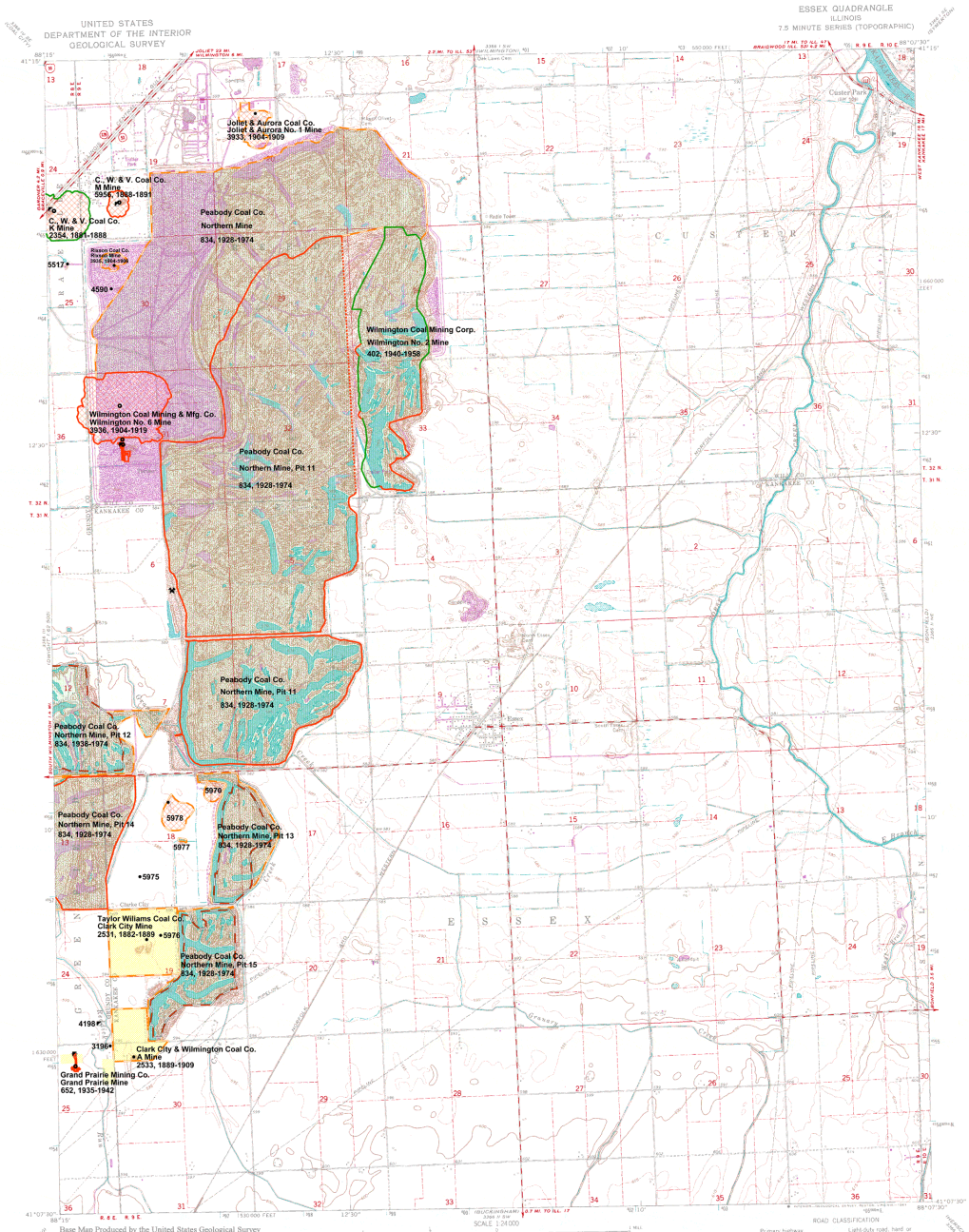

Coal Mines in Illinois
Essex Quadrangle

Grundy, Kankakee & Will Counties, Illinois

This map accompanies the Coal Mines Directory for the Essex 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

Location

Mine Annotation

(space permiting)
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 of 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. Essex Quadrangle used as a basemap was projected from the original UTM to Lambert Conformal Conic.

ILLINOIS DEPARTMENT OF NATURAL RESOURCES

ISGS Illinois State Geological Survey Coal Section

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

Mine Outlines Compiled by
Jennifer M. Obrad

March 16, 2006
Revised June 13, 2013

DIRECTORY OF COAL MINES IN ILLINOIS
7.5-MINUTE QUADRANGLE SERIES
ESSEX QUADRANGLE
GRUNDY, KANKAKEE & WILL COUNTIES

Jennifer M. Obrad

Department of Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY
2006
REVISED 2007

DIRECTORY OF COAL MINES IN ILLINOIS
7.5-MINUTE QUADRANGLE SERIES
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2006
REVISED 2007

