

COAL MINES IN ILLINOIS CHILLICOTHE QUADRANGLE

MARSHALL, PEORIA & WOODFORD COUNTIES, **ILLINOIS**

This map accompanies the Coal Mines Directory for the Chillicothe Quadrangle. Consult the directory for a complete explanation of the information shown on this map.

Other Areas Depicted 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

Room & Pillar (RP)

Strip Mine Auger Mine

Mining Method

- General Area of Mining

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
- 4 Mine Drift - Active
- Mine Drift Abandoned *
- . Air Shaft
- Uncertain Location
- ۰ Uncertain Type of Opening

Mine Annotation

(space permiting) Company Mine Name ISGS Index No., Years of Operation

Disclaimer

Please check the Coal Section at the Illinois State Geological Survey's web site at http://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 attRutes. Also note that some quadrangles have multiple seams of mining and therefore meet 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.

Calcol on imaging integration in the second second

These maps were designed for use at 124,000. Enlarging the map may reduce accuracy, as the original scale of the source maps used to comple the outlines shown varies from 1.400 to 11.50,000, and some mile locations are known only from fixed declarging. See the accounting provide the source map used for a specific mile to check accuracy of a given portion of the map. Areas with no mines shown may still be undermined, see the unicidated miles is at at the back of each mile declarging.

The image of the U.S.G.S. Chillicothe Quadrangle used as a basemap was projected from the original UTM to



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Mine Outlines Compiled by Alan R. Myers June 7, 2002 Updated January 22, 2009

Location

DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES CHILLICOTHE QUADRANGLE MARSHALL, PEORIA & WOODFORD COUNTIES

Cheri Chenoweth & Alan R. Myers



Department of Natural Resources ILLINOIS STATE GEOLOGICAL SURVEY 2002 REVISED 2009

DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES CHILLICOTHE QUADRANGLE MARSHALL, PEORIA & WOODFORD COUNTIES

2002 REVISED 2009

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

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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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.

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INTRODUCTION

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

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

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

MINING IN THE CHILLICOTHE QUADRANGLE

Most of the mines in Marshall County were small drift mines driven into the Danville Coal off the bluffs along the Illinois River, and the mines in the Chillicothe Quadrangle are no exception. These were room and pillar mines that were often mined only in winter, and served local needs. The Danville Coal was mined here, ranging between 3 and 4 feet thick and from 30 to 110 feet deep.

The mines in the Chillicothe Quadrangle generally operated for only a few years and mined less than 10 acres. The longest-operating mine was index 293, the R. C. Crew Mine, which ran for 27 years. This mine was also the first that operated in this quadrangle, opening in 1902. Mining ceased in the Chillicothe Quadrangle after 1941, when the last two mines shut down (mine index 360, Blue Blaze No. 1 Mine, and mine index 2862, Vincent Dobrich's mine).

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 ISGS 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 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.

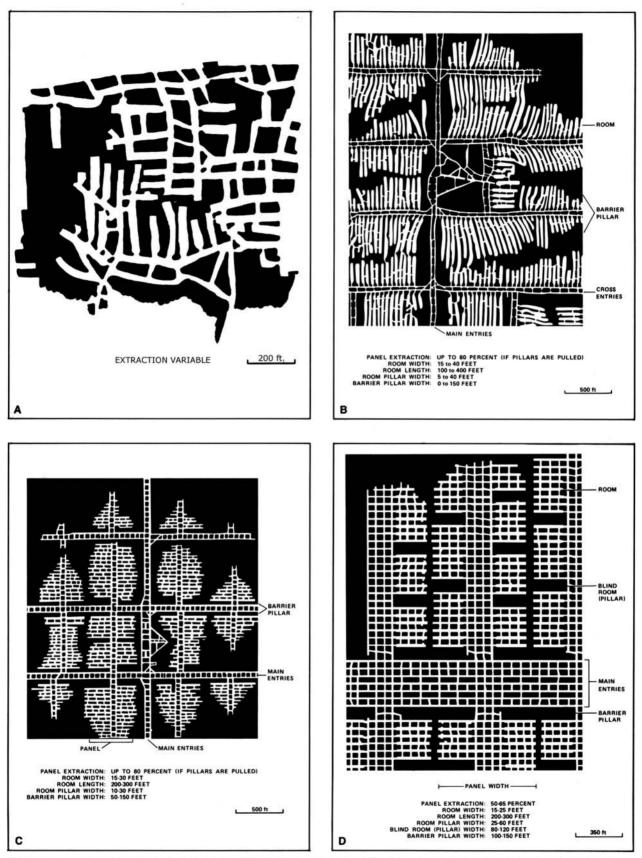


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).

