

Coal Mines in Illinois

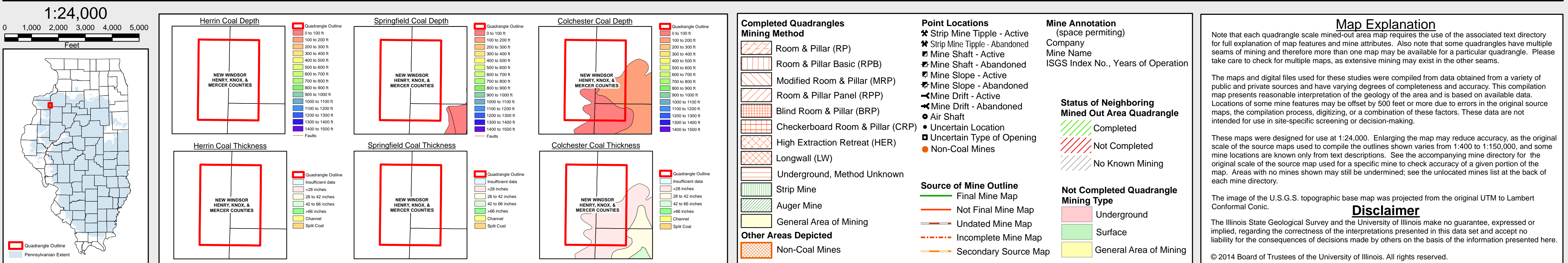
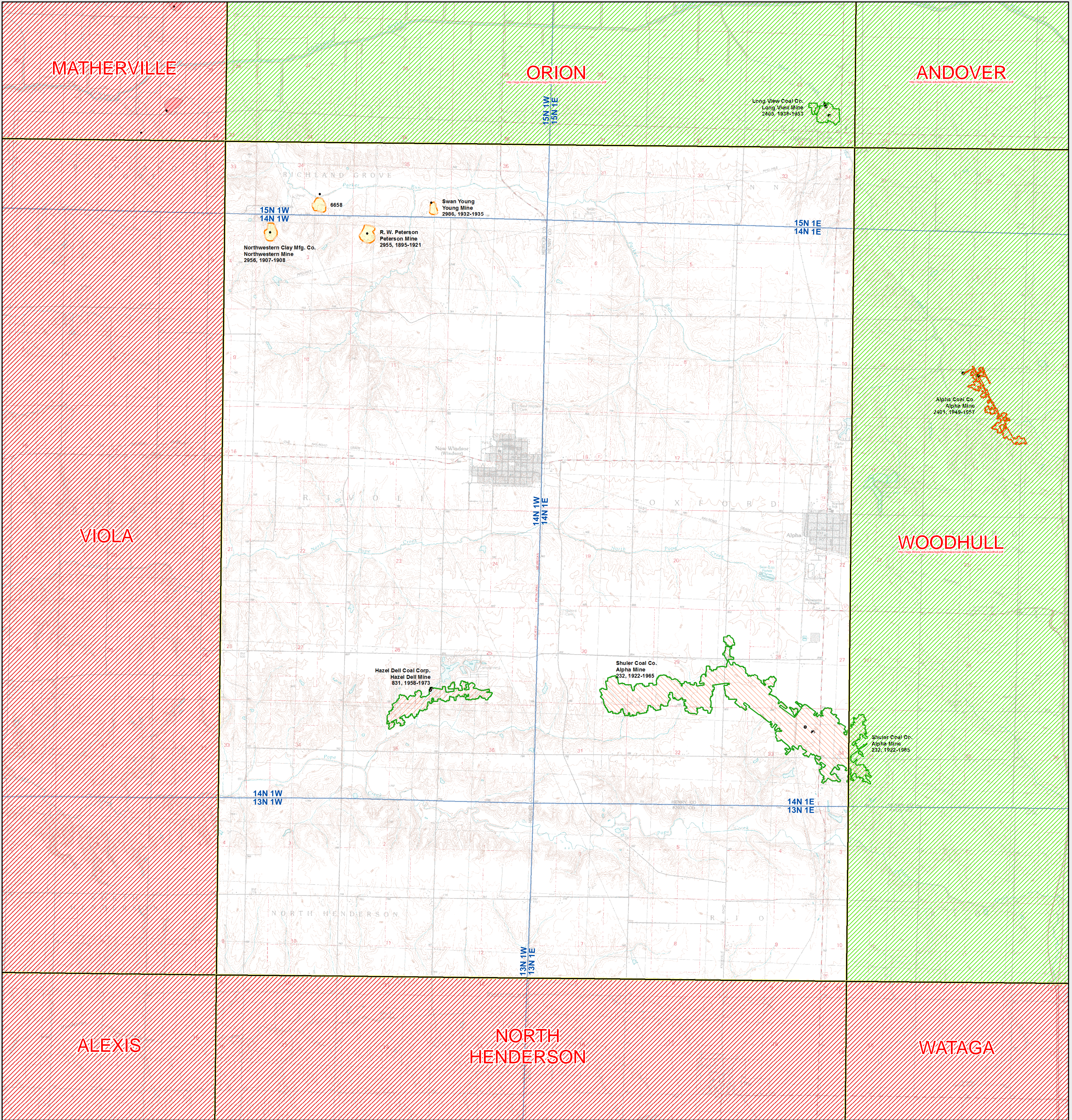
NEW WINDSOR QUADRANGLE

HENRY, KNOX, & MERCER COUNTIES

THIS MAP ACCOMPANIES THE COAL MINES DIRECTORY FOR
THE NEW WINDSOR QUADRANGLE.
CONSULT THE DIRECTORY FOR A COMPLETE EXPLANATION
OF THE INFORMATION SHOWN ON THIS MAP.

