

Tebrugge Brothers Coal Co.
Tebrugge Mine
 2951, 1923-1943

New Hilltop Mine
 6389, 1914-1927

Chicago & Kans
 4139, 1893-1901

Coal Mines in Illinois Tallula Quadrangle

Cass, Menard & Sangamon Counties, Illinois

Springfield Coals

This map accompanies the Coal Mines Directory for the Tallula Quadrangle. Consult the directory for a complete explanation of the information shown on this map.

Mining Method

- Room & Pillar (RP)
- Room & Pillar Basic (RPB)
- Modified Room & Pillar (MRP)
- Room & Pillar Panel (RPP)
- Blind Room & Pillar (BRP)
- Checkerboard Room & Pillar (CRP)
- High Extraction Retreat (HER)
- Longwall (LW)
- Underground, Method Unknown
- Strip Mine
- Auger Mine
- General Area of Mining

Other Areas Depicted

- Non-Coal Mines

Source of Mine Outline

- Final Mine Map
- Not Final Mine Map
- Undated Mine Map
- Incomplete Mine Map
- Secondary Source Map

Tipple, Shaft, Slope, Drift Locations

- Strip Mine Tipple - Active
- Strip Mine Tipple - Abandoned
- Mine Shaft - Active
- Mine Shaft - Abandoned
- Mine Slope - Active
- Mine Slope - Abandoned
- Mine Drift - Active
- Mine Drift - Abandoned
- Air Shaft
- Uncertain Location
- Uncertain Type of Opening

Other Points Depicted

- Non-Coal Mines

Mine Annotation (space permitting)

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

Disclaimer

Please check the Coal Section at the Illinois State Geological Survey's web site at <http://www.isgs.illinois.edu> for the most up-to-date version of these products.

Note that each quadrangle scale mined-out area map requires the use of the associated text directory for full explanation of map features and mine attributes. Also note that some quadrangles have multiple seams of mining and therefore more than one map may be available for a particular quadrangle. Please take care to check for multiple maps, as extensive mining may exist in the other seams.

The maps and digital files used for these studies were compiled from data obtained from a variety of public and private sources and have varying degrees of completeness and accuracy. This compilation map presents reasonable interpretation of the geology of the area and is based on available data. Locations of some mine 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. These data are not intended for use in site-specific screening or decision-making. Use of these documents does not eliminate the need for detailed studies to fully understand the geology of a specific site. The Illinois State Geological Survey, Prairie Research Institute, or the University of Illinois make no guarantee, expressed or implied, regarding the correctness of the interpretations presented in this data set and accept no liability for the consequences of decisions made by others on the basis of the information presented here.

