

Coal Mines in Illinois Gardner Quadrangle Grundy County, Illinois

This map accompanies the Coal Mines Directory for the Gardner 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

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

Mine Annotation (space permitting)

Company
Mine Name
ISGS Index No., Years of Operation

DISCLAIMER

These data were compiled and digitized from the best source maps available. Locations of some features may be offset by 500 feet or more due to errors in the original source maps, the compilation process, digitizing or a combination of these factors. 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. Gardner Quadrangle used as a base map was projected from the original UTM to Lambert Conformal Conic.

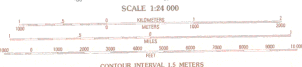
Location



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

Mine Outlines Compiled by
Alan R. Myers
April 11, 2005
Revised July 20, 2007

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
field check.



THIS MAP COMPLETES THE NATIONAL MAP ACCURACY STANDARDS
FOR SCALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA, 2000
AND THE STATE GEOLOGICAL SURVEY, CHAMPAIGN, ILLINOIS, 1980

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GARDNER, ILLINOIS
PROVISIONAL EDITION 1983

41088-80-754-001

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

Alan R. Myers & Jennifer M. Obrad



Department of Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY
2005
REVISED 2007

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

2005
REVISED 2007

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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.

Printed by authority of the State of Illinois/2007

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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 GARDNER QUADRANGLE

The Colchester Coal was mined in this area by longwall mines that operated before 1915. The two underground mines (mine index 2359, Truckers Mine and mine index 2337, the Number Three Mine) that operated after 1930 utilized the room-and-pillar method of mining. Much of the area is shown as a general area of mining because of a lack of good mine maps, an issue related to the age of the mining. The seam ranges between 90 and 200 feet deep and averages about 3 feet thick. Rolls and small faults interfered somewhat with mining. Roof falls from near-surface water percolating into the mines was a problem at two mines in this quadrangle.

Near the town of Gardner, a mine was started in 1863 by James Congson & William Odell (mine index 7029) and operated for more than ten years. Another mine started in 1865, was not so fortunate. The Joint Stock Coal Mining Company attempted to sink a shaft southwest of town, which was abandoned at 40 feet when water was hit. This shaft was then used as a water well for steam locomotives.

Around the village of Braceville, the Milwaukee Coal Company bought out most of the mines and built 'Company Houses' for their employees. At one point, they employed over 600 miners. As these mines closed, most by the late 1800's, many of the 'Company Houses' were moved to southern Illinois by flat car.

The most recent mining was from the surface. The Northern Mine (mine index 675) operated in other seams where the coal was thick enough, such as the Houchin Creek and Cardiff Coals, in addition to the Colchester Coal. This mine ceased operations in 1974.

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.