Mine Outlines Compiled by
C. Chenoweth & Jennifer M. Obrad
June 2014

Maps Available for this Quadrangle: 1 (This map)



DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES NEW WINDSOR QUADRANGLE MERCER, HENRY & KNOX COUNTIES

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2014

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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) 244-4610.

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INTRODUCTION

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

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

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

MINING IN THE NEW WINDSOR QUADRANGLE

Mining took place in the New Windsor Quadrangle between 1895 and 1973, all working in the Rock Island Coal. The earlier part of Shuler Coal Company's mine (mine index 232) was the eastern portion of that mine, which extends into the Woodhull Quadrangle. The most recent mine (mine index 831, Hazel Dell Mine) closed in 1973, and used drilling to avoid the thinning parts of the podlike deposits of Rock Island Coal.

PART I EXPLANATION OF MAP AND MINE SUMMARY SHEET

INTERPRETING THE MAP

The map accompanying this directory shows the location of coal mines known to be present in the quadrangle. The map, corresponding to a U.S. Geological Survey (USGS) 7.5-minute quadrangle, covers an area bounded by lines of latitude and longitude 7.5-minutes apart. In Illinois, a quadrangle is approximately 6.5 miles east to west and 8.5 miles north to south, an area of about 56 square miles. The USGS generally offers one map of mines per quadrangle. In some areas where extensive mining occurred in two or more overlapping seams, separate maps are compiled for mines in each seam to maintain readability of the map.

Mine Type and Mining Method

The mine type is indicated on the map by pattern color: green represents surface mines; red and yellow represent underground mines. The red patterns are used for areas of underground mining that are documented by a primary or secondary source map. A yellow pattern is used for cases where no map of the mine workings is available, but a general area of mining can be inferred from property maps or production figures. The patterns indicate the main mining methods used in underground mines. The methods are (1) room and pillar and (2) high extraction. The method used gives some indication of the amount and pattern of coal extraction within each mined area, and has some influence on the timing and type of subsidence that can occur over a mine.

The following discussion and illustrations of mining methods are based on Guither et al. (1984).

In room-and-pillar mines, coal is removed from haulage-ways (entries) and selected areas called rooms. Pillars of unmined coal are left between the rooms to support the roof. Depending on the size of rooms and pillars, the amount of coal removed from the production areas will range from 40% to 70%.

Room and Pillar - mining is divided into six categories:

- room-and-pillar basic (RPB, fig. 1A), an early method that did not follow a preset mining plan and therefore resulted in very irregular designs;
- modified room and pillar (MRP, fig. 1B);
- room-and-pillar panel (RPP, fig. 1C);
- blind room and pillar (BRP, fig. 1D);
- checkerboard room and pillar (CRP, fig. 1E);
- room and pillar (RP), a classification used when the specific type of room-and-pillar mining is unknown.

Blind and checkerboard are the most common types of room-and-pillar mining used in Illinois today. The knowledge of room-and-pillar mining methods gives a trained engineer information on the nature of subsidence that may occur. A more extensive discussion of subsidence can be found in Bauer et al. (1993).

High-extraction These mining methods are subdivided into high-extraction retreat (HER, Fig 1F) and longwall (LW, Fig 1G, 1H). In these methods, much of the coal is removed within well defined areas of the mine. Subsidence of the surface above these areas occurs within weeks. Once the subsidence activity ceases, the potential for further movement over these areas is low; however, subsidence may continue for several years after mining.

High-extraction retreat mining is a form of room-and-pillar mining that extracts most of the coal. Rooms and pillars are developed in the panels, and the pillars are then systematically removed (fig. 1F).

In early (pre-1960) longwall mines, mining advanced in multiple directions from a central shaft (fig. 1G). Large pillars of coal were left around the shaft, but all coal was removed beyond these pillars. Miners placed rock and wooden props and cribs in the mined-out areas to support the mine roof. The overlying rock gradually settled onto these supports, thus producing subsidence at the surface. In post-1959 longwall mines, room-and-pillar methods have been used to develop the main entries of the mine and panel areas. Modern longwall methods extract 100 percent of the coal in the panel areas (fig. 1H).

SOURCE MAPS

Mine outlines depicted on the map are, whenever possible, based on maps made from original mine surveys. The process of compiling and digitizing the quadrangle map may produce errors of less than 200 feet in the location of mine boundaries. Larger errors of 500 feet or more are possible for mines that have incomplete or inaccurate source maps.

Because of the extreme complexity of some mine maps, detailed features of mined areas have been omitted. The digitized mine boundary includes the exterior boundary of all rooms or entries that were at least 80 feet wide or protruded 500 feet from the main mining area. Unmined areas between mines are shown if they are at least 80 feet wide; unmined blocks of coal within mines are shown if they are at least 400 feet on each side. Original source maps should be consulted when precise information on mine boundaries or interior features is needed.

The mine summary sheet lists the source maps used to determine each mine outline. The completeness of map sources is indicated on the map by a line symbol at the mine boundary. Source maps are organized in five categories.

Final mine map The mine outline was digitized from an original map made from mine surveys conducted within a few months after production ceased. The date of the map and the last reported production are listed on the summary sheet.

Not a final map The mine is currently active or the mine outline was made from a map based on mine surveys conducted more than a few months before production ceased. This implies the actual mined-out area is probably larger than the outline on the map. The mine summary sheet indicated the dates of source maps and the last reported production, as well as the approximate tonnage mined between these two dates (if the mine is abandoned). The summary sheet also lists the approximate acreage mined since the date of the map and, in some cases, indicates the area where additional mining may have taken place. This latter information is determined by locating on the map the active faces relative to probable boundaries of the mine property.

