

DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES LACON QUADRANGLE MARSHALL COUNTY

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Department of Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY
2002
REVISED 2005

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LACON QUADRANGLE
MARSHALL COUNTY**

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

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

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INTRODUCTION

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

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

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

MINING IN THE LACON QUADRANGLE

Most of the mines in Marshall County were small drift mines driven into the Danville Coal off the bluffs along the Illinois River. These were room and pillar mines that were often mined only in winter, and served local needs. Most of the mines worked the Danville Coal, which was generally between 3 and 4 feet thick. Depths ranged from as little as 10 feet to over 80 feet, depending on the distance into the hillside the mine extended.

Mining began in the Lacon Quadrangle in the 1850s, with small drifts for local use. Some of the coal was used to fire Colonel McClannahan's tile factory, which operated from 1855 to 1857. A company was formed in the 1860s to mine and ship coal to Chicago, but a year's trial showed that the company could not compete with the Streator shafts and closed down. Twice more, in the 1860s and 1870s, companies tried to open large mines to ship coal, even setting up a town named Grantville 2.5 miles south of Sparland, but they couldn't sell the coal and were forced to close down. Even in the 1920s, the Hy Tek Brick Company found they could buy better coal from elsewhere more cheaply than they could mine local coal. Few mines operated here after 1940, until the last coal mines closed in 1951 (mine index 6057, the Wilson Brothers underground mine, and mine index 2746, Lopeman & Nighswonger).

There were over 160 mines listed in the Coal Reports that have unknown locations. Most of these were small drift mines that operated for a few years and produced only a few tons, but some were of significant size, and others operated for several years. Tracing the ownership of these mines was hindered by the Coal Report not listing mines producing less than 1,000 tons per year from 1930 to 1933, and not reporting change of ownership of local mines through most of the reporting years.

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.

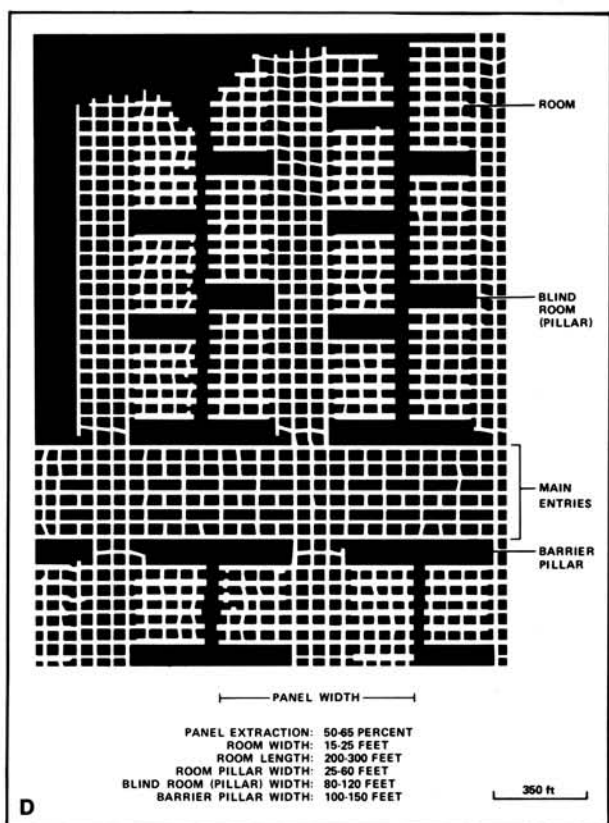
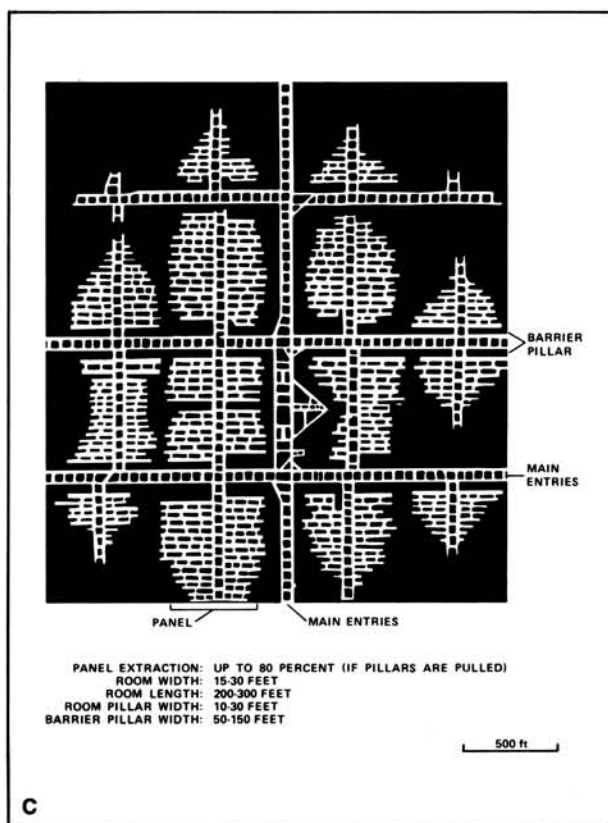
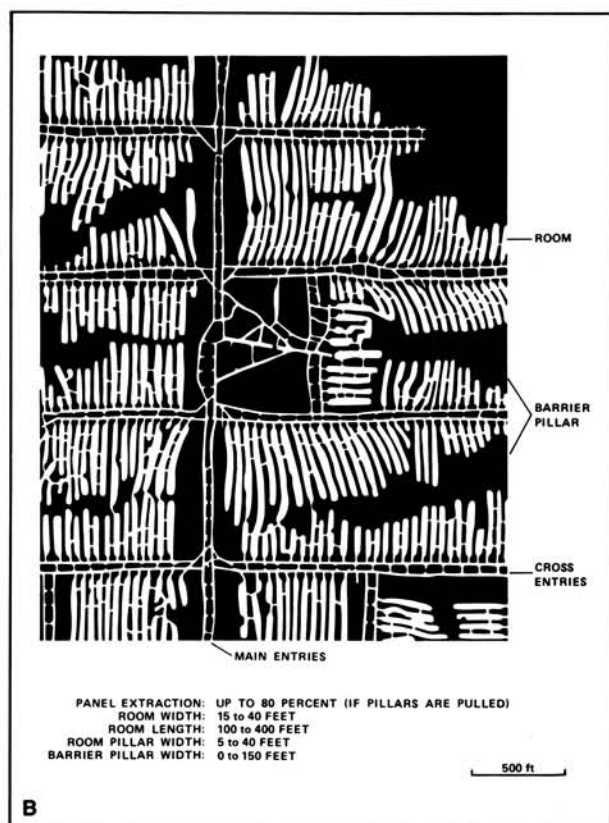
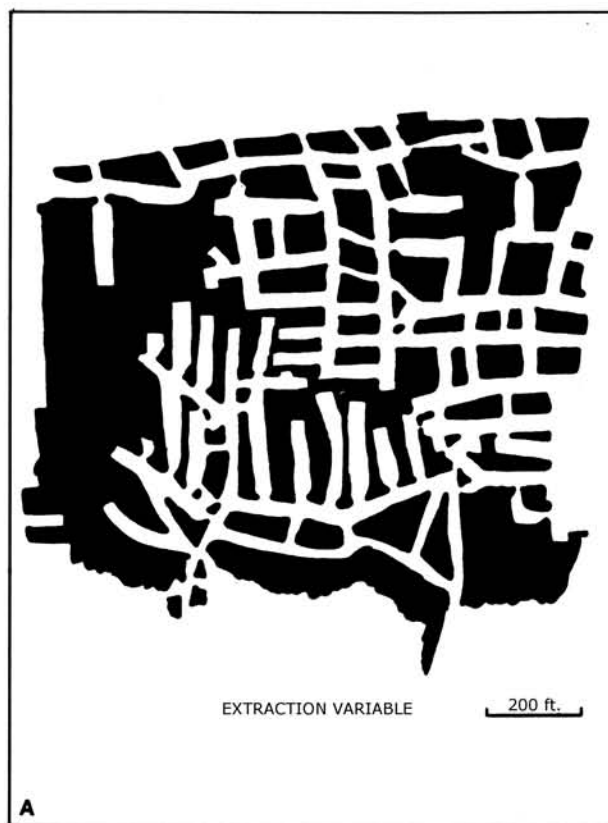