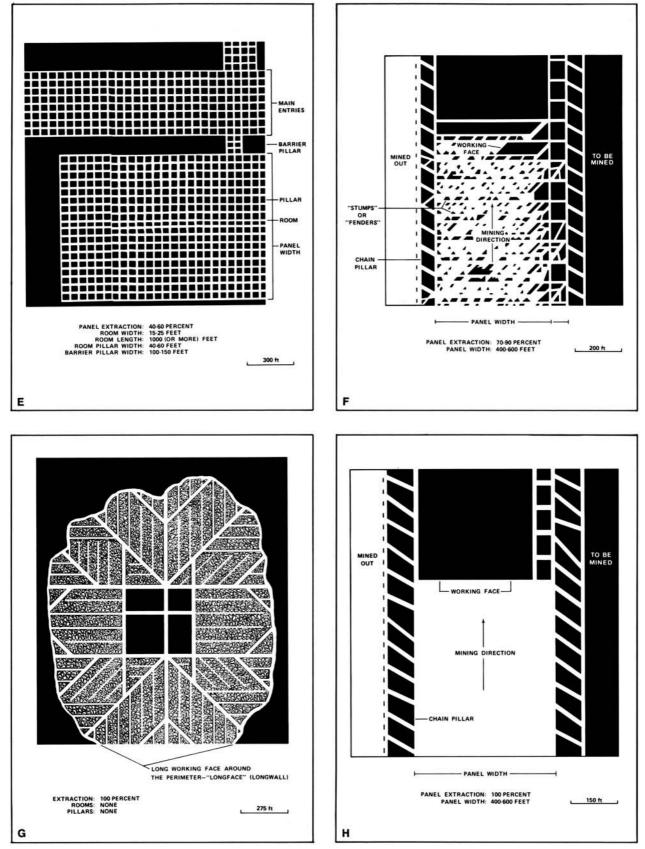


Figure 1 (cont.) Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall

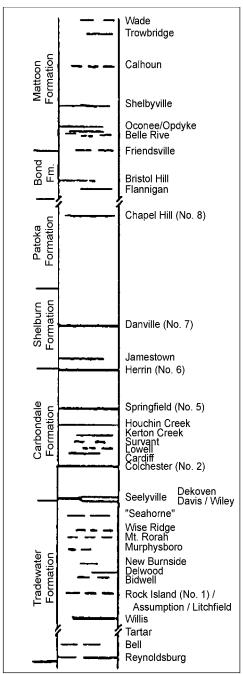


Figure 2 Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

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 tipple locations Locations of all known former entry points to underground mines or the location of coal cleaning. tipple, 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 guarter of the southwest guarter of the northwest guarter. 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 tipple. 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 tipple for underground mines was generally located near the main shaft or slope. At surface mines, coal was sometimes hauled to a central tipple 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

Andreas, A. T., 1873, Atlas Map of Peoria County, Illinois, Chicago, Illinois.

- 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, 185 p.

PART II DIRECTORY OF MINES IN CHILLICOTHE QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Chillicothe 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 293 R. C. Crew, Crew Mine

Type: Underground Total mined-out acreage shown: none; production indicates approximately 10 acres were mined

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main drift	Peoria	11N 9E	3	NE NE NW

GEOLOGY

		Thi	ckness (f	t)	Mining	
Seam(s) Mined	Depth (ft)	Min	Max	Ave	Method	
Danville	52-90			3.0-5.0	RP	

Geologic Problems Reported:

PRODUCTION HISTORY

			Production
Company	Mine Name	Years	(tons)
Joseph Crew	Crew	1902-1904	7,378
Crew Brothers	Crew	1904-1911	15,500
R. C. Crew	Crew	1911-1929 *	15,374
			38,252

* Production not reported 1922 for mines producing less than 10,000 tons; idle 1923

Last reported production: 1929

SOURCES OF DATA

		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
ISGS mine notes	undated	(text only)	1:24000 **	Secondary source

** The mine location was plotted on a 1:24,000 USGS topographic map from the mine location description and digitized. The general area of mining shown is estimated from production and shows the approximate size of the area mined; there is no source map for this general area of mining.