ILLINOIS STATE GEOLOGICAL SURVEY
William Shilts, Chief

Natural Resources Building
615 East Peabody Drive
Champaign, Illinois 61820

Phone 1-217-244-4610
Fax 1-217-333-2830

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

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

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

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CONTENTS

INTRODUCTION

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

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

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

MINING IN THE ESSEX QUADRANGLE

Coal was first said to have been discovered in Essex Township about 1820 by Matthewson, the State Geologist, at Cook's shaft (Essex, Illinois, A History, 1977 and A Journey into the Past, 1985). Evidence of coal mining in the Essex Quadrangle goes back to as early as 1870 (mine index 3196), with 3 feet of good block coal, a roof of black shale, and numerous pyrite concretions. The coal was fairly deep (55 to 180 feet), so early mining in this area was underground. The Colchester Coal was the seam most often mined and it averaged about three feet thick. Thin coals were usually mined in the old longwall method, where all of the coal was removed and gob from the roof was piled behind the advancing miners to support the roof. The Houchin Creek Coal varied greatly in thickness, ranging up to 5 feet thick where it was present. This coal was usually mined in the room-and-pillar method. The Clark City & Wilmington Coal Company mined both the Houchin Creek and Colchester Coals, but the Houchin Creek (the upper seam) had a tendency to spontaneously combust, and at one point several smouldering fires were active. These fires led the company to seal off the upper seam for a few years to smother the fires before they could come back and mine the thicker coal there.

The last mine to operate was Peabody Coal Company's Northern Mine (mine index 834). This large surface mine operated until 1974, when the last pit closed in Kankakee County.