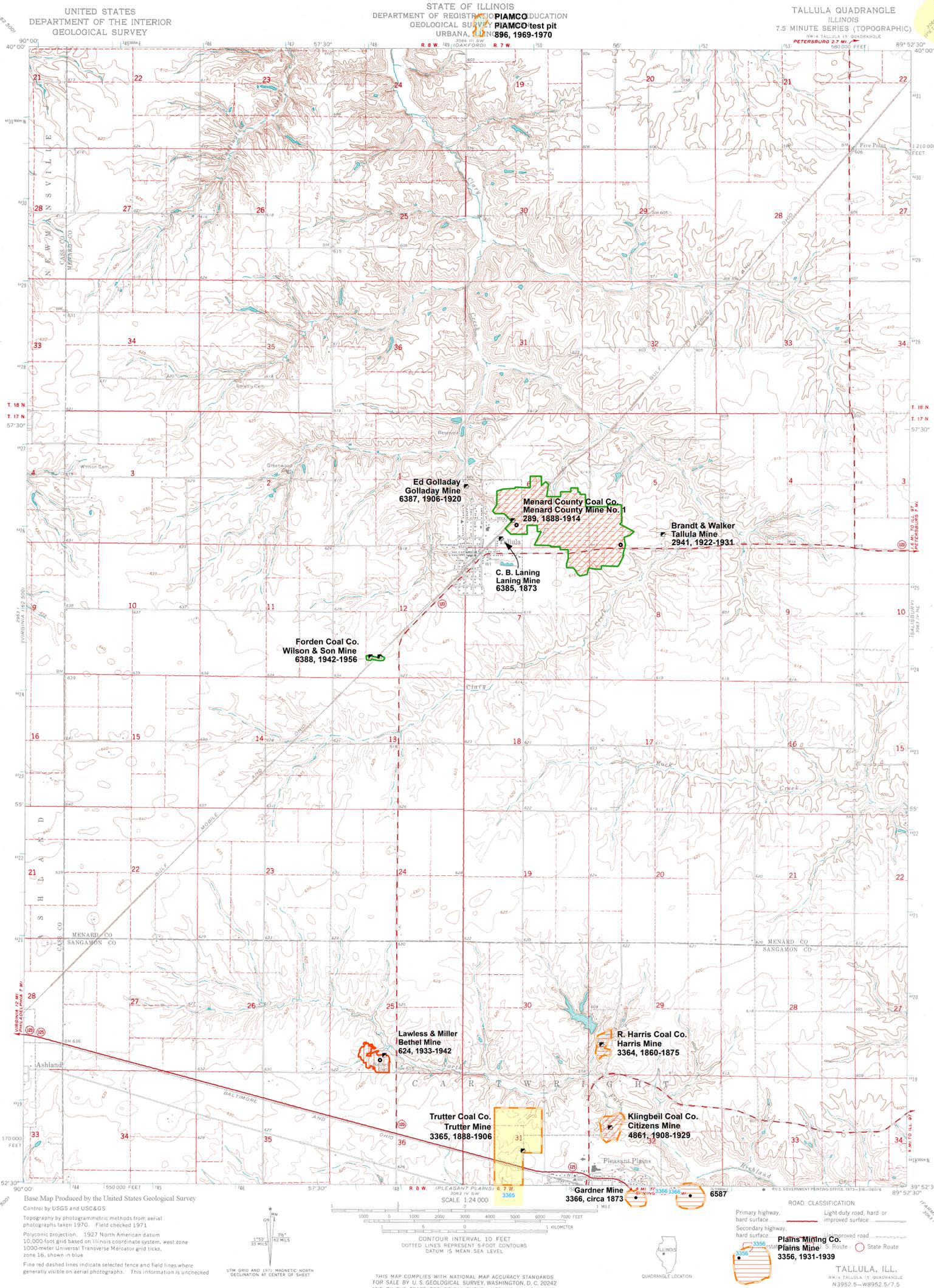
These maps were designed for use at 1:24,000. Enlarging the map may reduce accuracy, as the original scale of the source maps used to compile the outlines shown varies from 1:400 to 1:150,000, and some mine locations are known only from text descriptions. See the accompanying mine directory for the original scale of the source map used for a specific mine to check accuracy of a given portion of the map. Areas with no mines shown may still be undermined; see the unlocated mines list at the back of each mine directory.

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



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Mine Outlines Compiled by
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 June 2014; Revised 2005, 2015



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY
 STATE OF ILLINOIS DEPARTMENT OF REGISTRATION EDUCATION GEOLOGICAL SURVEY
 TALLULA QUADRANGLE ILLINOIS 7.5 MINUTE SERIES (TOPOGRAPHIC)
 PETERSBURG 27 W. 7.5
 CHICAGO & KANSAS
 4139, 1893-1901
 Ed Golladay Golladay Mine 6387, 1906-1920
 Menard County Coal Co. Menard County Mine No. 1 289, 1888-1914
 Brandt & Walker Tallula Mine 2941, 1922-1931
 C. B. Laning Laning Mine 6385, 1873
 Forden Coal Co. Wilson & Son Mine 6388, 1942-1956
 Lawless & Miller Bethel Mine 624, 1933-1942
 R. Harris Coal Co. Harris Mine 3364, 1860-1875
 Trutter Coal Co. Trutter Mine 3365, 1888-1906
 Klingbeil Coal Co. Citizens Mine 4861, 1908-1929
 Gardner Mine 3366, circa 1873
 Plains Mining Co. Plains Mine 3356, 1931-1939
 New Hilltop Mine 6389, 1914-1927
 Chicago & Kans 4139, 1893-1901
 Tebrugge Brothers Coal Co. Tebrugge Mine 2951, 1923-1943

Base Map Produced by the United States Geological Survey
 Control by USGS and USC&GS
 Topography by photogrammetric methods from aerial photographs taken 1970. Field checked 1971.
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on Illinois coordinate system, west zone
 1000-meter Universal Transverse Mercator grid ticks, zone 16, shown in blue
 Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

UTM GRID AND 1911 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 20242 AND BY THE STATE GEOLOGICAL SURVEY, URBANA, ILLINOIS 61801