Annotated Bibliography (data source, brief description of information)

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

Mine Index 360 Thomas Lopeman, Blue Blaze No. 1 Mine

Type: Underground Total mined-out acreage shown: none; production indicates about 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	34	SW SW NE

GEOLOGY

		Thi	ckness (f	ft)	Mining	
Seam(s) Mined	Depth (ft)	Min	Max	Ave	Method	
Danville		3.0	4.0	3.3-3.5		

<u>Geologic Problems Reported</u>: The upper 4 inches of the seam was bone coal. A persistent clay band was present 7 to 9 inches above the floor. Occasional pyrite lenses 12 to 15 inches thick occured.

PRODUCTION HISTORY

			Production
Company	Mine Name	Years	(tons)
Thomas Lopeman	Lopeman	1927-1929	1,798 *
Thomas Lopeman	Blue Blaze No. 1	1936-1941	1,496
			3,294

* Production not reported 1930-1933 for mines producing less than 1,000 tons; this mine may have been active during that period. Coal Section files lists the ownership as Lopeman-Butler.

Last reported production: 1941

SOURCES OF DATA

SOURCES OF DATA		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
ISGS mine notes	undated	(text only)	1:24000 **	Secondary source

** The mine location was plotted on a 1:24,000 USGS topographic map from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

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

Mine Index 365 R. Pricher, Pricher Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	34	NW SW NE

GEOLOGY

0202001		Thi	ckness (ft)	Mining	
Seam(s) Mined	Depth (ft)	Min	Max Ave	Method	
Danville		3.0	3.5		

<u>Geologic Problems Reported</u>: Horsebacks, faults, and sulfur and clay bands were present in the seam. Sulfur balls were present in the upper part of the coal.

PRODUCTION HISTORY

			Production
Company	Mine Name	Years	(tons)
R. Pricher *	Pricher	1928-1928	<u>500</u>
			500

* The mine notes indicate the ownership of this mine was Collear & Pricher

Last reported production: 1928

SOURCES OF DATA

		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
ISGS mine notes	undated	(text only)	1:24000 **	Secondary source

** The mine location was plotted on a 1:24,000 USGS topographic map from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine Index 2535 Thomas Lopeman, Blue Blaze No. 2 Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	34	

GEOLOGY

0202001		Thickness (ft)	Mining	
Seam(s) Mined	Depth (ft)	Min Max Ave	Method	
Danville		3.3		

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Johnson & Wilkins	Johnson & Wilkins	1939-1939	21
Reed & Meyers	Reed & Meyers	1940-1941	290
Thomas Lopeman	Blue Blaze No. 2	1941-1944	<u>588</u>
·			899

Last reported production:

SOURCES OF DATA

		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
ISGS mine notes	undated	(text only)	1:24000 *	Secondary source

* The mine location was plotted on a 1:24,000 USGS topographic map from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

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

Mine Index 2861 Illinois Valley Coal Company, Illinois Valley No. 2 Mine

Type: Underground Total mined-out acreage shown: 10

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	26	SE NW NW
Air shaft	Marshall	12N 9E	26	SE NW NW

GEOLOGY

010100.		Thio	ckness (ft))	Mining	
Seam(s) Mined	Depth (ft)	Min	Max	Ave	Method	
Danville	30-40			3.8-3.9	MRP	

Geologic Problems Reported:

PRODUCTION HISTORY

			Production	
Company	Mine Name	Years	(tons)	
Illinois Valley Coal Company	Illinois Valley No. 2	1911-1913	<u>36,040</u>	
			36,040	

Last reported production: January 1913

SOURCES OF DATA				
		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
Microfilm, document 352454	1-12-1914	1:2400	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 (Marshall County) - Mine names, mine index, ownership, years of operation. Mine notes (Marshall County) - Mine type, drift location. Microfilm map, document 352454, reel 03139, frames 131 & 132 - Drift location, mine outline, mining method.

