: 7,197

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Hoist slope	Randolph	4S 5W	21	NE SE SE
Materials slope	Randolph	4S 5W	21	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	200-203			6.0-6.75	RPP

Geologic Problems Reported: The roof was generally up to 4 feet of black Anna Shale topped by clod and limestone. Joints were common in the Anna Shale, and the shale broke along the joint surfaces and fell. In some places, the roof was nodular limestone that slabbed off in thicknesses of a foot or more along shaley partings and did not make a competent roof. Generally, the limestone was more solid in the eastern portion of the mine than in the western part. In some areas, the roof was gray shale, which sometimes contained coal balls in the upper part of the seam. Pyrite was present in the coal along fracture faces, in thin bands, and mixed in the durain bands. Squeezing took place before 1974. In some areas, 2 feet of upheaval was noted, but a mine examiner reported that in some areas, the squeezing was all the way to the roof. This caused the pillars to crack.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Midwest Utilities Coal Corporation	Bradbury	1952-1957	2,165,914
Zeigler Coal & Coke Company	Spartan	1957-1970	11,310,966
Zeigler Coal Company	Spartan No. 2	1971-1991 *	15,399,408
Old Ben Coal Company	Spartan	1992-1997	9,079,821
			<u>37,956,109</u>

* Idle 1983 & 1984

Last reported production: November 21, 1997

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, Coal Section files	4-24-1998	1:4800	1:4800	Final

Annotated Bibliography (data source, brief description of information)

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

Mine Index 872
Southwestern Illinois Coal Corporation, Streamline Mine

Type: Surface Total mined-out acreage shown: 6,367

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Randolph	6S 5W	23, 24	
Pit	Randolph	6S 5W	25, 36	
Pit	Randolph	6S 5W	15	

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	38-83			5.5-6.0	Surface
Springfield	87-135			3.0-5.0	Surface

Geologic Problems Reported: Thin shale bands were seen in the coal. Pyrite was present as thin lenses. In NE NW 14-T6S-R5W, the interval between the Herrin and Springfield Coals was 15 to 20 feet and consisted of 4 to 6 feet of shale and underclay and 8 to 10 feet of limestone.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Southwestern Illinois Coal Corporation	Streamline	1936-1983	<u>53,450,027</u> 53,450,027

Last reported production: May 1983

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
USGS digital orthophoto map	2004	1:6000	1:6000	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 (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Mine type, mine location, seam, depth, thickness.
 ISGS field notes (G. H. Cady & G. Wilson, 1-5-1944) - Geologic problems.
 USGS digital orthophoto map, Willisville Quadrangle, 2004 - Mine outline.
 Company map, Coal Section files, 1-32-25 - Verify pit identification.
 Company map, Coal Section files, 6-252 L - Verify pit identification.
 Company map, ISGS map library, 4103.P42 i5.1-62 - Verify pit identification.

Mine Index 930
Consolidation Coal Company, Burning Star No. 3 Mine

Type: Surface Total mined-out acreage shown: 3,562

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple or pit	Randolph	5S 6W	9	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	25-30 *			5.75	Surface
Springfield	20-30			4.67	Surface

* The pits near the tipple and to the north had Herrin Coal, while pits south of the tipple mined only Springfield Coal.

Geologic Problems Reported: A number of small underground mines in SE 22-T5S-R6W were mined through. These underground mines were 18 to 25 feet deep. The roof over the Herrin Coal had a sharp contact with the coal. The Herrin Coal had a lot of white calcite on the cleats and vertical fracture facings and pyrite in small veinlets and small lenses. The overburden on the Springfield Coal included 5 feet of limestone above 18 inches of fissile carbonaceous black shale. The Springfield Coal had a lot of visible pyrite in the form of finely crystalline cleat fillings and thick pyrite lenses and band up to 2 inches thick. The pyrite lenses and bands were especially noticeable about 20 inches above the base of the coal. The Springfield Coal had a sulfur content of about 3.5%. The sulfur content of the Herrin Coal was about 3%.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Truax Traer Coal Company	Burning Star No. 3	1966-1970	7,550,740
Consolidation Coal Company	Burning Star No. 3	1971-1982	13,317,078 **
			20,867,818

** Table 10 of the 1982 Coal Report listed 791,501 tons production for Burning Star No. 3, while Table 13 (Physical and Mechanical Characteristics of Shipping Mines) showed 1982 production was 792,067 tons. The Production of All Mines, Table 10, value was used for this tally. If the Table 13 value is the correct value, total production would be 20,868,384 tons.