PART I EXPLANATION OF MAP AND MINE SUMMARY SHEET

INTERPRETING THE MAP

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

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

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

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

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

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

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

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

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

SOURCE MAPS

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

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

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

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

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

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

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

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

POINTS AND LABELS

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

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

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

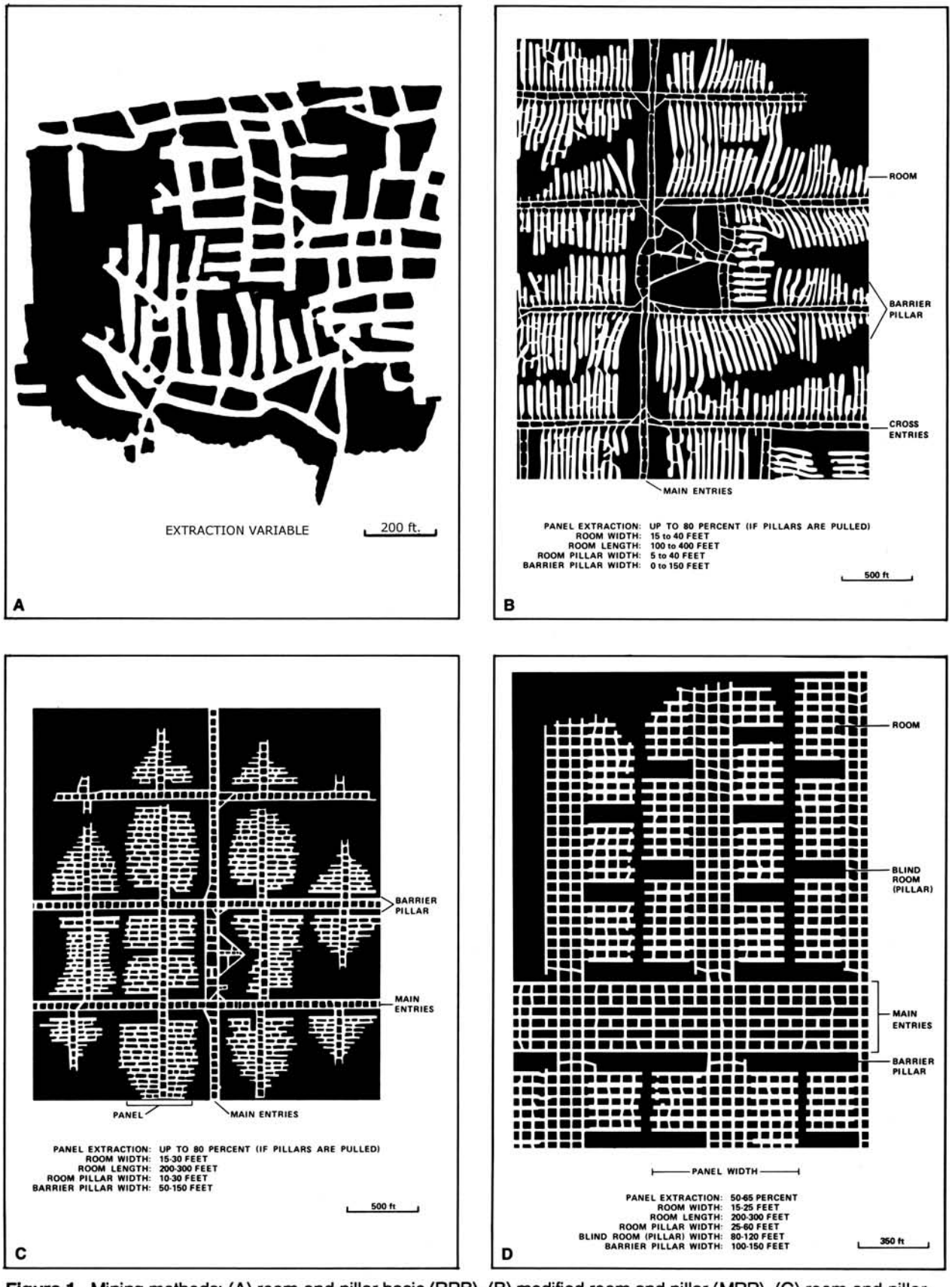
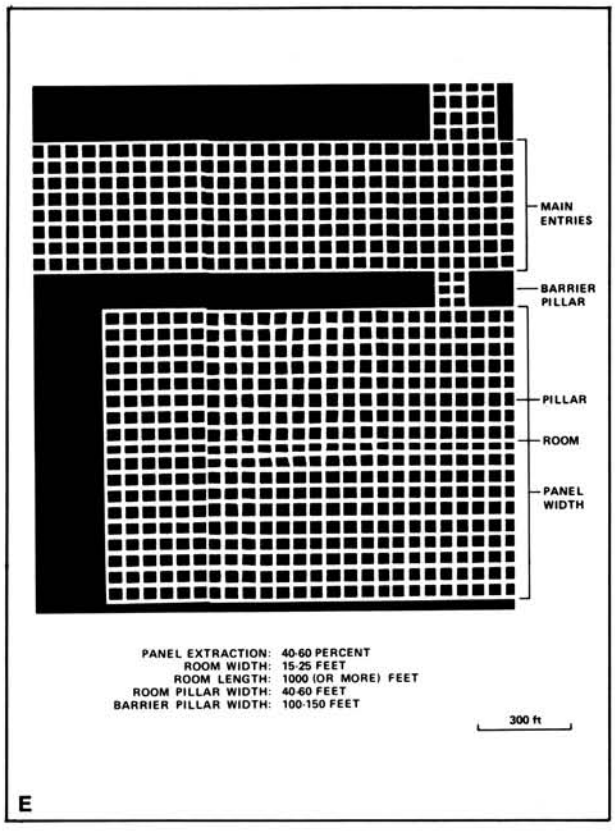
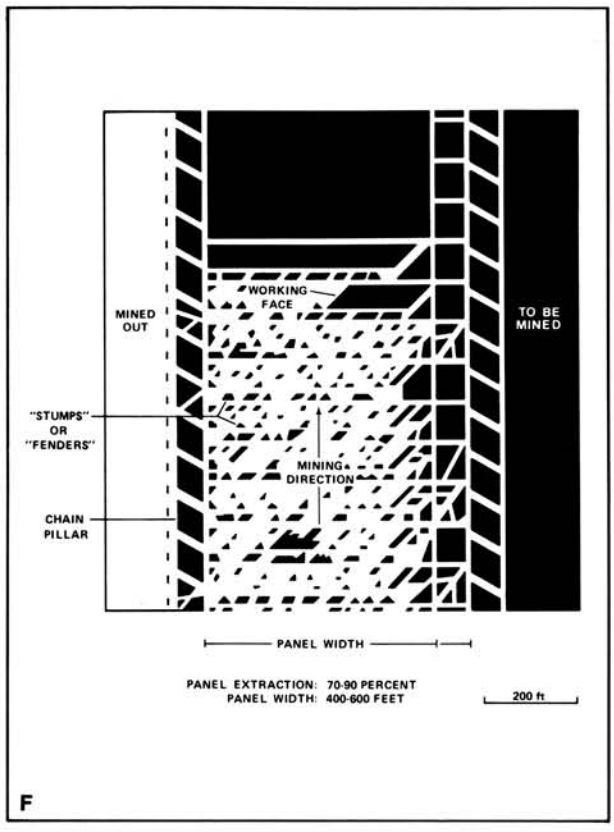
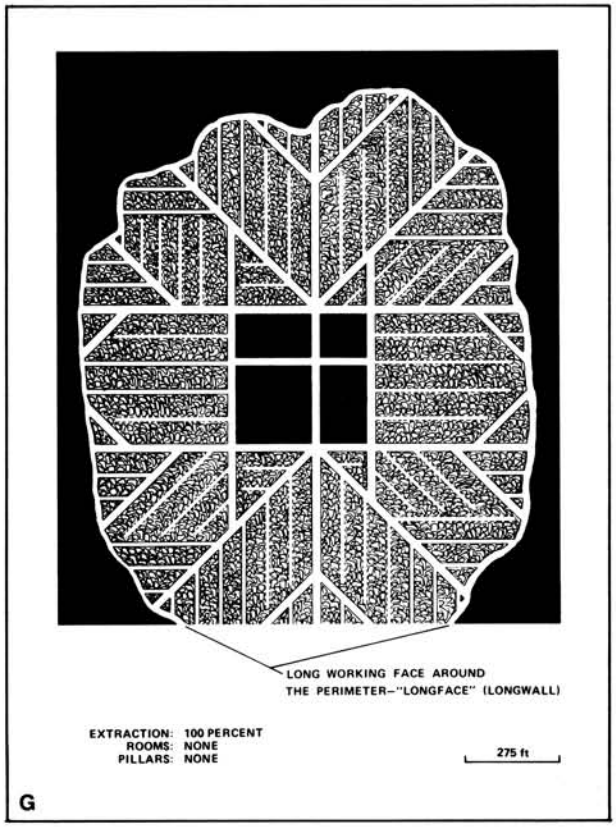


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).







