Coal Mines in Illinois
Petersburg Quadrangle
Menard & Mason Counties, Illinois

Springfield Coal

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

Mining Method

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

Other Areas Depicted

- Non-Coal Mines

Source of Mine Outline

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

Tipple, Shaft, Slope, Drift Locations

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

Other Points Depicted

- Non-Coal Mines

Location

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 attributes. Also note that some quadrangles have multiple seams of mining and therefore more than one map may be available for a particular quadrangle. Please take care to check for multiple maps, as extensive mining may exist in the other seams.

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

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

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

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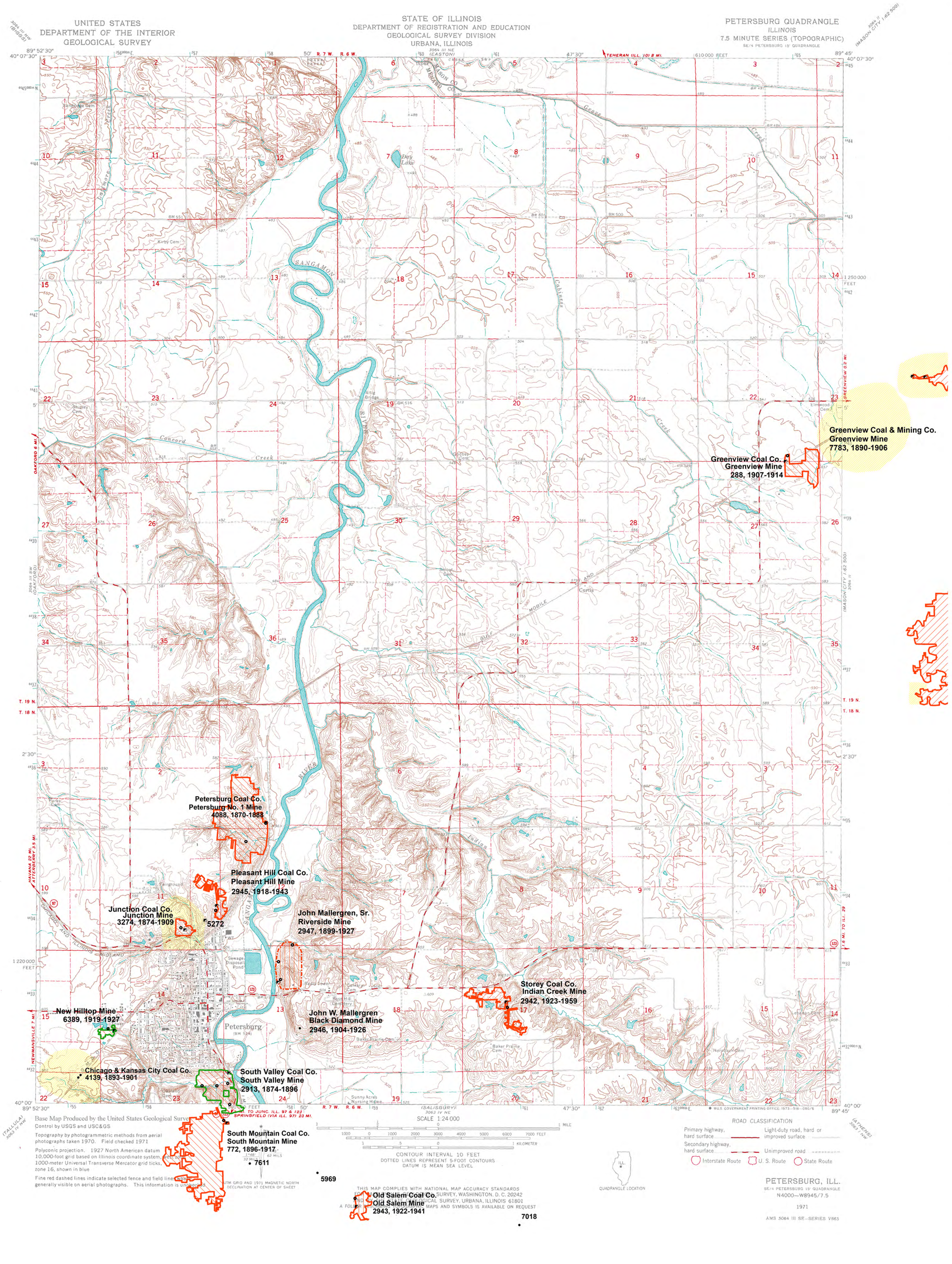
Mine Outlines Compiled by
Margaret Bargh

1994; revised 2004 & 2017



DIRECTORY OF COAL MINES IN ILLINOIS
7.5-MINUTE QUADRANGLE SERIES
PETERSBURG QUADRANGLE
MENARD AND MASON COUNTIES

Margaret Bargh

Department of Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY
1994
REVISED 2005

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1994
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Cover photo Track-mounted duckbill loading machine at a Peabody Coal Company mine, ca. 1915.

