

Coal Mines in Illinois Coal City Quadrangle Grundy County, Illinois

This map accompanies the Coal Mines Directory for the Coal City 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

Location



Mine Annotation

- Space permitting
- Company
- Mine Name
- ISGS Index No., Years of Operation

DISCLAIMER

This data was compiled and digitized from the best source maps available. Locations of some features may be off by 500 feet or more due to errors in the original source maps, the compilation process, digitizing or a combination of these factors. Documentation of the source materials used is contained in the directory that accompanies this map. It is the user's responsibility to read this documentation and understand the limitations of the data. Though efforts have been made to compile these data accurately, the Illinois State Geological Survey does not guarantee the validity or the accuracy of these data.

The image of the U.S.G.S. Coal City Quadrangle used as a basemap was projected from the original UTM to Lambert Conformal Conic.



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Mine Outlines Compiled by
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September 29, 2004
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DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES COAL CITY QUADRANGLE GRUNDY COUNTY

Jennifer M. Obrad & C. Chenoweth



Department of Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY
2004
REVISED 2007

**DIRECTORY OF COAL MINES IN ILLINOIS
7.5-MINUTE QUADRANGLE SERIES
COAL CITY QUADRANGLE
GRUNDY COUNTY**

2004
REVISED 2007

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

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

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INTRODUCTION

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

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

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

MINING IN THE COAL CITY QUADRANGLE

The Colchester Coal was mined in this area. The seam was generally around 3 feet thick and between 50 and 200 feet deep. Rolls were common and some faults and slips were seen. The coal had a moderate sulfur content and low ash.

According to Pete Kodat, author of *Goose Lake Township Centennial September, 1897 - September, 1997*, Peter Lamsett discovered coal in the 1820's along Mazon River in Goose Lake Township in the form of outcrops. He sold it to local farmers and blacksmiths, but never made much of a profit because he was a nomad. By 1860, the Peart family was operating nine shafts on their farms which lay to the east and south of the pottery works. They were some of the first landowners in Goose Lake Township to mine coal to any extent. Other early mines were opened before 1870 along the Mazon River in 25 and 36-T33N-R7E, 1-T32N-R7E and 6-T32N-R8E. (Those locations were too vague to show on the accompanying map.) The Herald Mine was opened in the late 1860s in 1-T32N-R7E near the owner's house, and was probably quite small as it was for personal use.

Coal City is in the heart of the old longwall district. The old method of longwall mining develops a rosette pattern on a mine map, removing all the coal and piling gob behind to support the roof. In such thin seams, some roof and/or floor had to be removed to allow a height for the mules to pull the coal cars. This method was expensive, hauling cars of material that could not be sold. It was feasible in this district because the large Chicago market was so close. However, the large surface gob piles became an environmental problem later, and extensive reclamation was required. Surface mining was also successful in this area with the development of large shovels and draglines to remove the overburden.

Diamond No. 2 Mine (mine index 2342) on this quadrangle was the site of one of Illinois' earliest mining disasters, where 69 men drowned in February 1883. The surface topography is flat. When heavy rains melted snow, the countryside was flooded to depths of 1 to 3 feet. Water broke into the old works in the eastern part of the mine. The main shaft was east of the escape shaft, and was soon inaccessible. The roadway to the escape shaft had a 15-yard-long dip and the last men out by this route had to swim. When that passageway filled with water, there was no escape from the mine.

PART I EXPLANATION OF MAP AND MINE SUMMARY SHEET

INTERPRETING THE MAP

The map accompanying this directory shows the location of coal mines known to be present in the quadrangle. The map, corresponding to a U.S. Geological Survey (USGS) 7.5-minute quadrangle, covers an area bounded by lines of latitude and longitude 7.5-minutes apart. In Illinois, a quadrangle is approximately 6.5 miles east to west and 8.5 miles north to south, an area of about 56 square miles. The 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.

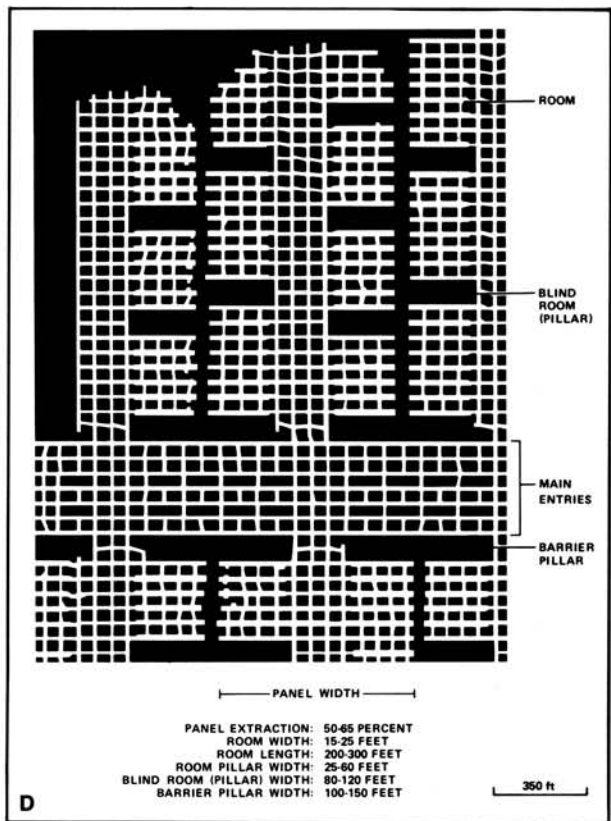
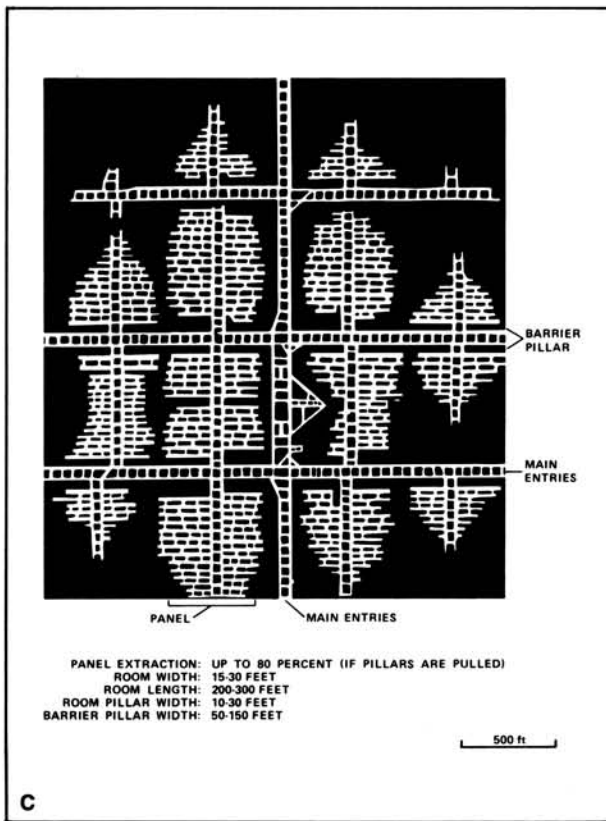
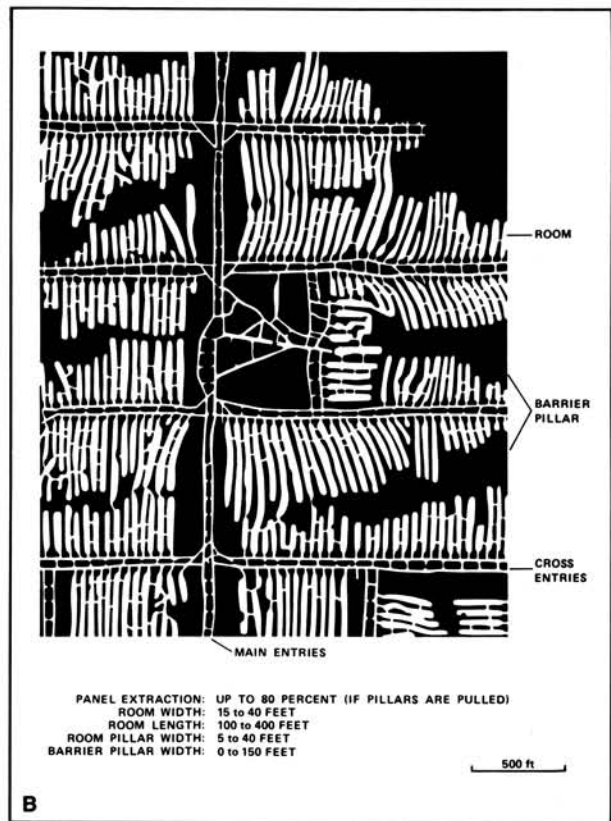
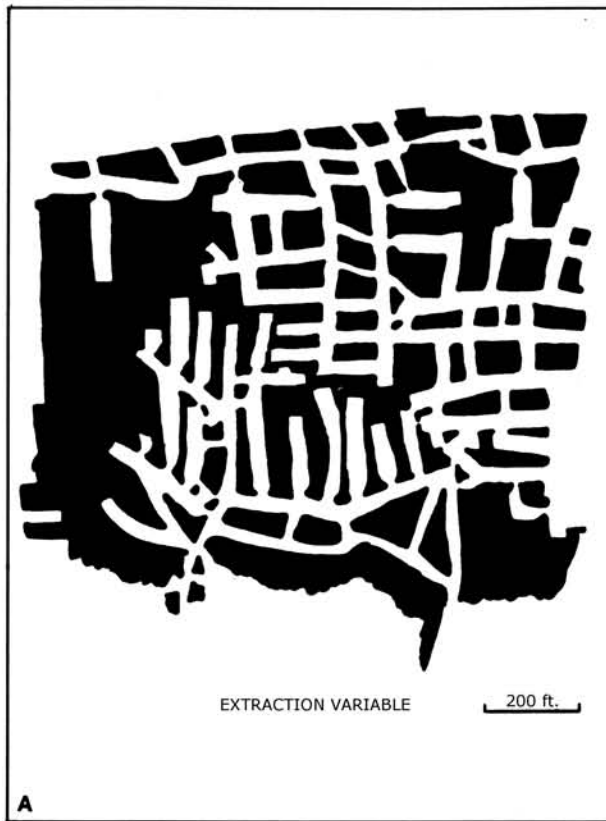