Last reported production: 1982

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, Coal Section files, 6-403	9-1982	1:11842	1:11842	Final
USGS topographic map, Walsh	1970, PR 1982	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 (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Mine type, seam, depth, thickness, geologic problems.
 Company map, Coal Section files, 6-403 - Mine location, mine outline, mining method.
 USGS 7.5-minute topographic map, Walsh Quadrangle, 1970, photorevised 1982 - Mine outline.

Mine Index 946
Southern Illinois Minerals, Sparta No. 6 Mine

Type: Surface Total mined-out acreage shown: 150

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Randolph	5S 5W	16	SW SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	20-40			5.0-6.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Ritter Coal Company	Red Fox No. 3	1953-1963	236,344
Eden Mining Corporation	Red Fox No. 3	1963-1966	442,971
R. & N. Mining Company	Red Fox No. 3	1966-1966 *	1,800
Duke Mining & Machinery Company	Red Fox	1970-1974 *	not reported
Pryor Mountain Construction & Machinery	Harger	1975-1975	62,921
Pine Ridge Coal Company	Harger	1976-1976	54,058
Southern Illinois Minerals Corporation **	Sparta No. 6	1977-1977	<u>22,367</u>
			820,461

* Idle 1967-1969

** Also known as SIMCO

Last reported production: 1977

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files, 7a-01-27	circa 1985	1:7454	1:7454	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Randolph County) - Mine location, depth.

Coal Section files, 7a-01-27, aerial photograph used by IDNR - Mine outline, mining method.

Mine Index 968
Peabody Midwest Mining, Gateway Mine

Type: Underground Total mined-out acreage shown: 13,062

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Randolph	4S 5W	26	NE SW NE
Man & materials shaft	Randolph	4S 5W	26	NE SE NE
Air shaft	Randolph	4S 5W	26	SW SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	200-265			6.2-7.0	CRP

Geologic Problems Reported: Mining was stopped on the east and southeast sides by the Anvil Rock Channel.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Zeigler Coal Company	Zeigler No. 11	1976-1991	14,895,818
Old Ben Coal Company	Zeigler No. 11	1992-2003 *	22,158,865
Coulterville Coal Company	Gateway	2004-2006	4,721,378
Black Beauty Coal Company	Gateway	2007-2010	12,439,105
Peabody Midwest Mining	Gateway	2011-2015	<u>12,537,603</u>
			66,752,769

* Idle 1996

Last reported production: 2015

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 6-461N	3-29-2016	1:6000	1:6000	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness.
 Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
 Company map, Coal Section files, 6-461N - Slope & shaft locations, mine outline, mining method, geologic problems.

Mine Index 1049**Knight Hawk Coal, LLC, Hawkeye Mine**

Type: Surface Total mined-out acreage shown: 220

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Randolph	5S 6W	24	SW SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	35-80			3.5	Surface

Geologic Problems Reported: Geologic problems are not reported for active mines.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Knight Hawk Coal, LLC	Hawkeye	2011-	2,452,667 *
			2,452,667

* Production is reported through 2022, the most recent available Coal Report.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
NAIP digital ortho-photo quadrangle	8-2-2019	1:6000	1:6000	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 (Randolph County) - Mine names, mine index, ownership, years of operation.

National Agriculture Imagery Program map - Mine outline.

Mine Index 3183
Thomas A. Dobbins, Dobbins Mine

Type: Underground Total mined-out acreage shown: 6

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft *	Randolph	5S 5W	8	NE NE NE
Air shaft	Randolph	5S 5W	8	NE NE NE

* There was no escape shaft. The 1884 Coal Report included a paragraph about most mines. The paragraph on the Dobbins Mine indicated that the mine would have to be shut down if several unsafe conditions were not remedied.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	150-160			6.0	MRP

Geologic Problems Reported: The mine apparently closed because of an unwillingness or lack of ability to put in necessary safety enhancements, including an escape shaft and a rope stronger than hemp for the hoisting shaft. The traveling ways were also too narrow.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Martin & Company	Old Adams **	pre1875-1879 **	2,163 **
Eden Coal Company ***	Eden	1881-1882	240
Thomas A. Dobbins	Dobbins	1882-1885	3,900
			6,303

** Production and years of operation before 1878 are not known. The 1879 Coal Report indicated 5 acres were mined. The mine was included on the 1875 atlas on land owned by W. T. Wylie. The shaft was labeled on the WPA map as the Old Adams Mine.