Mine Index 2862 Vincent Dobrich, Dobrich Mine

Type: Underground Total mined-out acreage shown: none

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	34	SW SW NE

GEOLOGY

GLOLOGI		Thi	ckness (f	ft)	Mining	
Seam(s) Mined	Depth (ft)	Min	Max	Ave	Method	
Danville				3.5		

Geologic Problems Reported:

PRODUCTION HISTORY

			Production		
Company	Mine Name	Years	(tons)		
Vincent Dobrich	Dobrich	1927-1935 *	944 **		
Roy Johnson	Johnson	1936-1936	81		
Vincent Dobrich	Dobrich	1937-1941	381		
			1,406		

* Idle 1925, 1928, 1935

** Production not reported 1930-1933 for mines producing less than 1,000 tons

Last reported production: 1941

SOURCES OF DATA

SOURCES OF DATA		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
ISGS field notes	10-29-1931	(text only)	1:24000 ***	Secondary source

*** The mine location was plotted on a 1:24,000 USGS topographic map from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation. Directory of Illinois Coal Mines (Marshall County) - Mine names, mine index, ownership, years of operation. Mine notes (Marshall County) - Mine type, thickness. ISGS field notes (Marshall County) - Drift location.

Mine Index 3883 Johnson & Wilkins, Johnson & Wilkins Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main shaft	Marshall	12N 9E	27	SW SW SE
Air shaft	Marshall	12N 9E	27	SW SW SE

GEOLOGY

0202001		Thickness (ft)		Mining	
Seam(s) Mined	Depth (ft)	Min Max	Ave	Method	
Danville			3.3	RPB	

Geologic Problems Reported:

PRODUCTION HISTORY

			Production
Company	Mine Name	Years	(tons)
Peter Kranz	Kranz	1934-1936	983
Wilkins & Johnson *	Wilkins & Johnson	1936-1937	289 **
Johnson & Wilkins	Johnson & Wilkins	1938-1938	96 **
			1,368

* The source map for this mine indicates the owners are Peter Kranz, Roy Johnson, and Neal Wilkins, operating on Hydraulic Press Brick Company property. Hydraulic Press Brick coal mines appear to have operated only in section 23 of T12N-R9E (see mine index 2857 on the Lacon Quadrangle).

** Production after map date

Last reported production: 1938

SOURCES OF DATA

		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
Microfilm, document 352315	10-24-1934	1:1200	1:1406	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Microfilm map, document 352315, reel 03138, frame 390 - Shaft locations, mine outline, mining method.

Mine Index 6051 Walter E. Crew, Crew Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp	-Rge	Section	Quarters-I	Footage
Main drift	Marshall	12N	9E	34	SE NE SV	V
GEOLOGY		-	- 1 · 1 / //			
Seam(s) Mined	Depth (ft)	Min	Thickness (f Max	() Ave	Minin Metho	
Danville	110	IVIIII	IVIAX	3.17	Metric	Ju
				0		
Geologic Problems R	<u>eported</u> :					
PRODUCTION HIST	ORY					
_						Production
Company		Mine Name			Years	(tons)
Walter E. Crew		Crew			1937-1939	<u>2,186</u> 2,186
						2,100
Last reported product	tion: 1939					
SOURCES OF DATA	4					
			Origina	al	Digitized	
Source Map		Date	Scale		Scale	Мар Туре
ISGS mine notes		undated	(text or	nly)	1:24000 *	Secondary source
* The mine location was plotted on a 1:24,000 USGS topographic map from the mine location description and						
* The mine location w	use platted on a 1.2	1 000 LISCS topor	aranhic man	from the m	nina location de	scription and

Annotated Bibliography (data source, brief description of information)

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

Mine Index 6055 Owl Coal Company, Owl Mine

Type: Underground Total mined-out acreage shown: Less than 1; production indicates less than 1 acre was mined after the map date

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	34	SW SW NE

GEOLOGY

		Thickness (ft)			Mining	
Seam(s) Mined	Depth (ft)	Min	Max	Ave	Method	
Danville				3.5	RP	

Geologic Problems Reported:

PRODUCTION HISTORY

			Production
Company	Mine Name	Years	(tons)
Owl Coal Company *	Owl	1939-1939	229
Owl Coal Company	Owl	1939-1940	<u>258</u> **
			487

* The source map indicated the owner of the mine at this location was Roy Pierson, and was leased by L. E. Green and M. Davis.

** Production after map date

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Мар Туре
Microfilm, document 352308	10-3-1939	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation. Directory of Illinois Coal Mines (Marshall County) - Mine names, mine index, ownership, years of operation. Mine notes (Marshall County) - Mine type, drift location, seam, thickness. Microfilm map, document 352308, reel 03138, frame 383 - Drift location, mine outline, mining method.

