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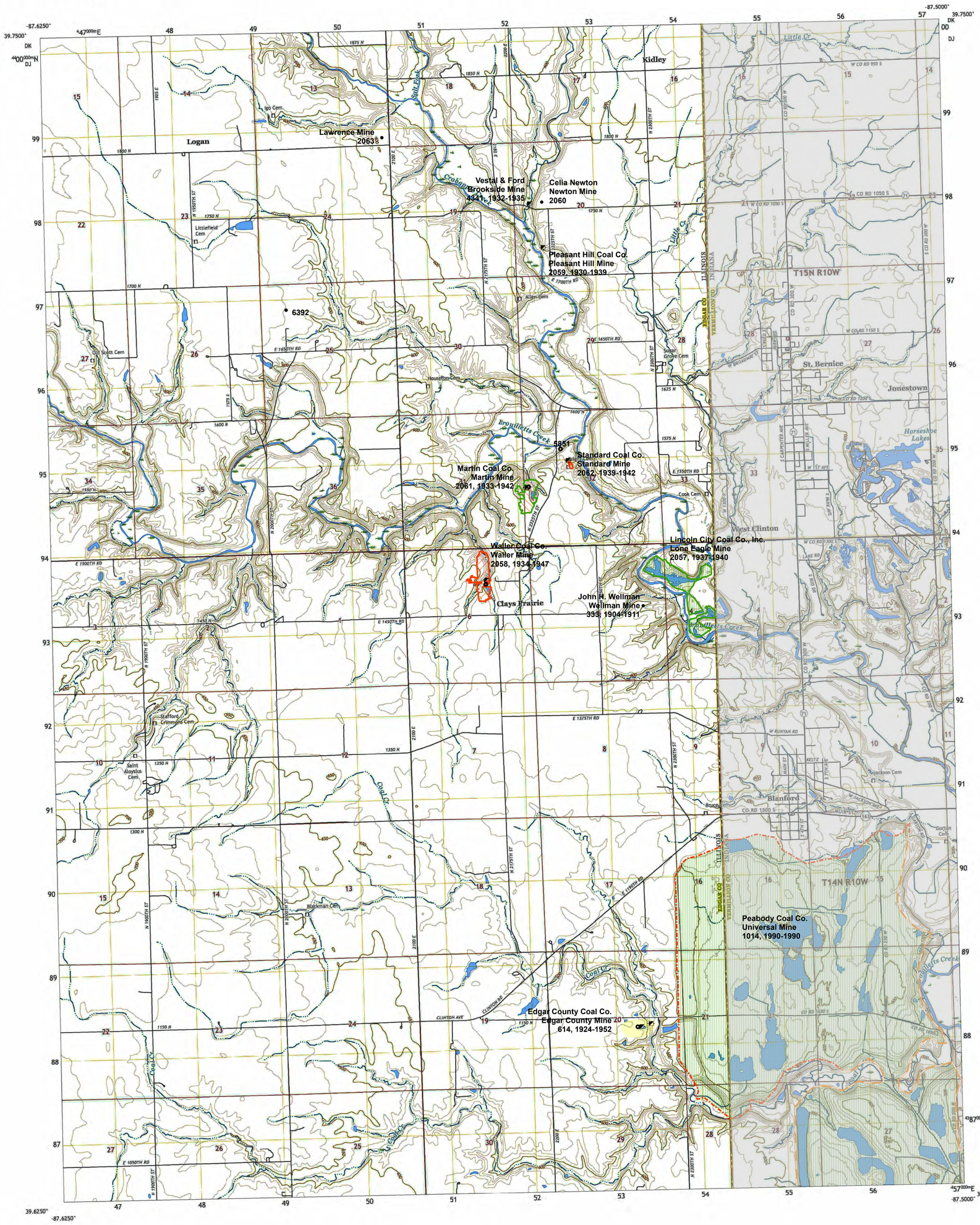
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

SAINT BERNICE QUADRANGLE
INDIANA - ILLINOIS
7.5-MINUTE SERIES



Coal Mines in Illinois
St. Bernice Quadrangle

Edgar County, Illinois

Danville Coal

This map accompanies the Coal Mines Directory for the St. Bernice Quadrangle, the map of mines in the Springfield Coal, St. Bernice Quadrangle and the map of mines in the Seelyville Coal, St. Bernice 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 permitting)
Company
Mine Name
ISGS Index No., Years of Operation

Disclaimer

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

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid:Universal Transverse Mercator, Zone 16S
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Imagery.....NAIP, August 2019 - June 2020
Roads.....U.S. Census Bureau, 2016 - 2019
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Hydrography.....National Hydrography Dataset, 2007 - 2021
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Boundaries.....Multiple sources; see metadata file 2019 - 2021
Public Land Survey System.....BLM, 2020 - 2020
Wetlands.....FWS National Wetlands Inventory 1980

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
KILOMETERS
METERS
MILES
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