ROAD CLASSIFICATION
 Primary highway, hard surface
 Secondary highway, hard surface
 Light-duty road, hard or improved surface
 Unimproved road
 State Route
 TALLULA, ILL.
 NW/4 TALLULA 15' QUADRANGLE
 N 3952.5 - W 8952.5/7.5



Location



DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES TALLULA QUADRANGLE CASS, MENARD & SANGAMON COUNTIES

C. P. Korose & M. H. Bargh



Department of Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY
1998
REVISED 2005, 2015

**DIRECTORY OF COAL MINES IN ILLINOIS
7.5-MINUTE QUADRANGLE SERIES
TALLULA QUADRANGLE
CASS, MENARD & SANGAMON COUNTIES**

1998
REVISED 2005

ILLINOIS STATE GEOLOGICAL SURVEY
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Natural Resources Building
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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.

Printed by authority of the State of Illinois/2005

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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 TALLULA QUADRANGLE

Mining began in this quadrangle in 1860 with the opening of the R. Harris Mine. This mine was abandoned in 1875, before most (if not all) of the other mines in the area had even opened. Two larger mines, the Tallula/Menard County No. 1 Mine and the Springfield & Pleasant Plains/Trutter Mine, opened near Tallula and Pleasant Plains in the late 1880s. Several small mines followed, and most remained open through the 1920s. The last mine to remain active in the Tallula Quadrangle was the Forden Coal Company's mine, which operated from 1942 to 1956.

All mines were in the Springfield Coal, which was approximately 6 feet thick and averaged 100 to 150 feet deep. Clay dikes have been noted in the Springfield Coal in this area.

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 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.