*** Owned by Henry Martin

Last reported production: 1885

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353337	12-1923	1:2400	1:4303	Secondary source

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 (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Shaft location.
 Microfilm map, document 353337, reel 03142, frames 317-320, map of Willis No. 7 Mine (mine index 300) - Shaft locations, mine outline, mining method.
 WPA map, T5S-R5W - Mine identification.
 Atlas Map of Randolph County, 1875 - Years of operation.

Mine Index 3193
Moffat Coal Company, Moffat No. 2 Mine

Type: Underground Total mined-out acreage shown: 2,002

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Randolph	5S 5W	4	NE SW SE
Man & material slope	Randolph	5S 5W	4	NE SW SE
Air shaft	Randolph	5S 5W	4	NW SE SE
Air shaft	Randolph	5S 5W	4	SW SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	88-100			6.0-6.5	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Moffat Coal Company	Moffat No. 2	1939-1956	<u>9,224,668</u> 9,224,668

Last reported production: February 28, 1956

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353366	2-28-1956	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 (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Mine type, slope location, seam.
 Microfilm map, document 353366, reel 03142, frames 368-371 - Slope & shaft locations, mine outline, mining method.

Mine Index 3197**Illinois Fuel Company, Illinois Fuel No. 2 Mine**

Type: Underground Total mined-out acreage shown: 21 The outline shown on the accompanying map is smaller than expected for the reported production. Production indicates approximately 50 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 5W	22	NW NW SW
Shaft	Randolph	5S 5W	22	NW NW SW *

* The shaft was shown on the land of A. Gillis in the 1875 Atlas of Randolph County. The mining operations may not be directly connected underground to the Randolph Coal & Mining Company operations in 1883.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)		Mining Method
		Min	Max	
Herrin	22-40		5.0-6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Randolph Coal & Mining Company	Randolph	1883-1884 **	646
Roseborough & Moffat	Roseborough & Moffat	1884-1889	50,212
Roseborough Coal & Manufacturing Co.	Roseborough	1889-1894	71,645
R. H. Roseborough Coal & Coke Company	Roseborough	1894-1895	22,931
Randolph Coal & Coke Company	Randolph No. 2	1895-1897	35,200
Illinois Fuel & Power Company	Illinois Fuel No. 2	1897-1900	43,290
Illinois Fuel Company	Illinois Fuel No. 2	1900-1901	<u>8,642</u>
			232,566

** Mining may have taken place as early as 1875. Production, ownership, and years of operation before July 1881 are not known.

Last reported production: 1901

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Federal Land Bank Report	7-1934	1:126720	1:126720	Secondary source
Standard Atlas of Randolph County	1901	1:31680	1:31680	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.
 Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Mine type, shaft location, seam, depth, thickness.
 Federal Land Bank Report (Randolph County) - Mine outline.
 Standard Atlas of Randolph County, 1901 - Shaft location.
 Atlas of Randolph County, 1875 - Shaft location.

Mine Index 3199**Roseborough Coal Company, Roseborough No. 1 Mine**

Type: Underground Total mined-out acreage shown: None; production indicates approximately 95 acres were mined, including additional acreage from the years before production was recorded.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 5W	21	NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	20			5.0-6.0	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Robert H. Roseborough	Roseborough	pre1878-1895 *	300,911
Randolph Coal & Coke Company	Randolph No. 1	1895-1897	21,508
Roseborough Coal Company	Roseborough No. 1	1897-1903	<u>163,855</u>
			486,274

* Production and years of operation before 1878 are not known, although the 1875 atlas indicates the mine was established prior to that year. The 1879 Coal Report indicates 5 acres were mined.

Last reported production: 1903

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Atlas Map of Randolph County	1875	1:31680	1:31680	Secondary source
Federal Land Bank Report	7-1934	1:126720	1:126720	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

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

ISGS field notes (Randolph County) - Thickness.

Atlas Map of Randolph County, 1875 - Shaft location.

Federal Land Bank Report (Randolph County) - Mine location.