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).

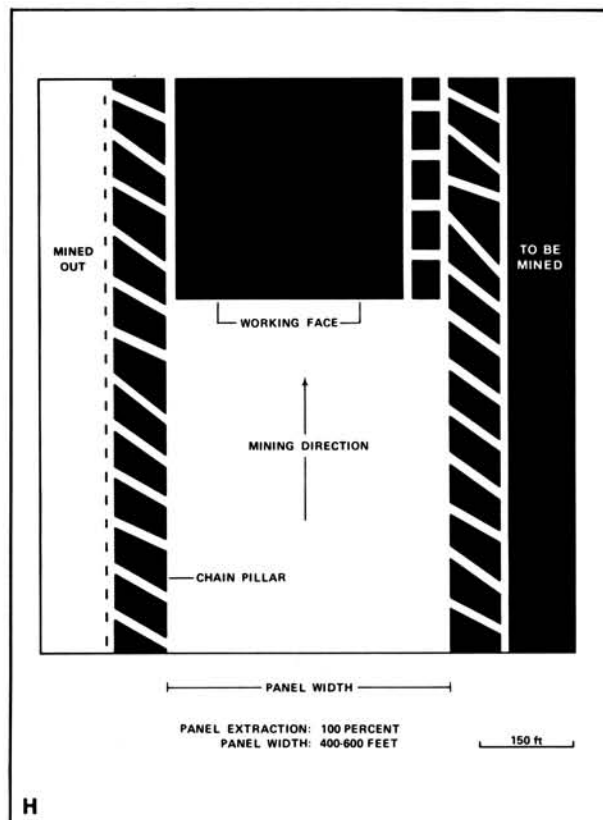
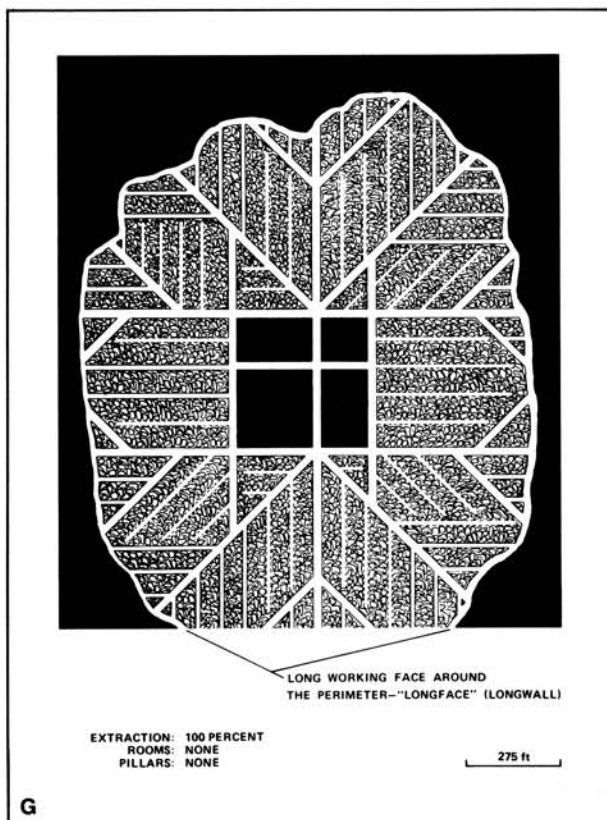
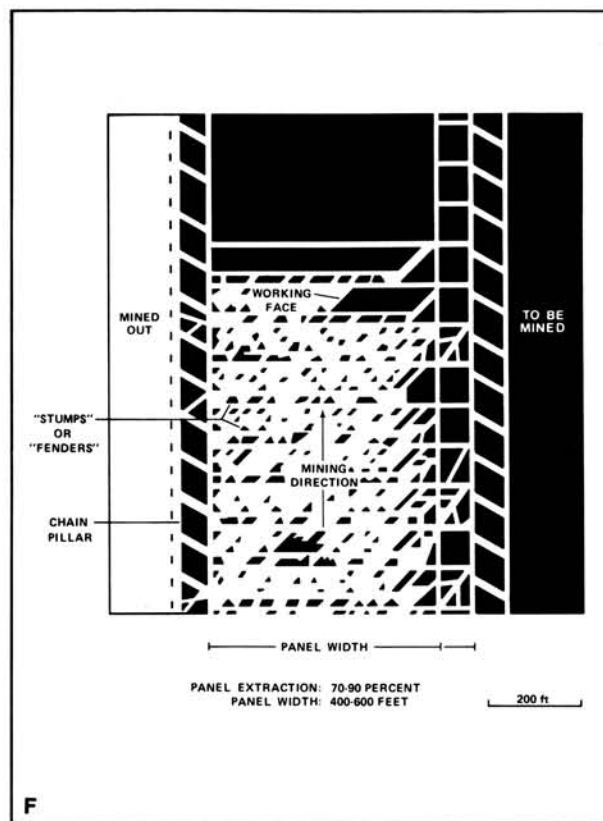
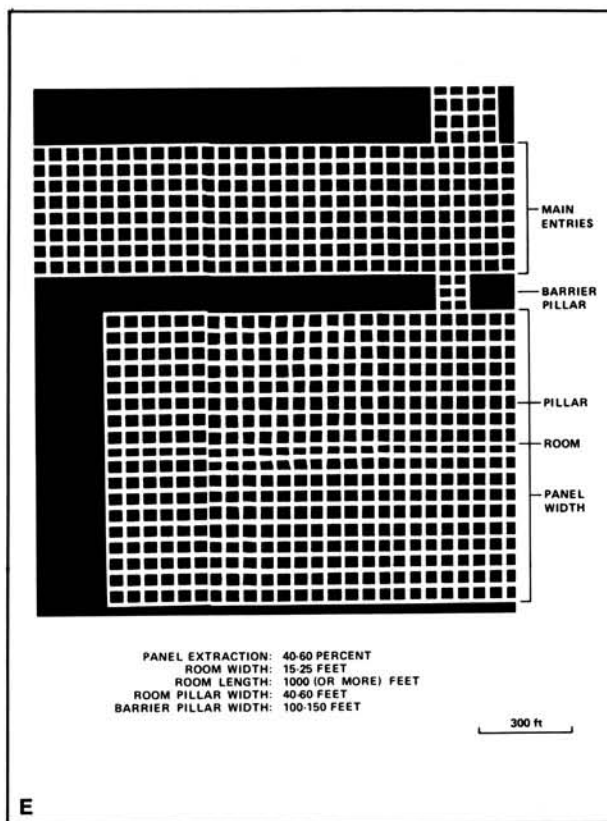