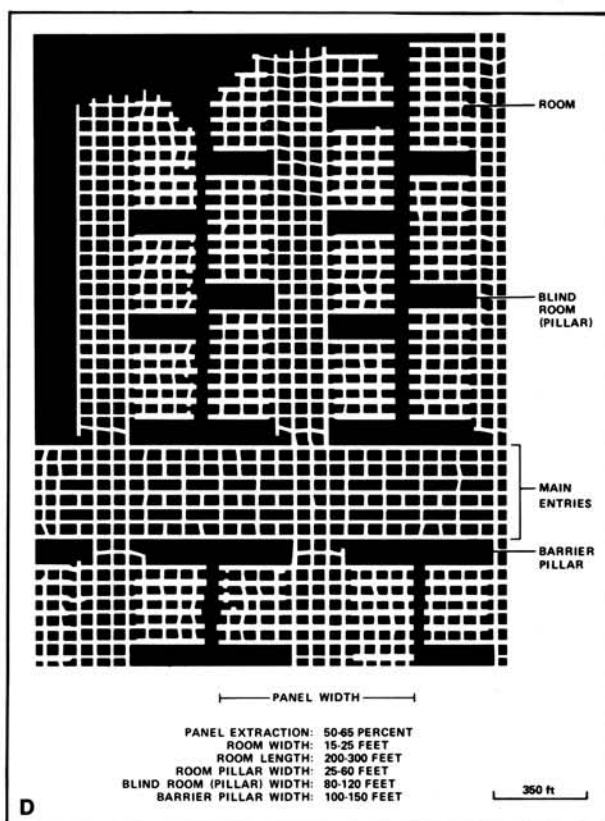
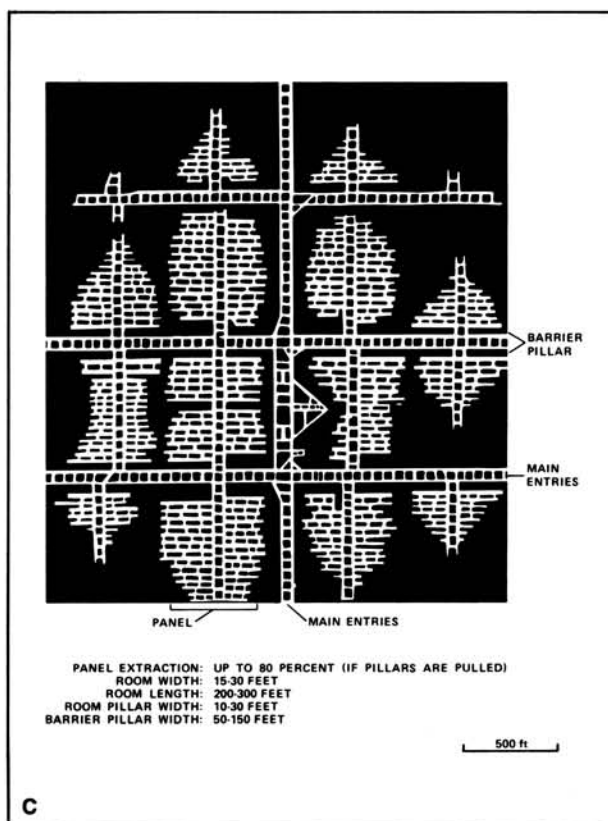
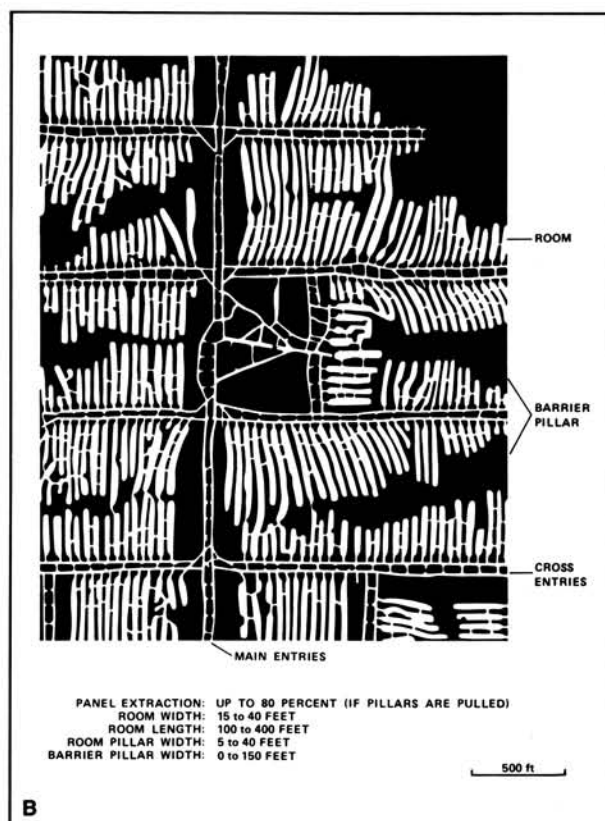
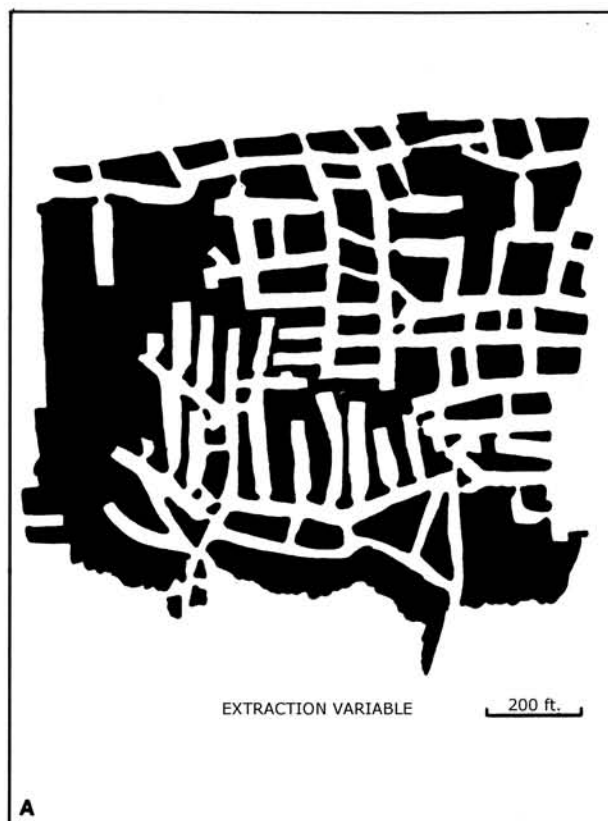


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).