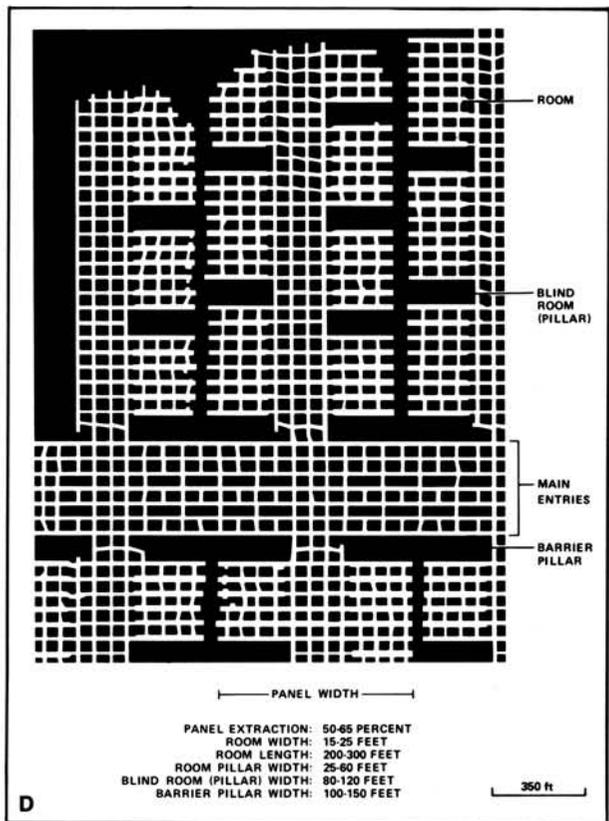
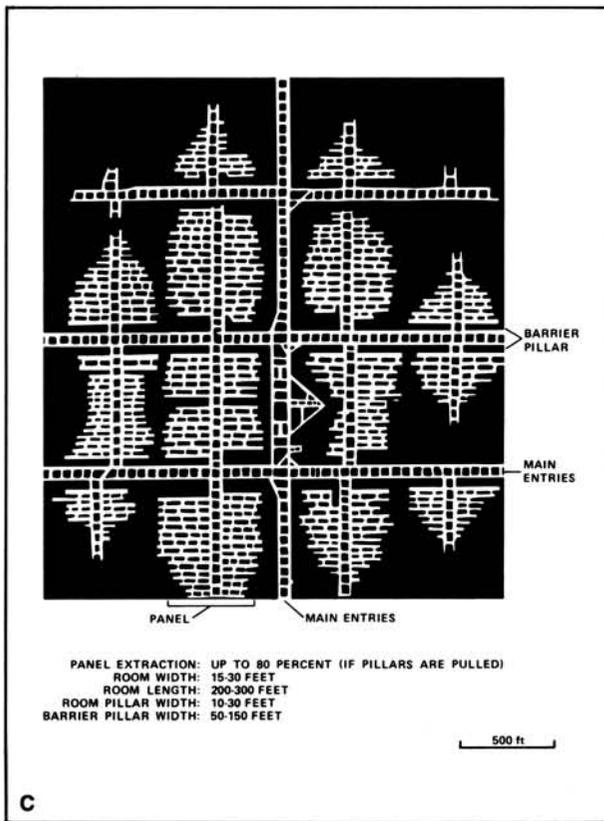
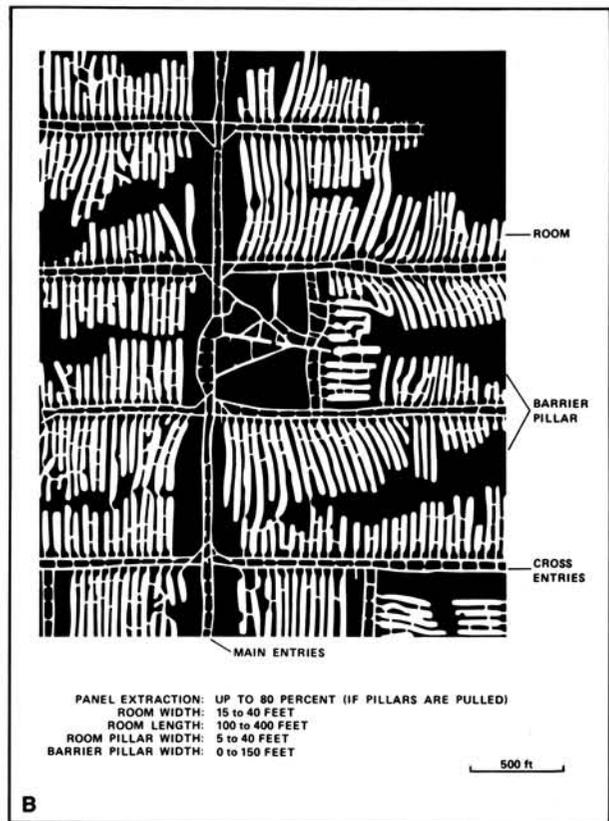
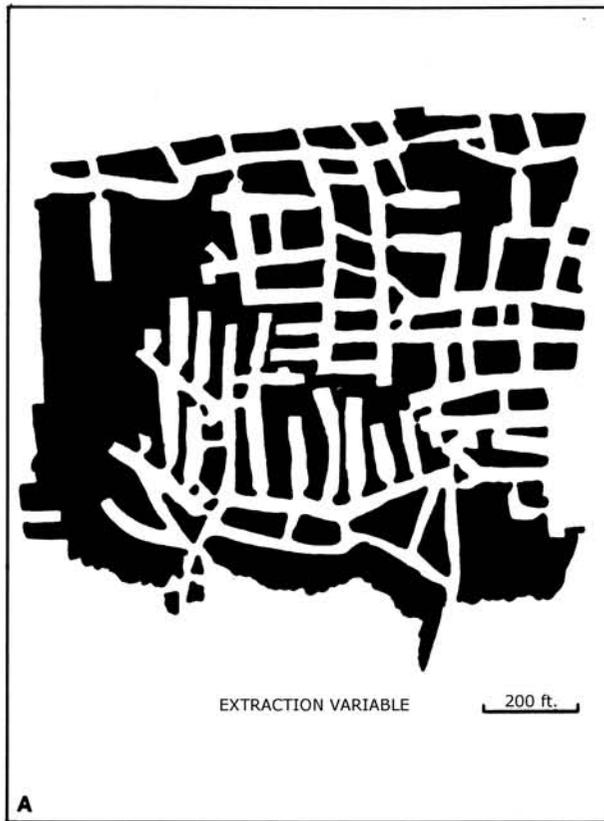


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).

