

Coal Mines in Illinois Millstadt Quadrangle

St. Clair County, Illinois

This map accompanies the Coal Mines Directory for the Millstadt 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

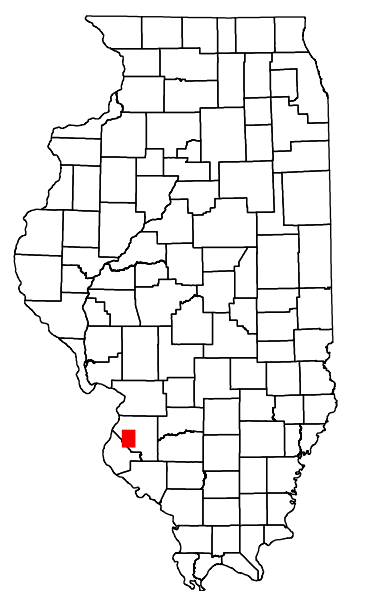
Tipple, Shaft, Slope, Drift Locations

- 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.

ILLINOIS
Illinois State Geological Survey
PRAIRIE RESEARCH INSTITUTE

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

Mine Outline Compiled by
Andrew G. Louchios

2004
Revised 2006, 2021 & 2023

DIRECTORY OF COAL MINES IN ILLINOIS 7.5-MINUTE QUADRANGLE SERIES MILLSTADT QUADRANGLE ST. CLAIR COUNTY

Cheri Chenoweth & Andrew Louchios



Department of Natural Resources
ILLINOIS STATE GEOLOGICAL SURVEY
2004
REVISED 2006, 2021

**DIRECTORY OF COAL MINES IN ILLINOIS
7.5-MINUTE QUADRANGLE SERIES
MILLSTADT QUADRANGLE
ST. CLAIR COUNTY**

2004
REVISED 2006, 2021

ILLINOIS STATE GEOLOGICAL SURVEY
William Shilts, Chief

Natural Resources Building
615 East Peabody Drive
Champaign, Illinois 61820

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

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

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

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

Printed by authority of the State of Illinois/2004

CONTENTS

INTRODUCTION	1
MINING IN THE MILLSTADT QUADRANGLE	1
PART I EXPLANATION OF MAP AND MINE SUMMARY SHEET	2
INTERPRETING THE MAP	2
Mine Type and Mining Method	2
SOURCE MAPS	3
POINTS AND LABELS	3
INTERPRETING A MINE SUMMARY SHEET	6
REFERENCES	8
PART II DIRECTORY OF MINES IN THE MILLSTADT QUADRANGLE	9
MINE SUMMARY SHEETS	9
Mine Index 502	
Alcoa Ore Company, Alcoa Mine	9
Mine Index 628	
Lill Coal Company, Lill Mine	10
Mine Index 653	
Peabody Coal Company, Midwest Strip Mine	11
Mine Index 682	
Midwest Radiant Fuel Corporation, Midwest Radiant No. 1 Mine	12
Mine Index 783	
White Rose Coal Company, White Rose Mine	13
Mine Index 3533	
Victoria Coal Company, Branch Mine	14
Mine Index 3539	
South Side Coal Company, South Side Mine	15
Mine Index 3555	
Jacob Mayer, Mayer Mine	16
Mine Index 3557	
Johnson Coal Company, Johnson Mine	17
Mine Index 3558	
Mayer Coal Company, Mayer Mine	18
Mine Index 3559	
Louis Buecher & Harry Baltz, Bauer Mine	19
Mine Index 3572	
Northern Coal Company, Northern Mine	20
Mine Index 3575	
Clarence Mayer, Mayer Mine	21
Mine Index 3577	
Millstadt Coal Company, Millstadt Mine	22
Mine Index 3578	
Diamond Joe Coal Company, Diamond Joe No. 1 Mine	23
Mine Index 3579	
Diamond Joe Coal Company, Diamond Joe No. 2 Mine	24
Mine Index 3580	
J. Donneholt, Donneholt Mine	25
Mine Index 3581	
William Pistor, Pistor Mine	26
Mine Index 3583	
C. R. Luster & Son, Luster Mine	27
Mine Index 3584	
K. E. Guthertz, Guthertz Mine	28
Mine Index 3585	
Charles Weiters, Dunkle Mine	29
Mine Index 3586	
Fred Quirin & Son, Quirin Mine	30

Mine Index 3587	
Luppans Lumber, Luppans Mine	31
Mine Index 3588	
R. L. Schorr, Schorr Mine	32
Mine Index 3589	
F. C. Morgan Coal Company, Morgan Mine	33
Mine Index 3816	
J. A. Lehman, Lehman Mine	35
Mine Index 4035	
Fred Stitzel, Jr., Stitzel Mine	36
Mine Index 4231	
Schon Coal Company, Schon Mine	37
Mine Index 4275	
Peabody Coal Company, Midwest Hiwall No. 1 Mine	38
Mine Index 4282	
Peabody Coal Company, Douglas Field Mine	39
Mine Index 4283	
High Prairie Coal Company, High Prairie Mine	40
Mine Index 4284	
William Pistor, Pistor Mine	41
Mine Index 4285	
Consolidated Coal Company of St. Louis, Union Mine	42
Mine Index 4301	
George Grossman, Grossman Mine	43
Mine Index 4310	
Dan Muskopf & Company, Muskopf Mine	44
Mine Index 4311	
Wilbert Grossman, Old Grossman Mine	45
Mine Index 4323	
Schubert Coal Company, Schubert Mine	46
Mine Index 4726	
Ed Hettenhausen, Hettenhausen Mine	47
OTHER MINES SHOWN ON MILLSTADT QUADRANGLE	48
Mine Index 4286	48
Mine Index 4287	48
Mine Index 4288	48
Mine Index 4322	48
Mine Index 4500, Henry Stitzel	48
Mine Index 6898	48
MINES WHOSE LOCATIONS ARE NOT KNOWN, MILLSTADT QUADRANGLE	48
INDEX OF MINES IN THE MILLSTADT QUADRANGLE	51

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 alphabetically lists the mines in the quadrangle and summarizes the geology and production history of each mine.