QUADRANGLE LOCATION

ADJOINING QUADRANGLES
1 Chrisman
2 Scottland
3 Dana
4 Paris North
5 Clinton
6 Paris South
7 Sandford
8 New Goshen

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

SAINT BERNICE, IN, IL
2022

ILLINOIS
Illinois State Geological Survey
PRAIRIE RESEARCH INSTITUTE

Prairie Research Institute
Illinois State Geological Survey
615 E. Peabody Dr.
Champaign, IL 61820

Mine Outlines Compiled by
C. Chenoweth

June 2014

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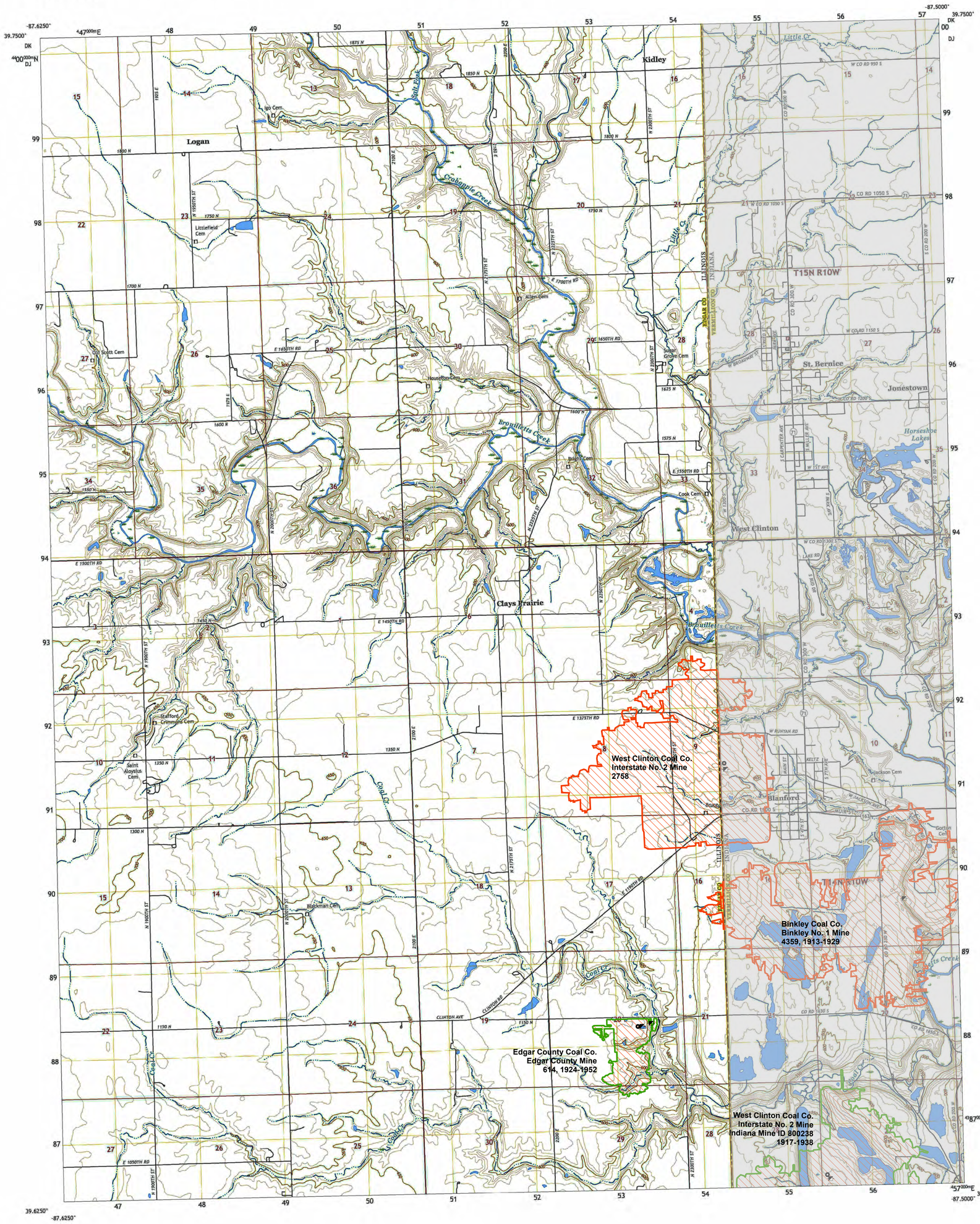

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UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid 100,000-m Square ID: DK, DJ; Grid Zone Designation 16S

SCALE 1:24 000

KILOMETERS 0 0.5 1 2
METERS 0 1000 2000
MILES 0 0.5 1
FEET 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 10 FEET
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8 New Goshen

ROAD CLASSIFICATION
Expressway, Secondary Hwy, Ramp, Local Connector, Local Road, 4WD
Interstate Route, US Route, State Route