Figure 1 (cont.) Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall

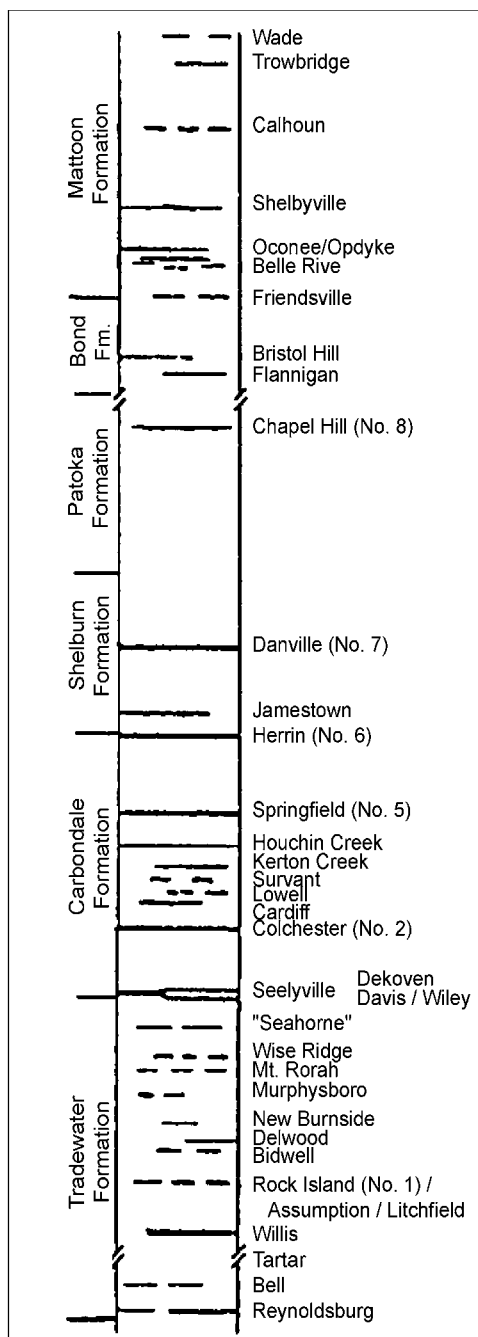


Figure 2 Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

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.

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Worthen, A. H., H. M. Bannister, F. H. Bradley and H. A. Green, 1870, Geology and Paleontology of Illinois, Volume IV, State Journal Steam Press, Springfield, Illinois, 508p.

PART II DIRECTORY OF MINES IN THE COAL CITY QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Coal City 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 5

Wilmington Star Mining Company, Wilmington Star No. 7 Mine

Type: Underground Total mined-out acreage shown: 275 Production indicates approximately 6 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	5	NW SE NE
Air shaft	Grundy	32N 8E	5	NW SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	182	2.0	3.08	2.67-3.0	LW

Geologic Problems Reported: Numerous faults were reported in all parts of the mine, with displacement ranging from 1 to 15 feet. A normal fault with 10 feet of displacement and adjacent to a large roll resulted in one entry's abandonment. The roof was "soapstone", a gray, clay-rich shale, or occasionally a shaly sandstone. Slip planes in the shale were nearly vertical and poorly developed. The shaft was sunk at the bottom of a basin or syncline, making the coal at the shaft nearly 60 feet lower than the surrounding area. The seam was deeper to the north, with a 20-degree incline upslope to the east, west and south. This made drainage easy, but a few years after sinking the shaft, this necessitated making a tunnel to the coal about 50 feet above the shaft bottom to connect with the higher coal. Impurities in the coal included lenses of shale and pyrite in lenses and concretions. Very little calcite was noted at this mine. Coal cleat was poorly developed. Some heaving was reported.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Star Mining Company	Wilmington Star No. 7	1904-1925	1,299,836
Wilmington Star Mining Company	Wilmington Star No. 7	1925-1926	28,026 *
			1,327,862

* Production after map date

Last reported production: March 20, 1926

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351475	7-1925	1:2400	1:5131	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, thickness.
 Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, ownership, years of operation.
 ENR Document 85/01 - Mining method.
 Mine notes (Grundy County) - Mine type, shaft location, depth, thickness, geologic problems, abandoned date.
 Microfilm map, document 351475, reel 03136, frame 221 - Shaft locations, mine outline, mining method.

Mine Index 6
Big Four Wilmington Coal Company, E Mine

Type: Underground Total mined-out acreage shown: 103 Production indicates approximately 160 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (13' circular)	Grundy	33N 8E	26	SE NW SW
Air shaft (9' circular)	Grundy	33N 8E	26	SW *
Air shaft	Grundy	33N 8E	26 *	

* Text in the Coal Reports noted the construction of the first (circular) air shaft and the second air shaft in 1911, near the northwestern working face. Since no source map of the mine has been found, the precise location of these air shafts is unknown and they are not shown on the accompanying map. In 1907 the Sanborn Map Company showed an air shaft to be approximately 475 feet south of the main shaft.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	90-102			3.0-3.25	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Big Four Wilmington Coal Company	Big Four Wilmington No. 6	1904-1908	470,243
Big Four Wilmington Coal Company	Big Four Wilmington No. 6	1908-1912	674,780 **
Big Four Wilmington Coal Company	E, Eileen	1912-1914	<u>128,692</u> **
			1,273,715

** Production after map date

Last reported production: May 1914

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Plat Book of Grundy County, Illinois	1909	1:31680	1:31680	Secondary source
Mine notes	1908 **	1:24000	1:24000	Secondary source

** The extent of the mine is shown as of the 1908 survey. The mine notes themselves are undated.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, thickness, mining method.
 Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Grundy County) - Mine type, shaft location, mine outline, depth, thickness.
 Plat Book of Grundy County, Illinois, compiled & published by Geo. A. Ogle & Co., Chicago, Illinois - Shaft location.
 Sanborn Map Company (Coal City) - Air shaft location.

Mine Index 259**Wilmington Star Mining Company, Wilmington Star No. 6 Mine**

Type: Underground Total mined-out acreage shown: 214

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (6' x 12')	Grundy	32N 8E	4	NW SE NE
Air shaft	Grundy	32N 8E	4	NW SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	129	1.67	5.0	3.0	LW

Geologic Problems Reported: This mine was reported to have no faults. "Very little gas" was reported in the mine notes. However, one miner was killed by a gas explosion in 1901. This may have been a result of poor ventilation, since the fatality was before the fan was set up at the air shaft. The coal seam had no continuous impurities.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Star Mining Company	Wilmington Star No. 6	1900-1913	<u>1,071,976</u> 1,071,976

Last reported production: April 30, 1913

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351478	1913	1:2400	1:4138	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, shaft size, seam.

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

ENR Document 85/01 - Mining method.

Mine notes (Grundy County) - Mine type, shaft location, depth, thickness, geologic problems, abandoned date.

Microfilm map, document 351478, reel 03136, frames 224-226 - Shaft locations, mine outline, mining method.