MINING IN THE MILLSTADT QUADRANGLE

The earliest mining in the Millstadt Quadrangle was in Section 25 of T1S-R9W in 1842 (mine index 4301). Most of the underground mines of this area were small compared to those nearer Belleville. The main imprint left by mining here is from the large surface mines that operated from 1940 to 1970 and the Morgan surface-mining operations, which mined a pit for a few years before moving on to another location. These surface mines enlarged earlier small operations, mining through small underground mines so that no trace of these are left.

The Herrin Coal was the only seam mined near Millstadt. The only mine where geologic problems were noted indicated that coal balls were numerous in the roof and that the coal contained many slips. Perhaps the main difficulty in mining in this vicinity was the shallow depth of coal, which could not have lead to stable roof conditions and may have allowed water into the mines. These factors would not have interfered with the surface mining.

PART I EXPLANATION OF MAP AND MINE SUMMARY SHEET

INTERPRETING THE MAP

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

Mine Type and Mining Method

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

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

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

Room and Pillar - mining is divided into six categories:

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

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

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

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

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

SOURCE MAPS

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

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

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

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

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

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

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

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

POINTS AND LABELS

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

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

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



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

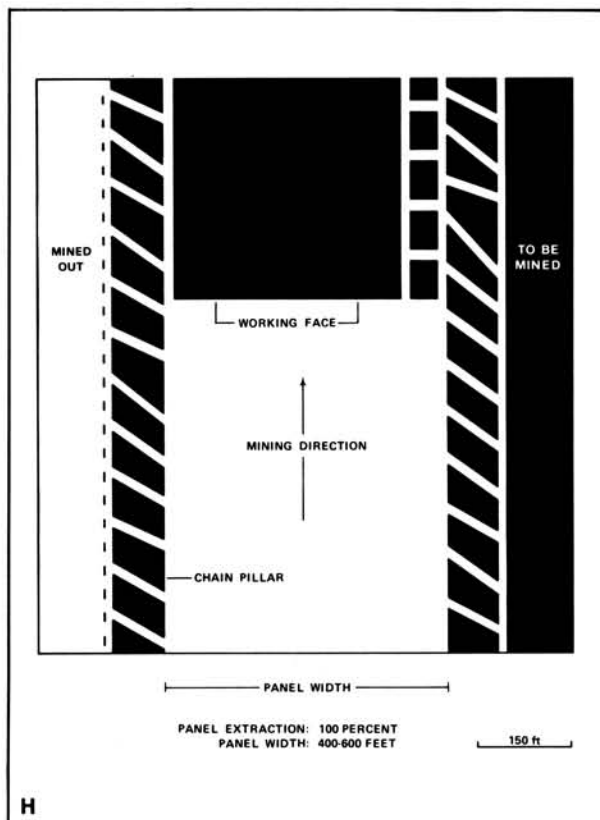
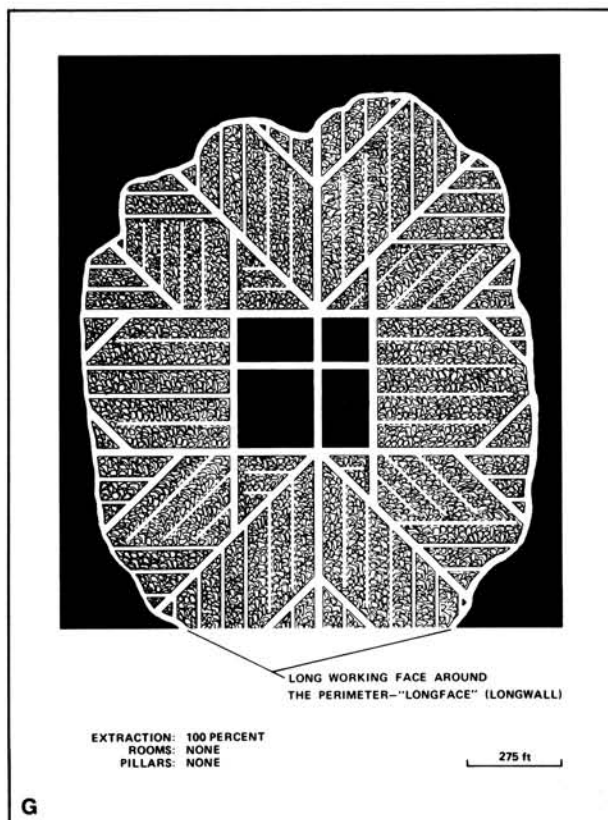
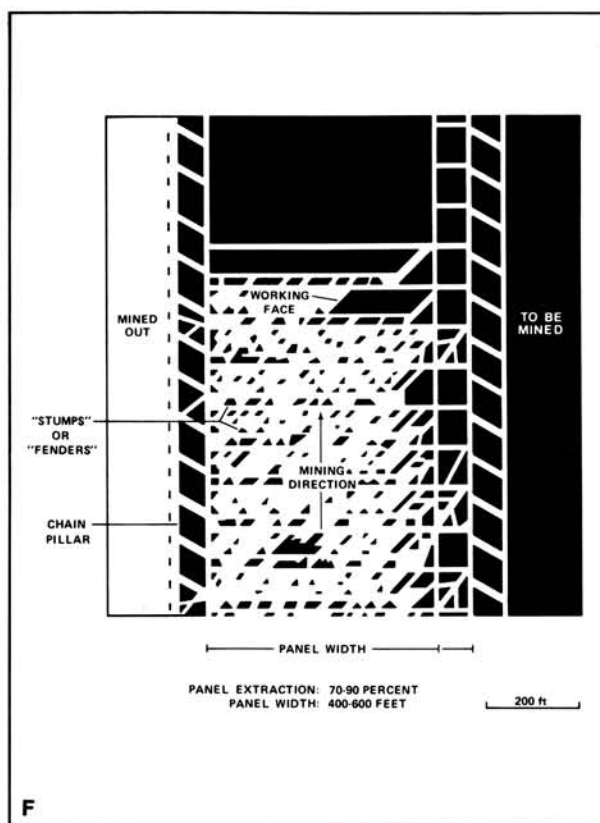
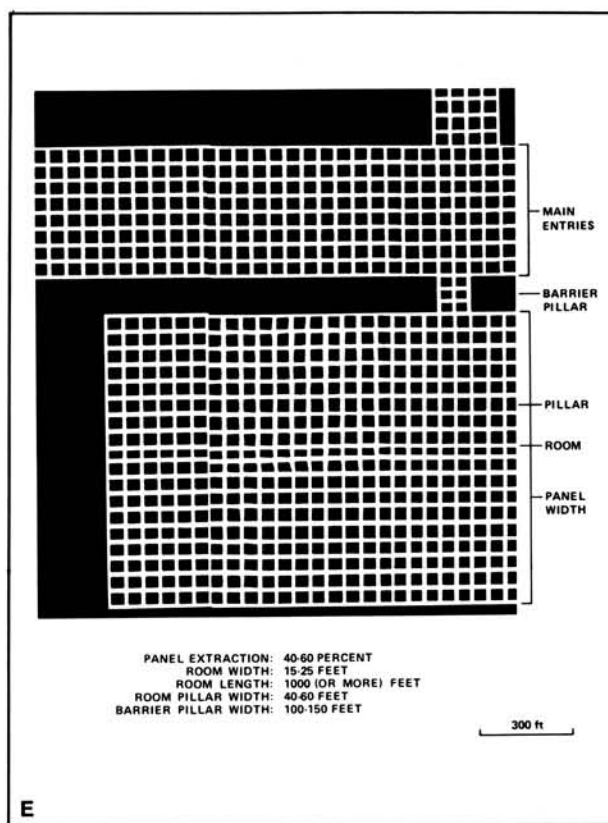