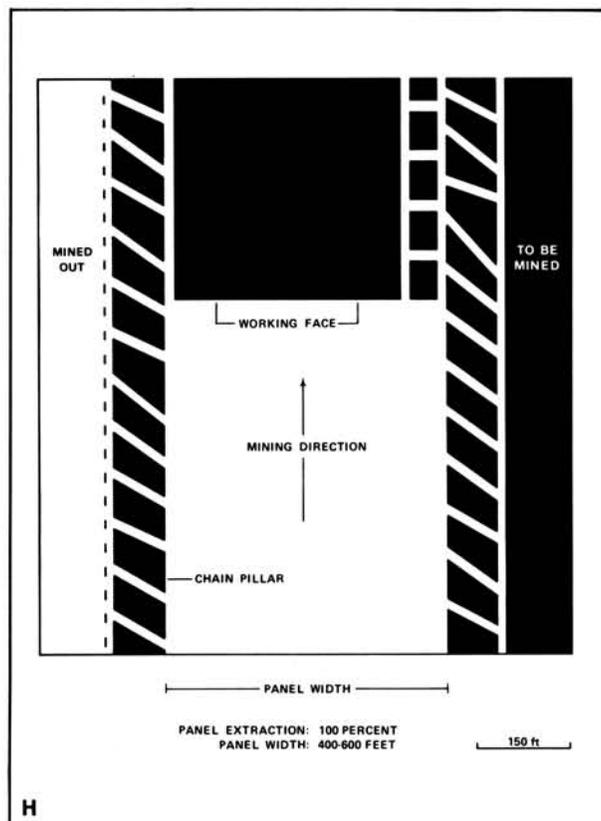
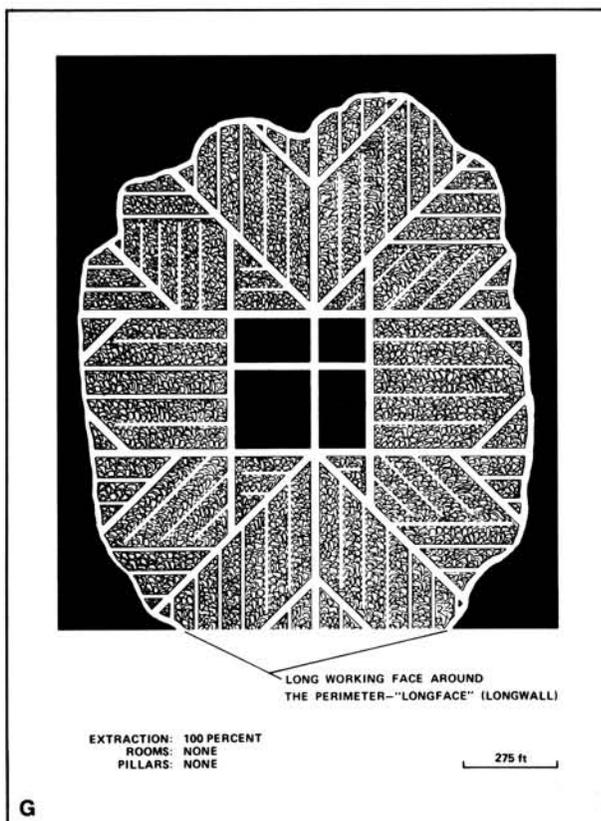
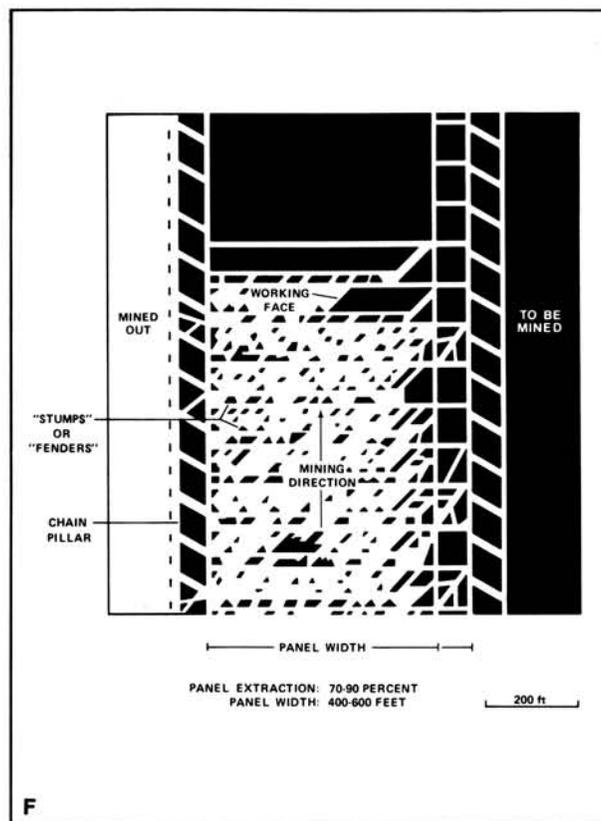
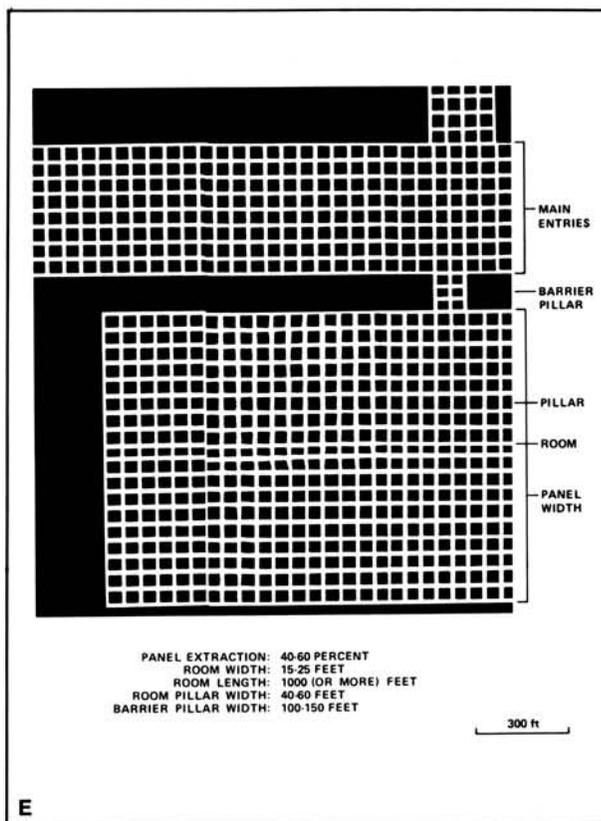