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).

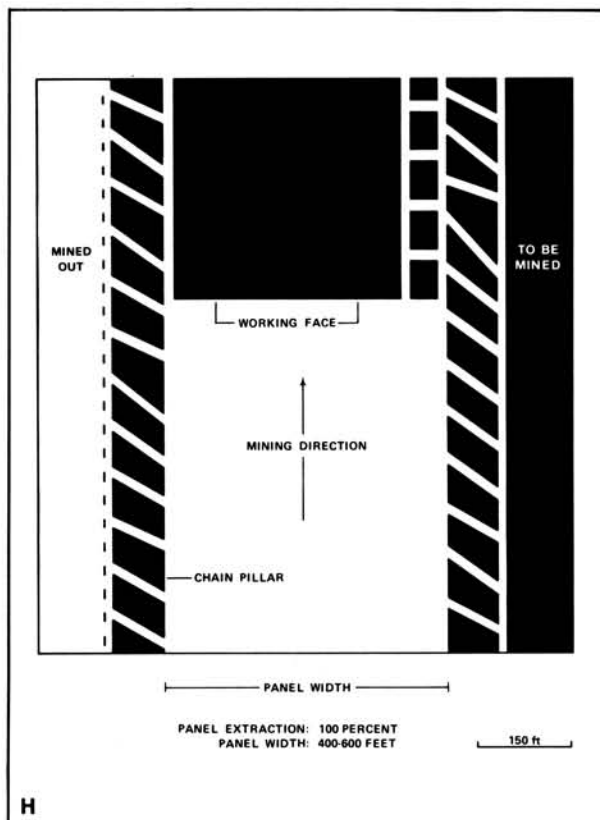
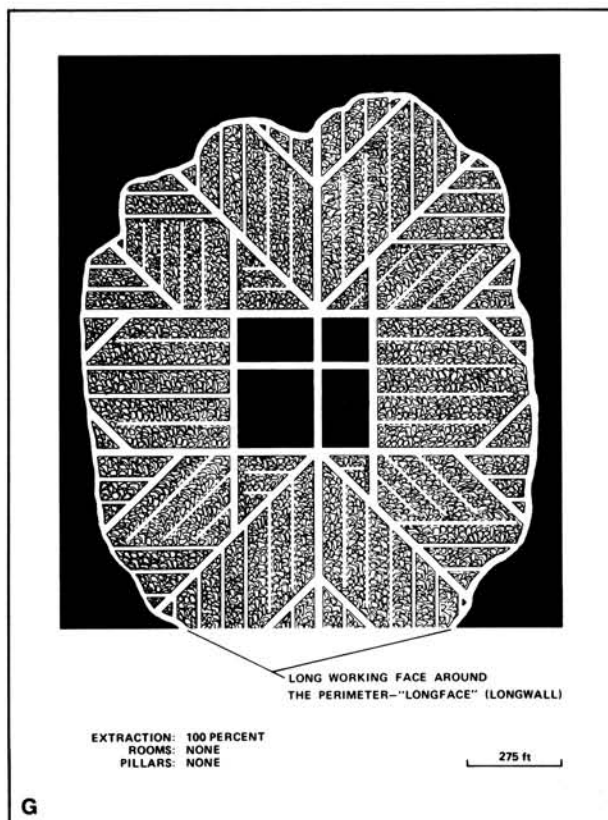
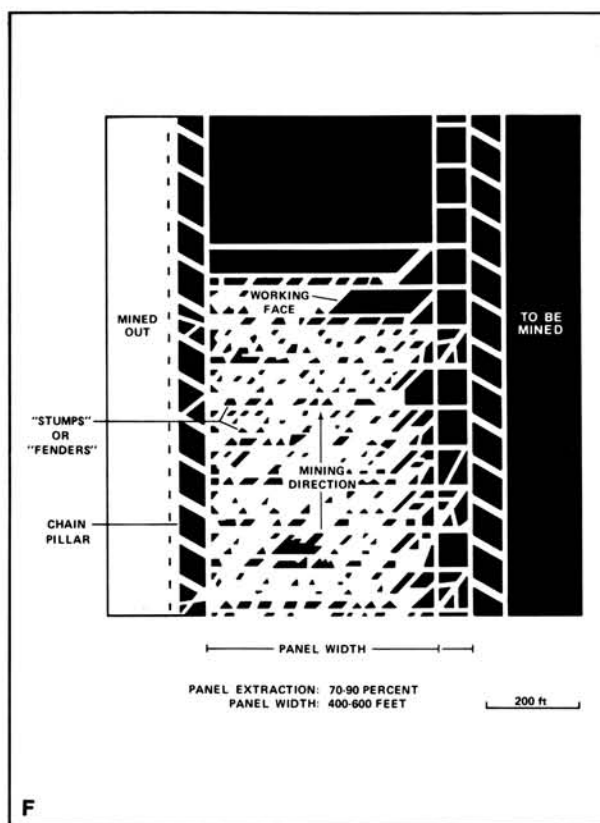
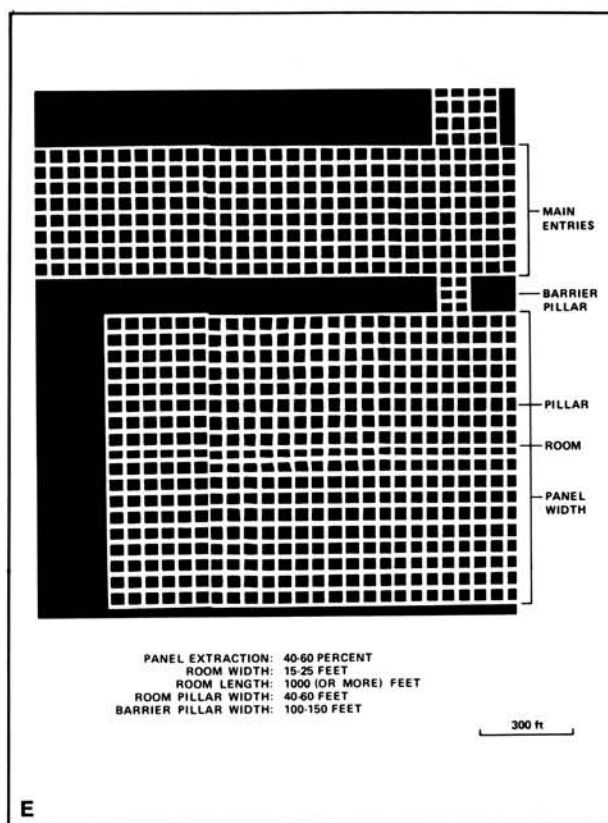


