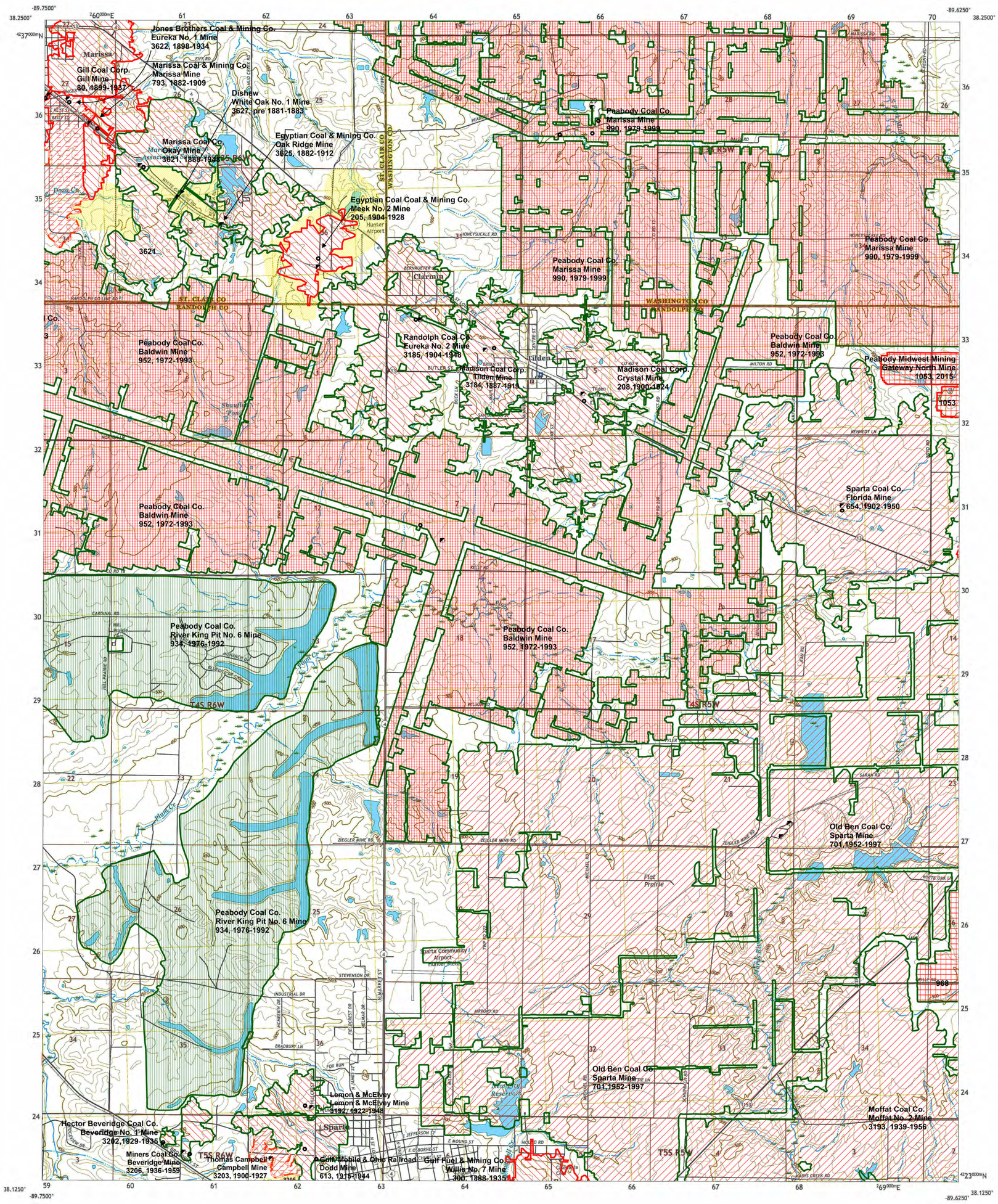
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map
US Topo

TILDEN QUADRANGLE
ILLINOIS
7.5-MINUTE SERIES



Coal Mines in Illinois
Tilden Quadrangle
Randolph, Washington & St. Clair Counties, Illinois

This map accompanies the Coal Mines Directory for the Tilden 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

Location

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 https://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.

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid:Universal Transverse Mercator, Zone 16S
This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, August 2015 - October 2015
Roads.....U.S. Census Bureau, 2017
Names.....GNIS, 1980 - 2017
Hydrography.....National Hydrography Dataset, 2002 - 2011
Contours.....National Elevation Dataset, 2008
Boundaries.....Multiple sources; see metadata file 2014 - 2016
Public Land Survey System.....BLM, 2017
Wetlands.....FWS National Wetlands Inventory 1981

UTM GRID AND 2017 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
BH
Grid Zone Designation
16S

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 MILES 1
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011. A metadata file associated with this product is draft version 0.6.18

ADJOINING QUADRANGLES
1 New Athens East
2 Saint Libory
3 Oakdale
4 Baldwin
5 Coulterville
6 Walsh
7 Steeleville
8 Percy

ROAD CLASSIFICATION
Expressway, Local Connector
Secondary Hwy, Local Road
Ramp, 4WD
Interstate Route, US Route, State Route

TILDEN, IL
2018

ILLINOIS
Illinois State Geological Survey
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Mine Outlines Compiled by
Alan R. Myers

December 3, 2010

Revised:
Alan R. Myers 01-24-2024

DIRECTORY OF COAL MINES IN ILLINOIS
7.5-MINUTE QUADRANGLE SERIES
TILDEN QUADRANGLE
RANDOLPH, WASHINGTON & ST. CLAIR COUNTIES

Alan R. Myers & C. Chenoweth

2010, Revised 2021, 2023

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This material is based upon work supported by the Illinois Mine Subsidence Insurance Fund. Any opinions, findings, and conclusions or recommendations expressed in this publication are those of the authors and do not necessarily reflect the views of the Illinois Mine Subsidence Insurance Fund.

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 TILDEN QUADRANGLE

Mining began at the Wood Mine (mine index 3190) in the southwestern corner of the Tilden Quadrangle before 1866 and ended in 1999 when the Marissa Mine (mine index 990) closed. The Herrin Coal was generally about 6 feet thick, and roof conditions were reasonably good. Most of the mines operated 20 years or more, with the Sparta Mine (mine index 701) running the longest (45 years). The coal was as deep as 200 feet, but with the advent of large equipment, surface mining took place between 1976 and 1992 at the River King Pit No. 6 Mine (mine index 934).

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.