Mine Index 675
Peabody Coal Company, Northern Mine

Type: Surface Total mined-out acreage shown: 13,840 The area shown is larger than expected for the reported tonnage. It is likely that some unmined areas are shown as mined that have been disturbed but not mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple *	Kankakee	31N 9E	6	SW NW SE
Tipple *	Will	33N 9E	29	SE SW SE

* Mining occurred in Kankakee, Will and Grundy Counties. This mine is atypical in having separate index numbers in the different counties. The early (three-digit) mine index numbers were assigned for chemical analyses and sample sets in other databases, thus it would be imprudent to change the numbers to make them more consistent in this database of mine names, owners and years of production. Mine index 834 is the same mine in Kankakee County, mine index 675 is the same in Grundy County, and in Will County, the mine index is 359.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Houchin Creek **	52	1.71	3.42		Surface
Cardiff **	58			3.83	Surface
Colchester **	64			2.4-3.0	Surface

** Most pits mined the Colchester Coal. The Houchin Creek and Cardiff Coals were mined only where those seams were thick enough, generally in the southern and eastern parts of the mine.

Geologic Problems Reported: The overlying drift was a hard, gray, boulder-filled clay, and below that, in Will County, up to 20 feet of massive gray shale (Francis Creek). The Colchester Coal was relatively flat-lying, while the Cardiff Coal dipped markedly where the Francis Creek Shale (overlies Colchester Coal) thinned rapidly. The bottom 5 feet of the Francis Creek Shale contained coal balls and siderite nodules up to 1 inch thick and 4 inches across. In Will County, rolls were a prominent feature of the Colchester Coal. The top of the seam may vary 8 feet vertically over 50 horizontal feet. The Colchester Coal also contained stony masses that may have been petrifications of woody material. These stony masses ranged from 6 inches to 3 feet long, 3 inches to 2 feet wide, and 1 to 8 inches thick. They were present throughout the seam. The Houchin Creek and Cardiff Coals contained prominent cleat fillings of pyrite and calcite. Pyrite was also present as lenses that were up to 0.125 inches thick and extending laterally 2 feet across.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Northern Illinois Coal Corporation	Northern	1928-1956	31,138,769
Peabody Coal Company	Northern	1957-1974	<u>12,885,835</u>
			44,024,604 ***

*** The production for each county was not always reported separately. In Grundy County, 3,476,341 tons were mined. 31,986,845 tons were mined in Will County. 4,525,991 tons were reported mined in Kankakee County. This leaves 4,035,427 tons for which the county has not been indicated. Mining ended in Grundy County in 1972 and 1973 in Kankakee County.

Last reported production: 1974

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files, 5-e-16	Undated	1:12000	1:12000	Undated
Coal Section files, 1-29-17	12-22-1971	1:4800	1:4800	Not final
USGS topographic map (Gardner)	1983	1:24000	1:24000	Secondary source
Company map, 4102 i5.1-18	7-1-1950	1:4800	1:4800	Final
Company map, 4103.G72 i5.1-3	7-1-1950	1:4800	1:4800	Final
Company map, 4103.G72 i5.1-4	1-1-1947	1:4800	1:4800	Final
WPA, T33N-R8E	7-1-1937	1:69696	1:69696	Secondary source
USGS topographic map (Coal City)	1993	1:24000	1:24000	Secondary source
Company, 4103.W51 i5.1-1	1-1945	1:4800	1:4800	Final
Microfilm, document 351368	1-1941	1:4800	1:7945	Final
ISGS map library, 4103.W51 i5.1-4	1935	1:31680	1:31680	Secondary source
USGS topographic map (Wilmington)	1993	1:24000	1:24000	Secondary source
Coal Section files, 1-27-30A	6-30-1967	1:9600	1:9600	Not final
Coal Section files, 1-27-30C	6-30-1967	1:9600	1:9600	Not final
USGS topographic map (Essex)	PR1980	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Will County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Grundy County) - Mine type, seam, depth, thickness, geologic problems.
 Coal Section files, 5-e-16 - Mine outline (Pits 12, 13, 15 & 16), mining method.
 Coal Section files, 1-29-17 - Mine outline (Pit 14), mining method.
 USGS 7.5-minute topographic map, Gardner Quadrangle, Provisional 1983 - Mine outline.
 Company map, ISGS map library, 4102 i5.1-18 - Mine outline (Pit 6), mining method.
 Company map, ISGS map library, 4103.G72 i5.1-3 - Mine outline (Pit 7), mining method.
 Company map, ISGS map library, 4103.G72 i5.1-4 - Mine outline (Pit 8), mining method.
 WPA map, T33N-R8E - Mine outline (Pit 1)
 USGS 7.5-minute topographic map, Coal City Quadrangle, 1993 - Mine outline.
 Mine notes (Will County) - Mine type, tippel location, seam, depth, thickness.
 ISGS field notes (Will County) - Geologic problems.
 Company map, ISGS map library, 4103.W51 i5.1-1 - Mine outline (pits 2-5), mining method.
 Microfilm map, document 351368, reel 03135, frames 396-397 - Mine outline (pits 1 & 6), mining method.
 ISGS map library, 4103.W51 i5.1-4, sheet 3, work map compiled from J. C. Quade notes & maps - Tippel location.
 USGS 7.5-minute topographic map, Wilmington Quadrangle, 1993 - Mine outline.
 Coal Section files, 1-27-30A - Tippel location, mine outline (south half, Pit 11), mining method.
 Coal Section files, 1-27-30C - Mine outline (north half, Pit 11), mining method.
 USGS 7.5-minute topographic map, Essex Quadrangle, 1973, photorevised 1980 - Mine outline.

Mine Index 2335
Chicago, Wilmington & Vermilion Coal Company, O Mine

Type: Underground Total mined-out acreage shown: 140

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	12	NW SE NE
Air / escape shaft	Grundy	32N 8E	12	NW SE NE *

* The 1891 Coal Report stated that construction had begun on an escapement shaft. No primary maps of this mine have been found, but the Sanborn-Perris Map Company showed the air shaft to be approximately 120 feet east of the main shaft. This location is very general and the air shaft is not shown on the accompanying map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	103			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago, Wilmington & Vermilion Coal Co.	O	1890-1895	586,869 586,869

Last reported production: 1895

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.G72 i5.1-12	circa 1934	1:31680	1:31680	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, thickness, mining method.
 Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, ownership, years of operation.
 ISGS map library, 4103.G72 i5.1-12, work map for Federal Land Bank Report - Shaft locations, mine outline.
 Sanborn-Perris Map Company (Braidwood) - Air shaft location, depth.

Mine Index 2341

Wilmington Coal Mining & Manufacturing Company, Diamond No. 3 Mine

Type: Underground Total mined-out acreage shown: 218 Production indicates approximately 40 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	1	NW NE SE
Air shaft	Grundy	32N 8E	1	NW NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	103-106			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Coal Mng. & Manufacturing Co.	Diamond No. 3	1875-1887	351,827 *
Wilmington Coal Mng. & Manufacturing Co.	Diamond No. 3	1887-1892	726,296 **
			<u>1,078,123</u>

* Production before July 1881 is unknown.

** Production after map date. Most of this production is included in the western part of the mine, which has a final map.

Last reported production: 1892

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351485	3-1887	1:1200	1:2317	Not final
Sanborn	1892	1:1674	1:1674	Secondary source
Company	4-1906	1:1200	1:1200	Final

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

ENR Document 85/01 - Mining method.

Mine notes (Grundy County) - Shaft location, years of operation.

Microfilm map, document 351485, reel 03136, frame 234 - Shaft locations, mine outline (eastern half).

Sanborn-Perris Map Company (Braidwood) - Shaft locations.

Company map, traced 2006*** - Mine location, mine outline (western half).