Figure 1 (cont.) Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall

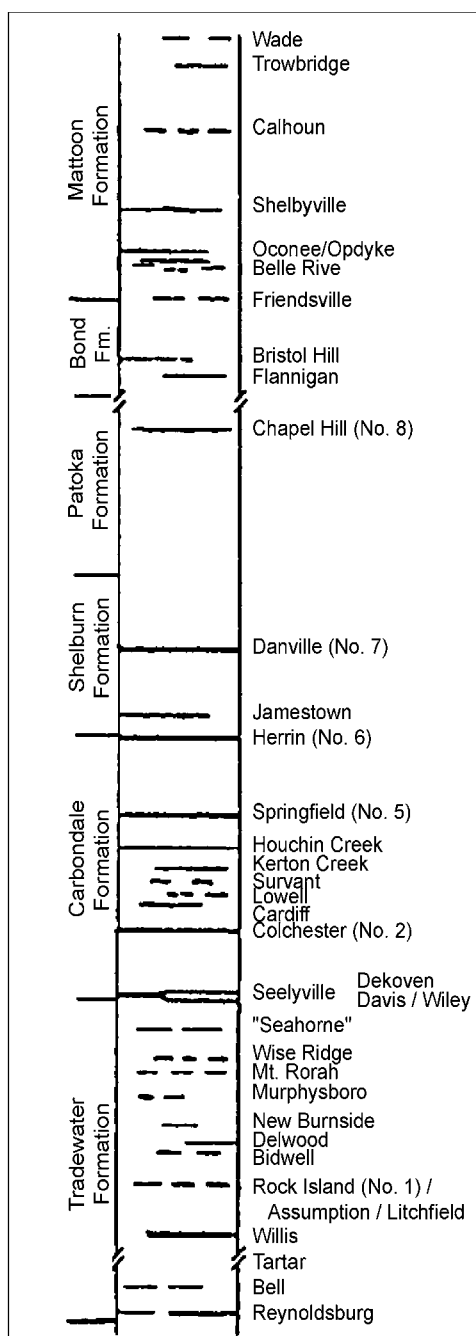


Figure 2 Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

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.

Burt, J. S. and W. E. Hawthorne, 1907, Past & Present of Marshall and Putnam Counties: Pioneer Publishing, Chicago, 512p.

Guither, H. D., J. K. Hines, and R. A. Bauer, 1985, The Economic Effects of Underground Mining Upon Land Used for Illinois Agriculture: Illinois Department of Energy and Natural Resources Document 85/01, 185p.

PART II DIRECTORY OF MINES IN LACON QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Lacon 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 286

Fulton County Coal Company, Fulton County No. 1 Mine

Type: Underground Total mined-out acreage shown: 74 Production indicates an approximately 2 acres were mined since the date of the map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main shaft	Marshall	12N 9E	11	SW SW SE
Air shaft	Marshall	12N 9E	11	SW SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	185			2.5-3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Sparland Coal Company	Sparland	1888-1890	21,600
Cumming & Company	Cumming	1890-1894	65,924
Sparland Coal Company	Sparland	1894-1896	26,326
Marquette Coal Company	Marquette	1896-1901	67,734
Marquette Third Vein Coal Company	Marquette Third Vein No. 1	1901-1907	96,296
Fulton County Coal Company	Fulton County No. 1	1907-1913	75,265
Fulton County Coal Company	Fulton County No. 1	1913-1914	10,555 *
			363,700

* Production after map date

Last reported production: March 1914

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352310	4-1-1913	1:2400	1:2234	Not final

Annotated Bibliography (data source, brief description of information)

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

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

ENR Document 85/01 - Mining method.

Mine notes (Marshall County) - Mine type, depth, thickness, mining method.

Microfilm map, document 352310, reel 03138, frame 385 - Mine outline, shaft locations, mining method.

Mine Index 361
Ernest Caldwell, Caldwell Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	13N 9E	35	SW NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville	150-200	2.5	4.3	3.5	

Geologic Problems Reported: Sulfur balls and clay partings are present. A persistent clay band is present 8 to 9 inches above the floor. Occasional sulfur bands are present. The upper 2 inches of the seam is sulfurous and bony.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Ernest Caldwell *	Caldwell	1922-1930	<u>8,895</u> ** 8,895

* The last name is spelled in various ways (Colwell, Collwell, Calwell).

** Mines producing less than 1,000 tons not reported 1930-1933; operation and production unknown 1930-1933

Last reported production: 1930

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 1:24,000 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, depth, thickness, geologic problems.

Mine Index 362
Matt Sparr, Sparr Mine

Type: Underground Total mined-out acreage shown: 4

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	15	NE SW NE
Air drift	Marshall	12N 9E	15	NE SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville	150	3.25	4.2	3.4	RPB

Geologic Problems Reported: Impurities in the seam include occasional sulfur streaks, clay partings and horsebacks.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
A. E. Reid	Reid	1927-1927	40
Matt Sparr	Sparr	1928-1936	<u>2,608</u> *
			2,648

* Mines producing less than 1,000 tons not reported 1930-1933; operation and production unknown 1930-1933; production higher than shown.

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352306	8-9-1937	1:1200	1:1200	Final
Company, 4103.M37 i5.1-4	7-3-1934	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, ownership, years of operation.
 Mine notes (Marshall County) - Mine type, drift location, seam, depth, thickness, geologic problems.
 Microfilm map, document 352306, reel 03138, frame 381 - Drift locations, mine outline, mining method.
 Company map, ISGS map library, 4103.M37 i5.1-4 - Mine location.