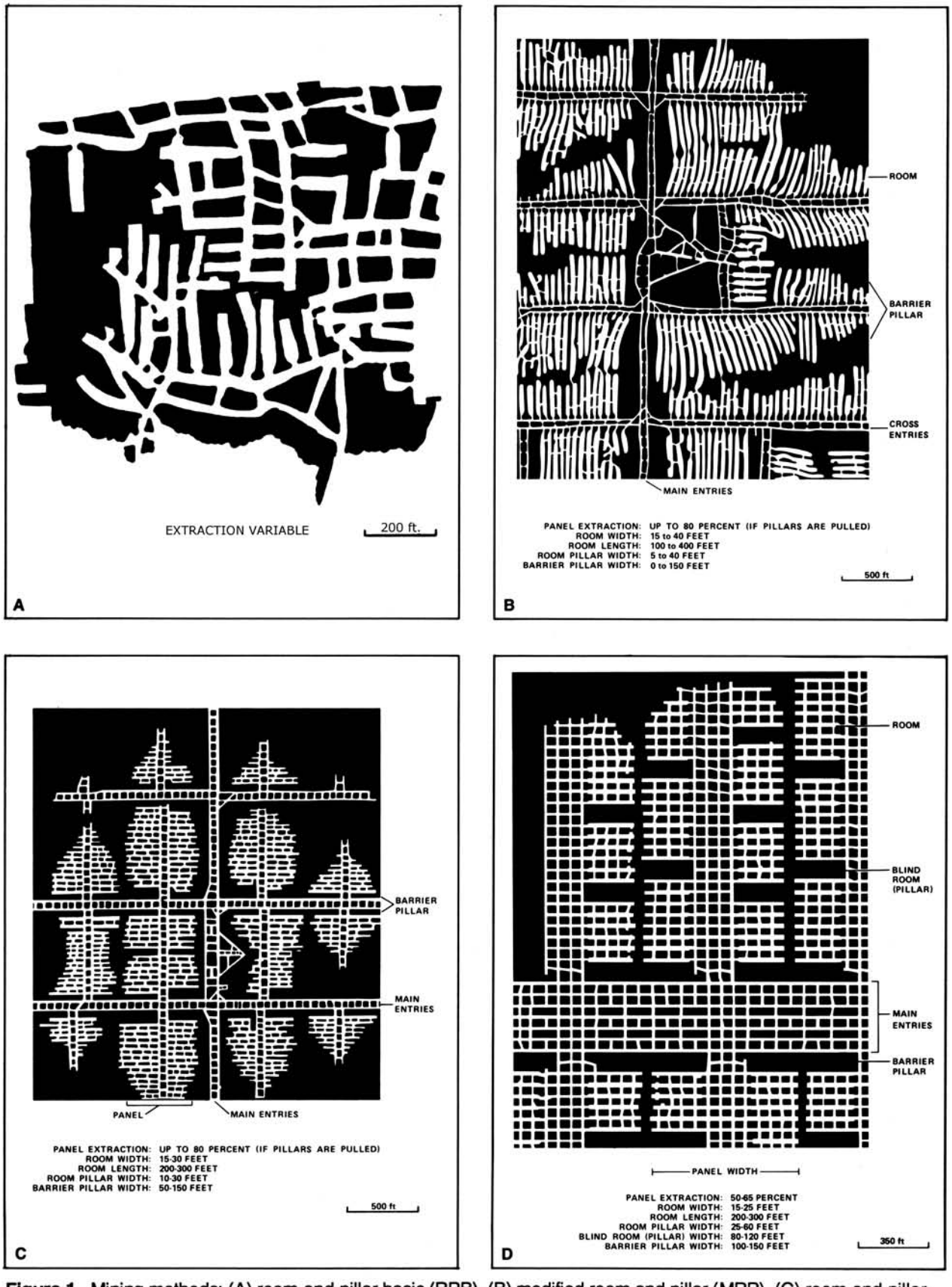
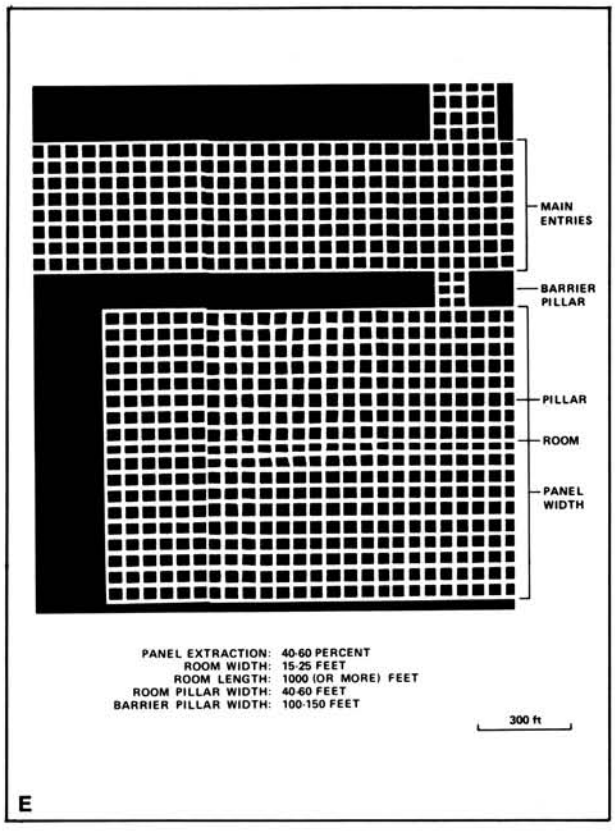
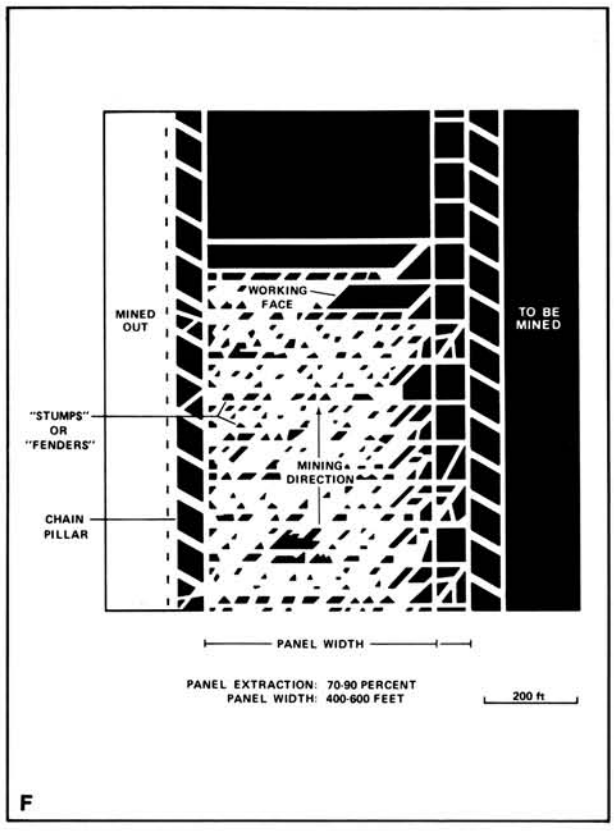
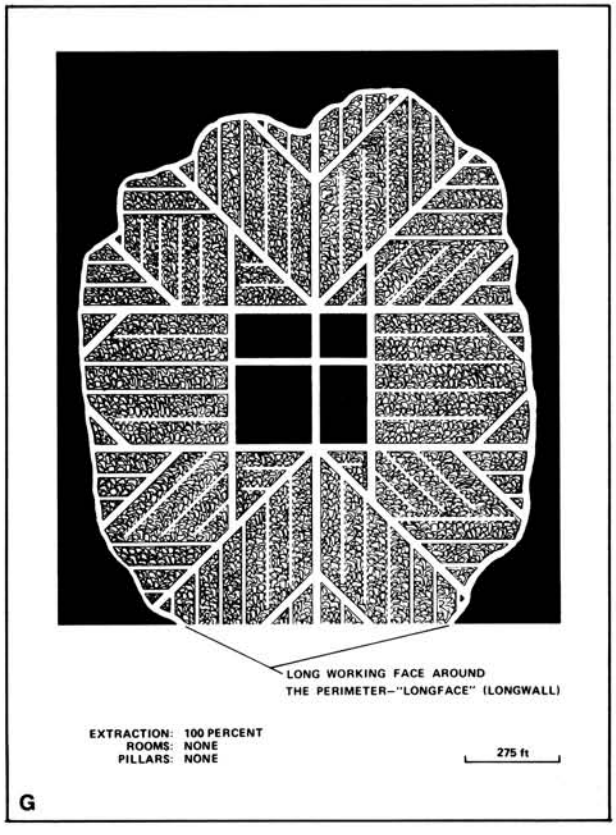


Figure 1 Mining methods: (A) room-and-pillar basic (RPB), (B) modified room and pillar (MRP), (C) room-and-pillar panel (RPP), (D) blind room and pillar (BRP).