Undated map The source map was undated, so it may or may not be based on a final mine survey. When sufficient data are available, the probable acreage of the mined area is estimated from reported production, average seam thickness and a recovery rate comparable to other mines in the area. This information is listed in the summary sheet for the mine.

Incomplete map The source map did not show the entire mine. The summary sheet indicates the missing part of the mine map and the acreage of the unmapped area, which is estimated from the amount of coal known to have been produced from the mine.

Secondary source map The original mine map was not found so the outline shown was determined from secondary sources (e.g., outlines from small-scale regional maps published in other reports). The summary sheet describes the secondary sources.

POINTS AND LABELS

The locations of all known mine openings (shafts, slopes, and drifts) and surface mine tipples are plotted on the map. Tipples are areas where coal was cleaned, stockpiled, and loaded for shipping.

Only openings or tipples are plotted for mines without source maps. If the precise locations of these features are unknown, a special symbol is used to indicate the approximate location of the mine.

Each mine on the map is labeled with the names of the mine and operating company, ISGS mine index number, and years of operation (if known) if space permits. A seam designation is given on maps where more than one seam was mined. For a mine that operated under more than one name, only the most recent name is generally given. When a mine changed names or ownership shortly before closing, an earlier name is listed. All company and mine names are listed on the mine summary sheet in the directory, under the production history segment.

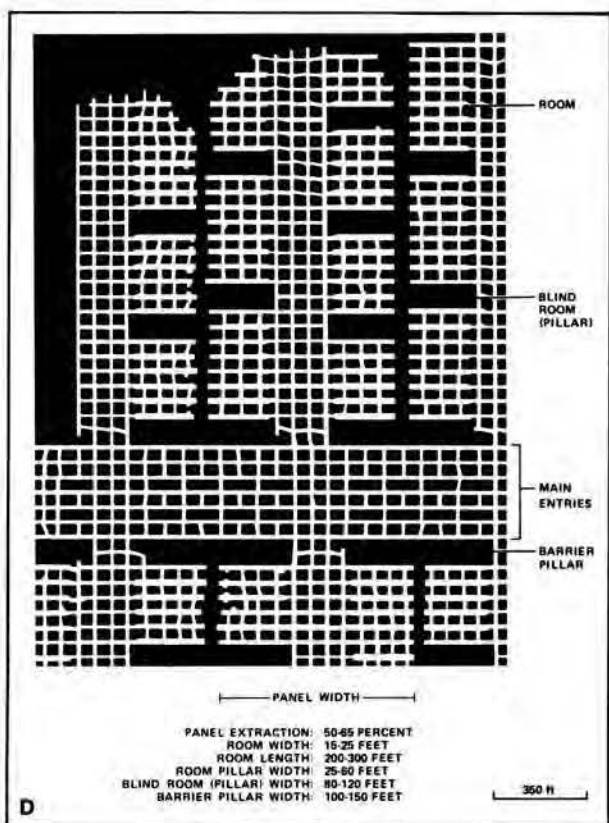
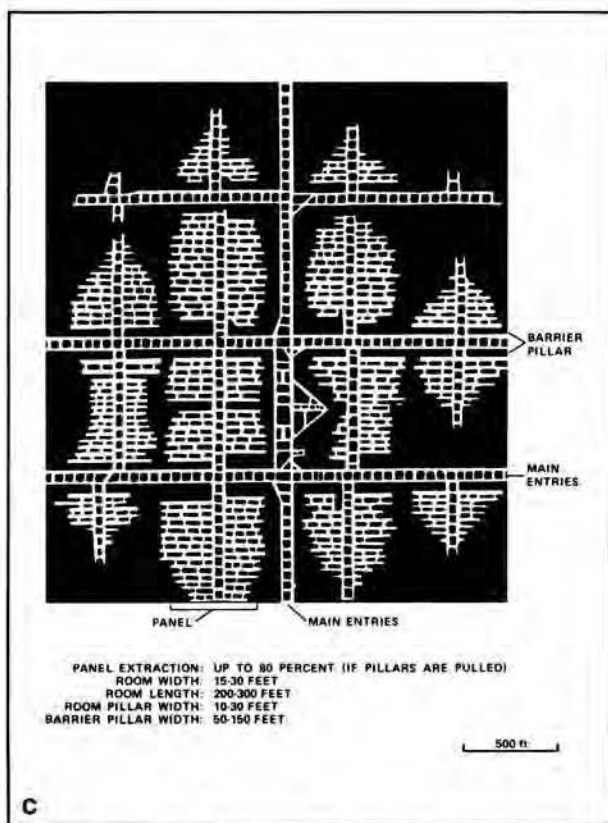
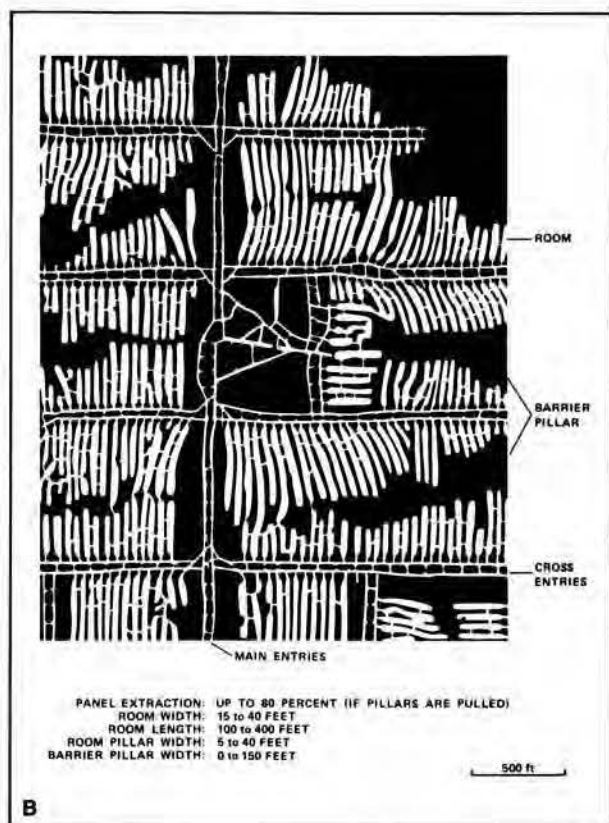
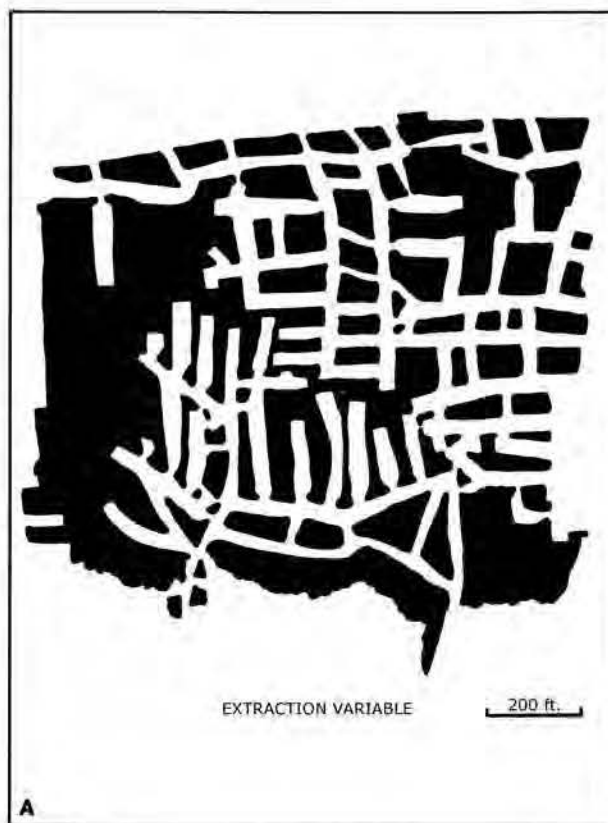