Figure 1 (cont.) Mining methods: (E) checkerboard room and pillar (CRP), (F) high extraction retreat (HER), (G) early (pre-1960) longwall, (H) post-1959 longwall



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

INTERPRETING A MINE SUMMARY SHEET

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

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

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

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

SHAFT, SLOPE, DRIFT OR TIPPLE LOCATIONS

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

GEOLOGY

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

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

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

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

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

PRODUCTION HISTORY

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

SOURCE OF DATA

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

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

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

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

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

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

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

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

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

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

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

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

REFERENCES

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

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.

Wilderman, A. S. & A. A. Wilderman, editors, 1907, Historical Encyclopedia of Illinois and History of St. Clair County, published by Munsell Publishing Company, Chicago.

PART II DIRECTORY OF MINES IN THE MILLSTADT QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Millstadt 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 502

Alcoa Ore Company, Alcoa Mine

Type: Underground Total mined-out acreage shown: 552

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1N 8W	29	NW SW NE
Air shaft	St. Clair	1N 8W	29	NE SE NW
Murphy No. 2 shaft	St. Clair	1N 8W	29	NE NW SE
Air shaft	St. Clair	1N 8W	29	NE NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	51			6.0	MRP

Geologic Problems Reported: The roof shale had a great number of coal balls, up to 18 inches in diameter. Some areas of the mine had many slips.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Frank Murphy	Murphy No. 2	1889-1896	13,900
Frederick Murphy	Branch	1896-1909	177,970
Reeb Coal Company	Murphy	1909-1916	91,944
Radium Coal Company	Radium	1916-1920	326,949
Aluminum Ore Company	Aluminum Ore	1920-1929	1,715,689
Alcoa Ore Company	Alcoa	1929-1932 *	680,585
			3,007,037

* Mine listed "idle" until 1938

Last reported production: March 1932

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351041	3-3-1938	1:2400	1:4634	Final
Microfilm, document 351101	Undated	1:1200	1:1490	Undated

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.

Microfilm map, document 351041, reel 03134, frames 130-132 - Shaft locations, mine outline, mining method.

Microfilm, document 351101, reel 03134, frame 216 - Mine outline, shaft locations (Murphy Mine).

Mine Index 628
Lill Coal Company, Lill Mine

Type: Underground Total mined-out acreage shown: Less than 1; production indicates approximately 3 acres were mined after the map date. This area was later surface-mined by the Midwest Radiant Mine (mine index 682), and the Lill Mine is not shown on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft *	St. Clair	1S 9W	2	NW SW NW

* The source map was drafted very early in this mine's operating span. An air shaft was almost certainly constructed at a later time, but the location is unknown.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	51			6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Lill Coal Company	Lill	1934-1934	2,018
Lill Coal Company	Lill	1934-1939 **	17,155 ***
			19,173

** Changed management / ownership in 1939, but reported under the same name

*** Production after map date

Last reported production: 1939

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351057	7-31-1934	1:1200	1:1986	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.

Microfilm map, document 351057, reel 03134, frame 155 - Shaft location, mine outline, mining method.

Mine Index 653**Peabody Coal Company, Midwest Strip Mine**

Type: Surface Total mined-out acreage shown: 1,103 Production indicates an additional 115 acres were mined after the map date. The area shown is too small for the reported production; production reported for this mine almost certainly includes the production for Midwest Mine No. 3 (mine index 4279) as well as some production for Midwest Radiant No. 1 Mine (mine index 682).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	St. Clair	1N 9W	34	SE NE SW *

* The tipple for Midwest Radiant Fuel Company (mine index 682) was used by Peabody Midwest Mine.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	30			6.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Midwest Radiant Corporation	Midwest Radiant No. 1	1951-1956	3,538,584
Peabody Coal Company	Midwest Strip	1957-1969	9,748,821
Peabody Coal Company	Midwest Strip	1969-1971	1,241,547 **
			14,528,952

** Production after map date

Last reported production: January 1971

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.S31 i5.1-61	3-14-1969	1:12000	1:12000	Not final ***

*** The pits shown on the Freeburg Quadrangle were final; the pits shown on the Millstadt Quadrangle were the more recent mining and are 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.
 Company map, ISGS map library, 4103.S31 i5.1-61 - Mine outline, mining method.

Mine Index 682**Midwest Radiant Fuel Corporation, Midwest Radiant No. 1 Mine**

Type: Surface Total mined-out acreage shown: 1,113 The area shown is larger than expected for the reported production. (The expected size is approximately 650 acres.)

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	St. Clair	1N 9W	34	SE NE SW *

* The tipple for Midwest Radiant Fuel Company was later used by Peabody Midwest Mine (mine index 653).

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	35				Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Midwest Smokeless Fuel Corporation	Midwest	1939-1940	325,275
Midwest Radiant Fuel Corporation	Midwest Radiant No. 1	1940-1950	<u>6,682,142</u>
			7,007,417

Last reported production: 1950 (The 1951 Coal Report stated the mine was abandoned in March 1951, but no production was reported in 1951.)