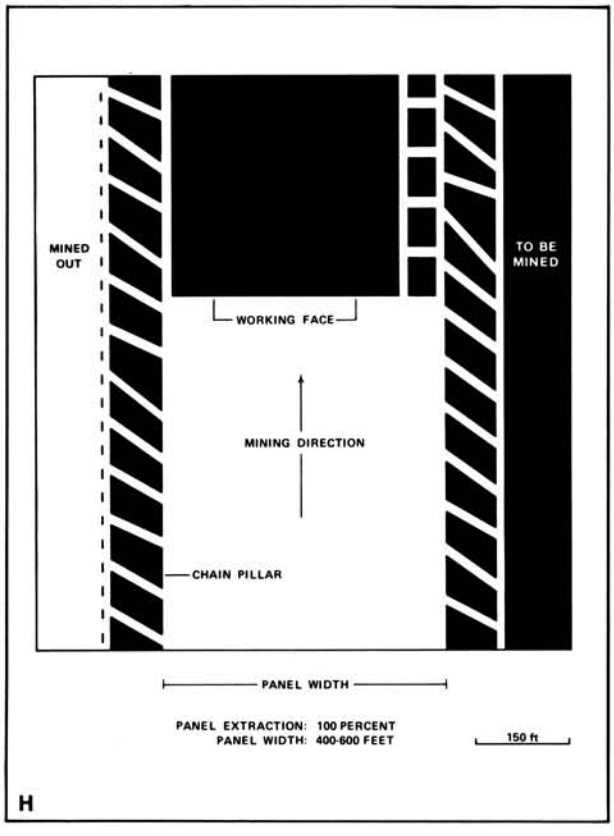


Figure 1 *(cont.)* Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall

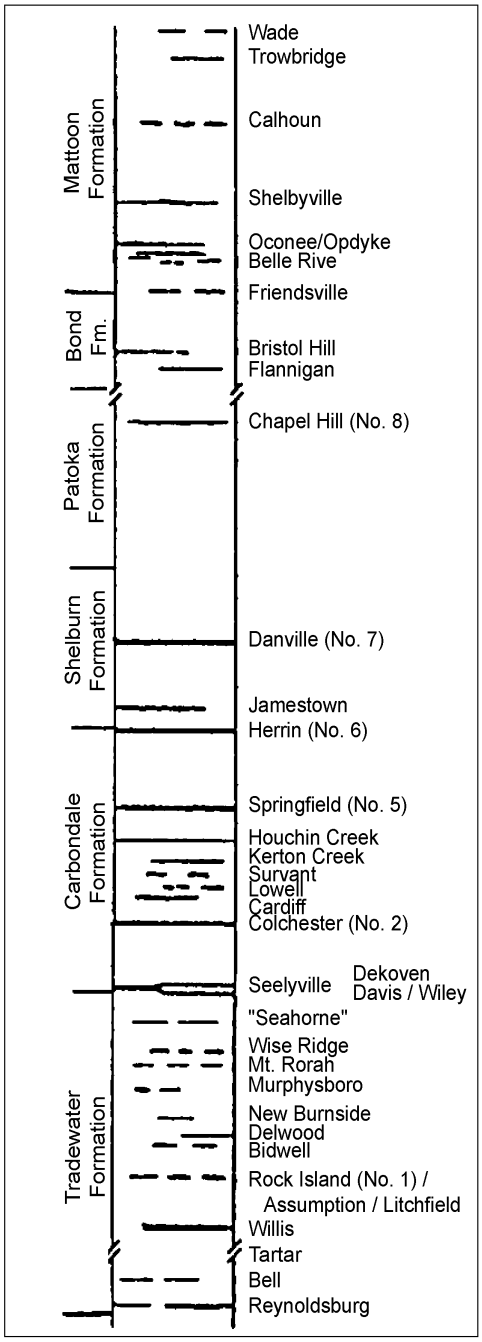


Figure 2 Generalized stratigraphic section, showing approximate vertical relations of coals in Illinois.

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.

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.

Worthen, A. H., 1866, Geology [of Illinois], Volume I, State Journal Steam Press, Springfield, Illinois, 504p.

PART II DIRECTORY OF MINES IN THE TILDEN QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Tilden 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 80
Gill Coal Corporation, Gill Mine

Type: Underground Total mined-out acreage shown: 287 Production indicates approximately 2 acres were mined after the map date. The area shown on the accompanying map is approximately 35 acres larger than expected for the reported production. The boundary between the Eureka No. 1 Mine (mine index 3622) and the Gill Mine is not clear. It is likely that area depicted on the accompanying map as Gill Mine contains areas mined by Eureka No. 1 Mine.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (6 x 12 feet)	St. Clair	3S 6W	27	SW SW NE
Air shaft	St. Clair	3S 6W	27	NE NE SW

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
Herrin	99-105	6.0	8.5	6.75	MRP

Geologic Problems Reported: Some rolls and slips were present, but the coal was never completely cut out by the rolls. The immediate roof above the coal varied. The cap rock was limestone up to 5 feet thick. Sometimes shale was present below the limestone. The shale ranged up to 15 feet thick. Draw slate was also present in some areas, and was generally less than 14 inches thick. The coal seam contained several layers with streaks of pyrite and bone coal less than 1 inch thick with thicker layers of dirty coal up to 1.5 feet thick. Bone coal and pyrite were not loaded with the coal mined. The floor was fire clay that ranged from 4 to over 6 feet thick.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Superior Coal Company *	Superior	1899-1900	None reported
Borders Coal Company *	Borders	1900-1913	853,241
Forsythe Coal Company	Forsythe	1913-1915	64,348
Dozow Valley Coal Company	Dozow Valley	1915-1916	32,060
Forsythe Coal Company	Dozow Valley	1916-1919	211,163
New Marissa Coal Company	New Marissa	1919-1922	204,003
Lyle Coal Company **	Lyle	1922-1931	460,429 ***
Gill Coal Corporation	Gill	1931-1937	171,014
Gill Coal Corporation	Gill	1937-1937	10,278 †
			2,066,536

* The name changed because a Superior Coal Company was already operating at another location along the same railroad. The ownership of Borders Coal Company and Superior Coal Company was the same.
** In 1926, the mine was leased to Wallace Coal Company.
*** Idle 1930 & 1931
† Production after map date
Last reported production: March 1937

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_392_01	3-1-1937	1:2400	1:2400	Not final

Annotated Bibliography (data source, brief description of information)
Coal Reports - Production, ownership, years of operation.
Mine notes (St. Clair County) - Mine type, shaft size & location, seam, depth, thickness, geologic problems.
State archive, IL_392_01 - Shaft locations, mine outline, mining method.

Mine Index 205
Egyptian Coal & Mining Company, Meek No. 2 Mine

Type: Underground Total mined-out acreage shown: 117 Production indicates approximately 115 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	3S 6W	36	SE NE SW
Air shaft *	St. Clair	3S 6W	36	SE NE SW

* The mine is connected underground to White Oak Mine (mine index 3625), which made another place of egress for escapement.