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

The ISGS updates the maps and directories periodically, and welcomes any new information or corrections. Please contact the Coal Section of the ISGS at the address shown on the title page of this directory, or telephone (217) 244-2420.

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CONTENTS

INTRODUCTION

Coal has been mined in 73 counties of Illinois. More than 4,500 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 PETERSBURG QUADRANGLE

Mining began in this quadrangle in the 1870s when the J. C. Cabanis sank a shaft for the Junction Mine (mine index 3274) and T. F. Laning opened the Petersburg No. 1 Mine (mine index 4088) north of Petersburg while the South Valley Mine (mine index 2913) was operating south of town. The Junction Mine operated longer than most, over 35 years. A number of coal companies operated in the area, more or less continuously, until 1959, when the last mine, the Indian Creek Mine, was closed.

Only the Springfield coal seam was mined in this quadrangle. The coal was approximately 6 feet thick and ranged in depth from 65 to 144 feet. Horsebacks and clay dikes were frequently encountered.

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.

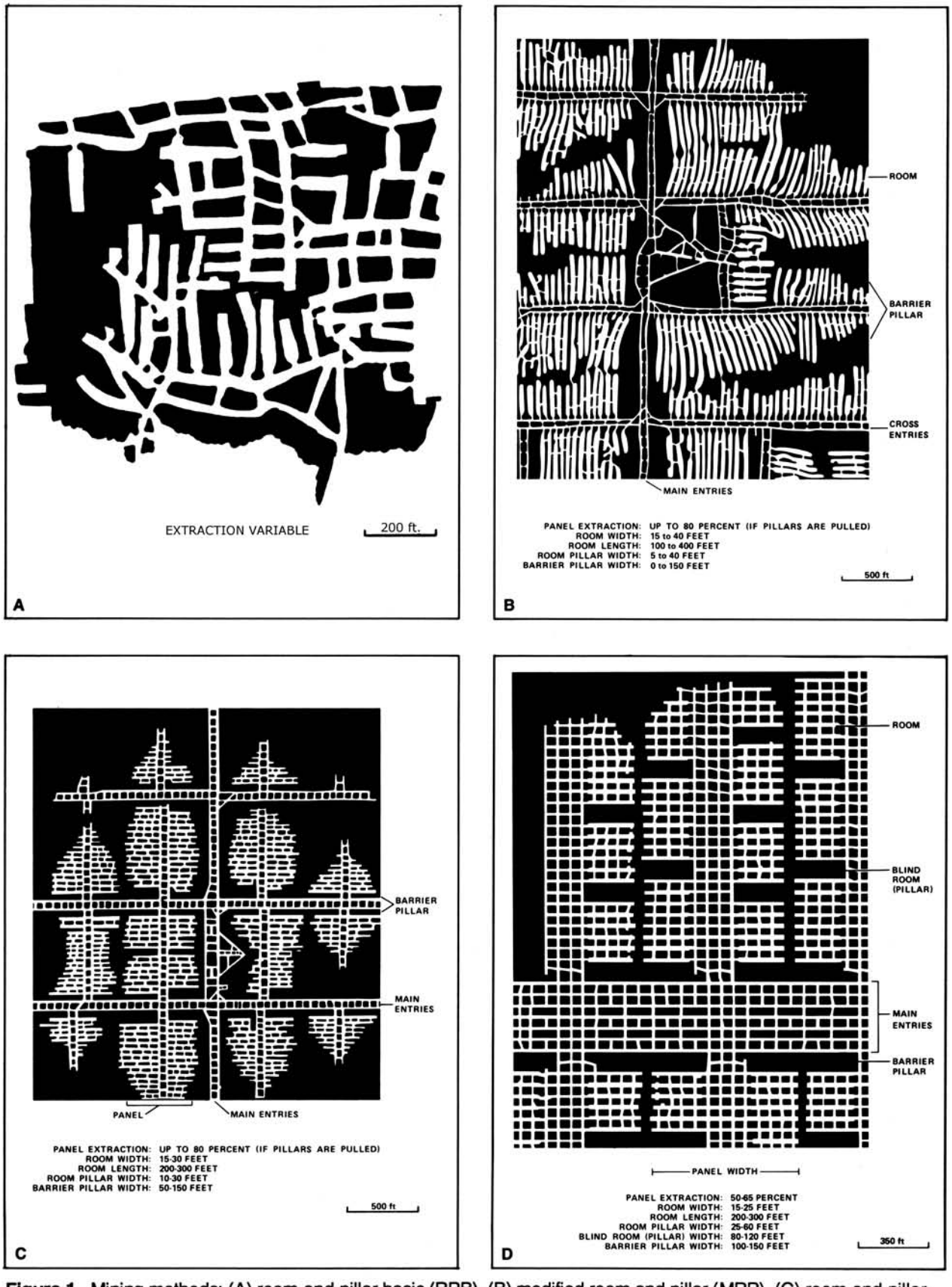
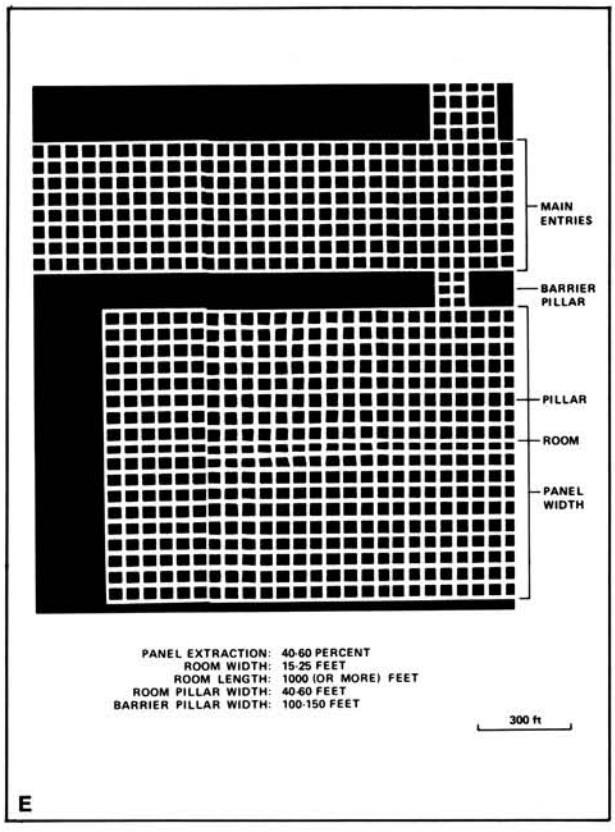
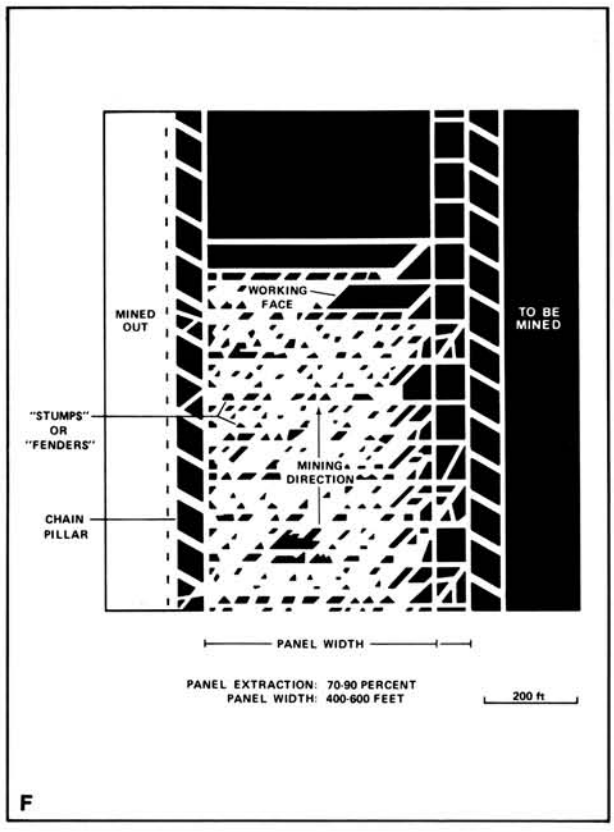
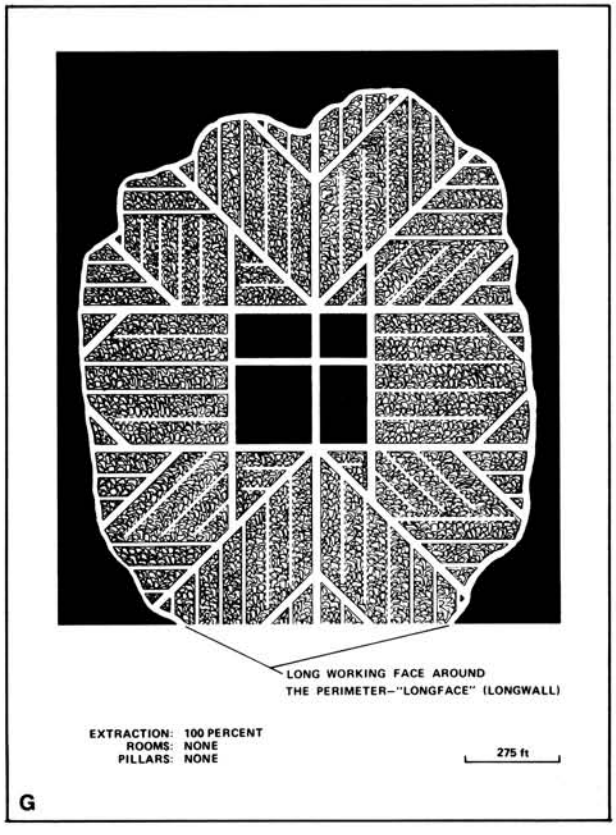