Mine Index 363**Anton (Tony) Turk, Turk Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	2	NW SW SE *

* This mine may be in E ½ SE SE, according to a sketched location shown on a Coal Section file topographic map. Another possible location, from the mine notes, is "near the center of the SE 1/4"

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville		3.4	5.0	4.0	

Geologic Problems Reported: The roof is soapstone, and "comes down often up to 3 to 4 feet". Sulfur balls up to 1.5 inches in diameter are present at the top of the seam.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Anton (Tony) Turk	Turk	1922-1930	<u>12,388</u> ** 12,388

** Mines producing less than 1,000 tons not reported 1930-1933; operation and production unknown 1930-1933.

Last reported production: 1929

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 1:24,000 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 364
Bartol Bavar, Bavar 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	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	14	NW SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville		3.0		3.8	

Geologic Problems Reported: The top of the seam is bone coal with sulfur balls. Clay streaks and horsebacks are also present in the mine. The visible ash in samples collected was 7 to 9%.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Bartol Bavar	Bavar	1928-1929	<u>1,873</u> *
			1,873

* Mines producing less than 1,000 tons not reported 1930-1933; operation and production unknown 1930-1933.

Last reported production: 1929

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 1:24,000 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.

Mine Index 2850
Hunt Coal Company, Hunt 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	Twp-Rge	Section	Quarters-Footage
Main slope	Marshall	12N 9E	2	NW SW SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Nighswonger Brothers *	Nighswonger	1934-1935 **	122
C. Nighswonger *	Nighswonger	1936-1936	367
Wilbur Nighswonger	Nighswonger	1937-1938	388
Hunt Coal Company	Hunt	1938-1939	236
			1,113

* Nighswonger was spelled various ways (Negsonger, Nyswonger, etc.); the spelling chosen here is from the 1890 Plat and the later production in the Coal Reports.

** Idle 1935; may have been active 1930-1933 producing less than 1,000 tons/year

Last reported production: 1939

SOURCES OF DATA

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

** 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, slope location, seam.

Mine Index 2851
McKinley Kear, Kear No. 1 Mine

Type: Underground Total mined-out acreage shown: Less than 1 acre Approximately 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	11	NW NE SW
Air drift	Marshall	12N 9E	11	NW NE SW
"New" drift	Marshall	12N 9E	11	NW NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville	90			3.5	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
McKinley Kear	Kear No. 1	1936-1938	1,932
McKinley Kear	Kear No. 1	1939-1942	2,537 *
			4,469

* Production after map date

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352298	1-10-1939	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, depth, thickness.
 Microfilm map, document 352298, reel 03138, frame 370 - Drift locations, mine outline, mining method.

Mine Index 2852**Illinois Valley Coal Company, Illinois Valley No. 1 Mine**

Type: Underground Total mined-out acreage shown: None Production indicates approximately 32 acres were mined. A general area of mining has been added to the map to show the approximate size and location.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	11	NW SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville	30-80			3.0-4.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Lacon Coal Company	Lacon No. 1	1906-1911	35,598
Illinois Valley Coal Company	Illinois Valley No. 1	1911-1913	64,889
			100,487

Last reported production: April 1913

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 1:24,000 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, seam, thickness, depth, mining method.
 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 2853**Arthur Davis, Davis No. 1 Mine**

Type: Underground Total mined-out acreage shown: 4 Production indicates less than 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	11	NE NW NW
Air shaft	Marshall	12N 9E	11	NE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)		Mining Method
		Min	Max	
Danville	90		3.67-3.75	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Davis Brothers	Davis Brothers	1934-1934	390
C. L. Davis	Davis	1935-1936	2,623
C. F. Davis	Davis	1937-1938	1,079
Charles & Lloyd Davis	Davis	1939-1943	5,420
Charles & Lloyd Davis	Davis	1943-1946	1,840 *
Arthur Davis	Davis No. 1	1947-1950	647 *
			11,999

* Production after map date

Last reported production: 1950

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352282	11-8-1943	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, depth, thickness.

Microfilm map, document 352282, reel 03138, frame 35 - Drift locations, mine outline, mining method.

Mine Index 2855**Jury & Wren, Jury & Wren Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	15	SW SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)		Mining Method
		Min	Max	
Danville			Ave	3.5-3.67

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
William Hillman	Hillman	1934-1939 *	1,614
Jury & Wren	Jury & Wren	1939-1941	<u>2,333</u> 3,947

* Idle 1935. The mine notes indicate this mine opened in 1927 or 1928; previous ownership and production unknown.

Last reported production: 1941

SOURCES OF DATA

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

** The mine location was plotted on a 1:24,000 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 2856
Babington Brothers, Babington 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	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	15	NE SE NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Babington Brothers	Babington	1935-1940 *	<u>774</u> 774

* Idle 1937-1938

Last reported production: 1940

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 1:24,000 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.

Mine Index 2857
Frank Wolgemuth, Wolgemuth Mine

Type: Underground Total mined-out acreage shown: 11, with general area of mining. Production indicates less than 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Old drift	Marshall	12N 9E	23	NW SE NW
Escape shaft	Marshall	12N 9E	23	NW SE NW
New drift	Marshall	12N 9E	23	NW SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville				3.0-4.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Hydraulic Press Brick Company	Hydraulic Press Brick	1925-1926	8,142
Hy Tex Brick Company	Hydraulic Press Brick	1927-1927	9,792
Hydraulic Press Brick Company	Hydraulic Press Brick	1928-1928	10,122
Hy Tek Brick Company	Hydraulic Press Brick	1929-1929 *	5,108
Art Reed & Brothers	Reed	1930-1937 **	2,892
Krantz & Bevar	Krantz & Bevar	1938-1939	249
Liberty Coal Company	Liberty	1939-1940	939
Frank Wolgemuth	Wolgemuth & Lindsley	1941-1942	1,169
Frank Wolgemuth	Wolgemuth & Lindsley	1942-1942	317 ***
			38,730

* ISGS field notes (Willman, 1931) stated that Hydraulic Press Brick mined coal previously, but the local coal was low-grade, and good coal was cheap, implying they would no longer mine their own coal for brick production. These older areas of mining were indicated on the source map as "old works" and the mined extent was not specifically designated.

** Production not reported 1930-1933 for mines producing less than 1000 tons per year. Idle 1937.

*** Production since map date

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352307	5-1-1942	1:120	1:1324	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 352307, reel 03138, frame 382 - Drift locations, mine outline, mining method.

Mine Index 2859**Illinois Valley Coal Company, Illinois Valley No. 3 Mine**

Type: Underground Total mined-out acreage shown: 3 The production is not large enough to account for this size. Presumably, one of the mines of unknown location (at the back of this report) was a previous owner to this mine.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	23	SW SE SW
Air drift	Marshall	12N 9E	23	NE SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville	30			3.75	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Illinois Valley Coal Company	Illinois Valley No. 3	1912-1913	<u>4,418</u> 4,418

Last reported production: December 1913

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352454	4-1917	1:2400	1:4800	Final

Annotated Bibliography (data source, brief description of information)

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

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

ENR Document 85/01 - Mining method.

Mine notes (Marshall County) - Mine type, drift location.

Microfilm map, document 352454, reel 03139, frames 131 & 132 - Drift locations, mine outline, mining method.