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
Herrin	183-210	5.0	7.0	6.5	MRP

Geologic Problems Reported: The roof was a type of shale referred to as “slate”. The roof was good and only came down with the coal in widely scattered parts of the mine. The shale ranged from 0.5 inches to 3 feet thick. Up to 12 feet of limestone was above the shale. Minor slips occurred in the shale, and these areas of slip made an unstable roof. Streaks and lenses of pyrite were present through the coal bed. The blue band consisted of 0.75 to 1 inch of shale that was about 16 inches above the floor. The blue band adhered to the coal, and generally 1 inch of coal above and below the blue band was left in the mine

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
T. M. Meeks	Meeks	1904-1912	150,573 **
Egyptian Coal & Mining Company	Meeks No. 2 ***	1912-1920 †	481,181
Egyptian Coal & Mining Company	Meeks No. 2	1920-1928	671,426 ††
			1,303,180

** Idle 1909
*** The mine was listed in the Coal Reports as No. 2 in 1913 & 1914, and No. 1 from 1923 to 1925. No designation was noted in the other years.
† Idle 1915
†† Production after map date

Last reported production: January 1928

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_122_01	8-27-1920	1:2400	1:2400	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
Mine notes (St. Clair County) - Mine type, shaft location, seam, depth, thickness, geologic problems.
State archive, IL_122_01 - Shaft locations, mine outline, mining method.

Mine Index 208
Madison Coal Corporation, Crystal Mine

Type: Underground Total mined-out acreage shown: 755 The area shown on the accompanying map for the Crystal Mine could not be separated from the Tilden Mine (mine index 3184). The area shown is for both mines.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	4S 5W	5	SE NE SW
Air shaft	Randolph	4S 5W	5	SE NE SW

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
Herrin	194	4.0	7.0	6.0	MRP

Geologic Problems Reported: About half of the mine roof was 10 feet of limestone. The roof over one-quarter of the mine was up to 3 feet of black shale. White top was present in some local areas of the mine that had black shale roof. Both the black shale and the white top came down readily. The roof over the remainder of the mine was a massive argillaceous limestone that was very unstable. Roof falls under this argillaceous limestone were up to 12 feet high. Similar conditions were noted in other nearby mines. In spite of the seriousness of the roof falls, the condition was spotty and the overall roof was deemed very good. Numerous slips were present in the roof. Pyrite was present in thin plates, less than 1/4 inch thick. Other impurities included mother coal and the blue band. The floor was fireclay that averaged 18 inches thick. The floor heaved badly, especially where the entries and rooms were too wide.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Crystal Coal Company	Crystal	1900-1907	336,937
Bessemer Washed Coal Company	Crystal	1907-1911	447,428
Bessemer Coal & Mining Company	Crystal	1911-1915 *	145,004
Tilden Coal Company	Crystal	1915-1917	119,934
Madison Coal Corporation **	Crystal	1917-1924	2,094,954
			3,144,257

* Idle 1915
** Owned by Great Western Coal Company

Last reported production: March 1924

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	1931	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, shaft location, seam, depth, thickness, geologic problems.
Company map, Old Ben Collection - Shaft locations, mine outline, mining method.

Mine Index 300
Gulf Fuel & Mining Company, Willis No. 7 Mine

Type: Underground Total mined-out acreage shown: 565 Production indicates approximately 70 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 5W	8	SE NW NW
Air shaft	Randolph	5S 5W	8	SE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	150			6.25	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Valley & Gulf Coal Company	Eden	1888-1897	301,286
Hugh Murray	Eden	1897-1898	36,184
Western Anthracite Coal & Coke Company	Eden	1898-1905 *	943,306
Eden Coal Company	Eden	1905-1906	31,243
Wilson Brothers Coal Company	Eden No. 7	1906-1917 **	653,977
Willis Coal & Mining Company	Willis No. 7	1917-1923	584,240
Willis Coal & Mining Company	Willis No. 7	1924-1934 ***	316,260 †
Gulf Fuel & Mining Company	Willis No. 7	1935-1935	3,800 †
			2,870,296

* Idle 1905
** Idle 1915
*** Idle 1928-1934
† Production after map date

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353337	12-1923	1:2400	1:4303	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Shaft location, depth, thickness.
Microfilm map, document 353337, reel 03142, frames 317-320 - Shaft locations, mine outline, mining method.

Mine Index 613
Gulf, Mobile & Ohio Railroad, Dodd Mine

Type: Underground Total mined-out acreage shown: 160

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	1	NE SE SW
Air shaft (6 x 8 feet)	Randolph	5S 6W	1	NW SW NE
Air shaft *	Randolph	5S 6W	1	NE SE NW

* A microfilm image of a 1938 map shows a “Fan” and what looks like a shaft symbol. The text and symbol were not transferred to the 1944 map base, and the rooms and pillars in the vicinity are shown with a dashed line, indicating the surveying engineer did not enter or survey that part of the mine, but traced it from an earlier version of the map. The area is quite near the area labeled “Bad Top” on the 1944 source map.

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
Herrin	96-115	5.5	6.5	5.67	MRP

Geologic Problems Reported: The source map showed an area of bad top that limited expansion. This area was in E ½ NW 1-T5S-R6W. The roof consisted of about 6 feet of limestone above an immediate roof of black shale, draw slate and white top. The draw slate was up to 13 inches thick and was present over one-third of the mine. The material between the coal and limestone varied from 1 inch to 5 feet; in no part of the mine was the limestone observed resting directly on the coal. A few slips were reported, with pyrite and clay in the slip planes. The blue band was 1.0 to 2.0 inches thick, about 4 inches above the floor. The underclay was soft and varied from 6 to 24 inches thick. No heaving was reported.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
George Wilson	Boyd	1915-1931 **	91,647
Ill-Mo Coal Company	Boyd	1932-1941	137,614
Gulf, Mobile & Ohio Railroad	Dodd	1941-1944	488,729
			1,121,593

** Mines producing less than 1,000 tons per year in 1930 & 1931 were not reported. Production is not known for 1930 and 1931.

Last reported production: July 1944

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353339	9-25-1944	1:2400	1:3972	Final
Microfilm, document 353344	4-1938	1:1200	1:2565	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, shaft location, seam, depth, thickness, geologic problems.
Microfilm map, document 353339, reel 03142, frames 322 & 323 - Shaft location, mine outline, mining method, geologic problems.
Microfilm map, document 353344, reel 03142, frame 334 - Air shaft location.

Mine Index 654
Sparta Coal Company, Florida Mine

Type: Underground Total mined-out acreage shown: 1,206

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	4S 5W	10	SW SE NW
Air shaft	Randolph	4S 5W	10	NW NE SW

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
Herrin	186	5.5	6.5	6.0	RPP, some MRP

Geologic Problems Reported: The immediate roof was up to 3 feet of black shale that stuck to the coal or limestone where the black shale wedged out. In some places, up to 2 feet of white top was seen above the coal. The limestone cap rock was a nodular argillaceous rock that required heavy timbering and fell without warning even then. It appeared to consist of limestone nodules 4 to 8 inches across embedded in calcareous shale, and more closely resembles a bastard limestone than the typical Brereton Limestone. Coal balls were present in the eastern part of the mine in the uppermost bench of coal, which thickened up to 2 feet thick when the coal balls were present. Thin plates of pyrite were present, as well as 1/16 inch thick band of plates that was about 18 inches below the roof. Another band of pyrite plates and / or clay was present about 18 inches above the floor. This band in the lower part of the seam averaged 1/8 to 1/4 inch thick, and ranged up to 2 inches thick. The blue band was about 12 inches above the floor and contained some streaks of pyrite. Bands of mother coal were fairly persistent in the mine.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
A. E. Powell	Consol	1902-1904	35,220
J. A. Greim	Consol	1904-1905	39,617
Coulterville Coal Company	Consol	1905-1907	67,631
West Mine Coal Company	Consol	1907-1912	136,841
Underwood Coal & Mining Company	Consol, West	1912-1914	60,438
West Side Coal Company	Consol, West	1914-1919	281,559
St. Louis Coal Company	Florida	1919-1940 *	2,896,031
Florida Coal Company	Florida	1940-1945	1,895,198
Sparta Coal Company	Florida	1946-1950	1,657,781
			7,070,316

* Idle 1932

Last reported production: September 1950 **

** According to the source map, the production reported after June 1 must have been from an on-site stockpile. The map legend states that the mine was last operated March 15, 1950, was abandoned September 1, 1950, and the final survey was June 1, 1950.