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Topographic map, Millstadt Quadrangle	1990	1:24000	1:24000	Secondary source
ISGS map library, 4103.S31 i5.1-61	3-14-1969	1:12000	1:12000	Secondary source
Microfilm, document 351018	7-1-1942	1:2400	1:3641	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) - Mine type, tipple location, seam, depth.

USGS (7.5') topographic map, Millstadt Quadrangle - Mine outline.

Company map, ISGS map library, 4103.S31 i5.1-61, map of Midwest Mine (mine index 653) - Mine outline, pit locations, mining method.

Microfilm map, document 351018, reel 03134, frame 93 - Mine outline (SW 35-T1N-R9W).

Mine Index 783**White Rose Coal Company, White Rose Mine**

Type: Underground Total mined-out acreage shown: 119

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1N 8W	29	NE SW SE
Air shaft	St. Clair	1N 8W	29	NE SW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	97-110			6.0-6.5	MRP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Conrad Reeb	Reeb	1895-1901	26,488
Reeb Brothers	Reeb Brothers	1901-1905 *	7,000
Conrad Reeb	Reeb	1905-1906	404
Bretz & Schilling	White Rose	1906-1919	191,859
White Rose Mining Company	White Rose	1919-1924	93,572
Bretz & Schilling	White Rose	1924-1928	67,182
White Rose Coal Company	White Rose	1928-1929	11,351
East Bell Coal Company	White Rose	1929-1937	239,341
White Rose Coal Company	White Rose	1937-1942	94,334
			731,527

* Idle 1904 & 1905

Last reported production: 1942

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.S31 i5.1-22	12-14-1942	1:2400	1:2400	Final
Microfilm, document 351041	3-3-1938	1:2400	1:4634	Secondary source

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.

Company map, ISGS map library, 4103.S31 i5.1-22 - Mine outline, shaft locations, mining method.

Microfilm map, document 351041, reel 03134, frames 130-132, map of Radium Mine (mine index 502) - Mine outline (northwestern).

Mine Index 3533**Victoria Coal Company, Branch Mine**

Type: Underground Total mined-out acreage shown: 207 Production indicates an additional 50 acres were mined that are not accounted for by the acres added by the adjacent mine. Connected underground to White Rose Mine (mine index 783) in SE 29-T1N-R8W and NE 32-T1N-R8W.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1N 8W	28	NW NW SW
Shaft	St. Clair	1N 8W	28	NW NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	54			6.0	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Jacob Krantz	Krantz	1890-1899	160,491
Reeb Coal Company	Branch	1899-1902	64,696
Lake Superior Coal Company	Branch	1902-1905	84,202
L. Senior	Branch	1905-1910	98,583
L. Senior	Branch	1910-1913	94,158 *
Victoria Coal Company	Branch, Victoria No. 1	1913-1924	981,658 *
			1,483,788

* Production after map date

Last reported production: May 1924

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351039	1910	1:1200	1:2317	Not final
ISGS map library, 4103.S31 i5.1-22	12-14-1942	1:2400	1:2400	Secondary source

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.

Microfilm map, document 351039, reel 03134, frame 127 - Shaft locations, mine outline, mining method.

ISGS map library, 4103.S31 i5.1-22, map of White Rose Mine (mine index 783) - Mine outline (western, southern).

Mine Index 3539**South Side Coal Company, South Side Mine**

Type: Underground Total mined-out acreage shown: 266

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1N 8W	33	NW NE NW
Air shaft	St. Clair	1N 8W	33	NW NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	40-75			5.6-7.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
New National Coal & Mining Company	New National	1912-1953	1,808,251
South Side Coal Company	South Side	1953-1953	468
			1,808,719

Last reported production: March 1953

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351176	3-12-1953	1:1200	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, seam, depth, thickness.

Microfilm map, document 351176, reel 03134, frames 324-326 - Shaft locations, mine outline, mining method.

Mine Index 3555
Jacob Mayer, Mayer Mine

Type: Surface Total mined-out acreage shown: None; production indicates approximately 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Mine	St. Clair	1N 9W	26	SW SE SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Jacob Mayer	Mayer	1933-1935	<u>4,283</u> 4,283

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS mine notes	Undated	(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)

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, mine location, seam.

Mine Index 3557**Johnson Coal Company, Johnson Mine**

Type: Underground Total mined-out acreage shown: None; not shown on the accompanying map due to later surface mining by the Douglas Field Mine (mine index 4282).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1S 8W	19	SW NE SE
Air shaft	St. Clair	1S 8W	19	SW NE SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Johnson Coal Company	Johnson	1889 *	

* Johnson was not included in the 1889 Coal Report. The mine may have reported under another name; see the unlocated mines at the back of this report.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
WPA, T1S-R8W	circa 1934 **	1:12000	1:52800	Secondary source

** The mine outline is dated from a survey, extent as of 1-1-1889.

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
WPA map, T1S-R8W - Shaft locations, mine outline, mining method.

Mine Index 3558
Mayer Coal Company, Mayer Mine

Type: Underground Total mined-out acreage shown: Less than 1; production indicates less than 1 acre was mined after the map date. This mine is not shown on the accompanying map due to later surface mining by Midwest Radiant Fuel Corporation (mine index 682).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	St. Clair	1N 9W	35	NW SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	40	6.0	6.3	6.16	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Millstadt Coal Company	Millstadt *	1934-1934	885
Blue Blaze Coal Company	Blue Blaze	1934-1935	1,208
Mayer Coal Company	Mayer	1935-1936	2,247
Mayer Coal Company	Mayer	1936-1938	<u>3,318</u> **
			7,658

* Listed in 1934 Coal Report as "Millstadt Coal Mine"; the company name was assumed to be Millstadt Coal Company, but may have been Blue Blaze Coal Company.

** Production after map date

Last reported production: 1938

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 350989	2-5-1936	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 (St. Clair County) - Mine names, mine index, ownership, years of operation.

Mine notes (St. Clair County) - Mine type, slope location, seam, depth, thickness.

Microfilm map, document 350989, reel 03134, frame 57 - Slope location, mine outline, mining method.

Mine Index 3559**Louis Buecher & Harry Baltz, Bauer Mine**

Type: Underground Total mined-out acreage shown: Less than 1; production indicates less than 1 acre was mined after the map date. This mine is not shown on the accompanying map due to later surface mining by Midwest Radiant Fuel Corporation (mine index 682).