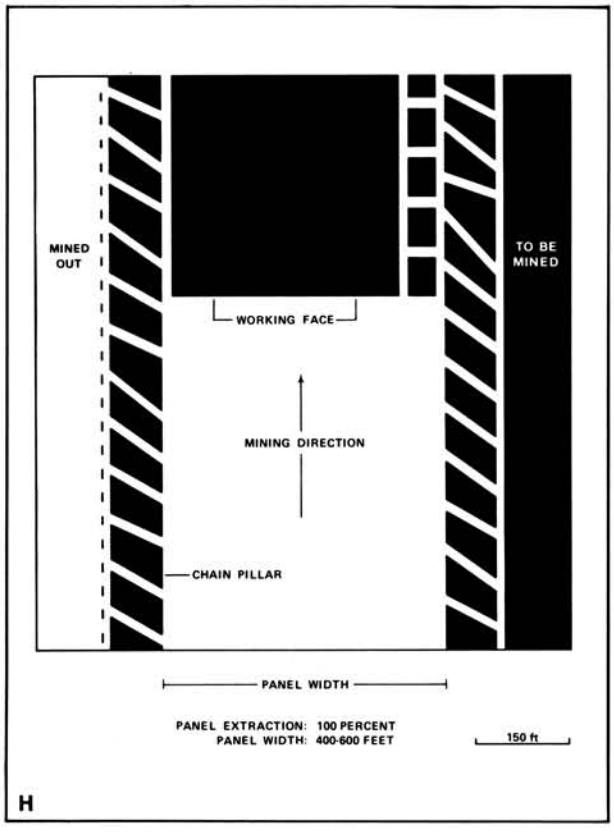


Figure 1 *(cont.)* Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall

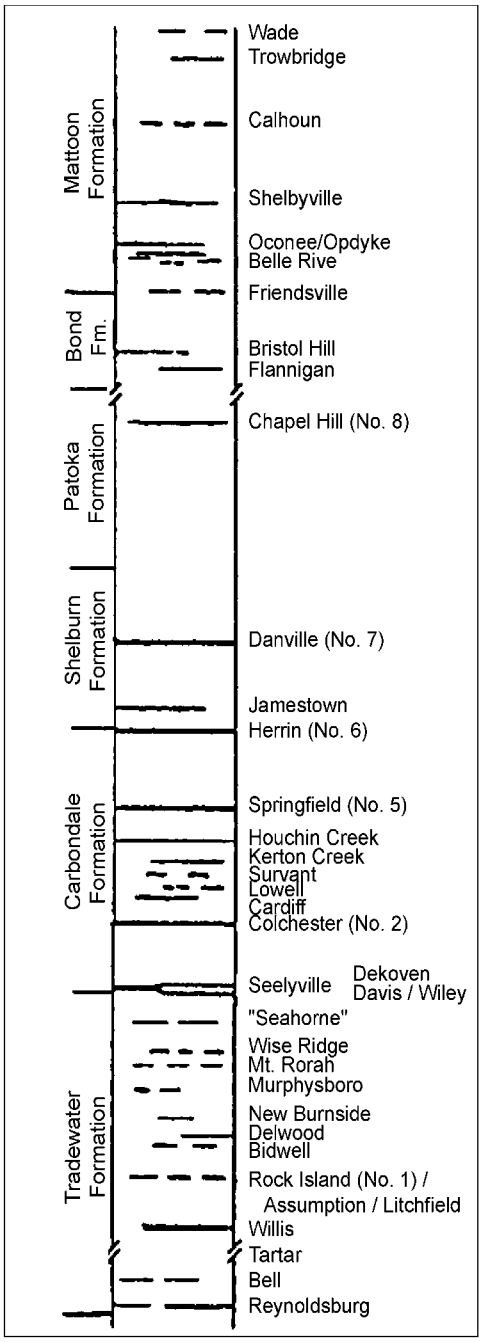


Figure 2 Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

INTERPRETING A MINE SUMMARY SHEET

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

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

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

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

SHAFT, SLOPE, DRIFT OR TIPPLE LOCATIONS

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

GEOLOGY

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

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

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

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

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

PRODUCTION HISTORY

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

SOURCE OF DATA

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

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

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

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

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

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

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

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

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

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

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

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

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A Coal Field Collection, 1993, Published by Will/Grundy Counties (IL) Genealogical Society, Wilmington, IL.

A Journey into the Past, Essex, Illinois 1885-1985, 1985, Centennial Book Committee, 52p.

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.

Essex, Illinois, A History, 1977, Compiled by Pearl Evans, Roy Spencer and Earl Charter, Kankakee County Bicentennial.

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.