Mine Index 3204**Davison & Fulton, Davison & Fulton No. 2 Mine**

Type: Underground Total mined-out acreage shown: None; production indicates approximately 12 acres were mined. The mine is within a 260 acre general mine outline that also encompasses Boyd Mine (mine index 3205, which was also Davison & Fulton No. 1 Mine). Although the mine outline is larger than the reported production of both mines, the 1875 atlas indicates mining took place before production was reported.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Shaft	Randolph	5S 6W	2	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	50			5.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Boyd Coal & Coke Company	Boyd No. 2	1896-1900	56,001
Davison & Fulton	Davison & Fulton No. 2	1900-1901	<u>5,320</u>
			61,321

Last reported production: 1901

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Standard Atlas of Randolph County	1901	1:31680	1:31680	Secondary source
Atlas Map of Randolph County	1875	1:31680	1:31680	Secondary source
Federal Land Bank Report	7-1934	1:126720	1:126720	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, thickness, mining method.
 Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Shaft location, seam, depth.
 Standard Atlas of Randolph County, 1901 - Shaft location.
 Atlas Map of Randolph County, 1875 - Shaft location.
 Federal Land Bank Report (Randolph County) - General area of mining.

Mine Index 3205
Boyd Coal Company, Boyd Mine

Type: Underground Total mined-out acreage shown: 260 Production indicates approximately 190 acres were mined. The mine is within a 260 acre general mine outline that also encompasses Davison & Fulton No. 2 Mine (mine index 3204). Although the mine outline is larger than the reported production of both mines, the 1875 atlas indicates mining took place before production was reported.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	2	SW SE SE
Air shaft	Randolph	5S 6W	1	NE SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Herrin	50			5.5-6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
David B. Boyd	Boyd	pre1866-1892 *	166,771
James Davison	Boyd	1892-1893	20,180
D. B. Boyd	Boyd	1893-1895	47,359
Boyd Coal & Coke Company	Boyd No. 1	1895-1900	245,522
Davison & Fulton	Davison & Fulton	1900-1903	84,396
Boyd Coal & Coke Company	Boyd	1903-1913	403,103
Boyd Coal Company	Boyd	1914-1915	500
			967,831

* Production and years of operation before 1866 are not known. The 1879 Coal Report indicated 10 acres were mined. The mine was idle in 1891.

Last reported production: 1915

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353339	9-25-1944	1:2400	1:3972	Secondary source
Microfilm, document 353344	4-1938	1:1200	1:2565	Secondary source
WPA, T5S-R6W	circa 1934	1:12000	1:63360	Secondary source
Federal Land Bank of St. Louis Report	circa 1935	1:12000	1:126720	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.
 Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Shaft location, seam, depth, thickness.
 Microfilm map, document 353339, reel 03142, frames 322 & 323, map of Dobbs Mine (mine index 613) - Mine outline (southern extent), air shaft location.
 Microfilm map, document 353344, reel 03142, frame 334, map of Dobbs Mine (mine index 613) - Mine outline (eastern and northeastern parts).
 WPA, T5S-R6W - Mine outline (western half).
 Federal Land Bank of St. Louis Report (Randolph County) - Mine outline (westernmost extent).
 Worthen, A. H., 1866, Geology [of Illinois], Volume I, State Journal Steam Press, Springfield, Illinois, 504p. - Years of operation (p. 283).

Mine Index 3215
John Roberts, Roberts 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 *	Randolph	5S 6W	22	SE NE SE

* Not shown on accompanying map because of later surface mining by Burning Star No. 3 Mine (mine index 930).

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	30			5.0	

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
John Roberts	Roberts	pre1875-1883 **	<u>2,000</u> ** 2,000

** The years of operation and production before 1878 are not known. The 1879 Coal Report indicates 4 acres were mined.

Last reported production: 1883

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Atlas Map of Randolph County	1875	1:31680	1:31680	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type.
 Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Shaft location, seam, depth, thickness.
 Atlas Map of Randolph County, 1875 - Shaft location.

Mine Index 3216
John McDill, McDill Mine

Type: Underground Total mined-out acreage shown: None; production indicates approximately 8 acres were mined. The mine symbol is not shown on the accompanying map because of later surface mining by Burning Star No. 3 Mine (mine index 930).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Randolph	5S 6W	23	SW NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	10-38			4.5-6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
George Stanway	Stanway	pre1878-1884 *	3,042
Stanway & Morris	Stanway & Morris	1884-1887	1,957
George Stanway	Stanway	1887-1904 **	25,518
John McDill	McDill	1904-1905	<u>2,960</u>
			33,477

* Production and years of operation before 1878 are not known. The 1879 Coal Report indicates 2 acres were mined.