SAINT BERNICE, IN, IL
2022

Coal Mines in Illinois
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Mine Outlines Compiled by
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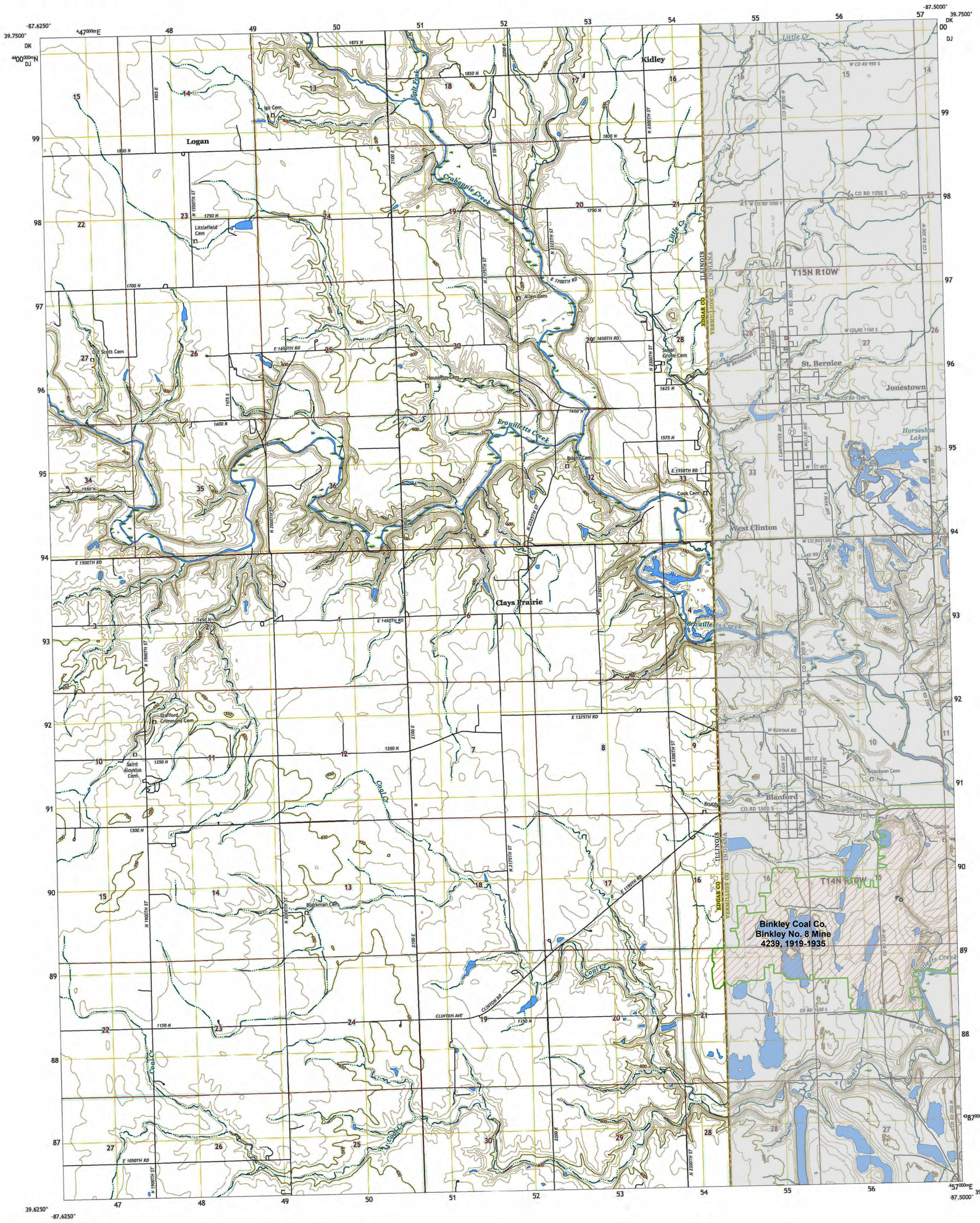

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ROAD CLASSIFICATION
Expressway, Secondary Hwy, Ramp, Local Connector, Local Road, 4WD
Interstate Route, US Route, State Route

SAINT BERNICE, IN, IL
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June 2014

DIRECTORY OF COAL MINES IN ILLINOIS
7.5-MINUTE QUADRANGLE SERIES
SAINT BERNICE QUADRANGLE
EDGAR COUNTY

C. Chenoweth & Alan R. Myers

2014, Revised 2023

Prairie Research Institute
William W. Shilts, Executive Director
ILLINOIS STATE GEOLOGICAL SURVEY
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Champaign, Illinois 61820

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ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

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

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

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

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

CONTENTS

INTRODUCTION

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

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

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

MINING IN THE SAINT BERNICE QUADRANGLE

The accompanying map does not show all the coal mines in Indiana within the Saint Bernice Quadrangle boundary. The Indiana mines that are shown cross into Illinois or were thought to at one time when the mine outlines were georegistered poorly.

Three seams were mined within the boundary of the Saint Bernice Quadrangle: Danville, Springfield, and Seelyville Coals. The Danville Coal is of a minable thickness over most of the quadrangle, but mining was confined to the shallower regions in the eastern half. The Springfield Coal was mined in the southern part of the quadrangle.