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	St. Clair	1N 9W	35	NW cor NE SW NW
Air shaft	St. Clair	1N 9W	35	NW cor NE SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin					RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Bauer	Bauer	1932-1932	unknown *
Louis Buecher & Harry Balz	Bauer	1933-1933	<u>1,257</u> **
			1,257

* No production reported under the name of Bauer in 1932. Production was not listed for mines producing less than 1,000 tons per year from 1930 to 1933; Bauer may have been one of these. The operator name is from the mine map.

** Production after map date

Last reported production: 1933

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351069	4-6-1932	1:1200	1:1242	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, slope location, seam.

Microfilm map, document 351069, reel 03134, frame 171 - Slope & shaft locations, mine outline, mining method.

Mine Index 3572
Northern Coal Company, Northern Mine

Type: Surface Total mined-out acreage shown: 36

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	St. Clair	1S 8W	7	SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	6-30			6.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Fisher Fuel Company	Fisher	1912-1914	51,375
Northern Coal Company	Northern	1914-1917	<u>202,416</u> 253,791

Last reported production: 1917

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Federal Land Bank Repot	5-1934	1:124320	1:124320	Secondary source

Annotated Bibliography (data source, brief description of information)

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

Mine Index 3575**Clarence Mayer, Mayer Mine**

Type: Surface Total mined-out acreage shown: None; not shown on accompanying map due to later enlargement of the pit by surface mining of the Morgan mines (mine index 3589). Production indicates between 2 and 3 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	St. Clair	1S 8W	19	NW SW SW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Clarence Mayer	Mayer	1935-1936	7,751
Clarence Mayer	Mayer	1936-1936	3,813 *
			11,564

* Production after map date

Last reported production: 1936

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351023	1-28-1936	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, mine location, seam.

Microfilm map, document 351023, reel 03134, frame 102 - Mine location, mine outline, mining method.

Mine Index 3577**Millstadt Coal Company, Millstadt Mine**

Type: Underground Total mined-out acreage shown: 28 Production indicates an additional 28 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1S 9W	16	SW NW NE
Air shaft	St. Clair	1S 9W	16	SW NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	42-48			5.5-6.5	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Millstadt Coal & Mining Company	Millstadt	1884-1895	129,459
Millstadt Coal & Mining Company	Millstadt	1895-1897	28,249 *
Millstadt Coal Company	Millstadt	1897-1904	110,394 *
			268,102

* Production after map date

Last reported production: 1904

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351015	7-1895	1:960	1:1457	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 (St. Clair County) - Mine names, mine index, ownership, years of operation.

Microfilm map, document 351015, reel 03134, frame 89 - Shaft locations, mine outline, mining method.

Mine Index 3578**Diamond Joe Coal Company, Diamond Joe No. 1 Mine**

Type: Underground Total mined-out acreage shown: None; not shown on accompanying map due to later surface mining by the Morgan mines (mine index 3589). Production is included with Diamond Joe No. 2 Mine (mine index 3579).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	St. Clair	1S 9W	14	SE SE NW
Air shaft	St. Clair	1S 9W	14	SE SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin					RPB

Geologic Problems Reported: Rooms in the northern part of the mine were labeled "caved" on the source map.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Diamond Joe Coal Company	Diamond Joe No. 1	(see index 3579) *	

* It was not possible to determine the separate production and years of operation of the No. 1 and No. 2 Mines, and this data is shown on the page for the No. 2 Mine (mine index 3579).

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351156	1-21-1910	1:960	1:1192	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 (St. Clair County) - Mine names, mine index, ownership, years of operation.

Microfilm map, document 351156, reel 03134, frame 296 - Slope & air shaft locations, mine outline, mining method.

Mine Index 3579**Diamond Joe Coal Company, Diamond Joe No. 2 Mine**

Type: Underground Total mined-out acreage shown: None; not shown on accompanying map due to later surface mining by the Morgan mines (mine index 3589). Production indicates approximately 8 acres were mined by the two mines.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	St. Clair	1S 9W	10	SW SE SW
Air shaft	St. Clair	1S 9W	10	SW SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	20-60			6.0	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Richard Grossman	Grossman	1904-1905	975
Diamond Joe Coal Company	Diamond Joe No. 1 & No. 2	1905-1916	<u>43,862</u> 44,837

Last reported production: 1916

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351115	9-5-1913	1:1200	1:1200	Not final
WPA, T1S-R9W	9-5-1913	1:12000	1:12000	Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

Microfilm map, document 351115, reel 03134, frame 295 - Slope & shaft, mine outline, mining method.

WPA map, T1S-R9W - Mine location.

Mine Index 3580**J. Donnehold, Donnehold Mine**

Type: Underground Total mined-out acreage shown: 1

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	St. Clair	1S 9W	15	NW NW NW
Air shaft	St. Clair	1S 9W	15	NW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin					RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
J. Donnehold	Donnehold	1926 *	

* Production and years of operation are unknown. The date shown is the map date. The 1926 Coal Report did not list any mines at Millstadt that are not associated with other mine index numbers. Donnehold may have opened and closed in 1926, and so was not reported.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351148	8-26-1926	1:1200	1:993	Not final

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
Microfilm map, document 351148, reel 03134, frame 288 - Drift & air shaft locations, mine outline, mining method.

Mine Index 3581
William Pistor, Pistor Mine

Type: Underground Total mined-out acreage shown: 2; production indicates approximately 9 acres were mined. A 7-acre general area of mining has been added to the accompanying map to indicate the expected extent of the mine. The source map may be incomplete rather than final, or some of the mining may have occurred at another location.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1S 9W	9	SE SE SE
Air shaft	St. Clair	1S 9W	9	SE SE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	30-65			5.0-6.0	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
John C. Schmit	Schmit	1892-1895	1,076
William Pistor	Pistor	1895-1909	<u>46,308</u>
			47,384

Last reported production: 1909

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351152	8-27-1910	1:1200	1:1322	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 locations, seam, depth, thickness.
 Microfilm map, document 351152, reel 03134, frame 292 - Shaft locations, mine outline, mining method.