** Idle 1904

Last reported production: 1905

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Atlas Map of Randolph County	1875	1:31680	1:9748	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Randolph County) - Slope location, seam, depth.

Atlas Map of Randolph County, 1875 - Slope location.

Mine Index 3217**Samuel Stevenson Coal Company, Stevenson Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft *	Randolph	5S 6W	26	NE NE NE

* The location of an air shaft was not apparent on the source map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	33-39			4.5-5.0	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Samuel Stevenson Coal Company	Stevenson	1929-1937 **	9,137
Samuel Stevenson Coal Company	Stevenson	1936-1937	1,500 ***
G. & B. Coal Company	G. & B.	1937-1937	450 ***
Barton & Gabriel	Barton & Gabriel	1937-1938	384 ***
Home Fire Coal Company	Home Fire	1938-1938	695 ***
Samuel Stevenson Coal Company	Stevenson	1939-1941	637 ***
			<u>12,803</u>

** Production was not reported from 1931 to 1933 for mines producing less than 1,000 tons per year.

*** Production after map date

Last reported production: 1941

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_1027	12-15-1936	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 (Randolph County) - Mine names, mine index, ownership, years of operation.

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

State archive, IL_1027, courtesy Robert Gibson, IDNR - Shaft location, mine outline, mining method.

Mine Index 3219
Blair Mining Company, Blair Mine

Type: Underground Total mined-out acreage shown: 36

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	27	SE SE SE
Air shaft	Randolph	5S 6W	27	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	26-30			4.83	MRP

Geologic Problems Reported: In some parts of the mine, limestone was the immediate roof. In other areas, 4 to 8 inches of shale was above the coal.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
John Gracie	Gracie	1922-1924	1,680
Blair Coal Company	Blair	1924-1939	74,109 *
Blair Mining Company	Blair	1940-1952	84,926
			160,715

* Production was less than 1,000 tons in 1930 and was not reported.

Last reported production: March 1953

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archives, IL_1022	4-15-1953	1:2400	1:1703	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Mine type, shaft location, seam, depth, thickness.
 ISGS field notes (Randolph County) - Geologic problems.
 State archive, IL_1022, courtesy Robert Gibson, IDNR - Shaft locations, mine outline, mining method.

Mine Index 3220**J. W. Wright, Wright Mine**

Type: Underground Total mined-out acreage shown: 10 The secondary source mine outline is similar to a general area of mining, but may contain other mined areas than Wright Mine. Production indicates less than 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	27	SE NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	50			6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
J. W. Wright	Wright	1909-1910	<u>3,112</u> 3,112

Last reported production: 1910

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Federal Land Bank Report	7-1934	1:126720	1:126720	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

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

ISGS field notes (G. F. Moulton, 1924) - Mine type, depth.

Federal Land Bank Report (Randolph County) - Shaft location, mine outline.

Mine Index 3225**C. P. Fellers, Fellers Mine**

Type: Underground Total mined-out acreage shown: None; production indicates approximately 2 acres were mined. Fellers Mine is not shown on the accompanying map because of later surface mining by Burning Star No. 3 Mine (mine index 930).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	34	NW NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	33-35		5.0	4.67	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
C. P. Fellers	Fellers	1905-1909	<u>7,006</u> 7,006

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

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

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

Mine Index 3230
Crain Coal Company, Crain Mine

Type: Underground Total mined-out acreage shown: 31 The mine is smaller than expected for the reported production. Production indicates approximately 50 acres were mined. The coal may be thicker than reported, and pillar extraction may have taken place.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Randolph	6S 5W	14	NE SE NW
Air shaft	Randolph	6S 5W	14	NE SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	37			6.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Crain & Welshan	Crain & Welshan	1923-1925	5,704
Crain Coal Company	Crain	1925-1954	<u>234,729</u>
			240,433

Last reported production: 1954

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353351	4-21-1955	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 (Randolph County) - Mine names, mine index, ownership, years of operation.

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

Microfilm map, document 353351, reel 03142, frame 347 - Slope & shaft locations, mine outline, mining method.