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).

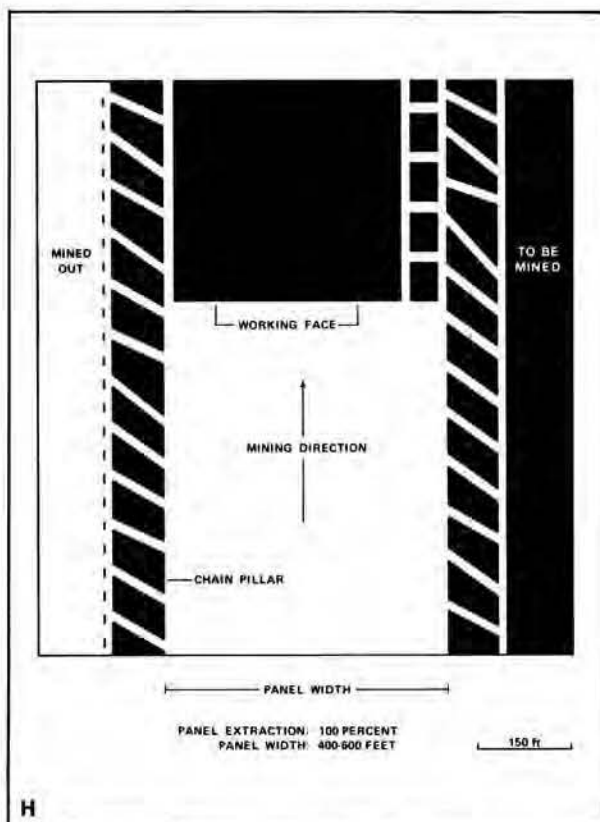
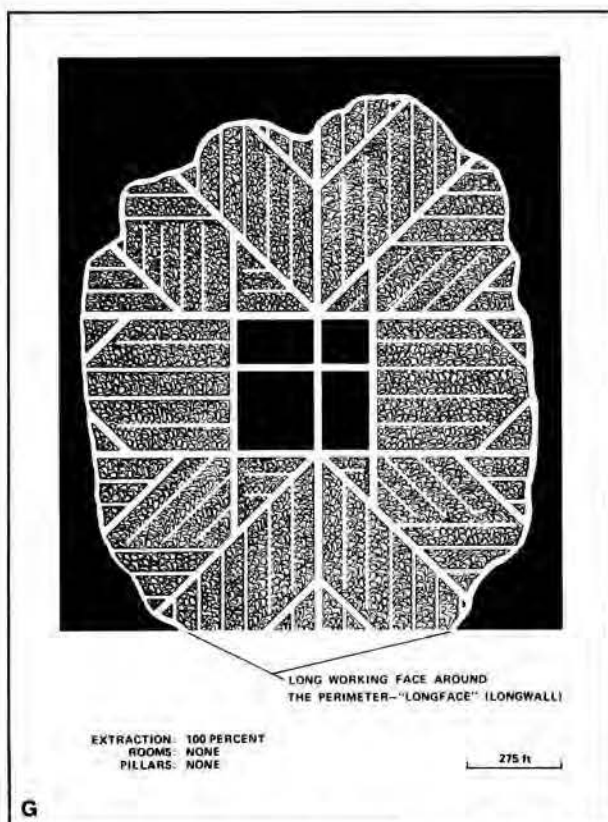
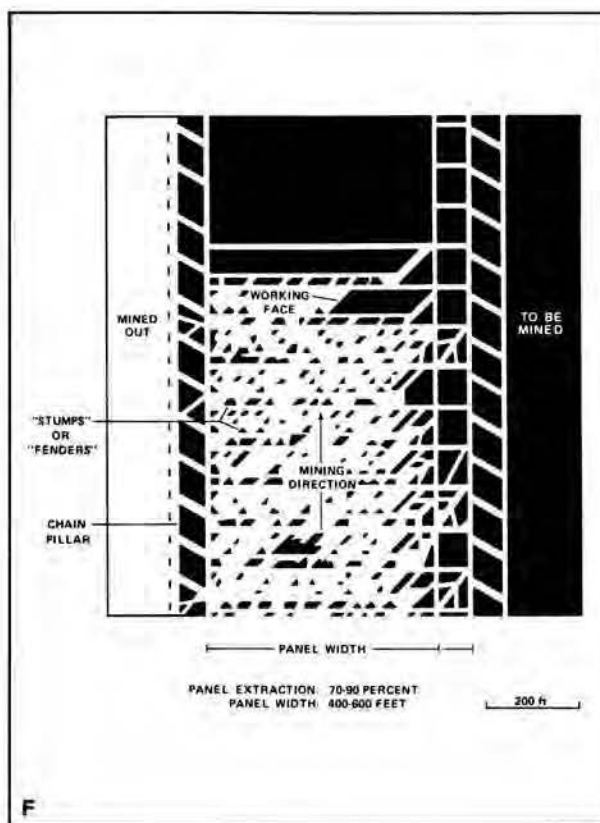
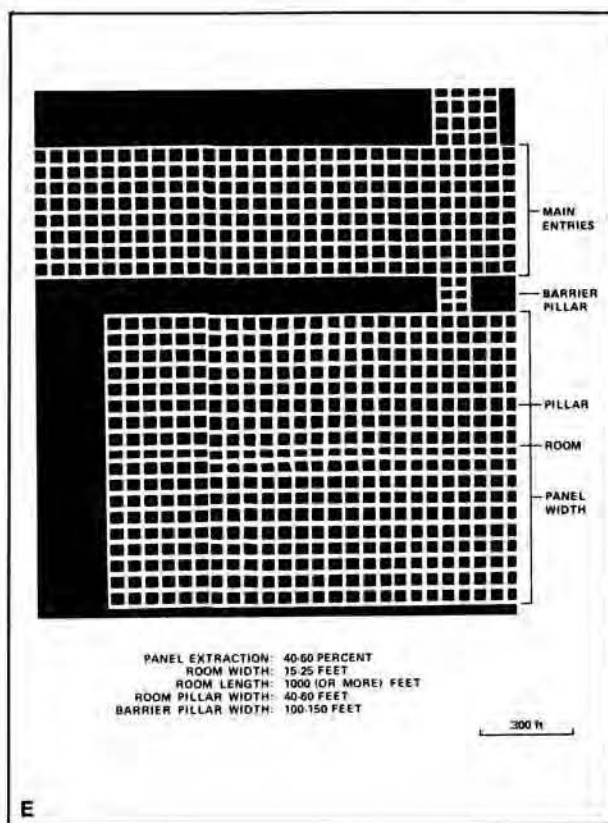