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353357	6-1-1950	1:2400	1:4800	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, shaft location, seam, depth, thickness, geologic problems.
Microfilm map, document 353357, reel 03142, frames 354-357 - Shaft locations, mine outline, mining method.

Mine Index 701
Old Ben Coal Company, Spartan Mine

Type: Underground Total mined-out acreage shown: 7,197

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Hoist slope	Randolph	4S 5W	21	NE SE SE
Materials slope	Randolph	4S 5W	21	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	200-203			6.0-6.75	RPP

Geologic Problems Reported: The roof was generally up to 4 feet of black Anna Shale topped by clod and limestone. Joints were common in the Anna Shale, and the shale broke along the joint surfaces and fell. In some places, the roof was nodular limestone that slabbed off in thicknesses of a foot or more along shaley partings and did not make a competent roof. Generally, the limestone was more solid in the eastern portion of the mine than in the western part. In some areas, the roof was gray shale, which sometimes contained coal balls in the upper part of the seam. Pyrite was present in the coal along fracture faces, in thin bands, and mixed in the durain bands. Squeezing took place before 1974. In some areas, 2 feet of upheaval was noted, but a mine examiner reported that in some areas, the squeezing was all the way to the roof. This caused the pillars to crack.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Midwest Utilities Coal Corporation	Bradbury	1952-1957	2,165,914
Zeigler Coal & Coke Company	Spartan	1957-1970	11,310,966
Zeigler Coal Company	Spartan No. 2	1971-1991 *	15,399,408
Old Ben Coal Company	Spartan	1992-1997	9,079,821
			37,956,109

* Idle 1983 & 1984

Last reported production: November 21, 1997

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, Coal Section files	4-24-1998	1:4800	1:4800	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, slope location, geologic problems.
Company map, Coal Section files - Slope locations, mine outline, mining method.

Mine Index 793
Marissa Coal & Mining Company, Marissa Mine

Type: Underground Total mined-out acreage shown: 119 Production indicates approximately 30 acres were mined after the map date. The mined area shown on the accompanying map is smaller than expected for the reported production, which indicates approximately 155 acres were mined. A general area of mining has been added to the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	3S 6W	27	SW NE SE
Air shaft	St. Clair	3S 6W	27	SW NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	120			6.0-7.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
James Smith & Company	Smith	1882-1883	720
Marissa Coal Company	Marissa	1883-1886	59,913
Consolidated Coal Company of St. Louis	Marissa, Old Dutch *	1886-1887	19,957
D. Zihlsdorf, lessee	Marissa	1887-1894	258,948
Consolidated Coal Company of St. Louis	Marissa	1894-1896	68,422
Daniel Zohlsdorf	Marissa	1896-1897	26,592
Consolidated Coal Company	Marissa	1897-1902	233,540
Daniel Zildorph	Marissa	1902-1904	139,259
Marissa Coal & Mining Company	Marissa	1904-1906	97,262
Marissa Coal & Mining Company	Marissa	1906-1909	162,667 **
			1,067,280

* The Old Dutch Mine name was shown on the source map for the Okay Mine (mine index 3621). Marissa Mine may have been known as the Old Dutch Mine throughout its history or for only a short time.
** Production after map date

Last reported production: 1909

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_134_01	7-23-1906	1:2400	1:2400	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness.
Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
Mine notes (St. Clair County) - Shaft location.
State archive, IL_134_01 - Shaft locations, mine outline, mining method.

Mine Index 934
Peabody Coal Company, River King Pit No. 6 Mine

Type: Surface Total mined-out acreage shown: 9,589 The area shown on the accompanying map, combined with that shown on Baldwin and New Athens East Quadrangles, is much larger than expected for the reported production. The area shown for River King Surface Mine (mine index 857) on the Freeburg, Mascoutah, and New Athens East Quadrangles is much smaller than indicated for the reported production. If both index numbers are combined for all of the River King Surface mines, the area shown on the quadrangle maps is in line with the reported production. The total area mined was 13,164 acres for a total 104,187,734 tons.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	St. Clair	3S 6W	16	SW SW SW
Auger	Randolph	4S 6W	36	SW SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	60-100			5.33-6.5	Surface
Springfield (1984 & 1985)	78			3.0-4.7	Surface

Geologic Problems Reported: In some areas, the roof contained the Piasa, Bankston Fork, and Brereton Limestones. The highwall was difficult to control and consequently dangerous. The Herrin Coal contained pyrite in horizontal bands, lenses, and along vertical fractures. The blue band was present about 14 inches above the bottom of the seam (Herrin Coal).

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Peabody Coal Company	River King Pit No. 6 *	1976-1992 **	27,155,940
			27,155,940

* River King surface mines began operation in 1957, but Pit No. 6 began reporting separately in 1976. Tonnage reported for Pit No. 6 includes production from Pit No. 5 in St. Clair County.
** Idle 1990

Last reported production: 1992

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.S31 i5.1-63	3-14-1969	1:62500	1:62500	Not final
Company, 10-4-38	6-13-1979	1:4800	1:4800	Final (for pit)
Company, 6-311	7-1994	1:4800	1:4800	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 (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Geologic problems.
Company map, ISGS map library, 4103.S31 i5.1-63 - Mine outline, mining method.
Company map, Coal Section files, 10-4-38 - Mine outline.
Company map, Coal Section files, 6-311 - Mine outline.

Mine Index 952
Peabody Coal Company, Baldwin Mine

Type: Underground Total mined-out acreage shown: 7,075

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Randolph	4S 6W	4	NE SE NW
Air shaft	Randolph	4S 6W	4	SW SW NE
Air shaft	Randolph	4S 6W	4	NW SW NE
Air shaft	Randolph	4S 5W	7	SE NW SW
Shaft (Sparta Portal)	Randolph	4S 5W	7	NW SE SW

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
Herrin	125			6.0-6.5	BRP

Geologic Problems Reported: Slips were noted in the Anna Shale above the coal. The slips sometimes caused roof falls up to the Brereton Limestone. Some roof falls went across four entries and affected several rooms. Coal balls were present in the black shale as well, and were up to 2 inches thick and more than 12 inches long. In some places the roof consisted of pods or lenses of gray Energy Shale. Some slips were present in the Energy Shale, but fewer than in the Anna Shale, and some rolls were present in the Energy Shale.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Peabody Coal Company	Baldwin	1972-1993	36,325,644
			36,325,644

Last reported production: 1993

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_788_01	5-5-1994	1:4800	1:4800	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, slope location, seam, depth, thickness, geologic problems.
State archive, IIL_788_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 968
Peabody Midwest Mining, Gateway Mine

Type: Underground Total mined-out acreage shown: 13,062

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Randolph	4S 5W	26	NE SW NE
Man & materials shaft	Randolph	4S 5W	26	NE SE NE
Air shaft	Randolph	4S 5W	26	SW SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	200-265			6.2-7.0	CRP

Geologic Problems Reported: Mining was stopped on the east and southeast sides by the Anvil Rock Channel.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Zeigler Coal Company	Zeigler No. 11	1976-1991	14,895,818
Old Ben Coal Company	Zeigler No. 11	1992-2003 *	22,158,865
Coulterville Coal Company	Gateway	2004-2006	4,721,378
Black Beauty Coal Company	Gateway	2007-2010	12,439,105
Peabody Midwest Mining	Gateway	2011-2015	12,537,603
			66,752,769

* Idle 1996

Last reported production: 2015

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 6-461N	3-29-2016	1:6000	1:6000	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Company map, Coal Section files, 6-461N - Slope & shaft locations, mine outline, mining method, geologic problems.