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).







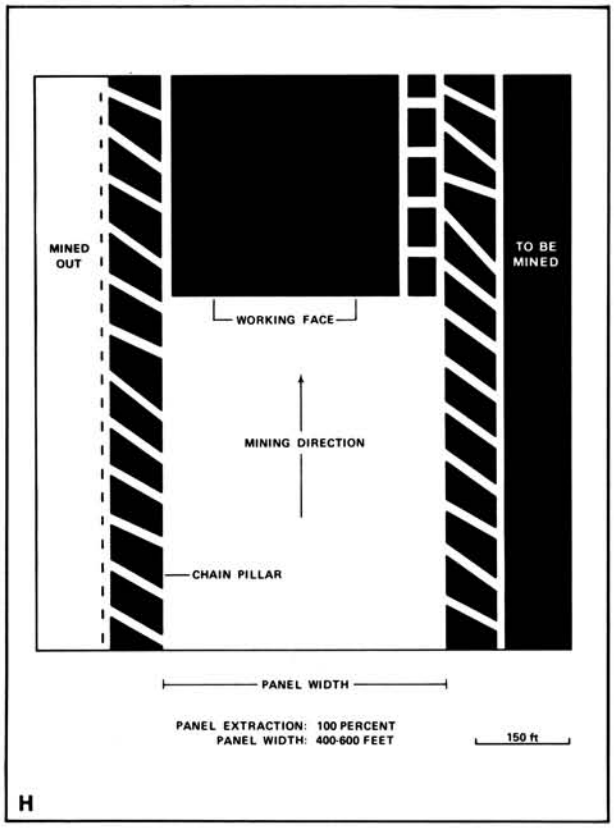


Figure 1 *(cont.)* Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall

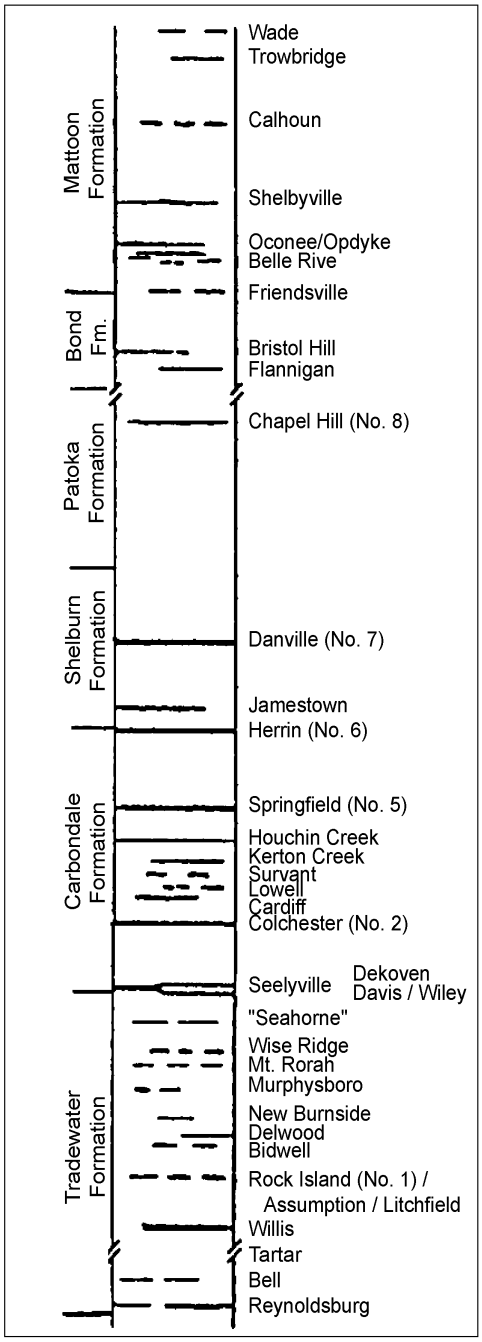


Figure 2 Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

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 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 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

Bauer, R. A., B. A. Trent, and P. B. Dumontelle, 1993, Mine Subsidence in Illinois: Facts for the Homeowner Considering Insurance: Illinois State Geological Survey, Environmental Geology Note 144, 16p.

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

PART II DIRECTORY OF MINES IN THE PETERSBURG QUADRANGLE

MINE SUMMARY SHEETS
A summary sheet on the geology and production history of each mine in the Petersburg Quadrangle is provided. The summary is arranged numerically by mine index number, which is shown on the map and in the mine listing. Consult Part I for a complete explanation of the data listed in the summary sheet.

Mine Index 288
Greenview Coal Company, Greenview Mine

Type: Underground Total mined-out acreage shown: 32 Production indicates approximately 8 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Shaft	Menard	19N 6W	27	NE NW NE
Air shaft	Menard	19N 6W	22	SW SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Ave	Mining Method
Springfield	100-110			5.67-6.0	MRP

Geologic Problems Reported: The mine was idled for a month in 1900 from water flooding the mine after a roof fall.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Greenview Coal Company	Greenview	1907-1912	108,213
Greenview Coal Company	Greenview	1912-1914	41,666 *
			149,879

* Production after map date

Last reported production: 1914

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MSHA_1346	9-1912	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness, mining method.
Directory of Illinois Coal Mines (Menard County) - Mine names, mine index, ownership, years of operation.