Mine Index 6064 R. Crew, Crew Mine

Type: Underground Total mined-out acreage shown: none

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

<u>Type</u> Main entry	County Marshall		Twp-Rge 12N 9E	Э	Section 28		arters-Fo SE NW	otage
GEOLOGY <u>Seam(s) Mined</u> Danville	Depth (ft)		Thic Min	kness (ft) Max	Ave		Mining Method RPB	
Geologic Problems Repor	r <u>ted</u> :							
PRODUCTION HISTORY Company R. Crew	,	Mine Na	me			Years		Production (tons)
Last reported production:								
SOURCES OF DATA Source Map Directory of Illinois Coal M	lines	Date 2000		Original Scale (text on		Digitize Scale 1:2400		Map Type Secondary source

* The mine location was plotted on a 1:24,000 USGS topographic map from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

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

ENR Document 85/01 - Mining method.

Mine Index 6076 G. E. Hunt & Son, Hunt Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main slope	Marshall	12N 9E	27	NE SW NE
Main slope	Marshall	12N 9E	27	NE SW NE

GEOLOGY

0202001		Thickness (ft)	Mining	
Seam(s) Mined	Depth (ft)	Min Max Ave	Method	
Danville		3.67		

Geologic Problems Reported:

PRODUCTION HISTORY

			Production
Company	Mine Name	Years	(tons)
D. Hunt	Hunt	1923-1924	180
Delos Hunt	Hunt	1927-1927 *	125
Dobie Hunt	Hunt	1929-1929 **	82
G. E. Hunt & Son	Hunt	1930-1931	unknown ***
			387

* Idle 1925-1296

** Idle 1928

*** Production not reported 1930-1933 for mines producing less than 1000 tons per year.

Last reported production: 1929

SOURCES OF DATA

		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
ISGS field notes (H. B. Willman)	11-3-1931	(text only)	1:24000 †	Secondary source

† The mine location was plotted on a 1:24,000 USGS topographic map from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Marshall County) - Mine names, mine index, ownership, years of operation. ISGS field notes (Marshall County) - Mine type, slope locations, seam, thickness, mine ownership (1930-1931).

Mine Index 6463 Dalton & Parrish, Dalton & Parrish Mine

Type: Underground Total mined-out acreage shown: Less than 1; production indicates less than 1 acre was mined after the map date

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	34	SW SE NW SW SE NW
Air shaft	Marshall	12N 9E	34	SVV SE INVV

GEOLOGY

0202001		Thickness (ft)	Mining	
Seam(s) Mined	Depth (ft)	Min Max Ave	Method	
Danville			RP	

Geologic Problems Reported:

PRODUCTION HISTORY

			Production
Company	Mine Name	Years	(tons)
Dalton & Parrish	Dalton & Parrish	1934-1934	478
Dalton & Parrish	Dalton & Parrish	1935-1935	<u>75</u> *
			553

* Production after map date

Last reported production: 1935

SOURCES OF DATA

		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
Microfilm, document 352301	7-1-1934	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Marshall County) - Mine names, mine index, seam, ownership, years of operation. Microfilm map, document 352301, reel 03138, frame 373 - Slope location, mine outline, mining method.

Mine Index 7175 Abe Colwell, Colwell Mine

Type: Underground Total mined-out acreage shown: 8; production indicates less than 1 acre was mined after the map date

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Туре	County	Twp-Rge	Section	Quarters-Footage
Main slope	Peoria	11N 9E	3	SW NE NW
Air shaft	Peoria	11N 9E	3	SW NE NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

			Production
Company	Mine Name	Years	(tons)
Abe Colwell	Colwell	1929-1935	6,697
Abe Colwell	Colwell	1935-1936	444 *
			7,141

* Production after map date

Last reported production: 1936

SOURCES OF DATA

		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
Microfilm, document 352179	8-2-1935	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

Directory of Illinois Coal Mines (Marshall County) - Mine names, mine index, seam, ownership, years of operation. Microfilm map, document 352179, reel 03138, frame 214 - Slope & shaft locations, mine outline, mining method.