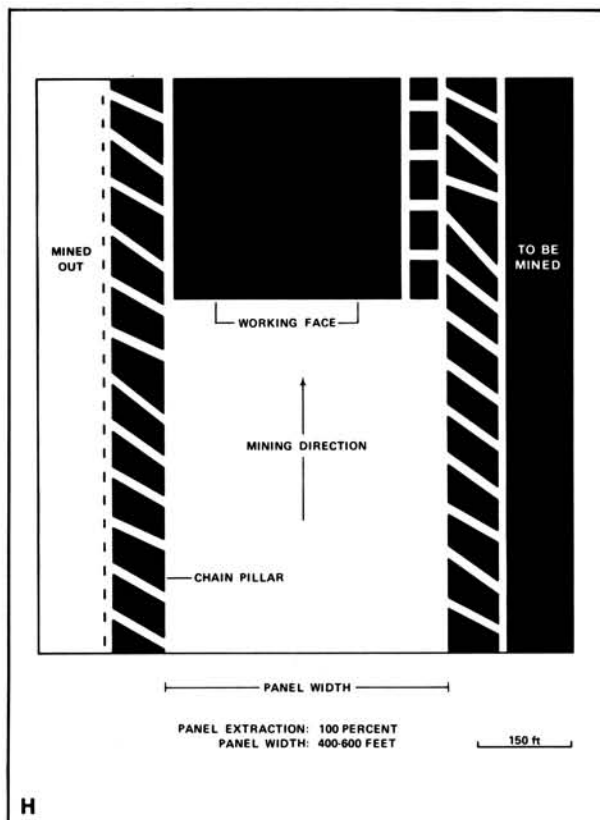
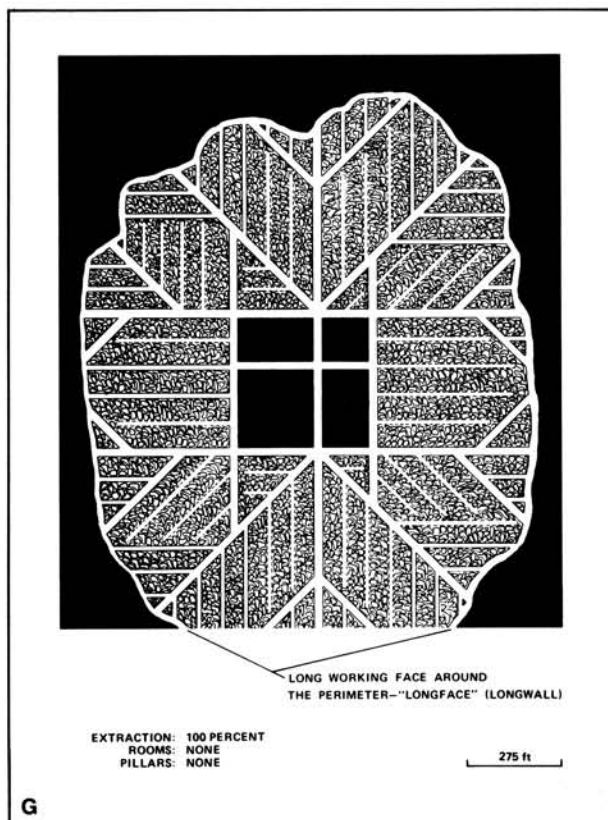
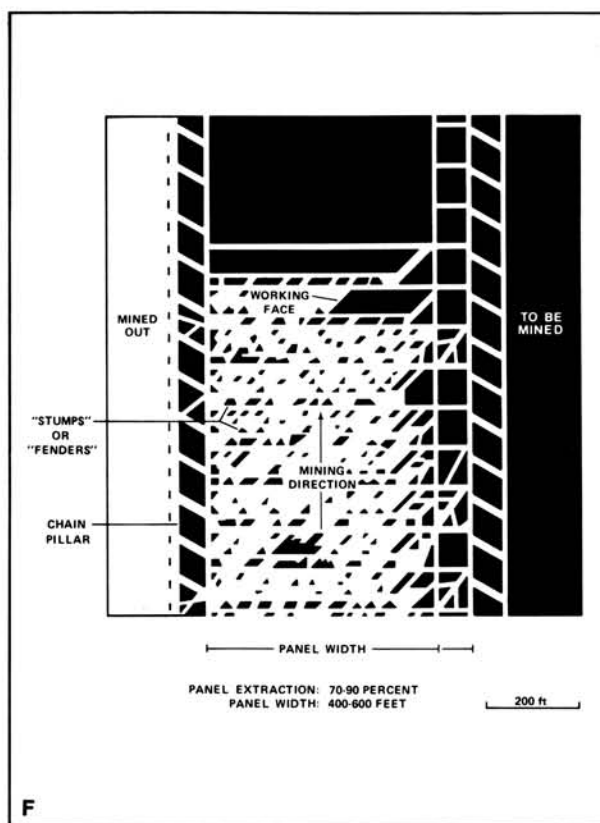
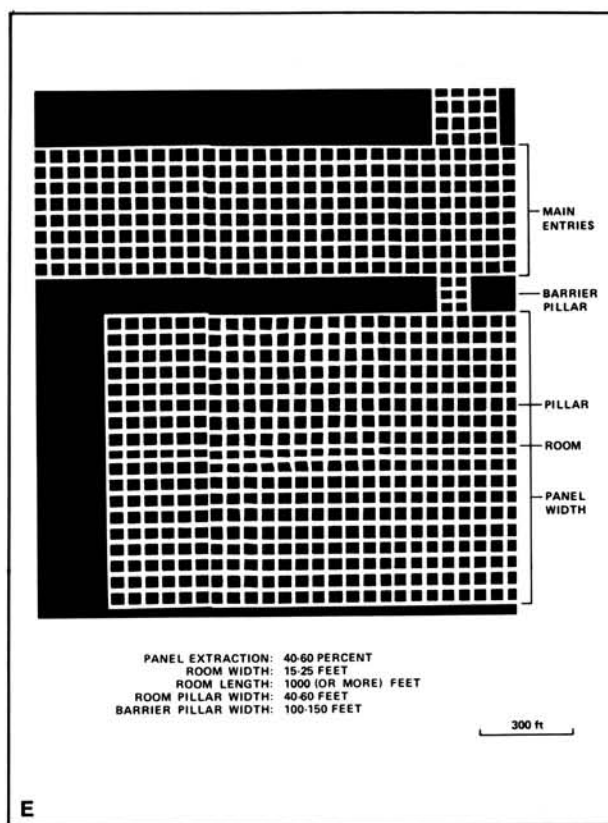