Mine notes (Menard County) - Mine type, shaft location, seam.
State archive, MSHA_1346, courtesy of Robert Gibson, DNR - Mine outline, shaft locations, mining method.

Mine Index 2913
South Valley Coal Company, South Valley Mine

Type: Underground Total mined-out acreage shown: 51

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	18N 7W	24	NW NW NW
Hoist shaft	Menard	18N 7W	24	SW NW NW *
Air shaft	Menard	18N 7W	24	NW NW NW
Air shaft	Menard	18N 7W	23	NE NE NE
Air shaft	Menard	18N 7W	23	NE NE NE

* This hoist shaft is shown on the source map in an unmined area and may be the shaft for a different mine. See the unlocated mines at the back of this report.

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Ave	Method
Springfield	86	5.5	7.0	6.0	MRP

Geologic Problems Reported: There were water problems, which caused the mine to close. A slope was dug and a new mine was later opened as South Mountain Mine (Salisbury Quadrangle, mine Index 772). This later mine is believed to have been opened just south of the original opening for South Valley Mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wolf Fuelner	Fuelner	ca. 1874-1882	1,500 **
South Valley Coal Company	South Valley	1882-1883	2,800
J. C. Cabanis	South Valley	1883-1889	31,186
Cabanis & Axford	South Valley	1889-1891	9,269
J. A. Brahm	South Valley	1891-1895	40,769
South Valley Coal Company	South Valley	1895-1896	19,000
			104,524

** The mine was shown on the 1874 plat, but the precise opening year is unknown. Production and ownership before 1882 are unknown.

Last reported production: 1896

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352233	7-1896	1:2400	1:4634	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Menard County) - Mine names, mine index, ownership, years of operation.
Mine notes (Menard County) - Mine type, shaft location, seam, depth, thickness, geologic problems.
Microfilm, document 352233, reel 03138, frames 296 & 297 - Shaft locations, mine outline, mining method.