Worthen, A. H, H. M. Bannister, F. H. Bradley, & 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 ESSEX QUADRANGLE

MINE SUMMARY SHEETS
A summary sheet on the geology and production history of each mine in the Essex 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 402
Wilmington Coal Mining Corporation, Wilmington No. 2 Mine

Type: Surface Total mined-out acreage shown: 534 Production indicates approximately 250 acres were mined after the map date, but some of the area mined 1950-1958 may be included in the Northern Mine (mine index 834) outline. Some of the mined area for this production may also be included with the Wilmington Mine (mine index 3915).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	Will	32N 9E	17	NW SE NW
Pit	Will	32N 9E	17	SE NW
Pit	Will	32N 9E	28, 33	

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Colchester	55-75			3.0-3.3	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Coal Mining Corporation	Wilmington No. 2	1940-1949	1,894,425
Wilmington Coal Mining Corporation	Wilmington No. 2	1950-1958	1,221,734 *
			3,116,159

* Production after map date

Last reported production: April 1958

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352423	1944	1:3600	1:6952	Not final
Company, 4103.W51 i5.1-2	1-1-1950	1:31680	1:31680	Not final **
USGS topographic map	PR 1973	1:24000	1:24000	Secondary source

** This map is final for sections 28 and 33, T32N-R9E.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, mining method.
Directory of Illinois Coal Mines (Will County) - Mine names, mine index, ownership, years of operation.
Mine notes (Will County) - Mine type, tipple location, seam, thickness.
Microfilm, document 352423, reel 03139, frame 96 - Mine outline (southern ¼ of pit in 33-T32N-R9E).
Company map, ISGS map library, 4103.W51 i5.1-2 - Mine outline (16, 28 & 33-T32N-R9E).
USGS 7.5-minute topographic map, Wilmington Quadrangle, 1954, PR 1973 - Mine outline (17-T32N-R9E).

Mine Index 652
Grand Prairie Mining Company, Grand Prairie Mine

Type: Underground Total mined-out acreage shown: 2, with an additional 8 acres of general area of mining Production indicates approximately 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Grundy	31N 8E	25	NE NW NE
Air/escape shaft	Grundy	31N 8E	25	SE NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Colchester	100			3.5	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Clark City Coal Company	Clark City	1935-1937 *	4,730
J. L. Savage	Savage	1937-1937	1,466
Clark City - Wilmington Coal Company	Clark City No. 1	1938-1939	1,390
Clark City - Wilmington Coal Company	Clark City No. 1	1939-1939	486 **
Clark City Coal Company	Clark City	1939-1939	114 **
Grand Prairie Mining Company	Grand Prairie	1939-1940	2,635 **
Morgan & Savage	Morgan & Savage	1941-1941	1,602 **
Grand Prairie Mining Company	Grand Prairie	1942-1942	70 **
			12,493

* The mine notes indicate the shaft was constructed in the 1880s. There may be production before 1935 and the mine may be larger than the reported production would indicate.
** Production after map date.

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351477	2-14-1939	1:1200	1:2400	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.
Directory of Illinois Coal Mines (Will County) - Mine names, mine index, ownership, years of operation.
ENR Document 85/01 - Mining method.
Mine notes (Grundy County) - Mine type, tipple location, seam, depth, thickness, geologic problems.
Microfilm map, document 351477, reel 03136, frame 223 - Shaft locations, mine outline, mining method.

Mine Index 834
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

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
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 petrifactions 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	12,885,835
			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, tipple 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 - Tipple location.
USGS 7.5-minute topographic map, Wilmington Quadrangle, 1993 - Mine outline.
Coal Section files, 1-27-30A - Tipple 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 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) Min	Max	Avg	Mining Method
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	145,768
			293,705

* Production and years of operation prior to July 1881 are unknown. According to an article in the Chicago Tribune, 1881, Baird & Hickox operated this mine around the time or the article.

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.
“Another Visit to the Coal Mines”, *Chicago Tribune*, 1881, *in* A Coal Field Collection - Mine ownership.

Mine Index 2531
Taylor Williams Coal Company, Clark City Mine

Type: Underground Total mined-out acreage shown: 160 (general area of mining) Production indicates approximately 72 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft *	Kankakee	31N 9E	19	SW NE NW

* The shaft was 6 feet by 14½ feet, which was divided into two 6-foot compartments. The remaining 2½ feet were used as an air shaft.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Colchester	74-95			2.87-3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Kankakee Coal Mining Company	Clark City **	1882-1884	30,500
Taylor Williams Coal Company	Clark City	1884-1889	311,853
			342,353

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

Last reported production: 1889

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Atlas	1883	1:36206	1:36206	Secondary source
Coal Section files, 5-e-16	Undated	1:12000	1:12000	Secondary source

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 (Kankakee County) - Mine names, mine index, ownership, years of operation.
Atlas of Kankakee County, published by J. H. Beers & Co., Chicago, Illinois, 1883, 170 pages - Shaft location.
Coal Section files, 5-e-16, map of Northern Mine (mine index 834) - Mine outline.
"Another Visit to the Coal Mines", 1881, *Chicago Tribune*, in A Coal Field Collection - Mine name, shaft description, depth.