Mine Index 3231
Percy Coal Company, Percy Mine

Type: Underground Total mined-out acreage shown: 32 The mine is smaller than expected for the reported production, which would indicate approximately 52 acres were mined. The coal may have been thicker than reported, and pillar extraction may have been practiced.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	6S 5W	14	NW NE NW
Air shaft	Randolph	6S 5W	14	NW NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	52			4.67	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Rury & Rury	Rury	1912-1914	6,720
Syndicate Mining Company	Rury	1914-1915	12,000
John A. Rury	Rury	1915-1917	7,600
Rury & Brothers	Rury	1917-1918	4,800
Rury Coal Company	Rury	1918-1920	9,500
Syndicate Mining Company *	Syndicate	1920-1940 **	174,259
Percy Coal Company	Percy	1941-1941	3,532
			218,411

* The mine was also known as Lemming & Blair.

** Mines producing less than 10,000 tons were not reported in 1922.

Last reported production: 1941

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353340	4-6-1942	1:1200	1:1737	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 353340, reel 03142, frame 324 - Shaft locations, mine outline, mining method.

Mine Index 4357**T. A. Brown, Brown Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Randolph	5S 5W	21	SE NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
T. A. Brown	Brown	1918-1919	<u>260</u> 260

Last reported production: 1919

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Standard Atlas of Randolph County	1919	1:31680	1:10057	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Randolph County) - Seam.
 ISGS field notes (Randolph County) - Mine type.
 Standard Atlas of Randolph County, 1919 - Slope location.

Mine Index 4361

Type: Underground Total mined-out acreage shown: 18

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Randolph	5S 6W	26	NE SW SW
Air slope	Randolph	5S 6W	26	SW NW SW
Air shaft	Randolph	5S 6W	26	SE SW SW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Unknown			

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_360	7-25-1930	1:1200	1:895	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Federal Land Bank Report (Randolph County) - Seam.

State archive, MSHA_360, map of Purity Mine (mine index 337), courtesy of Robert Gibson, IDNR - Slope & shaft locations, mine outline, mining method.

OTHER MINES SHOWN ON STEELEVILLE QUADRANGLE

Mine Index 4343 NW SE SW 35-T5S-R5W, slope, Herrin Coal, 11 feet deep, 6 feet thick source: Federal Land Bank Report (1934) & ISGS field notes (G. H. Cady, circa 1915)
Mine Index 4345 NW NW NW 2-T6S-R5W, Herrin Coal source: Federal Land Bank Report (1934)
Mine Index 4349 SE SE SE 5-T6S-R5W, drifts, Colchester Coal source: ISGS field notes (H. R. Wanless et al., 8-17-1934), Federal Land Bank Report (1934)
Mine Index 4350 NE SW SE 8-T6S-R5W, drift, circa 1910, Colchester Coal, 2.0-3.0 feet thick source: ISGS field notes (H. R. Wanless, 8-17-1934) & Federal Land Bank Report (1934)
Mine Index 4356, Miller Mine * NE SE SW 14-T6S-R5W, shaft, Herrin Coal source: WPA map, T6S-R5W, Atlas of Illinois (1876), Atlas of Randolph County (1875)
Mine Index 4375 NE NE SE 27-T5S-R6W, drift, Springfield Coal, 20 feet deep source: Federal Land Bank Report (1934), Mine notes (undated)
Mine Index 4381 NW SW SW 26-T5S-R6W, slope, Springfield Coal source: ISGS field notes (G. H. Cady, circa 1915), and State archive, MSHA_360 (7-25-1930), map of Purity Mine (mine index 337)
Mine Index 4382 NW SW SW 26-T5S-R6W, shaft, Springfield Coal source: State archive, MSHA_360 (7-25-1930), map of Purity Mine (mine index 337)
Mine Index 4429 SE SW SW 11-T6S-R5W, Herrin Coal source: ISGS map library, 4107 d5-85 (field map)
Mine Index 5599 NE NW SW 28-T5S-R5W, old mine, Springfield Coal source: ISGS field notes (G. H. Cady, circa 1915) and ISGS map library, 4107 d5-85 (Cady field map)
Mine Index 5606 NE NE NE 8-T6S-R5W, slope, Colchester Coal source: ISGS map library, 4107 d5-85, map of G. H. Cady field work
Mine Index 5609 SW NE SW 27-T5S-R5W, drift, Herrin Coal source: ISGS field notes (H. R. Wanless, 9-5-1931) and ISGS map library, 4107 d5.1-195, sheet 20 (Wanless & Fuller field map)
Mine Index 5620 SE SE SE 23-T5S-R6W, Springfield Coal, 5 feet thick source: ISGS field notes (M. W. Fuller, 8-28-1931) and ISGS map library, 4107 d5.1-195, sheet 20 (Wanless & Fuller field map)
Mine Index 7370 NE NW SW 14-T6S-R5W, Herrin Coal source: Atlas of Randolph County (1875), Federal Land Bank Report (1934)
Mine Index 7371 SW SW 11-T6S-R5W, Herrin Coal source: Atlas of Illinois (1876), Federal Land Bank Report (1934)