OTHER MINES SHOWN ON THE CHILLICOTHE QUADRANGLE

Mine Index 6063 SE NW NE 27-T12N-R9E, drift, 3.4 thick source: ISGS field notes, H. B. Willman, 9-25-1930 Mine Index 7170 NE NE SE 4-T11N-R9E source: Atlas Map of Peoria County, 1873 Mine Index 7171 NW NW NE 9-T11N-R9E, old slope source: Atlas Map of Peoria County, 1873; ISGS field notes (Peoria County, undated) Mine Index 7172 SW NW NW 9-T11N-R9E source: Atlas Map of Peoria County, 1873 Mine Index 7173 NW SW SW 4-T11N-R9E source: Atlas Map of Peoria County, 1873

Mine Index 7174 NE SE SE 5-T11N-R9E source: Atlas Map of Peoria County, 1873 Mine Index 7176, Abe Colwell NE SW NW 3-T11N-R9E source: ISGS field notes (H. B. Willman, 1931) Mine Index 7177, 4 mine dumps SE NW NE 8-T11N-R9E source: ISGS field notes (H. B. Willman, 1930)

NON-COAL MINES IN THE CHILLICOTHE QUADRANGLE

Hydraulic-Press Brick Company, Sparland Clay Mine

Туре	County	Twp-Rge	Section	Quarters-Footage
Main shaft	Marshall	12N 9E	23	NW SE SW
Air shaft	Marshall	12N 9E	23	NW SE SW

The map indicates the mine was 260 feet deep, 5 to 6 feet thick. The method was room & pillar. The mine operated from the 1920s until 1969.

SOURCES OF DATA

		Original	Digitized	
Source Map	Date	Scale	Scale	Мар Туре
Microfilm, document 352317	1-18-1969	1:1200	1:1986	Final
Company map, Pl. 3 and Pl. 4	10-3-1968	1:2400	1:2400	Not final

(Microfilm document 352317 is reel 03138, frame 392)

MINES WHOSE LOCATIONS ARE NOT KNOWN, CHILLICOTHE QUADRANGLE

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

The total tons mined by these unlocated mines is 61,902, which would represent approximately 15 to 25 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres) See also the Sparland address mines in the Lacon Quadrangle; some mines may be on the Chillicothe Quadrangle.

Chillicothe, Marshall County

Bennett Brothers, 1898-1900, drift, –, 3.67, RP Bennett (Ed), 1900-1903 (idle 1902)	3,652 tons <u>1,100 tons</u> 4,752 tons
Dalrymple (Wesley), 1922-1927	5,205 tons
Quick Service, 1929-1929	530 tons
Julian (Jule), 1934-1934	265 tons

Chillicothe, Peoria County

Crew (Joseph), 1893-1894, drift, 30-80, 3.3-3.5, RP	5,450 tons
Crew (Robert), 1893-1895, drift, 60, 3.33, RP	1,870 tons
Crew (Joseph W.), 1928-1928	790 tons
Saunders & Simons, 1907-1908, drift, 10-75, 2.67-4.5, RP Simons (William), 1908-1913 Square Deal Coal Company, 1913-1915 Harlin (Frank), 1915-1919 Burbridge (O.) & Son, 1919-1920 Co-operative Coal Company, 1920-1921	204 tons 1,840 tons 1,010 tons 1,848 tons 400 tons <u>664</u> tons 5,966 tons
Lopeman (Thomas), 1934-1934	200 tons
Colwell (Abe) & Son, 1934-1936	3,285 tons
Colwell Brothers, 1924-1925	225 tons
Roberts (Henry), 1929-1929	561 tons
Pattison (C. H.), 1927-1927	765 tons
Short (Thomas G.), 1914-1917	9,539 tons
Davis (Myrle), 1923-1924	427 tons
Collier Brothers, 1911-1913, slope, 87-180, 4.0-4.67, RP	6,705 tons

Harlin (Frank), 1911-1913, drift, 75, 3.0-4.67, RP	2,550 tons
Meyers (John), 1910-1912, drift, 25, 2.75-4.0, RP	5,345 tons
Decker & Niland, 1909-1909, drift, –, 3.5, RP	50 tons
Hammet (O. A.), 1904-1906, drift, 69-100, 4.0-4.5, RP	568 tons
Wright (D. P.), 1904-1904, drift, 90-100, 4.0-4.5, RP Wright (C. W.), 1904-1905	3,610 tons <u>1,000</u> tons 4,610 tons
Wineburger (Joseph), 1903-1904, drift, 90, 4.5, RP	3,640 tons
Gray (William), 1894-1895, drift, 90, 4.33, RP	600 tons
Oertley (E. E.), 1949-1950	4,831 tons
Sparland, Peoria County	

d, Peoria County Spa

Harvey (John), 1907-1908, –, Springfield, –, 4.5	150 tons
Lishman & Davis Coal Company, 1925-1925	164 tons

INDEX OF MINES IN THE CHILLICOTHE QUADRANGLE

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Wright (D. P.)	
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Funding for this project was supplied by the Illinois Department of Transportation.