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

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

check map again for air shaft

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville	30-40			3.8-3.9	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (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

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352454	4-1914	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 2863
Elmer Lopeman, Lopeman Mine

Type: Underground Total mined-out acreage shown: 6 Less than 1 acre was mined after the map date. An area designated "old works" on the source map is shown as a general area of mining on the map that accompanies this directory. There may be additional drift entries into the old works that are not shown.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main slope	Marshall	13N 9E	35	SE SE SE
Air shaft	Marshall	13N 9E	35	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville	14-30			3.7 (3.5-5.0)	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
John H. Pearson	Pearson	1911-1938	5,085 *
Elmer Lopeman	Lopeman	1939-1942	3,023
Elmer Lopeman	Lopeman	1942-1944	1,693 **
			9,801

* Production not reported 1922 for mines producing less than 10,000 tons. Idle 1928 & 1929. Production not reported 1930-1933 for mines producing less than 1,000 tons per year (the mine was active when visited in 1931).

** Production after map date

Last reported production: 1944

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352312	9-5-1942	1:1200	1:1200	Not final
ISGS field notes (H. B. Willman)	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.

ENR Document 85/01 - Mining method.

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

ISGS field notes (Marshall County) - Mine type, slope location, depth, thickness, years of operation.

Microfilm map, document 352312, reel 03138, frame 387 - Slope & shaft locations, mine outline, mining method.

Mine Index 6052**Frank Mutton Coal Company, Mutton 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	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	13N 9E	22	SW SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville	60			3.67-3.83	

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Frank Colwell	Colwell	1932-1940	1,923 *
Frank Mutton Coal Company	Mutton	1940-1941	243
			<u>2,166</u>

* The mine notes say this mine was sunk in 1932; production not reported 1930-1933 for mines producing less than 1,000 tons per year.

Last reported production: 1941

SOURCES OF DATA

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

** The mine location was plotted on a 1:24,000 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, depth, thickness.

Mine Index 6053**Eagle Coal Company, Eagle Mine**

Type: Underground Total mined-out acreage shown: 4 Production indicates less than 1 acre was mined after the map date. The source map shows a worked-out area south of the mine entrance; this is shown on the accompanying map by a general area of mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	2	SW NE SE
Air shaft	Marshall	12N 9E	2	SE NW SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Eagle Coal Company *	Eagle Mine	1929-1940	12,671 **
Eagle Coal Company	Eagle Mine	1940-1942	<u>2,253</u> ***
			14,924

* The mine notes indicate the owner of Eagle Coal Company was Pete Paolucci, and that the mine was opened in 1929. The ISGS field notes indicate the owner of this mine in 1930 was R. Flumme.

** Production was not reported in 1929 and 1930 for mines producing less than 1,000 tons per year.

*** Production after map date

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352311	1-23-1940	1:2400	1:2979	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.

ENR Document 85/01 - Mining method.

Mine notes (Marshall County) - Seam, thickness, opening year.

ISGS field notes (Marshall County) - Mine type, drift location.

Microfilm map, document 352311, reel 03138, frame 386 - Drift location, mine outline, mining method.

Mine Index 6054**W. H. Simpson, Simpson No. 3 Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	14	SW SE SW
Escape drift	Marshall	12N 9E	14	SW SE SW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
W. H. Simpson	Simpson No. 3	1936-1937	596
W. H. Simpson	Simpson No. 3	1937-1941	<u>2,225</u> *
			2,821

* Production after map date

Last reported production: 1941

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352305	9-17-1937	1:1200	1:1324	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Marshall County) - Mine type, seam, thickness.

Microfilm map, document 352305, reel 03138, frame 380 - Drift & shaft locations, mine outline, mining method.

Mine Index 6057**Wilson Brothers Coal Company, Wilson Brothers (underground) 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	Twp-Rge	Section	Quarters-Footage
Main shaft	Marshall	13N 9E	35	SE SE SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilson Brothers Coal Company	Wilson Brothers	1950-1951	847 847

Last reported production: March 1951

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (H. B. Willman)	11-29-1931	(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, seam, ownership, years of operation.

ISGS field notes (Marshall County) - Mine type, shaft location.

Mine Index 6058
Willie Taylor, Taylor Mine

Type: Surface Total mined-out acreage shown: 11 The production indicates approximately 1 acre was mined; the area shown is the property and the area mined is within this polygon.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main pit	Marshall	13N 9E	22	SE NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Taylor Coal Company	Taylor	1941-1941	50
Taylor & Bergantz	Taylor & Bergantz	1942-1944	1,957
Willie Taylor	Taylor	1945-1946	<u>920</u>
			2,927

Last reported production: 1946

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352299	undated	1:7975	1:6608	Undated

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 352299, reel 03138, frame 371 - Mine outline, mining method.

Mine Index 6059
James Fogarty, Fogarty Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	11	SW NE NW
Air shaft	Marshall	12N 9E	11	SW NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville				3.5-3.6	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
James Fogarty	Fogarty	1915-1917	240
James Fogarty	Fogarty	1934-1934	<u>25</u> *
			265

* Idle or temporarily abandoned 1918-1933

Last reported production: 1934

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352302 **	5-22-1934	1:1200	1:1200	Final

** The reference point noted on the source map was labeled "SE cor NW NW section 11". Due to the placement of Thenis Hollow Road and the subsidiary road leading to the mine, the correct label for this reference point should be "SE cor SW NE NW".

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, thickness.
 Directory of Illinois Coal Mines (Marshall County) - Mine names, mine index, ownership, years of operation.
 ENR Document 85/01 - Mining method.
 Microfilm map, document 352302, reel 03138, frame 374 - Drift location, mine outline, mining method.

Mine Index 6060
William Crew, Crew Mine

Type: Underground Total mined-out acreage shown: Approximately 1 Production indicates less than 1 acre was mined after the map date. The area shown is insufficient for the tonnage produced by the mine. A general area of mining south of the mine, indicated on the source map as "Old Works", is the probable location of Crew's older mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	11	NE NW SW
Air drift	Marshall	12N 9E	11	NE NW SW
Old drift	Marshall	12N 9E	11	NW NW SW
Old drift	Marshall	12N 9E	11	NE NW SW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
William Crew	Crew	1916-1934	6,377 *
William Crew	Crew	1934-1936	446 **
			6,823

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

** Production after map date

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352300	5-25-1934	1:1200	1:993	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Microfilm map, document 352300, reel 03138, frame 372 - Drift & shaft locations, mine outline, mining method.

Mine Index 6062
Robert Crew, Crew No. 3 Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	23	SW SE NW
Old drift	Marshall	12N 9E	23	SW SE NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Robert Crew	Crew No. 3	1936-1936	<u>407</u> 407

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352307	5-1-1942	1:1200	1:1324	Final
Microfilm, document 352309	1-25-1940	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Marshall County) - Mine names, mine index, ownership, years of operation.
 Microfilm map, document 352307, reel 03138, frame 382 - Drift location, mine outline, mining method.
 Microfilm map, document 352309, reel 03138, frame 384 - Old drift location, location of old works.