Figure 1 (cont.) Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall



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.

Grundy County Sesquicentennial, 1841-1991, 1991, Co-editors G. Patrick Rooney, Ed. D. & Henry Barschdorf, Bailey Printing Co. Inc., Coal City, Illinois, 111p.

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.

Historical Encyclopedia of Illinois & History of Grundy County, 1914, Munsell Publishing Company, Chicago, Illinois.

History of Grundy County, Illinois, 1882, Chicago: O. L. Baskin & Co. Historical Publishers, 395p.

Joyce, Richard Patrick, 1980, Miners of the Prairie: Life & Labor in the Wilmington, Illinois Coal Field 1866-1897, Thesis for MA, Illinois State University.

PART II DIRECTORY OF MINES IN THE GARDNER QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Gardner 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 7

Chicago, Wilmington & Vermilion Coal Company; Chicago, Wilmington & Vermilion No. 1 Mine

Type: Underground Total mined-out acreage shown: 488 Production indicates an additional 106 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	31N 8E	14	SE SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	187-190	2.83	3.5	3.0	LW

Geologic Problems Reported: Some small faults were reported southwest of the shaft, whose offsets were enough to require grading some of the haulage routes. The roof was 20 feet of gray shale that contained small sandy oblong nodules. The coal contained lenses of pyrite and streaks of gypsum. Some pyrite nodules were present and difficult to remove from the coal. Fusain ("mother coal") was also present in streaks and bands. The impurities were generally highest in the center of the seam. The floor was a dark gray, carbonaceous fire clay that heaved when exposed to air, and heaved badly when it became wet. This clay was also mined for brick production. In the south and southwest areas of the mine, sandstone was encountered which halted mining efforts in those areas.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago, Wilmington & Vermilion Coal Co.	S	1899-1900	127,990
Chicago, Wilmington & Vermilion Coal Co.	C., W. & V. No. 1	1900-1911	2,357,075
Chicago, Wilmington & Vermilion Coal Co.	C., W. & V. No. 1	1911-1914	519,871 *
			3,004,936

* Production after map date

Last reported production: March 1914

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 1-32-73	1-1911	1:2400	1:2400	Not final **
Company, 4103.G72 i5.1-2	4-2-1942	1:24000	1:24000	Final

** Parts of the outline are marked as final on the source map due to geologic problems, and are shown as final on the accompanying map.