The earliest known mining in the Saint Bernice Quadrangle was in 1904, with the opening of John Wellman's mine (mine index 333). The latest mining took place in 1990 when Peabody's Universal Mine (mine index 1014) extended into Illinois from Indiana.

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.

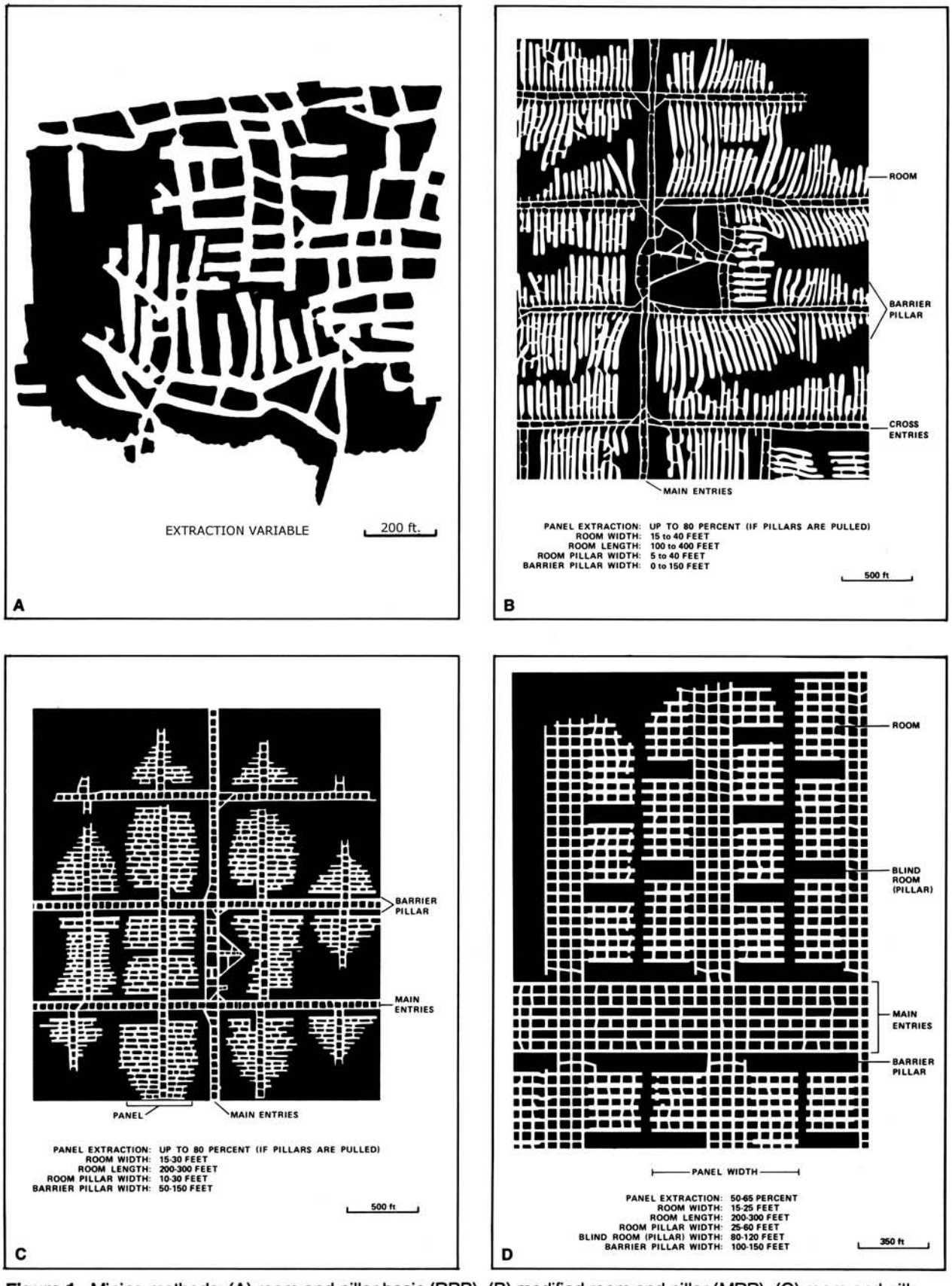
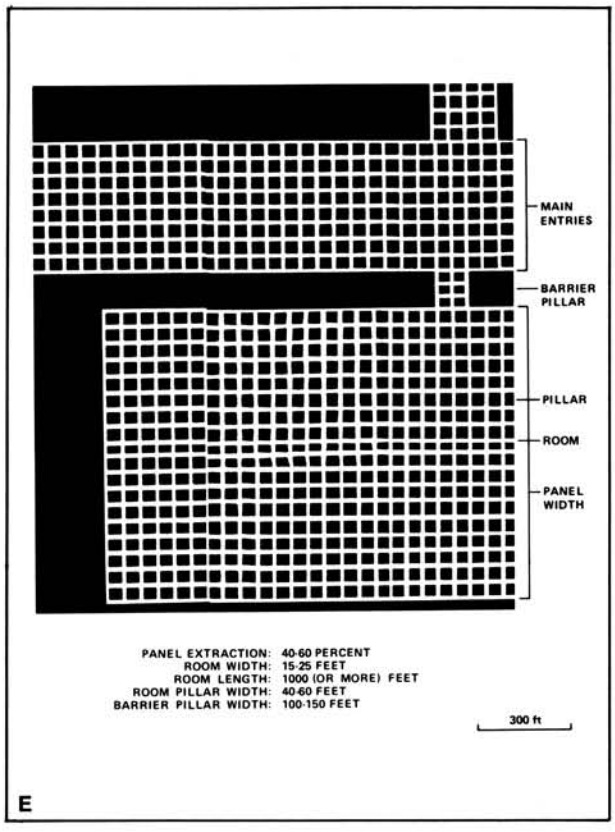
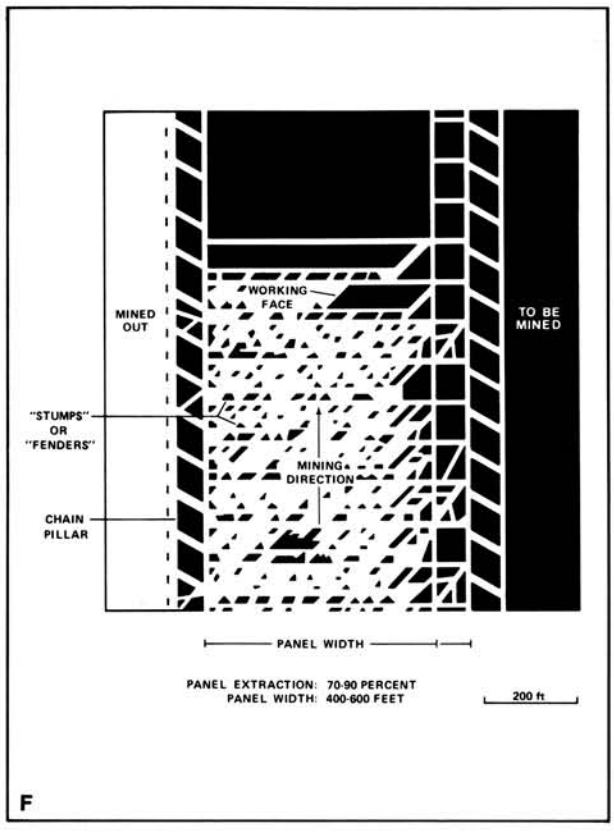
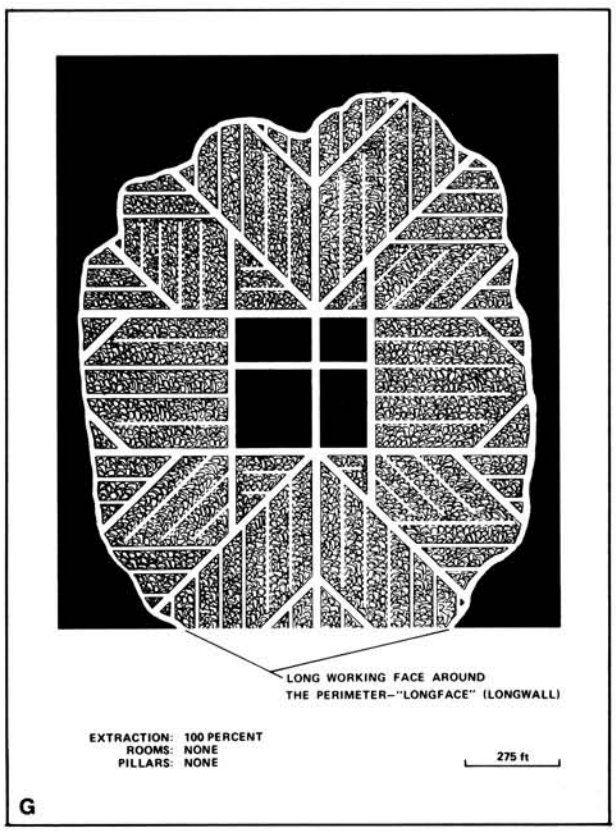