Mine Index 6065
John & Pat Wall, Wall Mine

Type: Underground Total mined-out acreage shown: None A general area of mining shows the extent of mining as indicated by the mine notes.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	15	W ½ NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville				3.5-4.0	

Geologic Problems Reported: Coal balls are present in the gray shale roof.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Mary J. Knox	Knox	1892-1894	125
John & Pat Wall *	Wall	circa 1930	<u>unknown</u> 125

* Not listed in Coal Reports under this name; production and years of operation unknown. The undated field notes indicated the mine was active or accessible when visited and extended 125 yards into the hillside; the mine may have been active during the 1930-1933 period when the Coal Reports did not list mines producing less than 1000 tons per year. Other unknown miners may have operated this mine (see the back of this report for unlocated mines) between 1894 and 1930.

Last reported production: (ca. 1930)

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (G. H. Cady)	circa 1927-1931	(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.
 Mine notes (Marshall County) - Mine type, drift location, seam, depth, thickness.
 ISGS field notes (Marshall County) - Mine type, drift location, seam, thickness, geologic problems, mine ownership, general extent of mine.

Mine Index 6070
Fred Ross, Ross Mine

Type: Underground Total mined-out acreage shown: None

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main shaft	Marshall	12N 9E	11	SE NE SW *

* According the ISGS field notes, the mine was on the east side of the creek, at an elevation of 510-520.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville				4.0-4.6	

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Fred Ross **			

** Noted in ISGS field notes dated 1930. Production not reported 1930-1933 for mines producing less than 1,000 tons per year.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (H. B. Willman)	8-25-1930	(text only)	1:24000 ***	Secondary source

*** Point plotted on USGS 1:24,000 quadrangle map 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 location, seam, thickness.

Mine Index 6074
Frank Colwell, Colwell 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	Twp-Rge	Section	Quarters-Footage
Main drift	Marshall	12N 9E	15	SE SW SW *

* There is also an "old abandoned drift to the north operated by the same man"; the distance north is not specified and so is not represented on the accompanying map. The production and years of operation shown below may encompass this older mining.

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Frank Colwell	Colwell	1927-1930	856 ** 856

** Production not reported 1930-1933 for mines producing less than 1,000 tons per year. This mine was known to be active in 1930 because of the visit reported in the ISGS field notes.

Last reported production: 1929

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (J. Svatik)	8-26-1930	(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, drift location, seam, thickness.

Mine Index 6077
Alfred Cliff, Cliff Mine

Type: Underground Total mined-out acreage shown: 80 The outline and size of the mine or mines in this area is unknown and problematical. The ISGS field notes specified a shaft location at the southern end of the parcel shown on the accompanying map, and stated "mine worked about 40 acres north of shaft". It seems unlikely that 40 contiguous acres were mined in this location; an area that size would require production from 120,000 to 200,000 tons. The unlocated mines shown at the back of this report shows no mines of that capacity. Subsidence of a shaft was rectified in 1999, and more subsidence was noted in 2007. Both areas are included within the outline for Cliff Mine, although 3 or more mines probably operated here, and mining may extend southward beyond the area shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Shaft	Marshall	13N 9E	14	NE SE NE *
Shaft	Marshall	13N 9E	14	SE SE NE *
Shaft	Marshall	13N 9E	14	SE SW NE **

* The most likely location for a shaft whose workings extend northward is along the hill shown on the accompanying map at this location, NE SE NE. The location shown in the field notes is SE SE NE, but the written description was at SE SW NW. The field notes were unaccountably muddled, so two likely locations are shown on the accompanying map.

** This is the location of an air shaft with cribbing designated Western Avenue Mine by the Abandoned Mine Division of the Department of Natural Resources (DNR). The shaft was filled in 1999.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville	75	3.5		4.5-5.25	

Geologic Problems Reported: A sulfur band was present 18 inches from the bottom of the seam.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Alfred Cliff	Cliff	1926-1926	385 385

Last reported production: 1926

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (G. H. Cady)	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)

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, depth, thickness, general area of mining.
 Personal communication, Steve Getman of Marshall County & Joe Pelc of DNR, June 2007 - Shaft location, southern extent of mining.

Mine Index 6080
Frank Calwell, Calwell Mine

Type: Underground Total mined-out acreage shown: None A general area of mining was constructed following the description in the field notes and is shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Main slope	Marshall	13N 9E	35	SE SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Danville				3.0-3.1	

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Pierson			
Frank Colwell *			

* Operated by Frank Colwell and his 3 brothers-in-law when visited in 1930. Production not reported 1930-1933 for mines producing less than 1,000 tons per year.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (H. B. Willman)	8-23-1930	(text only)	1:24000 **	Secondary source

** The mine location and general shape (1300 feet due west and 400 feet south) 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 location, mine ownership, seam, thickness, general area of mining.

Mine Index 6464**Babington & Kear, Babington & Kear Mine**

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Twp-Rge	Section	Quarters-Footage
Hoist shaft	Marshall	12N 9E	2	NE NE NE
Shaft	Marshall	12N 9E	2	NE NE NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
William Babington	Babington	1925-1925	482
Babington Brothers	Babington	1926-1926	363
B. Babington	Babington	1927-1927	832
Babington & Kear	Babington & Kear	1929-1934	2,507 *
Babington & Kear	Babington & Kear	1934-1935	720 **
			4,904

* Production not reported 1930-1933 for mines producing less than 1,000 tons per year; production higher than shown.

** Production after map date

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352304	5-21-1934	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, ownership, years of operation.

Microfilm ,ap, document 352304, reel 03138, frame 379 - Mine location, mine outline, mining method.

OTHER MINES SHOWN ON THE LACON QUADRANGLE

Mine Index 6061 SW SW SW 2-T12N-R9E, drift, Danville Coal source: ISGS field notes, H. B. Willman, 8-25-1930

Mine Index 6066 NW NE SE 2-T12N-R9E source: map of mine index 6053, microfilm, document 352311, reel 03138, frame 386, 1-23-1940, "Abandoned mine"

Mine Index 6067 center NE SE 2-T12N-R9E-2 source: map of mine index 6053, microfilm, document 352311, reel 03138, frame 386, 1-23-1940, "Coal mine, worked out"

Mine Index 6068 NW NE SE 2-T12N-R9E source: ISGS field notes, J. Svatik, 1930; old mine 425 feet north of Eagle Mine (mine index 6053)

Mine Index 6069 NE SE SE 10-T12N-R9E, shaft source: ISGS field notes, H. B. Willman, 1930

Mine Index 6071 NW NW NW 14-T12N-R9E, drift source: ISGS field notes, H. B. Willman, 1930

Mine Index 6072 SW NW NW 14-T12N-R9E, drift source: ISGS field notes, H. B. Willman, 1930

Mine Index 6073 SE NW NW 14-T12N-R9E, drift source: ISGS field notes, H. B. Willman, 1930

Mine Index 6075 SW SW SW 15-T12N-R9E, mine entry source: ISGS field notes, J. Svatik, 8-26-1930, 200 feet west of Frank Colwell (mine index 6074)

Mine Index 6078 SW NE NW 26-T13N-R9E source: ISGS field notes, H. B. Willman, 8-23-1930, abandoned mine dumps of considerable size, "dumps of shale from drift mines worked 15-20 years ago"