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Grundy County) - Depth, thickness, geologic problems.

Company map, Coal Section files, 1-32-73, traced from original map courtesy of the Carbon Hill School Museum - Shaft location, mine outline, mining method, geologic problems.

Company map, ISGS map library, 4103.G72 i5.1-2 - Mine outline (southern part of mine).

Mine Index 260**Chicago, Wilmington, & Vermilion Coal Company; Chicago, Wilmington & Vermilion No. 2 Mine**

Type: Underground Total mined-out acreage shown: 264 This mine was later partially stripped out by Northern Mine (mine index 675).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	31N 8E	11	NW SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	180			3.25	LW

Geologic Problems Reported: The roof was good, a sturdy "soapstone", a gray clay shale.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago, Wilmington & Vermilion Coal Co.	C., W. & V. No. 2	1901-1910	<u>1,493,329</u> 1,493,329

Last reported production: 1910

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 1-732-73	1-1911	1:2400	1:2400	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) - Depth, thickness, geologic problems.

Company map, Coal Section files, 1-32-73, traced from original map courtesy of the Carbon Hill School Museum -
Shaft location, 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, tippie 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 - Tippie location.
 USGS 7.5-minute topographic map, Wilmington Quadrangle, 1993 - Mine outline.
 Coal Section files, 1-27-30A - Tippie 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 2336**Gardner-Wilmington Coal Company, Gardner-Wilmington No. 1 Mine**

Type: Underground Total mined-out acreage shown: 324 Production indicates approximately 150 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	31N 8E	10	NW NE SE
Air shaft (sunk 1884)	Grundy	31N 8E	10 *	

* The combination air-escape shaft is not shown on the accompanying map. The construction was completed and reported in the 1884 Coal Report. The Sanborn Map Company reports of 1885 and 1892 show the air shaft approximately 210 feet northwest of the main shaft.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)		Mining Method
		Min	Max	
Colchester	180-210			LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Taylor Williams	Williams	1882-1889	209,344
Gardner-Wilmington Coal Company **	Gardner-Wilmington No. 1	1889-1899	<u>525,290</u>
			734,634

** Operated by Whitebreast Fuel Company after 1895, but continued to report under the same name.

Last reported production: 1899

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files, 5-e-16	Undated	1:12000	1:12000	Secondary source
Federal Land Bank Report	1-1936	1:124800	1:124800	Secondary source
Coal Section files, 1-32-73	1-1911	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.
 ENR Document 85/01 - Mining method.
 Mine notes (Grundy County) - Mine type, shaft location.
 Coal Section files, 5-e-16, map of Northern Mine (mine index 675) - Mine outline.
 Federal Land Bank Report (Grundy County) - Shaft location.
 Coal Section files, 1-32-73, map of C. W. & V. Mines 1 & 2 (mine indexes 7 & 260), traced from the original map courtesy of the Carbon Hill School Museum - Partial outline (east part of mine).

Mine Index 2337**Number Three Coal Company, Number Three No. 3 Mine**

Type: Underground Total mined-out acreage shown: 592 Approximately 3 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	31N 8E	23	NE NW SE
Air shaft	Grundy	31N 8E	23	SE SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	185			3.25	LW, RPP

Geologic Problems Reported: The source map noted an area in the SW NE NW 23-T31N-R8E where sandstone was found instead of coal. A fault or a sandstone channel was the probable cause of the coal's absence.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago, Wilmington & Vermilion Coal Co.	C., W. & V. No. 3	1909-1914	599,841
Chicago, Wilmington & Franklin Coal Co.	C., W. & F. No. 3	1914-1926 *	2,122,564
Skinner Coal Company	Skinner No. 3	1927-1938	274,754
South Wilmington Coal Company	South Wilmington No. 3	1938-1942	87,456
South Wilmington Coal Company	South Wilmington No. 3	1942-1947 **	15,482 ***
Number Three Coal Company	Number Three No. 3	1948-1954	<u>52,943</u>
			3,153,040

* The mine was not operated because it was abandoned on 2-27-1925 until it re-opened in 1927 under new ownership of John Skinner and Alex Densmore.

** Idle 1944-1947

*** Production after map date. See note below (on this page) on map sources. The 1948-1954 production is included in the mine boundary on the accompanying map (not as "production after map date").