Figure 1 (cont.) Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall



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

INTERPRETING A MINE SUMMARY SHEET

The mine summary sheet is arranged numerically by mine index number. Index numbers are shown on the map and in the mine listing. The mine summary sheet provides the following information (if available).

Company and mine name The last company or owner of the mine is used, unless no production was recorded for the last owner. In that case, the penultimate owner is listed. Mines often have no specific name; in these cases, the company name is also used as the mine name.

Type *Underground* denotes a subsurface mine in which the coal was reached through a shaft, slope, or a drift entry. *Surface* denotes a surface, open pit or strip mine.

Total mined-out acreage shown The total acreage of the mined area mapped, including any acreage mined on adjacent quadrangles, is calculated from the digitized outline of the mine. The acreage of large barrier pillars depicted on the map is excluded from the mined-out acreage. Small pillars not digitized are included in the acreage calculation. If the mine outline is not based on a final mine map, the acreage is followed by an estimate of additional acres that may have been mined. The estimate is determined from reported mine production, approximate thickness of the coal, and recovery rates calculated from nearby mines that used similar mining methods.

SHAFT, SLOPE, DRIFT OR TIPPLE LOCATIONS

Shaft, slope, drift, or tippie locations Locations of all known former entry points to underground mines or the location of coal cleaning, tippie, and shipping equipment used by the mine's facility are listed. The location is described in terms of county, township and range (Twp-Rge), section, and location within the section by quarters. NE SW NW, for instance, would describe the location in the northeast quarter of the southwest quarter of the northwest quarter. When sections are irregular in size, the quarters remain the same size and are oriented (or "registered") from the southeast corner of the section. Approximate footage from the section lines (FEL = from east line, FNL = from north line, for example) is given when that information is known; this indicates a surveyed location and is not derived from maps. Entry points are also plotted on the map and coded for the type of entry or tippie. A mine opening may have had many purposes during the life of the mine. Old hoist shafts are often later used for air and escape shafts; this information is included in the directory when known. The tippie for underground mines was generally located near the main shaft or slope. At surface mines, coal was sometimes hauled to a central tippie several miles from the mine pit.

GEOLOGY

Seam(s) mined The name of the coal seam(s) mined is listed, if known. If multiple seams were mined, they are all listed, although the mined-out area for each seam may be shown on separate maps. Figure 2 shows the stratigraphic section of the coal-bearing interval in Illinois, and the vertical relations among the coals.