Mine Index 2532
William Treasure, Treasure Mine

Type: Underground Total mined-out acreage shown: None Production indicates approximately 4 acres were mined. This mine was later stripped out by Northern Mine (mine index 834) and is not shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Kankakee	31N 9E	8	NW SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Colchester	63-67			2.67-2.83	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Thomas Treasure	Treasure	1889-1894	8,390
Barker & Runcei	Barker & Runcei	1894-1895	3,000
William Treasure	Treasure	1895-1900	7,522
			18,912

Last reported production: 1900

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103 i5.1-19	7-1-1950	1:4800	1:4800	Secondary source
Ridings (Jim)	2003	(text only)	–	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 (Kankakee County) - Mine names, mine index, ownership, years of operation.
ISGS map library, 4103 i5.1-19, map of Northern Mine (mine index 834) - Shaft location.
Ridings (Jim), *County West, A Sesquicentennial History of Kankakee County West*, 2003 - General mine location.

Mine Index 2533
Clark City & Wilmington Coal Company, A Mine

Type: Underground Total mined-out acreage shown: 74 (general area of mining) Production indicates approximately 225 acres mined in the Houchin Creek Coal and 100 acres mined in the Colchester Coal. The general area of mining shown on the accompanying map is probably a property outline, but is not large enough to represent the area mined. The additional mining was most likely west and northwest of the area shown.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Kankakee	31N 9E	30	NE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Houchin Creek *	108			4.67-5.0	RP
Colchester *	80-130			2.67-3.0	LW

* The Houchin Creek was listed in the Coal Report as the Danville Coal, but the Danville Coal crops out far south of Kankakee County and is eroded at this location. The surface mines in the area indicate that the correct seam is the Houchin Creek. The upper seam was mined 1893-1901 and 1904-1909, and the Colchester Coal was mined 1899-1904.

Geologic Problems Reported: The Houchin Creek Coal was said to be prone to spontaneous combustion, and portions of the old works were sealed off because of smouldering fires. The interval between the seams was small, and with roof falls and other breaks in the roof rock of the lower seam, the gas was able to migrate throughout both seams of the mine. When the mine re-opened the next fiscal year, mining was restricted to the Colchester Coal, and new reserves west of the shaft were opened. The roof over the Houchin Creek Coal was black shale in some places and gray shale in other locations, and large coal balls were numerous in the shale over the coal. The Houchin Creek Coal thickness varied a great deal through the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Gardner Wilmington Coal Company	Gardner Wilmington No. 2 **	1889-1893	327,036
Gardner Wilmington Coal Company	Gardner Wilmington No. 1 **	1893-1895 ***	78,171
Gardner & Wilmington Coal Company	B **	1893-1904 ***	907,217
Consolidated Coal & Iron Company	B	1904-1907	66,947
Clark City & Wilmington Coal Company	A	1907-1909	60,144
			1,439,515

** This mine was also known as the Oklahoma Mine.
*** These production figures were listed separately in the Coal Reports, but no evidence could be found to support the idea that these were two separate mines. They were likely the same mine.

Last reported production: 1909

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
ISGS field notes (G. H. Cady)	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness, mining methods, geologic problems.
Directory of Illinois Coal Mines (Kankakee County) - Mine names, mine index, ownership, years of operation.
Mine notes (Kankakee County) - Geologic problems.
ISGS field notes (Kankakee County) - Shaft location, geologic problems.
Coal Section files, 5-e-16, map of Northern Mine (mine index 834) - Mine outline.

Mine Index 3933
Joliet & Aurora Coal Company, Joliet & Aurora No. 1 Mine

Type: Underground Total mined-out acreage shown: 33

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Will	32N 9E	20	NW NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Colchester	81			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Joliet-Wilmington Coal Company	Joliet-Wilmington No. 1	1904-1905	6,300
Joliet-Wilmington Coal Company	Joliet-Wilmington No. 2	1905-1908	111,063
Joliet & Aurora Coal Company	Joliet & Aurora No. 1	1908-1909	20,000
			137,363

Last reported production: 1909

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Atlas	1909	1:31680	1:31680	Secondary source
Coal Section files, 5-e-16	Undated	1:12000	1:12000	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.
ENR Document 85/01 - Mining method.
Mine notes (Will County) - Mine type, shaft location, seam, depth, thickness.
Standard Atlas of Will County, Illinois, published by Geo. A. Ogle & Co., Chicago, Illinois, 1909, 163 pages - Shaft location.
Coal Section files, 5-e-16, map of Northern Mine (mine index 834) - Mine outline.