Mine Index 3583**C. R. Luster & Son, Luster Mine**

Type: Surface Total mined-out acreage shown: 22; production indicates approximately 10 acres were mined. The western pit is not shown separately on the accompanying map, since the Morgan mines (mine index 3589) later enlarged on this pit.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit (western)	St. Clair	1S 9W	14	SE NE
Pit (eastern)	St. Clair	1S 9W	13	S 1/2 SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	20-28				Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
M. B. Watland	Watland	1934-1934	2,144
C. R. Luster & Son	Luster	1935-1939	<u>94,875</u>
			97,019

Last reported production: 1939

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
WPA, T1S-R9W	9-20-1938	1:12000	1:52800	Secondary source
Coal Section files	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (St. Clair County) - Mine type, mine location, seam, depth, thickness.

WPA map, T1S-R9W - Mine outline (western pit).

Coal Section files, undated work map on USGS topographic map, Waterloo (15') Quadrangle - Mine location, (eastern pit), mine type.

Mine Index 3584**K. E. Guthertz, Guthertz Mine**

Type: Underground Total mined-out acreage shown: 2; not shown on accompanying map due to later surface mining by the Morgan mines (mine index 3589).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	St. Clair	1S 9W	14	SW SE NW
Air shaft	St. Clair	1S 9W	14	SW SE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin				5.33	MRP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
K. E. Guthertz	Guthertz	1927-1937	<u>10,737</u> *
			10,737

* Production not reported 1930-1933 for mines producing less than 1,000 tons per year

Last reported production: 1937

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351056	4-11-1937	1:1200	1:1200	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (St. Clair County) - Mine type, slope location, seam, depth, thickness.

Microfilm map, document 351056, reel 03134, frame 154 - Slope & shaft locations, mine outline, mining method.

Mine Index 3585
Charles Weitzers, Dunkle Mine

Type: Surface Total mined-out acreage shown: None; production indicates less than 1 acre was mined. This mine is not shown on the accompanying map due to later surface mining by Morgan mines (mine index 3589).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	St. Clair	1S 9W	14	SW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	18-20			6.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Charles Weitzers	Dunkle	1934-1934	900 900

* The source map indicated this mine was also known as Dunkle Coal Company, but no mine of this name was listed in the annual Coal Reports.

Last reported production: 1934

SOURCES OF DATA

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

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
 Mine notes (St. Clair County) - Mine location, seam, depth, thickness.
 ISGS mined-out area map, Area 27 - Mine location.
 Coal Section files, undated work map on USGS topographic map, Waterloo (15') Quadrangle - Mine location, mine type.

Mine Index 3586
Fred Quirin & Son, Quirin Mine

Type: Underground Total mined-out acreage shown: None; not shown on accompanying map due to later surface mining by the Morgan mines (mine index 3589). Production indicates approximately 7 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	St. Clair	1S 8W	19	SW NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	18-60			6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
George Grossman	Grossman	1883-1892	6,031 *
Lewis Grossman	Grossman	1892-1903	10,883
Fred Irwin	Grossman	1903-1905	1,475
Louis Grossman	Grossman	1905-1906	1,000
Fred Quirin & Son	Grossman	1908-1908 **	400
August Murkoff	Grossman	1909-1910	140
Fred Quirin & Son	Quirin	1910-1920	<u>19,875</u>
			39,804

* Idle July 1885 to June 1886

** Idle July 1906 to June 1908

Last reported production: 1920

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351004	3-1889	1:960	1:960	Not final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, mining method.
 Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
 Microfilm map, document 351004, reel 03134, frame 76 - Slope location.

Mine Index 3587
Luppans Lumber, Luppans Mine

Type: Underground Total mined-out acreage shown: 2; production indicates approximately 1 acre was mined after the map date. The source map appears to be incomplete, not showing the complete east side of the mine. However, this area was later surface mined by Morgan mines (mine index 3589), so the outline is coded "Not final" rather than "Incomplete".

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1S 9W	16	NE SE NE
Air shaft	St. Clair	1S 9W	15	NW SW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	45-47			5.83-6.25	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Lippert Brothers	Lippert	1915-1915	280
A. J. Marxer	Marxer	1915-1921	19,785
A. J. Marxer	Marxer	1921-1923	2,640 *, **
Luppans Lumber	Luppans	1923-1924	600 **
			23,305

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

** Production after map date

Last reported production: 1924

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351135	8-16-1921	1:1200	1:1200	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.
 Microfilm map, document 351135, reel 03134, frame 272 - Shaft locations, mine outline, mining method.

Mine Index 3588**R. L. Schorr, Schorr Mine**

Type: Surface Total mined-out acreage shown: None; production indicates approximately 1 acre was mined. The area mined by Schorr cannot be distinguished from the later enlargement of the pit by Morgan mines (mine index 3589).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple / pit	St. Clair	1S 9W	15	NW NE NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	18-20			6.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
R. L. Schorr	Schorr	1931-1931	1,080
A. D. Schorr	Schorr	1932-1932	2,659
R. L. Schorr	Schorr	1934-1935	<u>1,340</u>
			5,079

Last reported production: 1935

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351172	5-5-1953	1:1200	1:1200	Secondary source

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, mine location, seam, depth, thickness.

Microfilm map, document 351172, reel 03134, frame 318, map of Morgan Mines (mine index 3589) - Mine outline, mining method.

Mine Index 3589**F. C. Morgan Coal Company, Morgan Mine**

Type: Surface Total mined-out acreage shown: 678

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Tipple	St. Clair	1S 9W	10	SE SW SW *

* Several other tipples were probably used, but their locations are unknown.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	38-50	5.0	7.0	6.0	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
F. C. Morgan Coal Company	Morgan	1933-1961	4,762,825 **

** Fred C. Morgan's surface mining operations in St. Clair County took place between 1933 and 1961. Yearly production figures were collected from the tipple, not individual pits. The production was identified in the annual Coal Reports as L-1, L-2, L-5, L-30, L-80, L-83, L-84, L-89, L-91 and L-92, but these production figures cannot be linked to a mined location. Evidence indicates that most pits were mined for one or two years and then new pits were opened elsewhere, still reporting under one identity number (such as L-89). The ISGS formerly gave these pits eight different index numbers based on location, but since production cannot be tied to the location, all Morgan production and pits will be called mine index 3589 and the other index numbers will be re-assigned to previously unknown mines.