Mine Index 2942
Storey Coal Company, Indian Creek Mine

Type: Underground Total mined-out acreage shown: 25 Production indicates less than 1 additional acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	18N 6W	17	SW SE NW
Air shaft	Menard	18N 6W	17	SW SE NW

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Ave	Method
Springfield	140	5.8		6.0	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Indian Creek Coal Company	Indian Creek	1923-1925	5,924
W. F. Sewell & Jesse K. Bell	Indian Creek	1925-1933	53,840 *
Indian Creek Coal Company	Indian Creek	1934-1958	117,039 **
Storey Coal Company	Indian Creek	1958-1958	1,049
Storey Coal Company	Indian Creek	1959-1959	1,053 ***
			178,905

* Coal production not available for 1933, but two unidentified mines in Menard County produced less than 1,000 tons each in 1933.
** Idle 1949
*** Production after map date

Last reported production: March 1959

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352223	9-22-1958	1:1200	1:2234	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Menard County) - Mine names, mine index, ownership, years of operation.
Mine notes (Menard County) - Mine type, shaft location, seam, depth, thickness.
Microfilm map, document 352223, reel 03138, frame 281 - Shaft locations, mine outline, mine type, mine method.

Mine Index 2945
Pleasant Hill Coal Company, Pleasant Hill Mine

Type: Underground Total mined-out acreage shown: 16 Approximately 2 additional acres were mined, probably to the northwest.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	18N 7W	11	SE NE SE
Air shaft	Menard	18N 7W	11	SE NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Ave	Mining Method
Springfield	144			6.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Klingbeil Coal Company	Klingbeil	1918-1938	113,616
Klingbeil Coal Company	Klingbeil	1938-1938	1,540 *
Pleasant Hill Coal Company	Pleasant Hill	1938-1942	13,627 *
			128,783

* Production after map date

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352208	2-16-1938	1:1200	1:1986	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Menard County) - Mine names, mine index, ownership, years of operation.
Mine notes (Menard County) - Mine type, shaft location, seam, depth, thickness.
Microfilm map, document 352208, reel 03138, frame 262 - Shaft locations, mine outline, mine type.

Mine Index 2946
John W. Mallergren, Black Diamond Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	18N 7W	13	SW NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Ave	Mining Method
Springfield	80			6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
John W. Mallergren	Black Diamond	1904-1906	2,686
idle or reported under another name		1906-1913	
John W. Mallergren	Black Diamond	1913-1926	66,582
			69,268

Last reported production: 1926

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes (W. B. Roe)	5-4-1931	1:62500	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, mining method.
Mine notes (Menard County) - Mine type, shaft location, mine name.

Mine Index 2947
John Mallergren, Sr., Riverside Mine

Type: Underground Total mined-out acreage shown: 46 Approximate acreage shown, as map outlines are not clearly defined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	18N 7W	13	NE SE NW
Air shaft	Menard	18N 7W	13	SE NE NW
Air / escape shaft	Menard	18N 7W	12	SW SW SE
Air shaft (oldest)	Menard	18N 7W	13	NE SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Ave	Mining Method
Springfield	80			6.0	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Miller & Sampson	Miller & Sampson	1899-1900	1,520
Joseph Mallergren	Mallergren	1900-1903	5,109
Riverside Coal Company	Riverside	1903-1905	2,480
John Mallergren *	Riverside	1905-1912	27,204
John Mallergren, Sr.	Riverside	1912-1920 **	45,579 **
			81,892

* The spelling of Mallergren is uncertain. The listing in the Coal Reports was uncertain, and this name was spelled Mallegrahm, Mallegraham, Mallegram, millegram, Mallergran, Mellengrin, Mallergreen and Mallengren. Mellergren was the most frequently used version for John Sr. and John W. (John Jr.).
** The microfilm source map showed surveys done in 1915, 1921, 1925 and 1927. The mine was apparently active in 1925 and 1927, but the production is unknown. None of the unlocated mines with the Petersburg address fit the Riverside Mine.

Last reported production: 1920

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352447	7-1911	1:1200	1:1200	Not final
Microfilm, document 352221	12-13-1927	1:1200	1:1490	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Menard County) - Mine names, mine index, ownership, years of operation.
Mine notes (Menard County) - Mine type, shaft locations, seam, depth, thickness.
Microfilm map, document 352447, reel 03139, frame 123 - Mine outline, shaft locations (hoist, oldest air).
Microfilm map, document 352221, reel 03138, frame 279 - Mine outline, shaft locations (hoist, later air), mining method.