Figure 1 (cont.) Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall

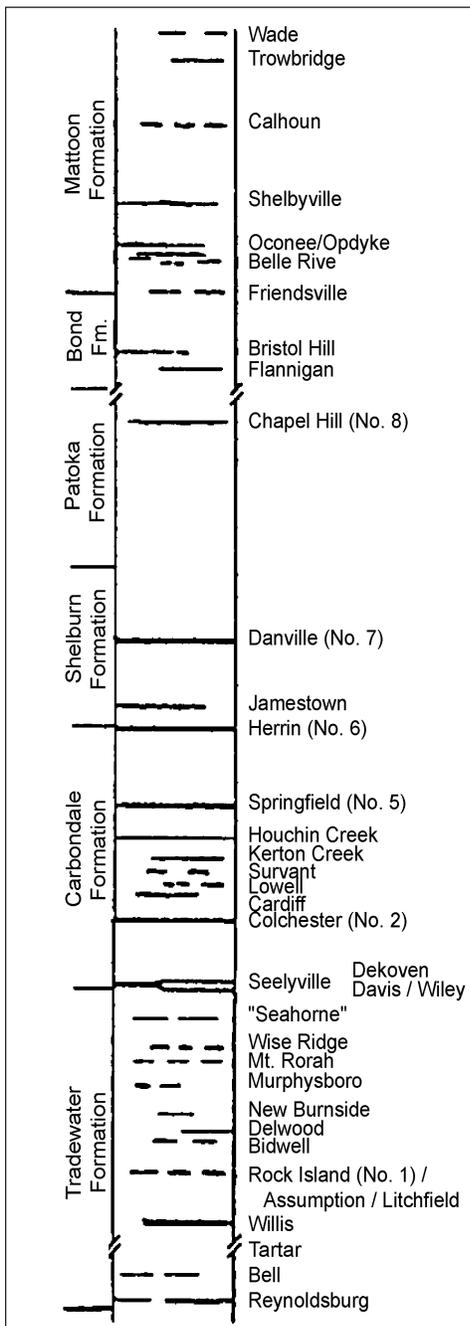


Figure 2 Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

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.

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.

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

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

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

PRODUCTION HISTORY

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

SOURCE OF DATA

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

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

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

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

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

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

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

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

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

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

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

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

REFERENCES

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

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

PART II DIRECTORY OF MINES IN THE TALLULA QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Tallula 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 289

Menard County Coal Company, Tallula No. 1 Mine

Type: Underground Total mined-out acreage shown: 253 Production indicates that 140 to 200 acres were mined. The final map and mine outline shown may include unmined areas.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	17N 7W	6	NE SE SW
Escape shaft	Menard	17N 7W	6	NE SE SW
Escape shaft	Menard	17N 7W	5	SE SE SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	179-185	5.5	6.5	6.0	MRP

Geologic Problems Reported: The mine notes indicated that many horsebacks and numerous clay veins were present. "A little gas" was also noted.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Tallula Coal Company	Tallula No. 1	1888-1912	695,354
Menard County Coal Company *	Tallula No. 1	1913-1914	<u>63,617</u>
			758,971

* Listed in 1914 as Menard County Coal & Mining Company

Last reported production: March 1914

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352225	4-1914	1:2400	1:4303	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 (Menard County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Menard County) - Mine type, shaft location, seam, depth, thickness, geologic problems.
 Microfilm map, document 352225, reel 03138, frame 283 - Shaft locations, mine outline, mining method.