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).







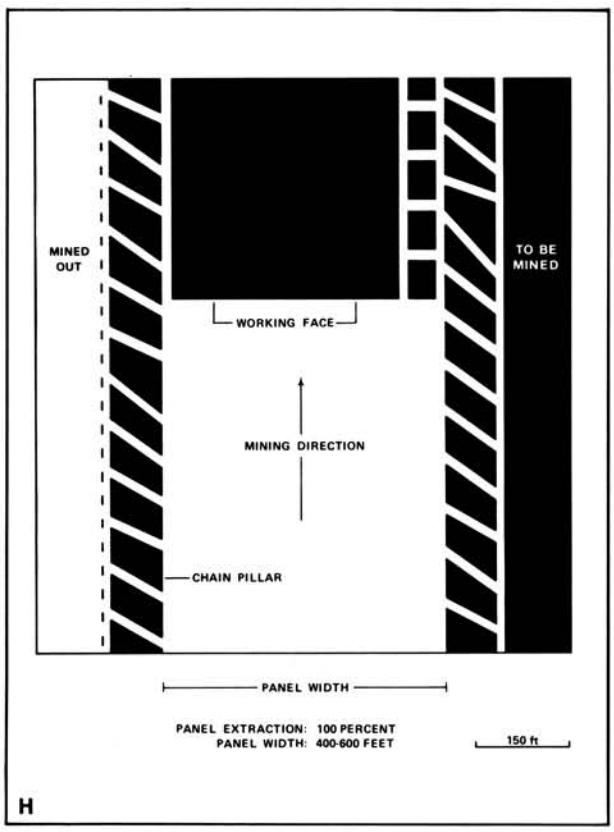


Figure 1 *(cont.)* Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall

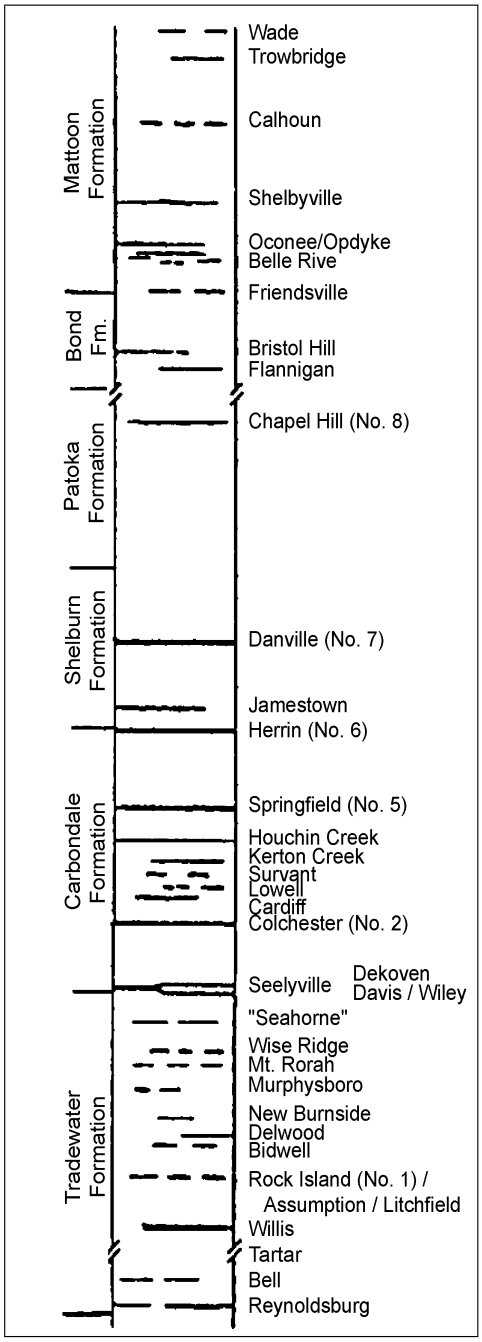


Figure 2 Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

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 SAINT BERNICE QUADRANGLE

MINE SUMMARY SHEETS
A summary sheet on the geology and production history of each mine in the Saint Bernice 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 333
John N. Wellman, Wellman Mine

Type: Underground Total mined-out acreage shown: None; production indicates approximately 2 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Edgar	14N 10W	5	SW SE NE

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
Danville	50	4.33	5.0	4.5	RP

Geologic Problems Reported: Pockets of gas were occasionally found in the coal. The roof consisted of 3 inches of clod over bone coal, with 48 to 75 feet of gray-blue shale. The top 24 inches of coal was bone coal, which was left up to form the roof of the mine. The coal contained numerous large and small clay veins, one of which measured 12 feet by 4 feet. Pyrite bands from 1/8 inch to ½ inch thick were noted.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
John N. Wellman	Wellman	1904-1911	7,243
			7,243

Last reported production: 1911

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes (J. Udden)	9-16-1908	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

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

Mine Index 614
Edgar County Coal Company, Edgar County Mine

Type: Underground Total mined-out acreage shown: 96 in the Springfield Coal No map exists for production in the Danville Coal. Production indicates approximately 20 acres were mined in the Danville Coal, which is shown on the accompanying map as a general area of mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Hoist shaft	Edgar	14N 10W	20	NW NE SE
Air shaft	Edgar	14N 10W	20	NE NW SE
Shaft	Edgar	14N 10W	20	NE NW SE

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
Danville	135	4.0	4.8	4.5	RPP
Springfield	277	4.6	5.33	4.33-5.0	RP

Geologic Problems Reported: The roof of the Danville Coal was 20 to 24 inches of bone coal or black jack. The coal contained pyrite bands that were persistent across several feet of the working face. The pyrite separated easily from the Danville Coal and was usually broken off as the coal was being loaded. Horsebacks were common, and usually extended downward from the roof. The horsebacks ranged from 1 to 10 feet wide, and sometimes were the cause of abandoning a room. In 1935 the shaft was deepened to the Springfield Coal, which had a black shale roof that contained pyritic coal balls. The Springfield Coal was not interrupted by horsebacks, but did contain many pyrite bands.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Edgar County Coal Company	Edgar County	1924-1925	6,674
A. N. Poli	Poli	1926-1926	3,149
Edgar County Coal Company	Edgar County	1927-1952	510,899 *
			520,722

* Production for the Danville Coal was 84,485 tons and for the Springfield Coal, 436,237 tons.