Depth The depth to the top of the seam in the vicinity of the shaft is listed, if known. The depth is determined from notes made by geologists who visited the mine during its operation or from drill hole data in ISGS files. Depth generally varies little over the extent of a mine; however, reported depths for an individual mine may vary. Depth for surface-mined coals varies, and is usually represented as a range.

Thickness The approximate thickness of the mined seam is shown, if known. Thickness also comes from notes of geologists who visited the mine during its operation or from borehole data in ISGS files. Minimum, maximum, and average thicknesses are given when this information is available.

Mining method The principal mining method used at the mine (figs. 1A-H) is listed. See the mining methods section at the beginning of this directory for a discussion of this parameter.

Geologic problems reported Any known geologic problems, such as faults, water seepage, floor heaving, and unstable roof, encountered in the mine are reported. This information is from notes made by ISGS geologists who visited the mine, or from reports by mine inspectors published by the Illinois Department of Mines and Minerals, or from the source map(s). Geologic problems are not reported for active mines.

PRODUCTION HISTORY

Production history Tons of coal produced from the mine by each mine owner are totaled. When the source map used for the mine outline is not a final mine map, the tonnage produced since the date of the map is identified. For mines that extend into adjacent quadrangles, the tonnage reported includes areas mined in adjacent quadrangles.

SOURCE OF DATA

Source map This section lists information about the map(s) used to compile the mine outline and the locations of tipples and mine openings. In some cases more than one source map was used. For example, a map drawn before the mine closed may provide better information on original areas of the mine than a later map. When more than one map was used, the bibliography section explains what information was taken from each source.

Date The date of the most recent mine survey listed on the source map is reported.

Original scale The original scale of the source map is listed. Many maps are photo-reductions and are no longer at their original scale. The original scale gives some indication of the level of detail of the mine outline and the accuracy of the mine boundary relative to surface features. Generally, the larger the scale, the greater the accuracy and detail of the mine map. Mine outlines taken from source maps at scales smaller than 1:24,000 may be highly generalized and may well be inaccurately located with respect to surface features.

Digitized scale The scale of the digitized map is reported. The scale may be different from that of the original source map. In many cases the digitized map was made from a photo-reduction of the original source map, or the source map was not in a condition suitable for digitizing and the mine boundaries were transferred to another base map.

Map type Source maps are classified into five categories to indicate the probable completeness of the map. See discussion of source maps in the previous section.

Annotated bibliography Sources that provide information about the mine are listed, with the data taken from each source. Some commonly used sources are described below. Full bibliographic references are given for all other sources. Unless otherwise noted, all sources are available for public inspection at the ISGS.

Coal Reports Published since 1881, these reports contain tabular data on mine ownership, production, employment, and accidents. Some volumes include short descriptions made by mine inspectors of physical features and conditions in selected mines.

Directory of Illinois Coal Mines This source is a compilation of basic data about Illinois coal mines, originally gathered by ISGS staff in the early 1950s. Sources used for this directory are undocumented, but they are primarily Illinois Department of Mines and Minerals annual reports, ISGS mine notes, and coal company officials.

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

Microfilm map The U.S. Bureau of Mines maintains a microfilm archive of mine maps. A microfilm file for Illinois is available for public viewing at the ISGS.

Mine notes ISGS geologists have visited mines or contacted mine officials throughout the state since the early 1900s. Notes made during these visits range from brief descriptions of the mine location to long narratives (including sketches) of mining conditions and geology.

Federal Land Bank of St. Louis, Preliminary Reports on Subsidence Investigations Mining engineers working for the Federal Land Bank of St. Louis mapped areas of subsidence due to coal mining in the early 1930s. These reports often include county maps of mine properties with mined-out areas including shaft locations, as well as subsidence areas.

REFERENCES

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

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 NEW WINDSOR QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the New Windsor 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 232

Shuler Coal Company, Alpha Mine

Type: Underground Total mined-out acreage shown: 638

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Henry	14N 1E	33	SE NE NE
Air shaft	Henry	14N 1E	33	SW NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Rock Island	265-267	4.0	4.67	4.5	MRP, with RPP

Geologic Problems Reported: A water-bearing portion of the glacial drift caused problems while sinking the shaft. Driving pilings prevented caving while shaft construction was in progress, and the remainder of the shaft construction encountered no difficulties. The roof rock was 0.5 to 2.0 feet of limestone that was locally present from 5 to 8 feet above the coal. The interval between the cap rock and coal consisted of black shale. Shale and pyrite bands were present and difficult to separate from the coal. Pyrite was also seen as nodules and lenses. Some small inclined faults were noted, but these presented little effect on mining.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Shuler Coal Company	Alpha	1922-1939	987,280
Alpha Coal Company	Alpha	1939-1940	17,675
Bugos-White Coal Company	Alpha	1940-1957	1,324,386
Shuler Coal Company	Alpha	1957-1965	651,584
			2,980,925

Last reported production: March 1965

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351524	3-30-1965	1:2400	1:4303	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Microfilm map, document 351524, reel 03136, frames 278-283 - Shaft locations, mine outline, mining method.

Mine Index 831
Hazel Dell Coal Corporation, Hazel Dell Mine

Type: Underground Total mined-out acreage shown: 100

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Mercer	14N 1W	26	NE SE SE
Air shaft	Mercer	14N 1W	26	NE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Rock Island	145	0 *	5.4	4.6	RPP

* The coal was a lenticular deposit. Drilling was done to plan the mine extension, avoiding the thinning coal.