Mine Index 624
Lawless & Miller, Bethel Mine

Type: Underground Total mined-out acreage shown: 19 Production indicates approximately 9 acres were mined. Large pillars were left in the mined areas, but it is also likely that much of the eastern side of the mine was not mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Sangamon	17N 8W	25	NW SE SW
Air shaft	Sangamon	17N 8W	25	SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Springfield	100-105	5.0	6.0	5.75	RPB

Geologic Problems Reported: The roof was black shale. Concretions were present in the roof; in some areas south of the shaft, they were numerous and in other areas (near and north of the shaft) the concretions were scattered and few. The coal contained pyrite as facings, vertical veins, in nodules, and in bands up to 0.5 inches thick. The floor was dark gray underclay that was more than 6 feet thick. The floor heaved quite badly when wet and after the area had been worked.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Bethel Coal Company	Bethel	1933-1939	35,920
Lawless & Miller	Bethel	1940-1942	<u>7,663</u>
			43,583

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4103.S33 i5.1-34	12-7-1941	1:1200	1:1200	Not final

Annotated Bibliography (data source, brief description of information)

- Coal Reports - Production, ownership, years of operation.
- Directory of Illinois Coal Mines (Sangamon County) - Mine names, mine index, ownership, years of operation.
- Mine notes (Sangamon County) - Mine type, seam, depth, thickness, geologic problems.
- Company map, ISGS map library, 4103.S33 i5.1-34 - Shaft locations, mine outline, mining method.

Mine Index 2941
Tallula Coal Company, Tallula Mine

Type: Underground Total mined-out acreage shown: None Production indicates less than 3 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	17N 7W	5	SW SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield					Underground

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Tallula Coal Company	Tallula	1922-1925 *	2,346
John Murrell	Tallula	1925-1925	1,100
Murrell Brothers	Tallula	1926-1927 **	582
Tallula Coal Company	Tallula	1928-1928	1,090
Xavier Heitzman	Tallula	1929-1929	830
H. C. Broundt	Tallula	1930-1930	6,705
Brandt & Walker	Tallula	1931-1931	2,177
			<u>14,830</u>

* Idle 1924

** Idle 1927

Last reported production: 1931

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	4-30-1931	(text only)	1:24000 ***	Secondary source

*** Point plotted from mine location description onto 1:24,000 USGS quadrangle and digitized.

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Menard County) - Mine type, shaft location, seam.

Mine Index 3364**R. Harris Coal Company, Harris Mine**

Type: Underground Total mined-out acreage shown: 11 The outline shown is a general area of mining only.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Sangamon	17N 7W	29	SW NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield					Unknown

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
R. Harris Coal Company	Harris	1860-1875	unknown *

* No production records available prior to 1880

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Federal Land Bank Report	2-9-1934	1:158400	1:158400	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

Federal Land Bank Report (Sangamon County) - Shaft location, mine outline.

Mine Index 3365**Trutter Coal Company, Trutter Mine**

Type: Underground Total mined-out acreage shown: 131 Production indicates that 40 to 70 acres were mined. The outline shown is a general are of mining only.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Sangamon	17N 7W	31	NW NW NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	125-136			5.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Springfield & Pleasant Plains Company	Springfield & Pleasant Plains	1888-1901	109,552
Trutter Coal Company	Trutter	1901-1906	<u>133,683</u> 243,235

Last reported production: 1906

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Federal Land Bank Report	2-9-1934	1:158400	1:158400	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method, seam, depth, thickness.
 Directory of Illinois Coal Mines (Sangamon County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Sangamon County) - Mine type, shaft location, seam, depth.
 Federal Land Bank Report (Sangamon County) - Shaft location, mine outline.