*** Original map is mounted on the wall of the Coal City Public Library, Coal City, Illinois.

Mine Index 2342**Wilmington Coal Mining & Manufacturing Company, Diamond No. 2 Mine**

Type: Underground Total mined-out acreage shown: 147

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	33N 9E	31	NW SW SW
Air shaft	Grundy	33N 9E	31	NE SW SW
Air / escape shaft	Grundy	33N 8E	36	NE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	54			2.87	LW

Geologic Problems Reported: This mine was the site of the Braidwood disaster, where 69 men drowned in February 1883. The mine was shallow, and the mine had had trouble with water accumulating in the workings previously. The topography of the area is flat, and natural drainage was not helpful even in dispersing water pumped out of the mine. Snow-melt combined with rain flooded the countryside to a depth of 1 to 3 feet. The active face was the west part of the mine, and water came in from the eastern part of the mine where the water had broken into the workings. The main shaft was east of the escape shaft, and flooded first. The roadway to the escape shaft had a dip about 15 yards long so that the last miners out by this route had to swim, and then the escape route became inaccessible. This mine did not re-open after the disaster.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Coal Mng. & Manufacturing Co.	Diamond No. 2	-1883 *	<u>14,000</u> * 14,000

* Production before July 1881 is unknown. Production for 1883 was not listed in the Coal Reports.

Last reported production: 1883

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Report	1883, p. 98-99	1:9600	1:9600	Secondary source
Company	4-1906	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, mining method, geologic problems, mine outline, shaft locations.

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

Company map, traced 2006** - Mine location, mine outline (west side).

** Original map is mounted on the wall of the Coal City Public Library, Coal City, Illinois.

Mine Index 2344**Wilmington Star Mining Company, Wilmington Star No. 4 Mine**

Type: Underground Total mined-out acreage shown: 40 Production indicates approximately 77 acres were mined. The source map may be incomplete.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	11	NW NW NW
Air shaft	Grundy	32N 8E	11	NW NW NW *

* The Sanborn Map & Publishing Company showed the air shaft to be approximately 100 feet north of the main shaft. This location is very general and the air shaft is not shown on the accompanying map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)		Mining Method
		Min	Max	
Colchester	114-117		2.0-3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Star Coal Mining Company	Star	1878-1879	75,000 **
Wilmington Star Mining Company	Wilmington Star No. 2	1881-1885	293,094 ***
Star Mining Company	Star No. 2	1885-1886	16,185
Wilmington Star Mining Company	Wilmington Star No. 4	1886-1888	<u>33,533</u>
			417,812

** Production and years of operation prior to July 1878 are unknown.

*** The 1882 production was included with Wilmington Star No. 1 Mine (mine index 2347). Production from July 1879 to June 1881 is unknown.

Last reported production: April 1888

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351478	1913	1:2400	1:4138	Final

Annotated Bibliography (data source, brief description of information)

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

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

ENR Document 85/01 - Mining method.

Mine notes (Grundy County) - Mine type, shaft location, abandoned date.

Microfilm map, document 351478, reel 03136, frames 224-226 - Shaft location, mine outline, mining method.

WPA map, T32N-R8E - Mine identification aid (the microfilm map shows 3 unidentified mines).

Sanborn Map & Publishing Company (Coal City) - Air shaft location.

Mine Index 2345**Wilmington Star Mining Company, Wilmington Star No. 5 Mine**

Type: Underground Total mined-out acreage shown: 210

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	3	NE NW SE
Escape / air shaft	Grundy	32N 8E	3	NE NW SE *

* The shaft has been shown as an uncertain location point on the map because it could not be identified on the source map. The Sanborn Map Company showed the air shaft to be approximately 160-190 feet north of the main shaft, slightly west of the location shown on the map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	129			3.0	LW

Geologic Problems Reported: Slips in the roof caused the death of a miner from a rock fall in 1900.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Star Mining Company	Wilmington Star No. 5	1889-1908	<u>1,026,639</u> 1,026,639

Last reported production: December 28, 1907

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351478	1907	1:2400	1:4138	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, thickness, mining method, geologic problems.
 Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, ownership, years of operation.
 ENR Document 85/01 - Mining method.
 Mine notes (Grundy County) - Mine type, shaft location, depth, abandoned date.
 Microfilm map, document 351478, reel 03136, frames 224-226 - Shaft locations, mine outline, mining method.
 WPA map, T32N-R8E - Mine identification aid (the microfilm shows 3 unidentified mines).
 Sanborn Map Company (Coal City) - Air shaft location.

Mine Index 2347**Wilmington Star Mining Company, Wilmington Star No. 3 Mine**

Type: Underground Total mined-out acreage shown: 297

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	2	NW cor NW SE NW
Air shaft	Grundy	32N 8E	2	NW cor NW SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	115-128			3.0	LW

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Wilmington Star Mining Company	Wilmington Star No. 1	1875-1885	220,700 *
Star Mining Company	Star No. 1	1885-1886	78,930
Wilmington Star Mining Company	Wilmington Star No. 3	1886-1898	<u>672,396</u>
			972,026

* Production prior to 1882 is unknown. The 1882 production was included with Wilmington Star No. 4 Mine (mine index 2344).

Last reported production: March 31, 1898

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351478	1913	1:2400	1:4138	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, mining method.
 Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, ownership, years of operation.
 ENR Document 85/01 - Mining method.
 Mine notes (Grundy County) - Mine type, shaft location, abandoned date.
 Microfilm map, document 351478, reel 03136, frames 224-226 - Shaft locations, mine outline, mining method.
 WPA map, T32N-R8E - Mine identification aid (the microfilm shows 3 unidentified mines).

Mine Index 2348**Chicago, Wilmington & Vermilion Coal Company, P Mine**

Type: Underground Total mined-out acreage shown: 101

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	12	NE SW SE
Air shaft	Grundy	32N 8E	12	NE SW SE *

* No original company maps of this mine have been found, but the Sanborn-Perris Map Company showed the air shaft to be approximately 120 feet northeast of the main shaft. This location is very general and the air shaft is not shown on the accompanying map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	115			3.0	LW

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Chicago, Wilmington & Vermilion Coal Co.	P	1891-1897	513,353 513,353

Last reported production: 1897

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.G72 i5.1-12	circa 1934	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 (Grundy County) - Mine names, mine index, ownership, years of operation.
 ENR Document 85/01 - Mining method.
 ISGS map library, 4103.G72 i5.1-12, sheet 2, work map compiled from J. C. Quade notes & maps - Shaft location, mine outline, mining method.
 Sanborn-Perris Map Company (Braidwood) - Air shaft location, depth.

Mine Index 2349**Eureka Coal Company, Eureka No. 4 Mine**

Type: Underground Total mined-out acreage shown: None Production indicates approximately 50 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	12	NW SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	127			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Eureka Coal Company	Eureka No. 4	1883-1887	<u>241,670</u> 241,670

Last reported production: 1887

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4107 d5-25, sheet 3	1919	1:62500	1:62500	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 (Will County) - Mine names, mine index, ownership, years of operation.

Mine notes (Grundy County) - Mine type, shaft location.

ISGS map library, 4107 d5-25, sheet 3, work map for ISGS Bulletin 43, Morris Quadrangle - Shaft location.

Mine Index 2350
Chicago, Wilmington & Vermilion Coal Company, R Mine

Type: Underground Total mined-out acreage shown: 33 Production indicates approximately 75 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	13	NE SW NE
Air shaft	Grundy	32N 8E	13	NE SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	112			3.0	LW

Geologic Problems Reported: The mine had some water problems when it opened. These problems were expected to decrease as the mine was developed, but the short operating period (three years) indicates that water may have been a factor in the closing.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago, Wilmington & Vermilion Coal Co.	R	1896-1899	<u>202,062</u> 202,062

Last reported production: 1899

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	undated	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

- Coal Reports - Production, ownership, years of operation, seam, thickness, mining method, geologic problems.
- Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, ownership, years of operation.
- Mine notes (Grundy County) - Mine type, shaft location.
- Company map, Coal Section Files, 1-32-17, traced from original courtesy of Carbon Hill School Museum - Shaft locations, mine outline, mining method.
- Sanborn-Perris Map Company (Braidwood) - Shaft locations, depth.
- Sterling, Robert E., A Pictorial History of Will County, Volume 2, Will County Historical Publications Co., Joliet, IL, 1976 - Ownership, mine location.

Mine Index 2351
Braceville Coal Company, Braceville No. 5 Mine

Type: Underground Total mined-out acreage shown: 222

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	13	NE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	101-103			3.0-3.17	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Braceville Coal Company	Braceville No. 5	1900-1907	<u>1,051,419</u> 1,051,419

Last reported production: 1907

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes (sketch map)	Undated	1:24000	1:24000	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 (Grundy County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Grundy County) - Mine type, shaft location, mine outline.