Mine Index 3935
Rixson Coal Company, Rixson Mine

Type: Underground Total mined-out acreage shown: 12

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Will	32N 9E	30	SE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Colchester	118		3.42		LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Rixson Coal Company	Rixson	1904-1906	51,133
			51,133

Last reported production: 1906

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.W51 i5.1-4	1935	1:31680	1:31680	Secondary source
Coal Section files, 5-e-16	Undated	1:12000	1:12000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.
Directory of Illinois Coal Mines (Will County) - Mine names, mine index, ownership, years of operation.
ENR Document 85/01 - Mining method.
Mine notes (Will County) - Mine type, shaft location, seam, depth, thickness.
ISGS map library, 4103.W51 i5.1-4 sheet 1, J. C. Quade field notes coal company holding map - Shaft location.
Coal Section files, 5-e-16, map of Northern Mine (mine index 834) - Mine outline.

Mine Index 3936
Wilmington Coal Mining & Manufacturing Company, Wilmington No. 6 Mine

Type: Underground Total mined-out acreage shown: 191

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Will	32N 9E	31	NE NW SW
Air shaft	Will	32N 9E	31	NE SW NW
Air shaft	Will	32N 9E	31	NE NW SW
Escape shaft	Will	32N 9E	31	NW NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Colchester	90-118			3.5	LW *

* The southernmost portion of this mine, near the shaft, is RP mining.

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Coal Mining & Mfg. Company **	Wilmington No. 6	1904-1919	1,061,482
			1,061,482

** The mine notes indicate this company was also known as the Wilmington Carbon Coal Company.

Last reported production: October 1919

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353038	11-15-1918	1:2400	1:3641	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, mining method.
Directory of Illinois Coal Mines (Will County) - Mine names, mine index, ownership, years of operation.
ENR Document 85/01 - Mining method.
Mine notes (Will County) - Mine type, shaft location, depth, thickness.
Microfilm map, document 353038, reel 03141, frame 221 - Shaft locations, mine outline, mining method.

Mine Index 4583
Essex Coal Company, Essex Mine

Type: Underground Total mined-out acreage shown: None Production indicates less than 1 acre was mined. This mine was later stripped out by Northern Mine (mine index 834) and is not shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Kankakee	31N 9E	5	

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Essex Coal Company *	Essex	1930-1930	800
			800

* Operated by Angelo Passini and William Dunn

Last reported production: 1930

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Ridings (Jim)	2003	(text only)	–	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, township-range.
Directory of Illinois Coal Mines (Kankakee County) - Mine names, mine index, ownership, years of operation.
Ridings (Jim), *County West, A Sesquicentennial History of Kankakee County West*, 2003 - General mine location.

Mine Index 5956
Chicago, Wilmington & Vermilion Coal Company, M Mine

Type: Underground Total mined-out acreage shown: 16 Production indicates approximately 53 acres were mined after the map date. Production prior to the map date indicates only 3 acres had been mined. This mine may have produced coal earlier, shipping to and reporting production at a nearby mine.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Will	32N 9E	19	SW NE SW
Air shaft	Will	32N 9E	19	SW NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Colchester	95			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Chicago, Wilmington & Vermilion Coal Co.	M	1888-1888	15,744
Chicago, Wilmington & Vermilion Coal Co.	M	1888-1891	262,101 *
			277,845

* Production after map date

Last reported production: 1891

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	10-1888	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, depth, thickness, mining method.
Directory of Illinois Coal Mines (Will County) - Mine names, mine index, ownership, years of operation.
ENR Document 85/01 - Mining method.
Mine notes (Will County) - Mine location, seam.
Company map, Coal Section files, 1-32-17, traced From original courtesy of Carbon Hill School Museum - Shaft locations, mine outline, mining method.

Mine Index 5970
James Kerwin & Company, Kerwin Mine

Type: Underground Total mined-out acreage shown: 14 Production indicates approximately 4 acres were mined. This mine was later partially stripped out by Northern Mine (mine index 834).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Kankakee	31N 9E *	18	NW NE NE

* The location is derived from the mine address of Tracy listed in the Coal Reports. Tracy was a location on the railroad track, approximately 850 FNL, 2640 FWL, 18-T31N-R9E. Other operators may have also mined at this location.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Colchester	73			3.0	LW

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
James Kerwin & Company	Kerwin	1885-1887 **	20,205
			20,205

** The 1888 Coal Report contained a note that the mine had been bought by Taylor Williams, but the mine did not re-open.

Last reported production: 1887

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (G. H. Cady)	Undated	1:62500	1:62500	Secondary source
Coal Section files, 5-e-16	Undated	1:12000	1:12000	Secondary source

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 (Kankakee County) - Mine names, mine index, ownership, years of operation.
ISGS field notes (Kankakee County) - Mine location.
Coal Section files, 5-e-16, map of Northern Mine (mine index 834) - Mine outline.

Mine Index 5976
Wilmington Coal Company, Clark City Mine

Type: Underground Total mined-out acreage shown: None

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Mine	Kankakee	31N 9E	19	SW NE NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilmington Coal Company *	Clark City		

* Production and years of operation unknown. No mine was listed under this name in the Coal Reports.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (G. H. Cady)	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Kankakee County) - Mine names, mine index, ownership, years of operation.
ISGS field notes (Kankakee County) - Mine type, mine location.