Mine Index 990
Peabody Coal Company, Marissa Mine

Type: Underground Total mined-out acreage shown: 7,273

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Washington	3S 5W	29	NW NW SE
Air shaft	Washington	3S 5W	29	SW NW SE
Air shaft	Washington	3S 5W	29	SW NW SE
Air shaft	Washington	3S 5W	29	SW NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	150-200			6.6-7.3	BRP

Geologic Problems Reported: A thrust fault with displacement up to 1.5 feet was noted, as well as some localized thrust faults with less than 1 foot of displacement. The thrust faults were laterally discontinuous. The roof was limestone near the slope bottom. Limestone roof materials were sometimes thin or discontinuous. The limestone was likely Brereton Limestone in some areas, but the Conant Limestone was also seen in the Marissa Mine. Anna Shale made the roof in some areas, and joints and slips were usually widely spaced in this black shale. Some areas of black shale roof contained concretions. Slips were common where the roof was Energy Shale, and the coal under the gray shale sometimes contained coal balls in the upper part of the seam. A set of slips, oriented northwest-southeast, southwest of the air intake shaft marked a boundary between good and bad roof. The bad roof had many slips, and appeared to have thin or no limestone in the sequence above the coal. The coal was generally 5.5 feet thick under limestone roof and up to 7.5 feet thick under black shale. Pyrite was present in the coal as stringers, thin bands and goat beards. The blue band was about 1 foot from the bottom of the coal.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Peabody Coal Company	Marissa	1979-1999	40,680,259
			40,680,259

Last reported production: 1999

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, MS_25_01	1-11-2000	1:3200	1:3200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth.
Directory of Illinois Coal Mines (Washington County) - Mine names, mine index, ownership, years of operation.
Mine notes (Washington County) - Mine type, seam, thickness, geologic problems.
State archive, MS_25_01 - Slope & shaft locations, mine outline, mining method.

Mine Index 1053
Peabody Midwest Mining, Gateway North Mine

Type: Underground Total mined-out acreage shown: 2,185

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Slope	Randolph	4S 5W	14	NE SW NW
Air shaft (intake)	Randolph	4S 5W	11	SW SW SE
Air shaft (exhaust)	Randolph	4S 5W	11	SW SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	305			6.2	CRP

Geologic Problems Reported: (Geologic problems npt reported for active mines).

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Peabody Midwest Mining	Gateway North	2015- *	17,229,644 *

* Production shown is through 2022, the most recent Coal Report

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 6-473F	3-27-2020	1:4800	1:4800	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Company map, Coal Section files, 6-473F - Slope and shaft locations, mine outline, mining method.

Mine Index 3184
Madison Coal Corporation, Tilden Mine

Type: Underground Total mined-out acreage shown: 755 The area shown on the accompanying map for the Tilden Mine could not be separated from the Crystal Mine (mine index 208). The area shown is for both mines.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	4S 5W	6	NE SW NE
Air shaft	Randolph	4S 5W	6	NE SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	186			6.0-6.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Tilden Mining Company	Tilden	1887-1889	4,100
R. A. Torrens	Tilden	1889-1890	5,617
Tilden Coal Company	Tilden	1890-1896	77,876
William Goddard	Tilden	1896-1898	63,432
Donk Brothers Coal & Coke Company	Tilden	1898-1901	170,157
Tilden Coal Company	Tilden	1901-1907	277,145
Bessemer Washed Coal Company	Tilden	1907-1915 *	224,389
Tilden Coal Company	Tilden	1915-1917	60,222
Madison Coal Corporation	Tilden	1917-1919	190,754
			1,073,692

* Idle 1915

Last reported production: March 1919

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company	1931	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, thickness.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, shaft location, seam, depth.
Company map, Old Ben Collection - Shaft locations, mine outline, mining method.

Mine Index 3185
Randolph Coal Company, Eureka No. 2 Mine

Type: Underground Total mined-out acreage shown: 552

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	4S 5W	6	SE NW NW
Air shaft	Randolph	4S 5W	6	SE NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	193			6.0-7.0	MRP

Geologic Problems Reported: The roof consisted of 8 feet of limestone above 3 to 4 feet of shale above 2 to 3 feet of white top. The blue band was 18 inches above the floor.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Eureka Coal Company	Eureka No. 2	1904-1905	6,981
Jones Brothers Coal & Mining Company	Eureka No. 2	1905-1936	2,372,644
Oregon Coal Company	Eureka No. 2	1937-1942 *	31,638
Randolph Coal Company	Eureka No. 2	1943-1948	1,065,977
			3,477,240

* Idle 1938-1942

Last reported production: August 1948

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353368	9-11-1948	1:2400	1:4303	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, thickness.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, shaft location, seam, depth, geological problems.
Microfilm map, document 353368, reel 03142, frames 376 & 377 - Shaft locations, mine outline, mining method.

Mine Index 3191
Philip Smith, Old Edgar Mine

Type: Underground Total mined-out acreage shown: None; not shown on accompanying map because of later surface mining by River King Pit No. 6 Mine (mine index 934).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Randolph	4S 6W	35	NE NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	16			6.0-6.33	

Geologic Problems Reported: A black fissile shale was above the coal, and was about 2 feet thick. Above the shale was a limestone cap rock, varying from 3 to 4 feet thick. One visitor said there was no blue band, another said the blue band was present about 15 inches above the bottom of the seam.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Colonel Edgar	Edgar	Unknown	Unknown
N. E. Lessley & Son	Edgar	before 1923 *	Unknown
Philip Smith	Old Edgar	before 1925 *	Unknown

* Visitors describe the mine as abandoned in 1923, and refer to the mine as the “Old Edgar” mine in 1925. The notes were unclear as to whether the mine had been worked between the 1923 and 1925 visits, but the water at the coal face in 1923 had accumulated to 2 feet deep.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (H. E. Culver)	Circa 1923	(text only)	1:24000 **	Secondary source
ISGS field notes (W. B. Goddard)	1925	(text only)	1:24000 **	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)

Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
ISGS field notes (Randolph County) - Mine type, slope location, seam, depth, thickness, geologic problems.

Mine Index 3192
Lemon & McElvey, Lemon & McElvey Mine

Type: Underground Total mined-out acreage shown: 67

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	4S 6W	36	SE SE SW
Air shaft	Randolph	4S 6W	36	SE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	142			5.7-6.0	MRP

Geologic Problems Reported: The roof consisted of 3.5 feet of black shale below 8 feet of limestone. The blue band was 11 inches above the bottom of the coal seam.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Lemon & McElvey	Lemon & McElvey	1922-1927	40,493
George A. Lemon	Lemon	1927-1928	10,700
Lemon & McElvey	Lemon & McElvey	1929-1929	20,055
George A. Lemon	Lemon	1930-1930	13,185
Lemon & McElvey	Lemon & McElvey	1931-1948	288,918
			373,351

Last reported production: October 1948

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353348	10-25-1948	1:2400	1:3641	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, shaft location, seam, depth, thickness, geologic problems.
ISGS field notes (Randolph County) - Thickness.
Microfilm map, document 353348, reel 03142, frame 341 - Shaft locations, mine outline, mining method.