Last reported production: April 1952

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351412	10-12-1952	1:600	1:1117	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Edgar County) - Mine names, mine index, ownership, years of operation.
Mine notes (Edgar County) - Mine type, shaft location, seams, depth, thickness, geologic problems.
Microfilm map, document 351412, reel 03136, frames 30 & 31 - Shaft locations, mine outline, mining method.

Mine Index 1014
Peabody Coal Company, Universal Mine

Type: Surface Total mined-out acreage shown: 3,090 The area shown is incomplete, as the mine extends beyond the quadrangle boundary in Indiana.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Edgar	14N 10W	21 & 28	

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Danville	149			5.4-6.9	Surface

Geologic Problems Reported: Pyritic nodules and lenses appeared throughout the seam. The lenses averaged 1 foot long and less than 6 inches thick, but one lense was 3 feet long. The maximum dimension was 3 feet thick and 20 feet long. Clay dikes were noted in the pit. The mine was closed because the coal from the mine did not meet the contract specifications, and the coal from another mine was used to fulfill the contract.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Peabody Coal Company	Universal	1990-1990 *	1,380,200 *
			1,380,200

* Records indicate 229,000 tons were mined in Indiana in 1989 and the mine was closed before June of 1991.

Last reported production: 1990

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	1-1-1991	1:12000	1:12000	Not final
USGS topographic map, Saint Bernice	1966, PR 1987	1:24000	1:24000	Secondary source
IGS Coal Mine Information System	unknown	unknown	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth.
Directory of Illinois Coal Mines (Edgar County) - Mine names, mine index, ownership, years of operation.
Mine notes (Edgar County) - Mine type, pit location, seam, thickness, geologic problems, mine outline (Illinois portion).
USGS topographic map, Saint Bernice Quadrangle, 1966, photorevised 1987 - Mine outline.
Indiana Geological Survey, Coal Mine Information System - Mine outline, mine identification.

Mine Index 2057
Lincoln City Coal Company, Inc., Lone Eagle Mine

Type: Surface Total mined-out acreage shown: 52 Production indicates approximately 20 acres were mined. The mine outline is larger than expected for the reported production. It is possible that some Illinois production was reported in Indiana.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Edgar	14N 10W	4	NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Danville	28			5.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Lincoln City Coal Company, Inc. *	Lone Eagle	1937-1940	162,916
			162,916

* The mine was bought by Ayreshire Patoka Coal Company in 1941, but was never operated.

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351409	5-3-1940	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 (Edgar County) - Mine names, mine index, ownership, years of operation.
Mine notes (Edgar County) - Mine type, mine location, seam, depth, thickness.
Microfilm map, document 351409, reel 03136, frame 27 - Mine outline, mining method.

Mine Index 2058
Waller Coal Company, Waller Mine

Type: Underground Total mined-out acreage shown: 20 Production indicates approximately 1 acre was mined after the map date. The mine outline shown on the accompanying map is approximately twice as large as expected. Production indicates a maximum of 11 acres was mined. The reason for the disparity is unknown.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Edgar	14N 10W	6	SE NW NE
Air shaft	Edgar	14N 10W	6	NE SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Danville	150-155			4.33	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Greenwalt Coal Company	Greenwalt	1934-1943 *	32,588
Henry Clay Coal Company	Clay	1944-1945 **	192 ***
Waller Coal Company	Waller	1946-1947	1,320 ***
			34,100

* Idle 1943
** Idle 1945
*** Production after map date

Last reported production: 1947

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351408	5-5-1942	1:1200	1:2152	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Edgar County) - Mine names, mine index, ownership, years of operation.
Mine notes (Edgar County) - Mine type, shaft location, seam, depth, thickness.
Microfilm map, document 351408, reel 03136, frame 26 - Shaft locations, mine outline, mining method.