Last reported production: 1961

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351165	6-2-1954	1:2400	1:1986	Not final
Microfilm, document 351169	5-8-1952	1:1200	1:1324	Final
Microfilm, document 351170	5-8-1952	1:1200	1:1200	Final
Microfilm, document 351171	4-7-1953	1:2400	1:2152	Not final
Microfilm, document 351172	5-8-1953	1:1200	1:1200	Not final
Microfilm, document 350982	5-9-1950	1:2400	1:2400	Final
Company, 6-271	7-1959	1:42240	1:42240	Not final
Company, 6-271	7-1959	1:42240	1:42240	Not final
Company, 6-271	7-1959	1:42240	1:42240	Final
Company, 6-271 (tracing)	Undated	1:12068	1:12068	Undated
ISGS mined-out area compilation	1950	1:62500	1:62500	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, seam, depth, thickness.
 Microfilm map, document 351165, reel 03134, frame 308 - Mine outline (pit, SE SE 12-T1S-R9W).
 Microfilm map, document 351169, reel 03134, frame 315 - Mine outline (SE NE 27-T1S-R9W; final, worked out 9-

1951).

Microfilm map, document 351170, reel 03134, frame 316 - Mine outline (NE 22-T1S-R9W; final, worked out 11-1951).

Microfilm map, document 351171, reel 03134, frame 317 - Mine outline (N ½ NE 18-T1S-R8W).

Microfilm map, document 351172, reel 03134, frame 318 - Mine outline (SW 10-T1S-R9W).

Microfilm map, document 350982, reel 03134, frame 47 - Mine outline (SE 14-T1S-R9W & NE 22-T1S-R9W).

Company map (sketches), Coal Section files, 6-271 - Mine outlines.

1959 sketch map - 10 (SW), 12 (SE), 16 (NW & NE), T1S-R9W

1959 sketch map - 30-T1S-R8W

1959 sketch map - NE 26-T1N-R9W

Undated map - Extensions of outlines in NW 18-T1S-R8W; 14, 15 (NW), 19 (SW), 24 (E ½) - T1S-R9W

ISGS mined-out area map, 1950 - Mine outline (NW 34-T1N-R9W).

Mine Index 3816**J. A. Lehman, Lehman Mine**

Type: Underground Total mined-out acreage shown: None; production indicates less than 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1S 8W	18	NW NW NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
J. A. Lehman	Lehman	1934-1934	<u>796</u> 796

Last reported production: 1934

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files, work map	Undated	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Coal Section files, undated work map on USGS topographic map, Waterloo (15') Quadrangle - Mine location, mine type.

Mine Index 4035
Fred Stitzel, Jr., Stitzel Mine

Type: Underground Total mined-out acreage shown: None; production indicates less than 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	St. Clair	1S 8W	7	SW SE SW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Fred Stitzel, Jr.	Stitzel	1931-1934	160 *
			160

* Production not reported for mines producing less than 1,000 tons per year from 1930 to 1933.

Last reported production: 1934

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS map library, 4107 d5.1-195	1931	1:62500	1:62500	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
 ISGS map library, 4107 d5.1-195, sheet 62 - Mine location.
 ISGS field notes (St. Clair County) - Mine type, ownership, seam.

Mine Index 4231
Schon Coal Company, Schon Mine

Type: Underground Total mined-out acreage shown: 2; production indicates approximately 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1S 9W	10	SW SW SW
Air shaft	St. Clair	1S 9W	10	SW SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	45			6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Lippert & Shore	Lippert & Shore	1916-1917	2,652
William Baer	Baer	1917-1918	1,096
Schorer Coal Company	Schorer	1918-1919	1,912
William Baer	Baer	1919-1920	2,809 *
Schon Coal Company	Schon	1920-1923	5,212 *, **
			13,681

* Production after map date

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

Last reported production: 1923

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351136	6-1919	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 (St. Clair County) - Mine names, mine index, ownership, years of operation.

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

Microfilm map, document 351136, reel 03134, frame 273 - Shaft locations, mine outline, mining method.

Mine Index 4275**Peabody Coal Company, Midwest Hiwall No. 1 Mine**

Type: Underground Total mined-out acreage shown: 105

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	St. Clair	1N 8W	31	NE SW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	55			6.5	RP

Geologic Problems Reported:**PRODUCTION HISTORY**

Company	Mine Name	Years	Production (tons)
Peabody Coal Company	Midwest Hiwall No. 1	1962-1965	<u>636,678</u> 636,678

Last reported production: March 1965

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.S31 i5.1-61	3-14-1969	1:12000	1:12000	Final

Annotated Bibliography (data source, brief description of information)

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

Company map, ISGS map library, 4103.S31 i5.1-61 - Drift location, mine outline.

Mine Index 4282**Peabody Coal Company, Douglas Field Mine**

Type: Surface Total mined-out acreage shown: 134

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	St. Clair	1S 8W	29	NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Peabody Coal Company	Douglas Field *		

* This mine is part of Peabody Coal Company's Midwest Mine (mine index 653). The production and years of operation are within those recorded for the Midwest Mine (1951-1971).

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Company, 4103.S31 i5.1-61	3-14-1969	1:12000	1:12000	Not final

Annotated Bibliography (data source, brief description of information)

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

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

Company map, ISGS map library, 4103.S31 i5.1-61 - Mine outline, mining method.

Mine Index 4283**High Prairie Coal Company, High Prairie Mine**

Type: Surface Total mined-out acreage shown: 8; production indicates less than 1 acre was mined.
The area was later enlarged by surface-mining by Morgan mines (mine index 3589), and is not shown as a separate entity on the accompanying map.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	St. Clair	1S 9W	24	NE NE SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
High Prairie Coal Company	High Prairie	1932-1932	<u>2,760</u> 2,760

Last reported production: 1932

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
WPA, T1S-R9W	ca. 1934	1:12000	1:52800	Secondary source

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.

WPA map, T1S-R9W - Mine outline, mining method.

Mine Index 4284
William Pistor, Pistor Mine

Type: Underground Total mined-out acreage shown: 1; production indicates an additional 2 acres were mined after the map date. The outline on the source map is smaller than expected for the tonnage produced (expected size would be approximately 4 acres).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1S 9W	10	NE SW SW
Air shaft	St. Clair	1S 9W	10	NE SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	30-65			5.0-6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
William Pistor	Pistor	1909-1910	5,604
Lippert Brothers (lessees)	Lippert	1910-1912	11,620
Pistor & Lippert	Pistor & Lippert	1912-1913	4,819
Pistor & Lippert	Pistor & Lippert	1913-1915	7,335 *
William Pistor	Pistor	1915-1917	<u>5,272 *</u>
			34,650

* Production after map date

Last reported production: 1917

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351158	9-2-1913	1:1200	1:1324	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 locations, seam, depth, thickness.
 Microfilm map, document 351158, reel 03134, frame 298 - Shaft locations, mine outline, mining method.