Last reported production: October 29, 1954

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.G72 i5.1-2	4-2-1942	1:2400	1:2400	Final, not final †
Microfilm, document 351480	10-29-1954	1:2400	1:2813	Final †

† Sheet 1 of the company map is dated April 1938, and is final for the northeastern, eastern and southern parts of the mine (working faces were dated 1925 and before). Sheet 2, dated April 1942, illustrates extensions in the northwestern part of the mine. Mining continued in this portion of the mine through 1943. The mine was not re-opened until 1948, when the longwall method was discontinued and the room-and-pillar-panel method utilized. The map showing this segment of the mine also shows the southern half of the earlier extensions unchanged and, therefore, final. The additional 3 acres after the map date are probably in the most northwestern portion of the mine, in NW NW 23-T31N-R8E.

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.

Company map, ISGS map library, 4103.G72 i5.1-2 - Shaft locations, mine outline (northern, northwestern, eastern and southern parts of mine), mining method, geologic problems.

Microfilm map, document 351480, reel 03136, frame 228 - Mine outline, mining method, seam.

Grundy County Sesquicentennial - Mine ownership.

Mine Index 2340
Acme Wilmington Coal Company, Lilly Mine

Type: Underground Total mined-out acreage shown: None Production indicates approximately 13 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

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

* This mine was said to be located 1 mile west of Braceville. A switch was added to the Chicago & Alton Railroad for this mine (now shown on the topographic map as the Illinois Central Gulf Railroad). This would likely place this mine in either section 23 or 26. This mine has not been shown on the accompanying map.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Colchester	107-119			3.0	LW

Geologic Problems Reported: The roof was a hard shale, which was said to be good for longwall mining under. The mine was noted as being very wet. When the underclay was thick enough, it was mined. The underclay heaved "a good deal", and ranged from 3 to 6 feet thick.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Braidwood Wilmington Coal Company	Braidwood Wilmington No. 1	1904-1908	17,685
Acme Wilmington Coal Company	Lilly	1908-1911	17,328
			35,013

Last reported production: 1911

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 (Franklin County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Grundy County) - Mine type, shaft location, depth, geologic problems.

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 2353**Chicago, Milwaukee & St. Paul Railroad Company, Braceville No. 2 Mine**

Type: Underground Total mined-out acreage shown: 88 Production indicates approximately 400 acres were mined after the map was produced. Some of these acres may be included within the outline for Braceville No. 3 Mine (mine index 2356) shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	23	NW SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	105-117			2.0-3.5	LW

Geologic Problems Reported: In 1884, the Coal Report noted that this and the No. 3 Mine (mine index 2356) were probably the most dangerous in the state. The major problem was the percolation of water down to the roof, causing roof falls. The source map shows two persistent rolls that bisected the mine in 1883, although neither prevented through-mining. One trended north-south and ran through the western part of the mine. The other was on the eastern edge and trended northeast-southwest.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Fred Schultz	Braceville No. 2	circa 1877 *	unknown *
Braceville Coal Company	Braceville No. 2	pre1881-1883	193,040
Chicago, Milwaukee & St. Paul Railroad	Braceville No. 2	1883-1883	99,684
Chicago, Milwaukee & St. Paul Railroad	Braceville No. 2	1884-1891	1,595,183 **
Braceville Coal Company	Braceville No. 2	1891-1892	193,955 **
Chicago, Milwaukee & St. Paul Railroad	Braceville No. 2	1892-1894	219,226 **
			2,301,088

* According to the *History of Grundy County* (1914), Fred Schultz sank the shaft and operated the mine for a short time before selling to Braceville Coal Company (which was owned by the Chicago, Milwaukee and St. Paul Railroad). The shaft was not shown on the 1874 Atlas of Grundy County. Production before 1881 is not known.

** Production after map date

Last reported production: March 3, 1894

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files	1883 **	1:3249	1:3249	Secondary source

** The map was taken from the 1884 Coal Report. No survey date is shown on the map, but workings for 1881, 1882 and 1883 are shaded differently.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, 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, depth, thickness, mining method.
 Coal Section files, 1-32-71- Mine type, shaft location, mine outline, mining method.

Mine Index 2354
Chicago, Wilmington & Vermilion Coal Company, K Mine

Type: Underground Total mined-out acreage shown: 79

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft *	Grundy	32N 8E	24	NW SE SE
Air / escape shaft	Grundy	32N 8E	24	NW SE SE

* According to <http://coalcity.lib.il.us/coalmining/pages/coalcity/minereclamation.html>, the shaft was 8 feet by 16 feet, divided into air and hoist shaft partitions.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	90-107			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington & Springfield Coal Company	C	1881-1886	147,937 *
Chicago, Wilmington & Vermilion Coal Co.	K	1886-1888	<u>145,768</u> 293,705

* Production and years of operation prior to July 1881 are unknown.