Mine Index 4861**Klingbeil Coal Company, Citizens Mine**

Type: Underground Total mined-out acreage shown: 18 The total acreage mined could not be estimated due to gaps in the reported production. Total mined acreage should be 18 to 25 acres.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (8 x 6 ft) *	Sangamon	17N 7W	32	2100 FNL, 500 FWL

* The shaft was two compartments, a 5 x 6 ft hoisting shaft and a 3 x 6 ft air shaft.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	102-130			5.0-5.75	RP

Geologic Problems Reported: The roof consisted of 2.5 feet of black shale directly above the coal, capped by 2.5 feet of limestone.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Citizens Coal Company	Citizens	1907-1908	430
Walsh, Wilkin & Fitzgerald	Citizens	1908-1909	745
John Derry	Citizens	1909-1910	5,400
Cooperative Coal Company	Citizens	1910-1911	1,276
Citizens Coal Company	Citizens	1911-1925	76,712 **
Klingbeil Coal Company	Citizens	1926-1929	15,323
			99,886

** Production not listed in 1922 for mines producing less than 10,000 tons

Last reported production: 1929

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Federal Land Bank Report	2-9-1934	1:1584000	1:158400	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Sangamon County) - Mine type, shaft location, mining method, seam, depth, thickness.

Federal Land Bank Report (Sangamon County) - Shaft location, mine outline.

Mine Index 6385**C. B. Laning, Laning Mine**

Type: Underground Total mined-out acreage shown: None

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	17N 7W	6	SW SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield					RP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Charles Greene & Deal	Greene & Deal	1873-	
C. B. Laning *	Laning		

* C. B. Laning operated a mine 1881-1882 near Petersburg. Although the location for that mine is not known, the depth was reported as 65 feet, indicating that production is near Petersburg. Laning bought the Greene & Deal Mine after it went into bankruptcy, but the years of operation are not known.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352225	4-1914	1:2400	1:4303	Secondary source

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Menard County) - Mine names, mine index, ownership, years of operation. Microfilm map, document 352225, reel 03138, frame 283, map of Menard County Coal & Mining No. 1 (mine index

289) - Shaft location.

History of Menard County, 1878, published by W. R. Brink & Co., Chicago, Illinois - Mine ownership.

Mine Index 6387
Ed Golladay, Golladay Mine

Type: Underground Total mined-out acreage shown: None Production indicates that 7 to 13 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	17N 7W	6	NW NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	104-150			5.5-6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Reding & Whitehurst	Reding & Whitehurst	1906-1907	619
Oscar Davis	Davis	1907-1909	2,270
I. N. Biggs	Biggs	1909-1913	9,332
Green & Boeker	Green & Boeker	1913-1914	3,497
Golladay Brothers	Golladay	1914-1917	13,577
Ed Golladay	Golladay	1917-1920	<u>16,258</u>
			45,553

Last reported production: 1920

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes	7-23-1959	(text only)	1:24000	Secondary source

* Point plotted onto 1:24,000 USGS quadrangle from mine location description and digitized.

Annotated Bibliography (data source, brief description of information)

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

Mine Index 6388**Forden Coal Company, Forden Mine**

Type: Underground Total mined-out acreage shown: 2 Production indicates that approximately 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Menard	17N 8W	12	830 FSL, 1880 FWL
Air shaft	Menard	17N 8W	12	830 FSL, 1500 FWL

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Springfield	147-151			6.0	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Forden Coal Company	Wilson & Son *	1942-1955 **	<u>6,101</u> 6,101

* The mine name is from the map.

** Idle 1944, 1945 and 1953

Last reported production: March 1955

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352222	2-21-1956	1:2400	1:3000	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Menard County) - Mine type, shaft locations, seam, depth, thickness.

Microfilm map, document 352222, reel 03138, frame 280 - Shaft locations, mine outline, mining method.

MINES WHOSE LOCATIONS ARE NOT KNOWN, TALLULA 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 Tallula 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. All mines are in the Springfield Coal. 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, thickness of coal in feet, and mining method. All but the Otken and Wilkinson mines undermined 2 acres or less. The Otken mine may have mined about 5 acres and the Wilkinson mine about 10 acres.

TALLULA

Otken (Fred W.), 1926-1935	21,572 tons
Wilkinson (Frank), 1881-1882, shaft, 99-186, 6.0, RP	18,098 tons
Tallula Coal Company, 1882-1883	27,000 tons
Tallula-Petersburg Coal Company, 1883-1884	<u>8,737 tons</u>
	53,835 tons

PLEASANT PLAINS

Galladay (E.), 1910-1911, shaft, 95, 5.5, RP	1,706 tons
Goetz (John), 1912-1914, shaft, 108-110, 4.5-5.5, RP	3,476 tons
Skaggs & Hoheimer, 1914-1915	<u>872 tons</u>
	4,348 tons

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