Mine Index 6079 SW SE SW 2-T12N-R9E, 4.4 feet thick source: ISGS field notes, H. B. Willman, 1930

Mine Index 6081 NW SW NW 36-T13N-R9E, slope, Danville Coal, 4.0 feet thick source: ISGS field notes, G. H. Cady, the mine extended west to schoolhouse on hill (shown by general area of mining)

Mine Index 6481 NE SW SW 2-T12N-R9E, drift source: ISGS field notes, H. B. Willman, 8-25-1930

Mine Index 6503 NE 3-T12N-R9E source: ISGS field notes, H. R. Wanless, 7-7-1930

Mine Index 6542 NE SE NE 10-T12N-R9E, two old drift mines source: ISGS field notes, J. Svatik, 8-25-1930, "on north slope near mouth of tributary"

Mine Index 6668 NW NE NW 23-T12N-R9E, active mine in gully source: ISGS field notes, J. Svatik, 8-26-1930

Mine Index 6669 SW SE NW 23-T12N-R9E, 2 abandoned drift mines in gully source: ISGS field notes, J. Svatik, 8-26-1930

Mine Index 6674 NW SE NE 22-T13N-R9E, Danville Coal source: ISGS field notes, H. B. Willman, 1931

Mine Index 6684 NW SE NE 26-T13N-R9E, slope source: ISGS field notes, H. B. Willman, 8-25-1930

Mine Index 6687 NE SE NW 26-T13N-R9E, mine dump source: ISGS field notes, H. B. Willman, 8-25-1930

NON-COAL MINES IN THE LACON QUADRANGLE

Hydraulic-Press Brick Company, Sparland Clay Mine

Type	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

Source Map	Date	Original Scale	Digitized Scale	Map Type
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

Annotated Bibliography (data source, brief description of information)

Microfilm map, document 352317, reel 03138, frame 392 - Mine location, mine outline, mining method.

MINES WHOSE LOCATIONS ARE NOT KNOWN, LACON 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 Lacon 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 of 334,518 tons was produced by these unlocated mines, which would represent approximately 85 to 140 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres) Some of these mines may be located on the Chillicothe Quadrangle.

ADDRESSES NEAR LACON

Strong (Alfred), 1926-1926	438 tons
Lake View Mine, 1927-1929	2,599 tons
Wilson Brothers Coal Company, surface mine, 1949-1950	1,852 tons

MINES WITH ADDRESSES NEAR SPARLAND

Nighswonger (Clarence), 1949-1950	258 tons	Mine Index 2746
Lopeman & Nighswonger, 1951-1951	<u>130</u> tons	
	388 tons	
Robertson (Guy), 1940-1940	354 tons	Mine Index 6056
R. & R. Coal Company (Robertson & Rasher), 1941-1941	<u>414</u> tons	
	768 tons	
Simpson (R. H.), No. 1, 1931-1934	5,260 tons	
Simpson (W. H.), No. 1, 1935-1935	<u>855</u> tons	
	6,115 tons	
Saville (Charles), 1883-1888, drift, 60, 3.5, RP	1,428 tons	
Mathias (David), 1882-1884, drift, 50, 3.5, RP	280 tons	
Frisbie (R. M.), 1883-1888, drift, 60, 3.5, RP	1,920 tons	
Osborne (W. M.), 1882-1889, drift, 100, 3.5, RP	7,368 tons	
Baugh (William), 1908-1915, drift, 8-150, 3.0-4.0, RP	6,552 tons	
Hoadley & Osborne, 1883-1884, drift, 60, 3.5, RP	160 tons	
Kear (George), 1884-1888, drift, 40, 3.5, RP	440 tons	
Davis (John), No. 1 Mine, pre1882-1884, drift, 50, 3.5, RP	320 tons	
Davis (John), No. 2 Mine, 1884-1885, 50, 3.5, RP	140 tons	
Osborne (Scott), 1885-1888, drift, --, 3.5, RP	720 tons	
Davis (John), 1886-1887, drift, --, 3.5, RP	100 tons	
Davis (Henry), 1887-1888	<u>200</u> tons	
	300 tons	
Flynn (John), 1886-1887, drift, --, 3.5, RP	240 tons	

Murray (George), 1886-1887, drift, —, 3.5, RP	440 tons
Lanning (Bernard), 1887-1906, drift, 46-50, 3.25-4.0, RP	3,002 tons
Wright (Cyrus), No. 1 Mine, 1887-1891, drift, —, 3.75, RP	810 tons
Cartwright (K. W.), 1889-1890	300 tons
Kear (George), 1891-1891, drift, —, 3.75, RP	108 tons
Chrisman (George), 1892-1902, drift, 50, 3.3-3.8, RP	3,286 tons
Nelson (Andrew), 1892-1894, drift, 70, 2.5-3.6, RP	578 tons
Hoadley (Wallace), 1894-1895	<u>180 tons</u>
	758 tons
Davis (Henry), 1893-1895, drift, 40, 2.6-3.6, RP	480 tons
Wright (Cyrus), No. 2 Mine, 1893-1894, drift, 40-60, 2.5-4.0	480 tons
Ingram (Robert H.), 1894-1925	<u>29,675 tons</u>
	30,155 tons
Ingram (R. H.), 1929-1934	556 tons
Sable / Seville (Charles), 1895-1895, drift, 40, 3.6, RP	100 tons
Cerva (John), 1894-1895, drift, 50, 3.6, RP	125 tons
Davis (John), 1894-1895, drift, 40, 3.6, RP	95 tons
Frisbie (W. E.), 1896-1897, drift, 69, 3.5-3.6, RP	180 tons
Cumming (A. B.), 1896-1898, drift, 150, 3.6-4.0, RP	1,225 tons
Nighswonger (L.), 1897-1898, drift, 40-60, 3.9-4.0, RP	300 tons
Nighswonger Brothers, 1899-1902	860 tons
Nighswonger (Louis), 1902-1907	<u>982 tons</u>
	2,142 tons
Kear (George), 1898-1902, drift, —, 3.8, RP	874 tons
Frisbie (E. O.), 1899-1902, drift, 60-150, 3.0-4.0, RP	1,068 tons
Frisby (W. E.), 1902-1909	6,512 tons
Frisby (E. O.), 1909-1910	202 tons
Frisby (Oscar), 1910-1911	100 tons
Frisby & Davis, 1911-1912	<u>153 tons</u>
	6,967 tons
Newell & Hamilton, 1899-1901, drift, —, 3.8, RP	710 tons
Newell (Ianthus), 1901-1902	<u>880 tons</u>
	1,590 tons
Smith (Charles), 1899-1900, drift, —, 3.9, RP	138 tons
Wright (Cyrus), 1901-1903	620 tons
Davison (Travis), 1901-1902	480 tons
Barr (Frank A.), 1902-1907, drift, 60-65, 3.0-4.0, RP	14,780 tons
Barr Coal, Light & Power Company, 1907-1908	3,837 tons
Barr (Frank), 1908-1910	<u>8,295 tons</u>
	26,912 tons
Myers (John), 1903-1906, drift, 37, 3.6-4.0, RP	752 tons