Last reported production: 1888

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351483	4-1-1888	1:1200	1:2648	Final
Microfilm, document 351486	5-1885	1:1200	1:2400	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, shaft location.
 Microfilm map, document 351483, reel 03136, frame 232 - Mine outline, mining method.
 Microfilm map, document 351486, reel 03136, frame 235 - Shaft locations.

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.

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 eastern and southwestern 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	1,087,990
			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 *

* This map may also be incomplete.

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 2356
Braceville Coal Company, Braceville No. 3 Mine

Type: Underground Total mined-out acreage shown: 313 Production indicates approximately 200 acres were mined. The area shown on the accompanying map is larger than expected for the reported production. Some of this mining may have reported under the Braceville No. 2 Mine (mine index 2353).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	23	NW *

* The mine was placed near the center of the northwest quarter because two large gob piles indicate mining at that location.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	100-118			3.0-6.5	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Braceville Coal Company	Braceville No. 3	1881-1883	71,472
Chicago, Milwaukee & St. Paul Railroad	Braceville No. 3	1883-1891 *	699,757
Braceville Coal Company	Braceville No. 3	1891-1891	<u>20,372</u>
			791,601

* Idle 1887

Last reported production: September 3, 1891

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes (sketched map)	Undated	1:3000	1:3000	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), Company map - Mine type, shaft location, mine outline, depth, thickness, mining method.

Mine Index 2357**Chicago, Milwaukee and St. Paul Railroad, Old Bruce Mine**

Type: Underground Total mined-out acreage shown: 120 The area shown includes the Cotton Mine (mine index 6671), which only operated a short time.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	25	SE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	105			3.0-3.5	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
John Augustine	Augustine	circa 1864 *	unknown *
Bruce Coal Company	Old Bruce No. 1	circa 1874 *	unknown *
Chicago, Milwaukee & St. Paul Railroad **	Old Bruce	unknown	unknown *

* Production and years of operation prior to July 1878 and between July 1879 and June 1881 are unknown. This mine is shown on the 1874 Atlas, on land owned by Bruce Coal Mining and Manufacturing Company. The mine owners and opening year are known from *History of Grundy County* (1914). In *Miners of the Prairie*, a cooperative shaft was said to have been sunk in 1858 at the present site of Braceville, which may indicate this mine.

** Same as Braceville Coal Company

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:23571	1:23571	Secondary source
Atlas of Grundy County	1874	1:6336	1:6336	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), Company map - Mine type, shaft location, mine outline, depth, thickness, mining method.
 1874 Atlas of Grundy County - Shaft location.
 Historical Encyclopedia of Illinois & History of Grundy County, 1914 - Mine ownership.
 Grundy County Sesquicentennial - Mine ownership.

Mine Index 2358
Euchre Mine

Type: Underground Total mined-out acreage shown: 144 The area shown is a general area of mining and is probably much larger than the area actually mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	34	NW SW SE *

* The shaft may be slightly northeast of the location shown on the accompanying map. The 1874 Atlas of Grundy County shows the mine in NE SW SE.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	140			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
	Euchre	circa 1872-1875	unknown **

** Production before 1882 is unknown.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files, 5-e-16	Undated	1:12000	1:12000	Secondary source
Federal Land Bank Report	3-1936	1:124800	1:124800	Secondary source

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Grundy County) - Mine names, mine index, years of operation.
 ENR Document 85/01 - Mining method.
 Mine notes (Grundy County) - Mine type, seam, depth, thickness, mining method.
 ISGS Coal Section files, 5-e-16, map of Northern Mine (mine index 675) - Mine outline.
 Federal Land Bank Report (Grundy County) - Shaft location, general area of mining (southeastern and western).
 1874 Atlas of Grundy County - Shaft location.

Mine Index 2359**Truckers Coal Company, Truckers Mine**

Type: Underground Total mined-out acreage shown: 2 Production indicates less than 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	36	NE NE NW
Air shaft	Grundy	32N 8E	36	NE NE NW *
Air shaft	Grundy	32N 8E	36	NW NW NE **

* The main shaft was partitioned into air and hoist compartments.

** This air shaft was under construction and only 5 feet down, as shown on the not-final source map. This air shaft construction may not have been completed before the mine closed.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	112			3.17	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Clark City Coal Company ***	Clark City	1936-1937 †	5,265
Truckers Coal Company	Truckers	1938-1938	610
Truckers Coal Company	Truckers	1938-1939	691 ††
			6,566

*** ISGS mine notes indicate that Roanoke Wilmington Coal Corporation was associated with the opening of this mine, but no production was reported under that name.

† Idle 1937

†† Production after map date

Last reported production: 1939

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351484	8-12-1938	1:360	1:795	Not 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, ownership.