Mine Index 3193
Moffat Coal Company, Moffat No. 2 Mine

Type: Underground Total mined-out acreage shown: 2,002

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Randolph	5S 5W	4	NE SW SE
Man & material slope	Randolph	5S 5W	4	NE SW SE
Air shaft	Randolph	5S 5W	4	NW SE SE
Air shaft	Randolph	5S 5W	4	NW SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	88-100			6.0-6.5	RPP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Moffat Coal Company	Moffat No. 2	1939-1956	9,224,668
			9,224,668

Last reported production: February 28, 1956

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353366	2-28-1956	1:2400	1:4800	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, depth, thickness.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, slope location, seam.
Microfilm map, document 353366, reel 03142, frames 368-371 - Slope & shaft locations, mine outline, mining method.

Mine Index 3202
Hector Beveridge Coal Company, Beveridge No. 1 Mine

Type: Underground Total mined-out acreage shown: 7

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	2	S ½ NE NW
Air shaft	Randolph	5S 6W	2	S ½ NE NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Hector Beveridge Coal Company	Beveridge No. 1	1929-1935	29,637
			29,637

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353362	7-25-1959	1:2400	1:3144	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Microfilm map, document 353362, reel 03142, frame 364 - Shaft locations, mine outline, mining method.

Mine Index 3203
Thomas Campbell, Campbell Mine

Type: Underground Total mined-out acreage shown: 40

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	1	NE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	102			6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
J. C. Boyle Coal Company	Boyle	1900-1918 *	119,273
George A. Lemon	Boyle	1918-1920	19,806
Thomas Campbell	Campbell	1920-1927	72,001
			210,080

* Idle 1915

Last reported production: 1918

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353339	9-25-1944	1:2400	1:3972	Secondary source
Microfilm, document 353344	4-1938	1:1200	1:2565	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, thickness, mining method.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, shaft location, depth.
Microfilm map, document 353339, reel 03142, frames 322 & 323, map of Dobbs Mine (mine index 613) - Mine outline, mining method.
Microfilm map, document 353344, reel 03142, frame 334, map of Dobbs Mine (mine index 613) - Shaft location.

Mine Index 3205
Boyd Coal Company, Boyd Mine

Type: Underground Total mined-out acreage shown: 260 Production indicates approximately 190 acres were mined. The mine is within a 260 acre general mine outline that also encompasses Davison & Fulton No. 2 Mine (mine index 3204). Although the mine outline is larger than the reported production of both mines, the 1875 atlas indicates mining took place before production was reported.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	2	SW SE SE
Air shaft	Randolph	5S 6W	1	NE SW SW

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
Herrin	50			5.5-6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
David B. Boyd	Boyd	pre1866-1892 *	166,771
James Davison	Boyd	1892-1893	20,180
D. B. Boyd	Boyd	1893-1895	47,359
Boyd Coal & Coke Company	Boyd No. 1	1895-1900	245,522
Davison & Fulton	Davison & Fulton	1900-1903	84,396
Boyd Coal & Coke Company	Boyd	1903-1913	403,103
Boyd Coal Company	Boyd	1914-1915	500
			967,831

* Production and years of operation before 1866 are not known. The 1879 Coal Report indicated 10 acres were mined. The mine was idle in 1891.

Last reported production: 1915

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353339	9-25-1944	1:2400	1:3972	Secondary source
Microfilm, document 353344	4-1938	1:1200	1:2565	Secondary source
WPA, T5S-R6W	circa 1934	1:12000	1:63360	Secondary source
Federal Land Bank of St. Louis Report	circa 1935	1:12000	1:126720	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Shaft location, seam, depth, thickness.
Microfilm map, document 353339, reel 03142, frames 322 & 323, map of Dobbs Mine (mine index 613) - Mine outline (southern extent), air shaft location.
Microfilm map, document 353344, reel 03142, frame 334, map of Dobbs Mine (mine index 613) - Mine outline (eastern and northeastern parts).
WPA, T5S-R6W - Mine outline (western half).
Federal Land Bank of St. Louis Report (Randolph County) - Mine outline (westernmost extent).
Worthen, A. H., 1866, Geology [of Illinois], Volume I, State Journal Steam Press, Springfield, Illinois, 504p. - Years of operation (p. 283).

Mine Index 3206
Miners Coal Company, Beveridge Mine

Type: Underground Total mined-out acreage shown: 42

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	Randolph	5S 6W	2	NW SW NE
Air shaft	Randolph	5S 6W	2	NW SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	55-65			5.5-6.0	MRP

Geologic Problems Reported: The area south of the shafts is designated a “squeeze area” on the source map.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Hector Beveridge Coal Company	Beveridge No. 2	1936-1952	143,623
Ideal Coal Company, Inc.	Beveridge No. 2	1952-1953	1,014
West Side Coal Company	Beveridge No. 2	1953-1955	3,542
Western Coal Company	Beveridge No. 2	1955-1957	6,805
Sparta Coal Company	Beveridge	1957-1958	1,679
Miners Coal Company	Beveridge	1958-1959	838
			157,501

Last reported production: July 1958

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 353362	7-25-1959	1:2400	1:3144	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, thickness.
Directory of Illinois Coal Mines (Randolph County) - Mine names, mine index, ownership, years of operation.
Mine notes (Randolph County) - Mine type, shaft location, seam, depth.
Microfilm map, document 353362, reel 03142, frame 364 - Shaft locations, mine outline, mining method, geologic problems.

Mine Index 3621
Marissa Coal Company, Okay Mine

Type: Underground Total mined-out acreage shown: 372

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (6.5 x 13 feet)	St. Clair	3S 6W	26	SE SW SW
Air shaft	St. Clair	3S 6W	26	SE SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	120	6.0	8.0	6.5	MRP

Geologic Problems Reported: Two faults were noted, 650 feet south of the shaft. One was traced 150 feet through contiguous rooms. The roof consisted of 0 to 5 feet of shale with limestone above. The shale contained pyrite balls of varying sizes. According to the mine notes, the miners said these pyrite balls indicated a good roof that had little tendency to fall. The coal seam contained numerous minor slips. The coal immediately above the blue band had pyrite & clay bands scattered throughout the layer. The blue band ranged from 0.25 to 1 inch thick and consisted of shale and pyrite. The coal under the blue band ranged from 17 to 22 inches. The floor was 3 inches to 1.5 feet of fire clay. A small amount of heaving was noted long after an area was mined.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Johnson Coal Company	O. K.	1888-1917	956,673 *
O. K. Coal Company	O. K.	1917-1922	353,345
Egyptian Coal & Mining Company	O. K.	1922-1930	197,750 **
O. K. Coal Company	O. K.	1931-1936	230,557
Marissa Coal Company	O. K.	1937-1942	84,141
Smith Coal Company	O. K.	1942-1944	209,082
O-Kay Coal Company	O. K.	1945-1947	312,908
Marissa Coal Company	Okay	1947-1948	98,639
			2,443,095

* Idle 1914-1917
** Idle 1929 & 1930

Last reported production: December 1948

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_115_03	4-24-1952	1:2400	1:2400	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
Mine notes (St. Clair County) - Mine type, shaft location & size, seam, depth, thickness, geologic problems.
State archive, IL_115_03 - Shaft locations, mine outline, mining method.