Winesburger (Jasper), 1905-1906, drift, 72, 3.6-4.5, RP	600 tons
McLaughlin (O. W.), 1906-1907, drift, 70, 4.0, RP	640 tons
Pettit (H.), 1906-1907, drift, 60, 4.0, RP	230 tons
Harr (W. L.) & Webber, 1907-1908, —, 60, 4.0, RP	1,120 tons
Webber (Jacob), 1907-1908, —, 60, 4.0, RP	400 tons
Passant (Emory), 1908-1908, —, 60, 4.0, RP	200 tons
Curtis (John), 1909-1913, drift, —, 3.0-4.0, RP	2,120 tons
Davis (Charles), 1913-1915	1,035 tons
Davis (George W.), 1915-1917	700 tons
Davis (Fred C.), 1917-1920 (idle 1920)	905 tons
Davis (Francis), 1920-1921	<u>269</u> tons
	5,029 tons
Ray (William), 1909-1912, drift, —, 3.0, RP	1,059 tons
Lopeman Brothers, 1911-1913, drift, 18-100, 3.3-4.0, RP	1,500 tons
Lopeman (William), 1913-1915	343 tons
Lopeman (Thomas), 1917-1921	<u>3,860</u> tons
	5,703 tons
Snell & Frisby, 1912-1912, drift, 100, 3.5, RP	110 tons
Christman (George H.) & Sons, 1914-1916, drift, —, 3.5-4.0, RP	762 tons
Hadel (F. G.), 1916-1917	1,790 tons
Diamond Star Coal Company, 1917-1919	1,830 tons
Hegel & Son, 1919-1920	1,468 tons
Christman (George), 1920-1929	<u>7,731</u> tons
	13,581 tons
Neighsanger (Louis), 1915-1916, drift, —, 3.5-3.8, RP	167 tons
Davis & Colwell, 1915-1916, drift, 62, 4.0, RP	200 tons
Miller & Olson, 1916-1917	<u>210</u> tons
	410 tons
Hogley (Nelson), 1916-1916, drift, 150, 4.0, RP	99 tons
Acme Coal Company, No. 3, 1916-1917, drift, —, 3.6-4.0, RP	13,621 tons
Star Coal Company, No. 3, 1917-1920	83,005 tons
Star Buck Coal Company, 1920-1921	<u>2,242</u> tons
	98,868 tons
Holmes, Tanner & Hoagly, 1916-1917	280 tons
Holmes & Tanner, 1917-1919	<u>891</u> tons
	1,171 tons
Crew (Roy), 1917-1917	50 tons
Crew (Raymond), 1919-1923	<u>345</u> tons
	395 tons
Colwell (Ruben), 1912-1916, drift, 12, 3.0-3.5, RP	1,173 tons
Colwell (Abe), 1916-1917	<u>40</u> tons
	1,213 tons
Colwell (Ruben), 1916-1917	208 tons
Kenney & Prible, 1917-1918	1,272 tons

Nigsonger (Clarence), 1918-1925	3,716 tons
Frisby (E. O.), 1919-1922	1,899 tons
Frisby & Williams, 1922-1923	915 tons
Frisby Coal Company, 1923-1924	1,146 tons
Frisby (E. O.), 1924-1925	660 tons
Frisby (O. F.), 1925-1928	2,077 tons
Frisby (E. O.), 1929-1929	<u>482</u> tons
	7,179 tons
Lishman (Thomas F.), 1919-1919	80 tons
Reed (J. L.), 1919-1920	896 tons
Crew & Frisby, 1920-1920	75 tons
Rae (Robert), 1920-1925	28,029 tons
Liptack Coal Company, 1921-1924	3,707 tons
Johnson (James), 1920-1923,	1,727 tons
Cummings Coal Company, 1920-1925	5,147 tons
Daniel & Maderis, 1921-1921	231 tons
Beardly (Charles), 1920-1922	210 tons
Beardly (George), 1922-1923	<u>130</u> tons
	340 tons
Mayers (J.), 1921-1921	149 tons
Endeun (John), 1922-1924	5,441 tons
Frisby & Shonts, 1922-1923	350 tons
Griffins & Sholty, 1923-1924	<u>524</u> tons
	874 tons
Nigsonger & Kazer, 1922-1923	391 tons
Strong (Alfred M.), 1922-1923	484 tons
Dalton (William) Coal Company, 1922-1924	1,786 tons
Tauverque (Dorime), 1922-1923	1,140 tons
Faburt Coal Company, 1922-1923	2,080 tons
Lishman & McHall, 1923-1924	369 tons
Williams (William), 1924-1927	852 tons
Williams (William), 1934-1934	55 tons
Ditts (William), 1925-1925	760 tons
Sranton (L.), 1925-1925	120 tons
Lafflin (William), 1924-1925	112 tons
Lafflin & Reece, 1925-1925	<u>772</u> tons
	884 tons
Curley (J. W.), 1925-1925	25 tons
Myers (Jack), 1925-1925	25 tons

Hillside Coal Company, 1925-1925	240 tons
Davis Brothers, 1926-1926	110 tons
Davis & Sons, 1927-1927	<u>109</u> tons
	219 tons
Davis (Fred), 1926-1927	233 tons
Nelson (Thomas H.), 1927-1928	209 tons
Schandler (William), 1929-1929	220 tons
Schultz (Martin), 1929-1934	568 tons
Simpson (R. H), No. 2 Mine, 1932-1935	2,229 tons
Simpson (W. H.), No. 2 Mine, 1936-1936	<u>535</u> tons
	2,764 tons
Hagel (Frank), 1934-1934	40 tons
Young (James), 1934-1934	134 tons
Bagg (Charles), 1934-1934	151 tons
Green Coal Company, 1934-1934	343 tons
Green & Lishman, 1935-1935	<u>811</u> tons
	1,154 tons
Wren (Warren) & Dawson, 1934-1935	730 tons
Dawson Brothers, 1936-1937	<u>1,412</u> tons
	2,142 tons
Cummings Brothers, 1934-1934	411 tons
Cummings (A. G.), 1935-1935	<u>75</u> tons
	486 tons
Davis & Ingram, No. 1, 1935-1935	374 tons
Ingram & Davis, No. 2, 1935-1936	522 tons
Williams & Schultz, 1935-1936	253 tons
Davis (John), 1935-1935	602 tons
Green (Louis), 1935-1936	319 tons
Walsh & Yelm, 1935-1936	496 tons
Hines (J. J.), 1935-1935	132 tons
Strong & Chrisman, 1935-1935	114 tons
Colwell Coal Company, 1936-1936	219 tons
Hunt Coal Company, 1936-1937	956 tons
Babington Brothers, 1937-1938	559 tons
Green & Davis, 1938-1938	368 tons
Babington Brothers, 1939-1939	<u>88</u> tons
	1,971 tons
Babington & Ingram, 1937-1937	798 tons
Green Coal Company, 1940-1940	16 tons

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