Mine Index 2352**Braceville Coal Company, Braceville No. 6 Mine**

Type: Underground Total mined-out acreage shown: 150 Production indicates approximately 180 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	14	NW NW SE
Air shaft	Grundy	32N 8E	14	NW NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	112			3.0-3.25	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Braceville Coal Company	Braceville No. 6	1903-1908	443,193
Braceville Coal Company	Braceville No. 6	1908-1910	<u>513,723</u> *
			956,916

* Production after map date

Last reported production: 1910

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351474	4-1908	1:1200	1:2483	Not final
Mine notes (sketch map)	1907 **	1:24000	1:24000	Secondary source

** The mine notes are undated, but the sketch map is from a 1907 survey.

Annotated Bibliography (data source, brief description of information)

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

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

ENR Document 85/01 - Mining method.

Mine notes (Grundy County) - Mine type, shaft location, mine outline.

Microfilm map, document 351474, reel 03136, frame 220 - Shaft locations, mine outline, mining method.

Mine Index 2355**Braceville Coal Company, Braceville No. 4 Mine**

Type: Underground Total mined-out acreage shown: 249 Production indicates approximately 310 acres were mined. The sketch in the mine notes may also be incomplete.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	24	NE NW NW
Air shaft	Grundy	32N 8E	24	NE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	103-110			3.17-3.5	LW

Geologic Problems Reported: Rolls were encountered in the east and southwest parts of the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago, Milwaukee & St. Paul Company	Braceville No. 4	1892-1894	156,679
Braceville Coal Company	Braceville No. 4	1894-1895	213,386
Chicago, Milwaukee & St. Paul Company	Braceville No. 4	1895-1896	340,598
Braceville Coal Company	Braceville No. 4	1896-1900	<u>1,087,990</u>
			1,798,653

Last reported production: 1900

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351481	6-6-1900	1:1200	1:2069	Final / incomplete
Mine notes (sketched map)	Undated	1:24000	1:24000	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 (Grundy County) - Mine names, mine index, ownership, years of operation.
 ENR Document 85/01 - Mining method.
 Mine notes (Grundy County) - Mine type, shaft location, mine outline.
 Microfilm map, document 351481, reel 03136, frames 229-230 - Shaft locations, mine outline, mining method, geologic problems.

Mine Index 2372**Peart & Nicholson, Peart & Nicholson Mine**

Type: Underground Total mined-out acreage shown: Not shown on accompanying map because of later surface mining by Northern Mine (mine index 675). Production indicates less than 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	33N 8E	9	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	20			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Peart & Nicholson *	Peart & Nicholson	1932-1934	<u>3,946</u> 3,946

* This mine was identified on the 1950 mined-out area map as McFolson & Peart.

Last reported production: 1934

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS mined-out area map, Area 1	1950	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 (Grundy County) - Mine names, mine index, ownership, years of operation.

ENR Document 85/01 - Mining method.

Mine notes (Grundy County) - Mine type, shaft location, seam, depth, thickness.

ISGS mined-out area map - Shaft location.

Mine Index 2374
Schramm Brothers, Schramm 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	Grundy	33N 8E	15	NW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	25			3.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Schramm, Matywith & Schramm	Schramm	1932-1932	80
Schramm Brothers	Schramm	1933-1936	<u>8,102</u> 8,182

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

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

Mine Index 2375**Big Four Wilmington Coal Company, Big Four Wilmington No. 4 Mine**

Type: Underground Total mined-out acreage shown: None Production indicates approximately 35 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Grundy	33N 8E	27	NE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	75			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Star Coal Company	Star No. 4	1900-1902	84,809
Taylor & Cavanaugh	Taylor & Cavanaugh No. 4	1902-1904	84,004
Big Four Wilmington Coal Company	Big Four Wilmington No. 4	unknown *	<u>unknown</u> *
			168,813

* No production listed under this name in the Coal Reports. Production from this location was probably reported from the tippie of one of the other Big Four Wilmington Company mines; No. 1 (mine index 2379), No. 2 (mine index 2381), No. 3 (mine index 2382), No. 5 (mine index 2378) or No. 6 (mine index 6). Another alternative is that the reserves were bought as a company package, but this mine did not operate after 1904. Usually a mine is known as the name of the last producing coal company. Since contemporaneous literature referred to the Big Four Wilmington No. 4 Mine, the convention is waived.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS Bulletin 43, Plate III	1919	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

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

Mine notes (Grundy County) - Mine type, slope location.

ISGS Bulletin 43, Plate III - Slope location.

Microfilm map, document 351692, reel 03137, frames 59 & 60, map of Big Four Wilmington No. 5 Mine (mine index 2378) - Mine outline (southernmost extension, too incomplete for use).

Mine Index 2376**Coal City Coal Company, Coal City No. 1 Mine**

Type: Underground Total mined-out acreage shown: 3 About half of this mine was later surface-mined by Northern Mine (mine index 675).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	33N 8E	28	SW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	53			2.83	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Coal City Coal Company *	Coal City No. 1 **	1937-1941	<u>7,641</u> 7,641

* The mine changed ownership in 1940, but continued to report under the same name.

** This mine may have also been known as the Monbrum Mine.

Last reported production: 1941

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351482	1-25-1941			Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

ENR Document 85/01 - Mining method.

Mine notes (Grundy County) - Mine type, shaft location, seam, depth, thickness.

Microfilm map, document 351482, reel 03136, frame 231 - Shaft location, mine outline, mining method.

Mine Index 2377
Will County Coal Company, Will County Mine

Type: Surface Total mined-out acreage shown: None Production indicates approximately 5 acres were mined. This surface mine was later encompassed by the Northern Mine (mine index 675) and Will County Mine pit is not shown separately on the accompanying map. (The tiple is shown.)

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Grundy	33N 8E	31	SE SW SE
Pit	Grundy	33N 8E	29	SE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester				2.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Will County Coal Company	Will County	1936-1937	<u>18,952</u> 18,952

Last reported production: January 1937

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS mined-out area map, Area 1	1950	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, thickness, mining method.
 Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Grundy County) - Mine type, pit location, seam, mining method.
 ISGS mined-out area map - Tipple location.

Mine Index 2378

Big Four Wilmington Coal Company, Big Four Wilmington No. 5 Mine

Type: Underground Total mined-out acreage shown: 404 Production indicates approximately 140 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	33N 8E	33	NW SE NE
Air shaft (old)	Grundy	33N 8E	33	NE SW NE
Air shaft (1904)	Grundy	33N 8E	33 *	
Air shaft (1911)	Grundy	33N 8E	34 *	
Slope (1911)	Grundy	33N 8E	34 *	

* These openings were noted in the text of the Coal Reports. The 1904 air shaft was new and constructed at the southeast working face. The 1911 Coal Report noted a slope constructed as a passageway for the mules and a new air shaft in the southeast workings. Both of these were constructed after the source map date, and are not shown on the accompanying map. An old air /escape shaft was required by law and would have been constructed near the main shaft. The air shaft shown on the 1906 source map was probably the most recently constructed (1904) and the original air shaft is not shown on the source map or the accompanying map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	118			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Star Coal Company	Star No. 3	1892-1902	887,213
Taylor & Cavanaugh	Taylor & Cavanaugh No. 5	1902-1904	251,126
Big Four Coal Company	Big Four No. 5	1904-1905	134,014
Big Four Wilmington Coal Company	Big Four Wilmington No. 5	1905-1906	184,945
Big Four Wilmington Coal Company	Big Four Wilmington No. 5	1906-1912 **	<u>549,674 ***</u>
			2,006,972

** The top works of this mine were destroyed by a cyclone on June 12, 1912. The outline shown for this mine may also include a mine operated by Kangley called the Floater Mine, in the NE NW of section 34, T33N R8E. No production or years of operation are known for the Floater Mine.

*** Production after map date

Last reported production: 1912

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351692	8-1906	1:2000	1:4146	Not final

Annotated Bibliography (data source, brief description of information)

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

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

ENR Document 85/01 - Mining method.