Geologic Problems Reported: The rooms were wide (30 to 50 feet across), but the roof was extremely good and did not require roof bolting. In some rare cases, the roof rock extended downward up to 1 foot into the coal. The seam had a 1 to 3 inch bony coal layer. The sulphur content was about 6% after preparation. The floor was a dark gray siltstone. The floor heaved somewhat at the shaft bottom and toward the western portion of the workings, but not elsewhere.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Hazel Dell Coal Corporation	Hazel Dell	1958-1973	<u>456,714</u> 456,714

Last reported production: September 1973

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 318790	1-1974	1:2400	1:5296	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Mercer County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Mercer County) - Mine type, shaft location, seam, thickness, geologic problems.
 Microfilm map, document 351418, reel 03136, frame 53 - Shaft locations, mine outline, depth, mining method.

Mine Index 2955**R. W. Peterson, Peterson Mine**

Type: Underground Total mined-out acreage shown: 14 Production indicates approximately 8 acres were mined. The source map merely indicates a general area of mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Mercer	14N 1W	2	NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Rock Island	10-50			2.5-5.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Andrew Peterson	Peterson	1895-1898 *	1,400
Peterson & Young	Peterson & Young	1898-1899	630
S. J. Young	Young	1899-1908	10,612
F. E. Peterson	Peterson	1908-1909	2,203
J. A. Peterson	Peterson	1909-1911	4,262
R. W. Peterson	Peterson	1911-1921 **	7,646
			26,753

* Idle 1897

** Idle 1917-1920

Last reported production: 1921

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS Mined Out Area Map, Area 6	1950	approx. 1:130000	1:62500 ***	Secondary source

*** The outline and shaft location drawn on the 1950 Mined Out Area map were designated as "Quade", after John C. Quade who made maps and reports in the mid-1930s for the Federal Land Bank of St. Louis. The scale of the maps included with the Federal Land Bank reports was generally approximately 1:130000, while the 1950 Mined Out Area maps were drawn at 1:62500.

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

Mine notes (Mercer County) - Mine type, mine location.

ISGS Mined Out Area Map, Area 6 - Shaft location, mine outline.

Mine Index 2956**Northwestern Clay Manufacturing Company, Northwestern Mine**

Type: Underground Total mined-out acreage shown: 11 Production indicates less than 1 acre was mined. The source map merely indicates a general area of mining.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Mercer	14N 1W	3	SE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Rock Island	40			2.83	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Northwestern Clay Manufacturing Company	Northwestern	1907-1908	<u>75</u> 75

Last reported production: 1908

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS Mined Out Area Map, Area 6	1950	approx. 1:130000	1:62500 *	Secondary source

* The outline and shaft location drawn on the 1950 Mined Out Area map were designated as "Quade", after John C. Quade who made maps and reports in the mid-1930s for the Federal Land Bank of St. Louis. The scale of the maps included with the Federal Land Bank reports was generally approximately 1:130000, while the 1950 Mined Out Area maps were drawn at 1:62500.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness, mining method.
 Directory of Illinois Coal Mines (Mercer County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Mercer County) - Mine location.
 ISGS 1950 Mined Out Area Map, Area 6 - Shaft location, mine outline, mining method.

Mine Index 2986
Swan Young, Young Mine

Type: Underground Total mined-out acreage shown: 5 Production indicates less than 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Mine	Mercer	15N 1W	35	S ½ SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Rock Island	30				Underground

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Swan Young	Young	1932-1935	<u>467</u> *
			467

* Production from 1932 and 1933 is not known. Mines producing less than 1,000 tons per year were not listed in the Coal Reports.

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS Mined Out Area Map, Area 6	1950	approx. 1:130000	1:62500 **	Secondary source

** The outline and shaft location drawn on the 1950 Mined Out Area map were designated as "Quade", after John C. Quade who made maps and reports in the mid-1930s for the Federal Land Bank of St. Louis. The scale of the maps included with the Federal Land Bank reports was generally approximately 1:130000, while the 1950 Mined Out Area maps were drawn at 1:62500.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Mercer County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Mercer County) - Mine location, seam, depth, years of operation.
 ISGS 1950 Mined Out Area map, Area 6 - Mine location, mine outline.

OTHER MINES SHOWN ON NEW WINDSOR QUADRANGLE

Mine Index 6658 NE SW SE 34-T15N-R1W, shaft, Rock Island Coal source: ISGS mined out area, area 6 (1950)

MINES WHOSE LOCATIONS ARE NOT KNOWN, NEW WINDSOR 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 New Windsor 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 156,049 (with 154,529 mined underground and 1,520 mined by uncertain method), which would represent between 32 and 65 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

ALPHA

Bland (John), 1890-1892, slope, Colchester, 20, 2.5, RP	642 tons
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GRIFFIN

Griffin Brothers, pre1878-1895, shaft, Rock Island, 22-35, 2.5, RP	12,060 tons
Griffin (Frank A.) & Company, 1895-1897	4,600 tons
Griffin Clay Manufacturing Company, 1897-1900	7,595 tons
U. S. Clay Manufacturing Company, 1900-1903	<u>7,640</u> tons
	31,895 tons

NEW WINDSOR

Anderson (John), pre1878-1879, shaft, Rock Island, 12, 2.5	150 tons
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McMullen (Horace), pre1878-1879, shaft, Rock Island, 20, 2.25	250 tons
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Isaacson (J. M.), pre1878-1879, shaft, Rock Island, 22, 2.25	200 tons
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Simelson (Jonas), pre1882-1887, shaft, Rock Island, 25-30, 2.25-2.5, RP	9,840 tons
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Birgrin (Charles), 1884-1885, shaft, Rock Island, 35, 2.25, RP	784 tons
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Peterson (Charles), 1886-1887, drift, Rock Island, —, 2.5, RP	400 tons
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Olson (Andrew), 1887-1888	200 tons
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Peterson (P. C.), 1888-1893	<u>3,850</u> tons
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Swanson (John), 1886-1888, shaft, Rock Island, 30, 2.5, RP	2,320 tons
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Young (Olaf), 1888-1889	700 tons
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Brooks (John), 1889-1890	<u>240</u> tons
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Young (Olaf), 1892-1893, drift, Rock Island, —, 2.5, RP	100 tons
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Carlson (John P.), 1887-1891, drift, Rock Island, —, 2.5, RP	2,172 tons
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Johnson (Charles), 1891-1892	<u>640</u> tons
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	2,812 tons
Peterson (John A.), 1892-1893, drift, Rock Island, —, 2.5, RP	440 tons
Young (Swan J.), 1912-1918, slope, Rock Island, 90-91, 2.0, RP	3,417 tons
Knuteson (Charles), 1897-1898, drift, Rock Island, —, 2.5	480 tons