Microfilm map, document 351484, reel 03136, frame 233 - Shaft locations, mine outline, mining method, seam.

Mine Index 5519**Braceville Coal Company, Braceville No. 1 Mine**

Type: Underground Total mined-out acreage shown: 204

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	26	SE cor NW NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	105			3.0-3.5	LW

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Bruce Coal Company	Bruce	circa 1874-1879	20,000 *
Braceville Coal Company **	Braceville No. 1	1881-1883	<u>188,276</u>
			208,276

* Production and years of operation prior to July 1878 are unknown. The shaft was shown on the 1874 Atlas of Grundy County.

** Owned by Chicago, Milwaukee & St. Paul Railroad

Last reported production: 1883

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	Undated	1:23571	1:23571	Secondary source
Atlas of Grundy County	1874	1:31680	1:31680	Secondary source

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.

Mine notes (Grundy County), Company map - Mine type, mine outline, depth, thickness, mining method.

1874 Atlas of Grundy County - Shaft location.

Mine Index 6671
Cotton Shaft

Type: Underground Total mined-out acreage shown: None This mine is within a larger area mined by the Old Bruce Mine (mine index 2357).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	32N 8E	25	NE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Colchester	98				LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Nicholas Cotton	Cotton	circa 1864	unknown *

* According to *History of Grundy County* (1914), this was the first shaft sunk at Braceville but it only operated for a short time. Production and date of operation are unknown. In *Miners of the Prairie*, a cooperative shaft was said to have been sunk in 1858 at the present site of Braceville, which may indicate this mine. In *Grundy County Sesquicentennial*, Nicholas Cotton was said to have donated land to the village for Cotton Cemetery. The road along the mine was also said to have been called "Smokey Row" because of the row of "black, unpainted, one-story houses" there.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Atlas of Grundy County	1874	1:6336	1:6336	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 name.
 Atlas of Grundy County, 1874 - Shaft location, mine name.
 History of Grundy County, 1882 - Depth.

Mine Index 7029**Chicago, Wilmington & Vermilion Coal Company, Chicago, Wilmington & Vermilion Mine**

Type: Underground Total mined-out acreage shown: 70 acres as a general area of mining

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	31N 8E	4	SW NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Colchester	160				

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
James Congson & William Odell	Congson & Odell	1863-1864 *	
William Odell	Odell	1864-1865 *	
William Steel & Thomas Kerr	Steel & Kerr	1865-ca.1866	
Thomas Kerr, William Steel & D. G. Wells	Kerr, Steel & Wells	ca.1866-1867	
Aaron K. Stiles	Stiles	1867-1872	
Gardner Coal Company	Gardner	1872-ca.1873	
Chicago, Wilmington & Vermilion	Chicago, Wilmington & Vermilion	ca.1873-1874 **	

* Congson & Odell leased this mine in December 1863, and abandoned the shaft in January 1864 when the sides caved from hitting water at 60 feet. The mine reopened in the fall of 1864 when Congson sold out to Odell.

** Production for this mine is unknown. A cooperative coal company was said to have leased the mine after Chicago, Wilmington & Vermilion, but closed it shortly thereafter, so there may have not been any production under that ownership. This mine was likely small in size as there is no mine dump visible on topographic maps.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Federal Land Bank Report	3-1936	1:124800	1:124800	Secondary source

Annotated Bibliography (data source, brief description of information)

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

Federal Land Bank Report - Shaft location, mine outline.

Historical Encyclopedia of Illinois & History of Grundy County, 1914 - Ownership, years of operation.

History of Grundy County, 1882 - Depth.

OTHER MINES SHOWN ON GARDNER QUADRANGLE

Mine Index 2334 SE NW SE 3-T31N-R8E, shaft source: Coal Section files 5-e-16, Federal Land Bank Report
Mine Index 5515 NE cor SE NW NE 26-T32N-R8E, shaft source: 1874 Atlas of Grundy County
Mine Index 5518 NW SE SW 25-T32N-R8E, longwall source: Federal Land Bank Report
Mine Index 7030 NE NE SE 23-T32N-R8E source: Federal Land Bank Report

MINES WHOSE LOCATIONS ARE NOT KNOWN, GARDNER 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 Gardner 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 4,450 (all underground-mined), which would represent approximately 1 acre, 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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Wilmington (Chicago, Wilmington & Vermilion)	27

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Wilmington (Roanoke Wilmington Coal Corporation)	24
Wilmington (South Wilmington Coal Company)	14
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Funding for this project was supplied by the Illinois Department of Transportation.