Mine notes (Grundy County) - Mine type, shaft location, depth.

Microfilm map, document 351692, reel 03137, frames 59 & 60 - Shaft locations, mine outline, mining method.

Carbon Hill Centennial, 1992 - Mine history.

Personal communication, Michele Micetich, 9-2007 - Ownership (Floater Mine).

Mine Index 2379**Big Four Wilmington Coal Company, Big Four Wilmington No. 1 Mine**

Type: Underground Total mined-out acreage shown: 117, with an incomplete outline. Production indicates approximately 125 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	33N 8E	35	SE NW SE
Air shaft	Grundy	33N 8E	35	SE NW SE *

* No primary maps of this mine have been found, but the Sanborn Map Company showed the air shaft to be approximately 100 feet southwest of the main shaft. This location is very general and the air shaft is not shown on the accompanying map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	80-112			2.75-3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
William B. Suffren & Brothers	Suffren	1878-1887	241,815
Suffren Brothers	Suffern	1887-1891	136,645
Big Four Wilmington Coal Company	Big Four No. 1	1891-1892	62,313
Sunday Creek Coal Company	Big Four No. 1	1892-1893	73,948
Big Four Wilmington Coal Company	Big Four Wilmington No. 1	1893-1895	<u>65,689</u>
			580,410

Last reported production: 1895

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Plat Book of Grundy County, Illinois	1892	1:31680	1:31680	Secondary source
Coal Section Files, 10-9-4	4-1906	1:1200	1:1200	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 (Grundy County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Grundy County) - Mine type, shaft location.
 Plat Book of Grundy County, Illinois, Compiled & published by Geo. A. Ogle & Co., Chicago, Illinois - Shaft location.
 Sanborn Map Company (Coal City) - Air shaft location.
 Coal Section Files, 10-9-04, traced map of Wilmington Coal Mining & Manufacturing Company, No. 4 Mine (mine index 3556) ** - Mine outline (east part of mine).

** Original map is mounted on wall of Coal City Public Library, Coal City, Illinois.

Mine Index 2380
Star Coal Company, Star No. 1 Mine

Type: Underground Total mined-out acreage shown: None Production indicates approximately 260 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	33N 8E	35	SE NW SW
Air shaft	Grundy	33N 8E	35	SE NW SW *

* No primary maps of this mine have been found, but the Sanborn Map Company showed the air shaft to be approximately 225 feet northwest of the main shaft. This location is very general and the air shaft is not shown on the accompanying map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	96-113			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Streator & Wilmington Star Coal Company	Streator & Wilmington Star No. 1	1883-1889 **	326,131
Star Coal Company	Star No. 1	1889-1903 ***	<u>958,543</u>
			1,284,674

** This mine may have operated as the Suffern No. 1 Mine prior to 1883. No production or years of operation are known.

*** Idle 1898, probably due to a fire that destroyed the top works during the strike.

Last reported production: 1903

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Plat Book of Grundy County, Illinois	1892	1:31680	1:31680	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

Plat Book of Grundy County, Illinois, Compiled & published by Geo. A. Ogle & Co., Chicago, Illinois - Shaft location.

USGS topographic map, Coal City, 1953, Photorevised 1980 - Mine location.

Sanborn Map Company (Coal City) - Air shaft location.

Personal communication, Michele Micetich, 9-2007 - Ownership (Suffern Mine).

Mine Index 2381
Big Four Wilmington Coal Company, Maria Mine

Type: Underground Total mined-out acreage shown: None Production indicates approximately 255 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (circular)	Grundy	33N 8E	35	SE NW NE
Air / escape shaft	Grundy	33N 8E *		
Slope (men & materials)	Grundy	33N 8E *		
Slope	Grundy	33N 8E *		

* The haulage slope with a 25-degree incline was under construction one mile from the shaft in 1899. The 1899 Coal Report also noted that the man-and-material slope was in use at the time, and that the escape shaft was in good shape. Since no source map was found for this mine, precise locations of these slopes and the air shaft cannot be determined.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	90			3.0-3.33	LW

Geologic Problems Reported: Slips in the roof caused a roof fall that resulted in a fatality in 1896.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Big Four Coal Company	Maria, Big Four No. 2	1893-1894	62,576
Sunday Creek Coal Company	Sunday Creek No. 2	1894-1895	24,718
Big Four Wilmington Coal Company	Maria, Big Four Wilmington No. 2	1895-1904	<u>1,267,183</u>
			1,354,477

Last reported production: 1904

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Plat Book of Grundy County, Illinois	1909	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, geologic problems, types of openings.

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

Mine notes (Grundy County) - Mine type, shaft location.

Plat Book of Grundy County, Illinois - Shaft location.

Mine Index 2382**Big Four Wilmington Coal Company, Big Four Wilmington No. 3 Mine**

Type: Underground Total mined-out acreage shown: 172 Production indicates approximately 27 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Grundy	33N 8E	36	NW SW NE
Air shaft	Grundy	33N 8E	36	NW SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	70-85			3.0	LW

Geologic Problems Reported: A few small faults were reported. The roof was sandstone in most of the mine, which is uncommon in Grundy County. The coal contained pyrite concretions. The seam was also very wet, especially the lower half, which dripped when first exposed.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Big Four Wilmington Coal Company	Big Four Wilmington No. 3; Dewey	1899-1907	813,425
Big Four Wilmington Coal Company	Big Four Wilmington No. 3	1907-1909	134,855 *
			948,280

* Production after map date

Last reported production: 1909

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351487	8-7-1907	1:4800	1:8607	Not final

Annotated Bibliography (data source, brief description of information)

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

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

ENR Document 85/01 - Mining method.

Mine notes (Grundy County) - Mine type, slope location, depth, geologic problems, mining method.

Microfilm map, document 351487, reel 03136, frames 236 & 237 - Slope & shaft locations, mine outline, mining method.

Mine Index 3360
Star Coal Company, Star No. 2 Mine

Type: Underground Total mined-out acreage shown: None Production indicates approximately 350 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	33N 8E	34	NW NE SW
Air shaft	Grundy	33N 8E	34	NW NE SW *

* No original company maps of this mine have been found, but the Sanborn Map Company showed the air shaft to be approximately 210 feet north of the main shaft. This location is very general and the air shaft is not shown on the accompanying map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	120			3.0	LW

Geologic Problems Reported: A slip in the roof cause one death in 1897.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Streator & Wilmington Star Coal Company	Streator & Wilmington Star No. 2	1887-1889	59,713
Star Coal Company	Star No. 2	1889-1901	<u>1,661,741</u>
			1,721,454

Last reported production: 1901

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Plat Book of Grundy County, Illinois	1892	1:31680	1:31680	Secondary source

Annotated Bibliography (data source, brief description of information)

- Coal Reports - Production, ownership, years of operation, seam, thickness, geologic problems, mining method.
- Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, ownership, years of operation.
- Plat Book of Grundy County, Illinois, Compiled & published by Geo. A. Ogle & Co., Chicago, Illinois - Shaft location.
- Sanborn Map Company (Coal City) - Shaft locations, depth.
- USGS topographic map, Coal City, 1953, Photorevised 1980 - Mine location.

Mine Index 3556**Wilmington Coal Mining & Manufacturing Company, Diamond No. 4 Mine**

Type: Underground Total mined-out acreage shown: 350

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	1	SE NW NW
Air shaft	Grundy	32N 8E	1	SE NW NW *

* The Sanborn-Perris Map Company showed an air shaft to be approximately 80 feet southwest of the main shaft. This location is very general and is not shown on the accompanying map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	116			3.0	LW

Geologic Problems Reported: Two deaths were caused by roof falls (in 1898 and 1900). One of these roof falls was an upwards-sloping slip in the roof.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Coal Mng. & Manufacturing Co.	Diamond No. 4	1891-1906	2,172,969
			2,172,969

Last reported production: 1906

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	4-1906	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, thickness, mining method, geologic problem.
 Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Grundy County) - Mine type, shaft location.
 Sanborn-Perris Map Company (Braidwood) - Air shaft location, depth.
 Company map, traced 2006** - Mine location, mine outline (west side).