Mine Index 3622
Jones Brothers Coal & Mining Company, Eureka No. 1 Mine

Type: Underground Total mined-out acreage shown: 242 Production indicates that approximately 274 acres were mined. The boundary between the Gill Mine (mine index 80) and the Eureka Mine is not clear. It is likely that area depicted on the accompanying map as Gill Mine contains areas mined by Eureka No. 1 Mine.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (6 x 6.5 feet)	St. Clair	3S 6W	27	NE NW SE
Air shaft	St. Clair	3S 6W	27	NE NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	114			6.5	RP

Geologic Problems Reported: The immediate roof was 0 to 4 feet of shale, with limestone above. The floor was over 2 feet of fire clay.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Eureka Coal Company	Eureka No. 1	1898-1905	329,245
Jones Brothers Coal & Mining Company *	Eureka No. 1	1905-1934	1,278,172
			1,607,417

* The mine notes indicate that in 1926, the mine was leased to Wallace Coal Company.

Last reported production: February 1934

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
WPA, T3S-R6W	circa 1934	1:12000	1:63360	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.
Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
Mine notes (St. Clair County) - Mine type, shaft location & size, seam, depth, thickness, geologic problems.
WPA, T3S-R6W - Shaft locations, mine outline.

Mine Index 3625
Egyptian Coal & Mining Company, Oak Ridge Mine

Type: Underground Total mined-out acreage shown: 239 The area shown on the accompanying map includes the area mined for White Oak No. 1 Mine (mine index 3627). The boundary between the two mines could not be discerned. According to the source maps, Oak Ridge Mine (White Oak No. 2 Mine) was generally north of the railroad, while White Oak No. 1 Mine was generally south of the railroad. With the area mined before reported production for White Oak No. 1 Mine, production indicates approximately 320 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft (7.5 x 14 ft) *	St. Clair	3S 6W	35	SW SE NE

* No air shafts were shown on the source maps. It is likely that ventilation was provided by underground connection with White Oak No. 1 Mine (mine index 3627).

GEOLOGY

		Thickness (ft)			Mining
Seam(s) Mined	Depth (ft)	Min	Max	Avg	Method
Herrin	156	5.5	7.5	6.5	RP

Geologic Problems Reported: The roof was 6 inches to 2 feet of shale beneath 14 feet of limestone. Slips were common in the white top above the coal. The coal contained considerable pyrite. The underclay was generally 6 to 10 inches thick, but ranged from 3 inches to 4 feet.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Dishew	White Oak No. 2	1882-1883	Not reported
Tijou, Donk & Company	White Oak No. 2	1883-1884	40,000
White Oak Coal Company	White Oak No. 2	1884-1885	20,570
Tijou, Donk & Company	White Oak No. 2	1885-1886	35,000
Consolidated Coal Company of St. Louis	White Oak No. 2	1886-1896	564,062
Robert Forsythe	White Oak No. 2	1896-1897	30,749
Consolidated Coal Company of St. Louis	White Oak No. 2	1897-1904	384,034
Marissa Coal & Mining Company	Oak Ridge	1904-1905	34,816
Avery Coal Company	Oak Ridge	1905-1906	24,211
Oak Ridge Coal Company	Oak Ridge	1906-1907	41,444
Bessemer Washed Coal Company	Oak Ridge	1907-1911	450,965
Egyptian Coal & Mining Company	Oak Ridge	1911-1912	36,407
			1,662,258

Last reported production: July 12, 1912 (A fire burned the tipple, engine house and boiler house.)

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_122_01	8-27-1920	1:2400	1:2400	Final
Microfilm, document 351006	12-30-1885	1:1200	1:1075	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mining method.
Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
Mine notes (St. Clair County) - Mine type, shaft location & size, seam, depth, thickness, geologic problems.
State archive, IL_122_01- Shaft location, mine outline, mining method.
Microfilm map, document 351006, reel 03134, frame 76 - Shaft identification.

Mine Index 3627
Dishew, White Oak No. 1 Mine

Type: Underground Total mined-out acreage shown: 239 The area shown on the accompanying map includes the area mined for White Oak No. 2 Mine (mine index 3625). The boundary between the two mines could not be discerned. According to the source maps, Oak Ridge Mine (White Oak No. 2 Mine) was generally north of the railroad, while White Oak No. 1 Mine was generally south of the railroad. With the area mined before reported production, production indicates approximately 320 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft *	St. Clair	3S 6W	35	SE NE NW

* No air shafts were shown on the source maps. It is likely that ventilation was provided by underground connection with White Oak No. 2 Mine (mine index 3625).

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft) Min	Max	Avg	Mining Method
Herrin	140			7.0-7.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Donk & Tizon	White Oak No. 1	pre1881-1882 **	30,000
Dishew	White Oak No. 1	1882-1883	30,000
			60,000

** Production, ownership, and years of operation before July 1882 are not known. The 1882 Coal Report indicated 26 acres were mined.

Last reported production: 1883

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
State archive, IL_122_01	8-27-1920	1:2400	1:2400	Final
Microfilm, document 351006	12-30-1885	1:1200	1:1075	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, mine type, seam, depth, thickness.
Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
Mine notes (St. Clair County) - Shaft location.
State archive, IL_122_01 - Shaft location, mine outline, mining method.
Microfilm map, document 351006, reel 03134, frame 76 - Shaft identification.

OTHER MINES SHOWN ON TILDEN QUADRANGLE

Mine Index 3190, Wood Mine * SE NE SW 35-T4S-R6W, shaft, Herrin Coal, 40 feet deep, 6.0 feet thick, circa
source: ISGS field notes (W. B. Goddard, 1925, "abandoned years ago"), Worthen Volume I, p. 283 (1866)
Mine Index 4358 * SW SE SW 26-T4S-R6W source: Mine notes
Mine Index 4360 * SW NE NW 35-T4S-R6W source: ISGS field notes (L. C. McCabe, 9-16-1927)
Mine Index 4362 * NE NE SW 35-T4S-R6W source: Federal Land Bank Report (July 1934)

* Not shown on accompanying map because of later surface mining

MINES WHOSE LOCATIONS ARE NOT KNOWN, TILDEN 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 Tilden 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 25,883 (25,584 mined underground and 299 mined by uncertain method), which would represent approximately 4 to 7 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

SPARTA (Randolph County)

Hardin (Robert), 1878-1883, drift, Herrin, 15-20, 6.0-7.0	264 tons
Wilson (John), 1878-1879, shaft, Herrin, 20-26, 5.0-6.0, RP	2,500 tons
Wilson (James), 1882-1883	800 tons
Wilson (J. A.) & Son, 1883-1885	1,800 tons
	5,100 tons
Gibson (Joseph), 1878-1879, shaft, Springfield, 15-40, 4.0-5.0	1,400 tons
Franklin (Thomas), 1881-1882	400 tons
	1,800 tons
Wolf & Company, 1882-1883, slope, Springfield, 25, 4.5	100 tons
Welshans (H. M.), 1905-1909, shaft, Herrin, 35-40, 6.0, RP	4,307 tons
Kramer & Finley, 1922-1923	275 tons
Walter & Moore, 1922-1923	24 tons
Adams (Harry), 1928-1929, underground	3,628 tons
Guelet (Albert R.), 1930-1931	10,126 tons
	13,754 tons
Purity Coal Company, 1934-1936, underground	259 tons

INDEX OF MINES IN THE TILDEN QUADRANGLE