* Not shown on accompanying map because of later surface mining

MINES WHOSE LOCATIONS ARE NOT KNOWN, STEELEVILLE 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 Steeleville 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 403,791 (400,930 underground and 2,861 mined by uncertain method), which would represent approximately 70 to 130 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

BLAIR

Morris & Dobbins, 1883-1884, shaft, Springfield, 20-36, 4.5-5.0, RP	700 tons
Dobbins (J. E.), 1884-1885	1,200 tons
Atchinson (John L.), 1885-1887	1,700 tons
Morris (A. R.), 1887-1889	1,883 tons
	<u>5,483 tons</u>
Weir & Lively, 1890-1891, shaft, Herrin, 22-70, 5.0-6.0, RP	124 tons
Lively (W. M. & J. S.), 1891-1893	988 tons
Wilson (John B.), 1893-1894	1,440 tons
	<u>2,552 tons</u>

PERCY

Barnard Coal Company, 1878-1890, shaft, —, 85-100, 5.25-7.0, RP	146,587 tons
Barnard & Goalby, 1892-1895, shaft, Herrin, 82-92, 6.0-6.5, RP	20,933 tons
Barnard (William), 1895-1896	<u>7,250</u> tons
	28,183 tons
Miller (General Madison), 1878-1882, shaft, —, 50-57, 5.5-6.0	2,360 tons
Soper (Ben), 1882-1883, shaft, Herrin, 50, 6.0	800 tons
Cross & Oph, 1882-1883, shaft, Herrin, 50, 6.0	2,000 tons
Dean & Hopper, 1887-1889	2,562 tons
Little Muddy Coal & Mining Company, 1889-1897, shaft, Herrin, 70, 6.0-6.5	115,784 tons
Deans Coal & Mining Company, 1897-1898	17,576 tons
Borders (William), 1898-1901	<u>48,092</u> tons
	181,452 tons
Brown & Uho, 1891-1892, shaft, Herrin, 35, 6.0, RP	20 tons
Willis Coal & Mining Company, 1894-1895, shaft, Herrin, 85, 5.0, RP	5,200 tons
Stramyer (Dietrich), 1895-1899, shaft, —, 18-20, 5.0-6.0, RP	3,025 tons
Briggman (Evan), 1912-1913, shaft, Herrin, 39, 6.0, RP	500 tons

SPARTA

Hardin (Robert), 1878-1883, drift, Herrin, 15-20, 6.0-7.0	264 tons
Wilson (John), 1878-1879, shaft, Herrin, 20-26, 5.0-6.0, RP	2,500 tons
Wilson (James), 1882-1883	800 tons
Wilson (J. A.) & Son, 1883-1885	<u>1,800</u> tons
	5,100 tons
Gibson (Joseph), 1878-1879, shaft, Springfield, 15-40, 4.0-5.0	1,400 tons
Franklin (Thomas), 1881-1882	<u>400</u> tons
	1,800 tons
Wolf & Company, 1882-1883, slope, Springfield, 25, 4.5	100 tons
Welshans (H. M.), 1905-1909, shaft, Herrin, 35-40, 6.0, RP	4,307 tons
Kramer & Finley, 1922-1923	275 tons
Walter & Moore, 1922-1923	24 tons
Adams (Harry), 1928-1929, underground	3,628 tons
Guelet (Albert R.), 1930-1931	<u>10,126</u> tons
	13,754 tons
Purity Coal Company, 1934-1936, underground	259 tons

STEELVILLE

Weberling (Henry), 1878-1883, shaft, Herrin, 50-56, 6.0	804 tons
Kewery, 1878-1879, drift, Herrin, 20,6.0	1,200 tons
Smith (Gus), 1889-1890, shaft, Herrin, 35, 6.0, RP	100 tons
Schmidt (Julius), 1890-1893	2,240 tons
Brown (James L.), 1893-1894	<u>400 tons</u>
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