Mine Index 2059
Pleasant Hill Coal Company, Pleasant Hill Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Edgar	15N 10W	20	NE SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Danville	75			4.5	Underground

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Pleasant Hill Coal Company	Pleasant Hill	1930-1931	Unknown *
Kennedy Coal Company	Kennedy	1932-1933	Unknown *
Pleasant Hill Coal Company **	Pleasant Hill	1934-1939 ***	1,687
			1,687

* Production was not listed in the Coal Reports from 1930 through 1933 for mines producing less than 1,000 tons per year.
** Ownership changed in 1935, 1938 and 1939, but production was continued to report under the name of Pleasant Hill Coal Company.
*** Idle 1937

Last reported production: 1939

SOURCES OF DATA

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

Annotated Bibliography (data source, brief description of information)

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

Mine Index 2061
Martin Coal Company, Martin Mine

Type: Underground Total mined-out acreage shown: 16

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Edgar	15N 10W	32	NW NW SW
Air shaft	Edgar	15N 10W	32	NW NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Danville	180-185			4.17-4.5	Underground

Geologic Problems Reported: The source map shows roof falls along the southernmost rooms, and in the center of the eastern part of the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Martin Coal Company	Martin	1933-1942	43,310
			43,310

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351410	3-22-1942	1:1200	1:2152	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Edgar County) - Mine names, mine index, ownership, years of operation.
Mine notes (Edgar County) - Mine type, slope location, seam, depth, thickness.
Microfilm map, document 351410, reel 03136, frame 28 - Slope & shaft locations, mine outline, mining method.

Mine Index 2062
Standard Coal Company, Standard Mine

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

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Edgar	15N 10W	32	NW SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Danville	148			4.17	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Standard Coal Company	Standard	1939-1940	1,196
Standard Coal Company	Standard	1940-1942	3,003 *
			4,199

* Production after map date

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State Archive, IL_1049_01	7-8-1940	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 (Edgar County) - Mine names, mine index, ownership, years of operation.
Mine notes (Edgar County) - Mine type, slope location, seam, depth, thickness.
State Archive, IL_1049_01, courtesy of Robert Gibson, IDNR - Slope location, mine outline, mining method.

Mine Index 4239
Binkley Coal Company, Binkley No. 8 Mine

Type: Underground Total mined-out acreage shown: 1,433

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Vigo, Indiana	14N 10W	15	SE NE SE
Air shaft	Vigo, Indiana	14N 10W	15	SE NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Seelyville	341			6.33	Underground

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Binkley Coal Company	Binkley No. 8	1919-1935 *	Unknown *

* See Indiana Geological Survey for coal production data

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 343039	6-15-1935	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Indiana Coal Mine Information System - Mine names, ownership, years of operation.
Microfilm map, document 343039, courtesy of Indiana Geological Survey - Shaft locations, mine outline, mining method.

Mine Index 4341
Vestal & Ford, Brookside Mine

Type: Underground Total mined-out acreage shown: None; production indicates less than 2 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Edgar	15N 10W	20	SW SW NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Brookside Coal Company	Brookside	1932-1932	1,450
Ummel & Ford	Brookside	1933-1933	1,589
Brookside Coal Company	Brookside	1934-1934	283
Vestal & Ford	Brookside	1935-1935	75
			3,397

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes (M. E. Hopkins)	7-1952	(text only)	1:24000 *	Secondary source

* The mine location was plotted on a 1:24000 USGS topographic map from the mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Edgar County) - Mine names, mine index, ownership, years of operation.
Mine notes (Edgar County) - Mine type, slope location.

OTHER MINES SHOWN ON SAINT BERNICE QUADRANGLE

Mine Index 2060, Celia Newton Mine SE SW NW 20-T15N-R10W, Danville Coal source: Mine notes (undated)
Mine Index 2063, Lawrence Mine SE SE SE 13-T15N-R11W source: Mine notes (undated)
Mine Index 2758, West Clinton Coal Company, Interstate No. 2 Mine SE NE SW 9-T14N-R10W, shaft, Springfield Coal source: Microfilm map, document 343436 (8-1-1928, courtesy of Indiana Geological Survey and Indiana Coal Mine Information System)
Mine Index 4359, Binkley Coal Company, No. 1 Mine SE NW SE 15-T14N-R10W, shaft, Springfield Coal source: Mine notes (C. Korose, undated), microfilm map, document 343034 (7-1-1928, courtesy of Indiana Geological Survey and Indiana Coal Mine Information System)
Mine Index 5851 SE NW 32-T15N-R10W, air shaft, Danville Coal source: State Archive, IL_1049_01, courtesy of Robert Gibson, IDNR (map of Standard Coal Company, mine index 2062)
Mine Index 6392 SE NW NW 25-T15N-R11W, Danville Coal, 47 ft deep, 3.5 ft thick source: Mine notes (undated)

MINES WHOSE LOCATIONS ARE NOT KNOWN, SAINT BERNICE 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 Saint Bernice 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 62,323 (17,197 underground; 44,326 surface mined; 800 mined by unknown method), which would represent approximately 4 to 6 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

PARIS

Spring Valley Coal Company, 1932-1932, underground	1,950 tons	mine index 2056
Twin States Mining Company, 1927-1929, surface	44,326 tons	mine index 2749
Witt (John D.), 1903-1906, shaft, Herrin & Springfield, 125-130, 4.5-6.0, RP	14,412 tons	mine index 2750
Garvin (Mike), 1901-1902	800 tons	

ST. BERNICE

Wagner (J. M.) Coal Company, 1934-1935, underground	835 tons	

INDEX OF MINES IN THE SAINT BERNICE QUADRANGLE