Mine Index 3274
Junction Coal Company, Junction Mine

Type: Underground Total mined-out acreage shown: 9 Production indicates more than 75 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	18N 7W	11	NE SW SE
Air / escape shaft	Menard	18N 7W	11	NE SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Ave	Mining Method
Springfield	65-100			5.5-6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
J. C. Cabanis & Company	Junction	ca. 1874-1883	27,500 *, **
Petersburg Coal Company	Junction, Petersburg No 2	1883-1885	37,000 **
Junction Coal Company	Junction	1885-1886	2,000 **
J. Wilkins & Company	Junction	1886-1889	54,118 **
A. E. Estill & Company	Junction	1889-1891	52,446 **
J. P. Gaffigan	Junction	1891-1893	30,938 **
J. P. Gaffigan Cooperative Coal Company	Junction	1893-1895	42,850 **
Petersburg Cooperative Coal Company	Junction	1895-1897	50,000 **
idle		1898-1900	none
Junction Cooperative Coal Company	Junction	1900-1902	13,607 **
Valley Coal Company	Junction	1902-1903	15,000 **
Ensley Coal Company	Junction	1903-1904	15,260 **
Manchester Coal Company	Junction	1904-1908	52,216 **
Junction Coal Company	Junction	1908-1909	2,772 **
			395,707

* Production prior to 1882 unknown. The 1882 Coal Report indicated 10 acres were mined. The mine was shown on the 1874 plat, but the precise opening year is unknown.
** Production after map date

Last reported production: 1909

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352227	3-1-1880	unknown	1:3900	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Menard County) - Mine names, mine index, ownership, years of operation.
Microfilm map, document 352227, reel 03138, frame 285 - Shaft location, mine outline, mining method.
Plat of Menard County, 1874, published by George A. Ogle & Co., Chicago, Illinois - Years of operation.

Mine Index 4088
Petersburg Coal Company, Petersburg No. 1 Mine

Type: Underground Total mined-out acreage shown: 119 Production indicates approximately 12 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	18N 7W	1	SE SE SW
Escape shaft	Menard	18N 7W	1	SE SE SW
Air shaft	Menard	18N 7W	12	NE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Ave	Mining Method
Springfield	65-99			5.0-8.0	MRP

Geologic Problems Reported: The mine was very difficult to work, with many horsebacks and a poor roof. Heavy timbering was required to keep the haulage routes open.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
T. F. Lanning	Lanning	ca. 1870-1882 *	9,500
Petersburg Coal Company	Petersburg No. 1 (North Shaft	1882-1886	137,250
Petersburg Coal Company	Petersburg No. 1 (North Shaft)	1886-1888	58,000 **
			204,750

* The 1882 Coal Report indicated 15 acres were mined. The 1885 Coal Report indicated that the mine had been in operation for about 15 years and the workings were very extended.
** Production after map date

Last reported production: 1888

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Atlas of Menard County	1874	1:31680	1:31680	Secondary source
Company, MSHA_1391	6-26-1886	1:1440	1:1440	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, mining method, geologic problems.
Directory of Illinois Coal Mines (Menard County) - Mine names, mine index, ownership, years of operation.
Plat of Menard County, 1874, published by George A. Ogle & Co., Chicago, Illinois - Mine location.
Company map, state archive, MSHA_1391 - Shaft locations, mine outline, mining method.

Mine Index 4139
Chicago & Kansas City Coal Company, Chicago & Kansas City Mine

Type: Underground Total mined-out acreage shown: None Production indicates 100 to 120 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	18N 7W	22	NW NE NE
Air / escape shaft	Menard	18N 7W	22	NW NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Ave	Mining Method
Springfield	155			5.5-6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago & Kansas City Coal Company	Chicago & Kansas City	1893-1901	530,238
			530,238

Last reported production: 1901

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Atlas of Menard County	1899	1:31680	1:31680	Secondary source

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 (Menard County) - Mine names, mine index, ownership, years of operation.
Ogle, George A., 1899, Standard Atlas of Menard County, Illinois, 62p. - Shaft locations.

Mine Index 5272

Type: Underground Total mined-out acreage shown: None

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	18N 7W	11	NW SE SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Unknown		before 1880	Unknown

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352227	3-1-1880	Unknown	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Microfilm, document 352227, reel 03138, frame 285, map of Junction Mine (mine index 3274) - Mine location.

Mine Index 6389
New Hilltop Mine

Type: Underground Total mined-out acreage shown: 5

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	18N 7W	14	SW NW SW
Air shaft	Menard	18N 7W	14	SW NW SW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
unknown	New Hilltop	1919-1927 *	unknown *

* Because the operating company is not known, coal production could not be tracked. The years of operation are from the survey dates on the source map. The 1920 plat showed the ownership of this parcel of land to be Effie Bradley. Production is known for Clauda Bradley (1922-1923, listed in the unlocated mines at the back of this directory), which may or may not go with this mine location.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352215	9-20-1927	1:1200	1:1490	Final
WPA	circa 1934	1:63360	1:63360	Secondary source

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Menard County) - Mine names, mine index, ownership, years of operation.
Microfilm map, document 352215, reel 03138, frame 273 - Shaft locations, mine outline.
WPA (Menard County) - Mine type, shaft locations, mine outline, georegistration aid.
ISGS map - Coal Resources of Illinois, Springfield (No. 5) Coal - Treworgy & Bargh, 1984 - Seam.