** Original map is mounted on the wall of the Coal City Public Library, Coal City, Illinois.

Mine Index 4973**Wilmington Coal Mining & Manufacturing Company, Diamond No. 5 Mine**

Type: Underground Total mined-out acreage shown: 60

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	12	NE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	110			3.0	LW

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Wilmington Coal Mng & Manufacturing Co.	Diamond No. 5	1900-1905	<u>260,448</u> 260,448

Last reported production: 1905

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	4-1906	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, mining method, mine location.
 Directory of Illinois Coal Mines (Will County) - Mine names, mine index, ownership, years of operation.
 Company map, traced 2006* - Mine location, mine outline, shaft location.

* Original map is mounted on the wall of the Coal City Public Library, Coal City, Illinois.

Mine Index 5426
Dominick Galo, Galo 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 shaft	Grundy	33N 8E *		

* This mine was said to be at Carbon Hill, but no other location information was found. This mine is not shown on the accompanying map. It likely lies within the general area of mining shown on the accompanying map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	45			2.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Dominick Galo	Galo	1894-1895	532 532

Last reported production: 1895

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
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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 (Grundy County) - Mine names, mine index, ownership, years of operation.

Mine Index 5516**Wilmington Coal Mining and Manufacturing Company, Klondyke Mine**

Type: Underground Total mined-out acreage shown: 117

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Shaft *	Grundy	33N 8E	36	SW NE SW

* Labeled on the source map as an air shaft, this shaft may have originally been used as the main shaft and later converted to an air shaft.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Colchester					LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Coal Mng & Manufacturing Co.	Klondyke	pre 1881 **	

** The company name has been assumed based on other mining in the area and the source map. This mine appears to connect underground to Diamond No. 4 Mine (mine index 3556). The years have been assumed since no production for a mine with this name was reported.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	4-1906	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, ownership, years of operation.
 Company map, traced 2006*** - Mine location, mine outline (west side).

*** Original map is mounted on the wall of the Coal City Public Library, Coal City, Illinois.

Mine Index 5941**Wilmington Coal Mining & Manufacturing Company, Diamond No. 1 Mine**

Type: Underground Total mined-out acreage shown: 47 The approximate size of the mine is estimated to be 90 acres. Additional mining may have continued to the south of the outline shown.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	1	NE NE NE
Air shaft	Grundy	32N 8E	1	NW NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	84			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Coal Mining & Manufacturing Co.	Diamond No. 1	1881-1883 *	141,809 *
			141,809

* Production and years of operation before July 1881 are unknown. The 1882 Coal Report indicated 80 acres had been mined.

Last reported production: 1883

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Atlas	1874	1:6336	1:6336	Secondary source
Company	4-1906	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness.
 Directory of Illinois Coal Mines (Will County) - Mine names, mine index, ownership, years of operation.
 ENR Document 85/01 - Mining method.
 1874 Atlas of Grundy County, Illinois, 1874 - Shaft locations.
 Company map, traced 2006** - Mine location, mine outline (west side).

** Original map is mounted on the wall of the Coal City Public Library, Coal City, Illinois.

OTHER MINES SHOWN ON COAL CITY QUADRANGLE

Mine Index 2303, William Burt SE 19-T33N-R8E, shaft, 20 feet deep, 3.0 feet thick source: Worthen et al. (1870)
 Mine Index 2695, Benson SE 19-T33N-R8E source: <http://coalcity.lib.il.uc/coalmining/pages/coalcity/gooselake.html>
 Mine Index 2699, George "Pig Iron" Woods, One-Man Mine center 11-T33N-R8E, shaft, 60' deep source: [The Braidwood Story](#)
 Mine Index 3099 SE NE SW 34-T33N-R8E source: ISGS Bulletin 43, Plate 3 (1919)
 Mine Index 5510 SE SW SW 10-T33N-R8E source: 1874 Atlas of Grundy County, Illinois
 Mine Index 5511 NW SW NW 15-T33N-R8E source: 1874 Atlas of Grundy County, Illinois
 Mine Index 5512 SE SW NE 16-T33N-R8E source: 1874 Atlas of Grundy County, Illinois
 Mine Index 5513 SE NW NE 16-T33N-R8E source: 1874 Atlas of Grundy County, Illinois
 Mine Index 6839 NW NE NE 16-T33N-R8E source: 1874 Atlas of Grundy County, Illinois
 Mine Index 6999 NE NW SW 16-T33N-R8E source: ISGS map library, 4102 i5.1-74, Northern Illinois Coal Corp.
 Mine Index 7000 SE SE NE 16-T33N-R8E source: ISGS map library, 4102 i5.1-74, Northern Illinois Coal Corp.
 Mine Index 7001 NE SE NE 16-T33N-R8E source: ISGS map library, 4102 i5.1-74, Northern Illinois Coal Corp.
 Mine Index 7002 NE SE NE 16-T33N-R8E source: ISGS map library, 4102 i5.1-74, Northern Illinois Coal Corp.
 Mine Index 7003 NE SE NE 16-T33N-R8E source: ISGS map library, 4102 i5.1-74, Northern Illinois Coal Corp.
 Mine Index 7004 NE NE NE 16-T33N-R8E source: ISGS map library, 4102 i5.1-74, Northern Illinois Coal Corp.
 Mine Index 7005 NE NE NE 16-T33N-R8E source: ISGS map library, 4102 i5.1-74, Northern Illinois Coal Corp.
 Mine Index 7006 NE NE NE 16-T33N-R8E source: ISGS map library, 4102 i5.1-74, Northern Illinois Coal Corp.
 Mine Index 7007 SE SE SE 9-T33N-R8E source: ISGS map library, 4102 i5.1-74, Northern Illinois Coal Corp. & ISGS map library, 4103.G72 i5.1-3, Northern Illinois Coal Corp. (Pit 7)
 Mine Index 7023 SE SE SE 9-T33N-R8E, shaft source: ISGS map library, 4103.G72 i5.1-3
 Mine Index 7024 NW NE NE 16-T33N-R8E, shaft source: ISGS map library, 4103.G72 i5.1-3
 Mine Index 7025 NW NE NE 16-T33N-R8E, shaft source: ISGS map library, 4103.G72 i5.1-3
 Mine Index 7026 NE NW NE 16-T33N-R8E, surface source: ISGS map library, 4103.G72 i5.1-3
 Mine Index 7027 NW NW NW 15-T33N-R8E, 2 shafts source: ISGS map library, 4103.G72 i5.1-3

NON-COAL MINES IN THE COAL CITY QUADRANGLE

Illinois Clay Products

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Mine	Grundy	33N 8E	11	NE NW & NW NE

SOURCES OF DATA

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

Annotated Bibliography (data source, brief description of information)

Mine notes (Grundy County) - Mine location.

Hager Brick & Tile Company

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Mine	Grundy	33N 8E	10	N ½ NE

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes	circa 1929	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

ISGS field notes (McDonough County) - Mine location, general mine outline.

MINES WHOSE LOCATIONS ARE NOT KNOWN, COAL CITY 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 Coal City 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 20,346 (all underground-mined), which would represent approximately 6 to 9 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

BRACEVILLE

Schultz (Fred), 1896-1900, shaft, Colchester, 77, 2.67, LW	4,450 tons	Mine Index 5421
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COAL CITY OR CARBON HILL

Goose Lake Coal Company, 1934-1936, underground	5,216 tons
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MORRIS *

Cryer (James), Eureka Mine, 1888-1889, shaft, Colchester, 40, 2.33-2.5, RP	500 tons	Mine Index 5437
Cryer Brothers, Eureka Mine, 1889-1890	1,200 tons	
Cryer (James), Eureka Mine, 1890-1895	<u>8,980 tons</u>	
	10,680 tons	

* Although this mine had a Morris address, the name "Eureka Mine" indicates that this mine is likely located near the old Eureka Mines (mine index numbers 5942 or 5943, Eureka No. 1 and Eureka No. 2 Mines, operating circa 1872 to 1884 on the Wilmington Quadrangle).

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