VIOLA

Tidball (J.), 1878-1879, slope, Rock Island, 24, 4.0	1,213 tons
Parks (Russell), pre1879-1888, shaft, Rock Island, 30-35, 4.0, RP	8,260 tons
Blaine (William), pre1879-1888, shaft, Rock Island, 20-32, 3.0-4.0, RP	11,902 tons
Guthrie (Samuel), 1878-1879, drit, Rock Island, 25, 4.0	80 tons
Guthrie (Samuel), 1883-1888, shaft, Rock Island, 41, 4.0, RP	2,675 tons
Guthrie (John), 1888-1889	240 tons
Guthrie (William), 1889-1889	224 tons
Guthrie (Andrew), 1889-1890	<u>480 tons</u>
	3,619 tons
Hunter (Walter), 1878-1879, drift, Rock Island, 50, 4.0	40 tons
Tarr (Henry), pre1878-1879, shaft, Rock Island, 42, 4.5	200 tons
Morrow (John), pre1879-1883, shaft, Rock Island, 48-58, 4.0-4.25	2,890 tons
Martin (Tim) & Drum (John), pre1878-1879, shaft, Rock Island, 44-65, 4.0	924 tons
Martin (Francis M.), 1879-1889	17,104 tons
Martin (Orrick), 1889-1891	4,100 tons
Martin (G. W.), 1891-1893	3,170 tons
Dunn (John), 1893-1898	<u>6,233 tons</u>
	31,531 tons
Pinkerton (William W.), pre1879-1883, shaft, Rock Island, 24-30, 3.0-4.0	1,080 tons
Pinkerton (George W.), pre1881-1883, drift, Rock Island, 31, 4.0	550 tons
Parks (Rufus), pre1881-1882, drift, Rock Island, 15, 4.0	360 tons
Boon (Hopkins), 1881-1882, shaft, Rock Island, 20, 4.0	140 tons
Boon (Hopkins), pre1881-1882, shaft, Rock Island, 61, 4.0	500 tons
Frazier (Hugh B.), pre1881-1883, shaft, Rock Island, 22, 4.0	idle
Collins (W. P.), 1881-1882, shaft, Rock Island, 26, 4.0	300 tons
Guthrie (William), 1882-1885, shaft, Rock Island, 30-32, 3.5-4.0, RP	2,030 tons
Slocum (Clarence), 1883-1884, shaft, Rock Island, 20, 4.0, RP	900 tons
Smith (John), 1883-1884, drift, Rock Island, 20, 4.0, RP	210 tons
Thompson (John), 1883-1884, slope, Rock Island, 30, 3.0, RP	500 tons
Jones (Alvin T.), 1884-1885, shaft, Rock Island, 20, 4.0, RP	420 tons
Campbell (William), 1885-1886	<u>440 tons</u>
	860 tons

Foster (John W.), 1887-1888	216 tons
McFate (James), 1888-1889	<u>216</u> tons
	432 tons
Parks (James R.), 1890-1891, drift, Rock Island, —, 4.0, RP	512 tons
Barr (William), 1897-1898, slope, Rock Island, 30, 4.0	2,700 tons
Cameron (Henry), 1898-1899	<u>1,000</u> tons
	3,700 tons
Campbell (Frank), 1901-1902	1,520 tons
Miller (Ben), 1906-1909, shaft, Rock Island, 20-29, 2.5-3.0, RP	1,760 tons
Grady (Edward), 1906-1907, drift, Rock Island, —, 3.5, RP	80 tons
Mills (T. J.) & Company, 1908-1909, slope or drift, Rock Island, 18, 4.0, RP	500 tons
Gustafson (L.), 1909-1910	<u>300</u> tons
	800 tons
Langston (George), 1909-1911, drift, Rock Island, —, 3.5, RP	75 tons
Bolt (E. E.), 1910-1911, drift, Rock Island, —, 4.0, RP	302 tons
Dodd (Thomas), 1911-1915, slope or drift, Rock Island, 8-40, 4.0, RP	3,720 tons
Brown (J. M.), 1915-1917, drift, Rock Island, 30, 2.83-3.5, RP	125 tons
Rodansky (William), 1916-1917, slope, Rock Island, 15, 5.33, RP	1,263 tons
Rodamsky (Charles) & Brothers, 1917-1918	<u>2,176</u> tons
	3,439 tons
Snell & McGimpsey, 1927-1927	400 tons
New Diamond Coal Company, 1940-1943, underground operated by K. Crummy through 1941, then G. Rodamsky	2,142 tons
Martin (Harvey L.), 1941-1942, underground	1,980 tons
Martin (Harvey L.), No. 3 Mine, 1942-1943, underground	633 tons
Black Diamond Coal Company, No. 3 Mine, 1942-1943, underground	4,027 tons
Essley (F. H. & W. F.), 1944-1944	1,022 tons
Miller (Rudy) & Harris (G.), 1944-1946	3,050 tons
M. & H. Coal Company, 1947-1947	<u>445</u> tons
	8,544 tons

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