Mine Index 7783
Greenview Coal & Mining Company, Greenview Mine

Type: Underground Total mined-out acreage shown: A 275-acre general area of mining has been added to the accompanying map. Production indicates 224 to 310 acres were mined. Those acres may be east of the adjacent Menard No. 1 Mine (mine index 4207), rather than west (as shown on the accompanying map).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	19N 6W	23	NE SE NE *

* The shaft was originally constructed and used for Menard No. 1 Mine (mine index 4207).

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Ave	Mining Method
Springfield	100-109			5.67-6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Menard Coal Company	Menard No. 2	1890-1895	279,156
Greenview Coal & Mining Company	Greenview	1895-1906	1,083,258
			1,362,414

Last reported production: 1906

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Sanborn Fire Insurance Map **	1901	Unknown	1:24000	Secondary source

** The insurance map shows that the newer shaft of Menard No. 1 Mine (mine index 4207) was used by the Greenview Mine. The general area of mining shown on the accompanying map was constructed to show the approximate size of the mine based on the reported production, but the location of the general area of mining is uncertain. In the 1895 Coal Report (page 54), improvements included a statement that 2,000 feet of airway was constructed on the south side of the mine. The 1900 Coal Report noted the Greenview Coal & Mining Company had put in an electric haulage system with roadways over 5,000 feet in length, and that all the coal was on one side of the shaft. Whether the coal was east or west of the shaft is not known.

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 (Menard County) - Mine names, mine index, ownership, years of operation.
Sanborn-Perris Map Company - Shaft location.

MINES WHOSE LOCATIONS ARE NOT KNOWN, PETERSBURG QUADRANGLE

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

The total tons mined by these unlocated mines is 130,009 (98,590 underground and 31,419 by unknown method), which would represent approximately 20 to 40 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

Laning (C. B.), 1881-1882, shaft, Springfield, 65, 6.0 — 35,500 tons
This mine may be associated with the Junction Mine, mine index 3274. The 1874 and 1889 plats showed Laning owned a parcel of land in SW SE 11-T18N-R7W. C. B. Laning also purchased a shaft near Tallula (mine index 6385), but the Tallula mine was 200 feet deep, and this mine is 65 feet deep, indicating these tons were mined near Petersburg.

McDougal & Golden, 1884-1887, shaft, Springfield, 76, 5.5-6.0, RP	5,034 tons
Golden (James), 1887-1888	2,300 tons
Price (Edward), 1888-1889	1,650 tons
Rice (William), 1889-1891	2,650 tons
	11,634 tons

Hohimer (Levi), 1886-1894, shaft, Springfield, 69-85, 5.5-6.0, RP	17,648 tons
Langford & Hughes, 1894-1897	4,840 tons
Hohimer (M. A.), 1897-1899	2,392 tons
	24,880 tons

Denton (William), 1895-1903, shaft, Springfield, 60-64, 5.5-6.0, RP — 16,513 tons

O'Neill (Charles), 1900-1903, shaft, Springfield, 80, 6.0, RP	4,720 tons
Leverim (H. M.) & Company, 1903-1904	2,400 tons
	7,120 tons

Brown (John), 1908-1909, shaft, Springfield, 80, 5.5, RP — 510 tons

Andree (Adolph), 1910-1912, –, Springfield, 80, 6.0-6.17, RP	1,833 tons
Loftin (Frank), 1912-1913	600 tons
	2,433 tons

Green (George), 1920-1921 — 5,131 tons

Capicchi (Arorati), 1922-1923 — 4,352 tons

Passini (Mrs. Mary), 1924-1932 — 16,033 tons

Bradley (Clauda), 1922-1923 — 1,448 tons

Andree (Adolph), 1923-1925 — 2,100 tons

Possum Coal Company, 1926-1926 — 650 tons

Williams (John W.), 1929-1929 — 1,400 tons

Mine D. Company, 1940-1941	161 tons
Menard Coal Company, 1942-1942	144 tons
	305 tons

INDEX OF MINES IN THE PETERSBURG QUADRANGLE