Mine Index 5978
Central Illinois Coal Company, Central Illinois No. 1 & No. 2 Mines

Type: Underground Total mined-out acreage shown: 26

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Kankakee	31N 9E	18	SE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Colchester	60-95			2.875-3.0	LW

Geologic Problems Reported: The roof came down in unused roadways and blocked ventilation.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Central Illinois Coal Company	Central Illinois No. 1 & No. 2 *	1882-1885 **	100,000 **
			100,000

* This mine is also known as the Tracy Mine and the Kewen Mine.
** Production and years of operation before 1882 are unknown. The 1883 Coal Report indicated 25 acres had been mined.

Last reported production: 1885

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS mine notes	Undated	(text only)	1:24000 ***	Secondary source
Coal Section files, 5-e-16	Undated	1:12000	1:12000	Secondary source

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness, mining method, geologic problems.
Directory of Illinois Coal Mines (Kankakee County) - Mine names, mine index, ownership, years of operation.
Mine notes (Kankakee County) - Mine type, shaft location.
Coal Section files, 5-e-16, map of Northern Mine (mine index 834) - Mine outline.

OTHER MINES SHOWN ON ESSEX QUADRANGLE

Mine Index 3196 NE cor 25-T31N-R8E, 3 feet thick source: Worthen et al., 1870
Mine Index 4198 NE SE SE 24-T31N-R8E source: Atlas of Grundy County, 1874
Mine Index 4570 * NW NW SW 8-T31N-R9E, longwall source: Atlas of Kankakee County, 1883; Coal Section files, 5-e-16, map of Northern Mine (mine index 834)
Mine Index 4572 * NW SE NE 19-T31N-R9E, 2 shafts source: Atlas of Kankakee County, 1883
Mine Index 4582, Gregson Mine * SW SW NE 8-T31N-R9E, shaft source: ISGS map library, 4103 i5.1-19, map of Northern Mine (mine index 834); Atlas of Kankakee County, 1883
Mine Index 4590 NE SW NW 30-T32N-R9E source: Federal Land Bank Report
Mine Index 5517 SW NE NE 25-T32N-R8E, longwall source: Standard Atlas of Grundy County, 1909; Federal Land Bank Report
Mine Index 5975 NE SW SW 18-T31N-R9E source: ISGS field notes (G. H. Cady)
Mine Index 5977 NW NW SE 18-T31N-R9E, surface, 1950-1956 source: USGS topographic map, Essex Quadrangle, 1973, photorevised 1980

* Not shown on accompanying map because of later surface mining.

MINES WHOSE LOCATIONS ARE NOT KNOWN, ESSEX 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 Essex 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 449,460 (all underground), which would represent approximately 77 to 114 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

BRAIDWOOD

Wilmington Coal Company, 1881-1883, shaft, Colchester, 57, 3.0 5,400 tons
The mine was filled with water and abandoned. Production prior to the flooding was not reported. (This is the same reason that the Diamond Mine flooded, with heavy rains melting snow and covering the flat-lying ground with water. Mines that tended to have water seep in were badly affected.)

Albright Wilmington Coal Company, A Shaft, 1882-1887 135,563 tons
shaft, Colchester, 40-53, 3.0, LW
The 1884 Coal Report stated that the old shaft was used as an air / escapement shaft.

Wilmington & Springfield Coal Company, 1881-1883 100,000 tons
Albright Wilmington Coal Company, B Shaft, 1883-1884 27,000 tons
shaft, Colchester, 65-70, 3.0, LW 127,000 tons
Production and years of operation before July 1881 are unknown. The 1882 Coal Report indicated 100 acres had been mined. The mine had no escapement shaft or fan for ventilation when Albright Wilmington bought it. Improvements were made, but the mine was abandoned the next year.

Young & Wilson, Town Mine, 1883-1885, shaft, Colchester, 50-60, 3.0, LW 3,971 tons
Ferguson & Wood, 1885-1886 1,632 tons
Young & Wilson, 1886-1888 3,169 tons
Stewart (John K.), 1888-1890 4,795 tons
13,567 tons

Miners Coal Company, 1887-1891, shaft, Colchester, 48, 2.5, LW 8,333 tons

Ballantine & Fleming, 1891-1892, shaft, Colchester, 57, 3.67, LW	500 tons
Chicago, Wilmington & Vermilion Coal Company, Q Mine, 1894-1896 shaft, Colchester, 80-87, 3.0, LW	115,992 tons

The Coal Reports indicated that the mine was abandoned because of the expense of timbering and pumping water out of the mine. This implies poor roof conditions.

Crichton (Robert) & Company, 1896-1898, shaft, Colchester, 50, 2.5, LW	2,156 tons
O'Connor (John) & Company, No. 2 Mine, 1901-1908	28,300 tons
McManus Coal Company, 1908-1909	1,765 tons
McManus & McQuaney, 1909-1910	5,732 tons
shaft, Colchester, 51, 3.0, LW	35,797 tons
Williamson & Holman, 1904-1905, shaft, Colchester, 40-42, 3.0, LW	624 tons
Little-Wilmington Coal Company, 1905-1907	4,528 tons
	5,152 tons

INDEX OF MINES IN THE ESSEX QUADRANGLE

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