Mine Index 4285**Consolidated Coal Company of St. Louis, Union Mine**

Type: Underground Total mined-out acreage shown: 15; production indicates approximately 10 acres were mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1S 9W	15	NW NW NW
Air shaft	St. Clair	1S 9W	15	NW NW NW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	45-55			5.5-6.5	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Union Coal Company	Union	1883-1884	120
Millstadt Union Coal Company	Union	1884-1887	27,377
Union Coal Company	Union	1887-1889	38,042
Union Coal Company	Union	1889-1889	5,958 *
Millstadt Union Coal Company	Union	1889-1890	15,753 *
Union Coal Company	Union	1890-1892	18,244 *
Consolidated Coal Company of St. Louis	Union	1892-1893	3,048 *
			<u>108,542</u>

* Production after map date

Last reported production: 1893

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351014	4-5-1889	1:960	1:1457	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 (St. Clair County) - Mine names, mine index, ownership, years of operation.

Mine notes (St. Clair County) - Mine type, shaft locations, seam.

Microfilm map, document 351014, reel 03134, frame 88 - Shaft locations, mine outline, mining method.

Mine Index 4301
George Grossman, Grossman Mine

Type: Underground Total mined-out acreage shown: None.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main drift	St. Clair	1S 9W	25	unknown *

* An "uncertain location" point is used to designate the mine on the accompanying map, but the mine could be anywhere in section 25 regardless of the point location shown.

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin				6.5	

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Andrew Pfeiffer	Pfeiffer	1842- **	
George Grossman	Grossman		

** The production and years of operation are unknown. Only the opening year is known.

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
History of St. Clair County	1907	(text only)	1:24000 ***	Secondary source

*** Point plotted onto 1:24,000 USGS topographic map and digitized.

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
 Historical Encyclopedia & History of St. Clair County - General mine location, mine type, thickness, opening year, ownership.

Mine Index 4310**Dan Muskopf & Company, Muskopf Mine**

Type: Underground Total mined-out acreage shown: None; production indicates approximately 2 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main shaft	St. Clair	1S 9W	16	NE NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin	48			6.0	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Teuerhahn, Muskopf & Company	Teuerhahn & Muskopf	1880-1883	unknown *
Feurhan & Muskopf	Feurhan & Muskopf	1883-1887	7,296
Dan Muskopf & Company	Muskopf	1887-1890	4,456
			11,752

* Production for this period is unknown; the mine was not listed in 1882 and may have been idle.

Last reported production: 1890

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Standard Atlas of St. Clair County	1901	1:6670	1:6670	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation, seam, depth, thickness, mining method.
 Directory of Illinois Coal Mines (St. Clair County) - Mine names, mine index, ownership, years of operation.
 Standard Atlas of St. Clair County, Illinois, published by Geo. A. Ogle & Co., Chicago, 1901 - Shaft location.
 Historical Encyclopedia of Illinois & History of St. Clair County, A. S. Wilderman & A. A. Wilderman, editors, Munsell Publishing Company, Chicago, 1907 - Opening year, ownership.

Mine Index 4311**Wilbert Grossman, Old Grossman Mine**

Type: Underground Total mined-out acreage shown: Approximately 1 acre; less than 1 acre was mined after the map date.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	St. Clair	1S 8W	19	NW NW SE
Air shaft	St. Clair	1S 8W	19	NW NW SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin				6.5	RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Wilbert Grossman	Old Grossman	1934-1935	2,076
Wilbert Grossman	Old Grossman	1936-1940	4,208 *
			6,284

* Production after map date

Last reported production: 1940

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351067	1-30-1936	1:1200	1:994	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 locations, seam, depth, thickness.

Microfilm map, document 351067, reel 03134, frame 168 - Slope and shaft locations, mine outline, mining method.

Mine Index 4323**Schubert Coal Company, Schubert Mine**

Type: Surface Total mined-out acreage shown: None; production indicates less than 1 acre was mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	St. Clair	1S 9W	11	SW NW NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Schubert Coal Company	Schubert	1934-1934	<u>1,179</u> 1,179

Last reported production: 1934

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Coal Section files, work map	Undated	1:62500	1:62500	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.

Coal Section files, work map on Waterloo (15') Quadrangle topographic map - Mine location.

Mine Index 4726
Ed Hettenhausen, Hettenhausen Mine

Type: Underground Total mined-out acreage shown: 1

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	St. Clair	1S 9W	14	SE SE NE
Air shaft	St. Clair	1S 9W	14	SE SE NE
Air shaft	St. Clair	1S 9W	14	SW SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Herrin					RPB

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Ed Hettenhausen	Hettenhausen	1926-1927 *	<u>3,633</u> 3,633

* The source map states that the mine was abandoned due to flooding. Some of the workings were flooded and inaccessible at the time of the survey. However, the outline on the accompanying map is the approximate size expected from the production. No production was reported for 1928.

Last reported production: 1927

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 351055	5-19-1928	1:2400	1:1986	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.

Microfilm map, document 351055, reel 03134, frame 153 - Slope & shaft locations, mine outline, mining method.

OTHER MINES SHOWN ON MILLSTADT QUADRANGLE

Mine Index 4286 SE SE SE 21-T1S-R9W source: Federal Land Bank Report (5-1934)
 Mine Index 4287 NW SE SE 21-T1S-R9W source: Federal Land Bank Report (5-1934)
 Mine Index 4288 SE SE SW 9-T1S-R9W source: Federal Land Bank Report (5-1934)
 Mine Index 4322 SW NW NW 11-T1S-R9W, abandoned prospect pit source: ISGS field notes (H. R. Wanless, 8-31-1931)
 Mine Index 4500, Henry Stitzel SE SW SW 7-T1S-R8W source: ISGS map library, 4107 d5.1-195 sheet 62; ISGS field notes (H. R. Wanless), 8-21-1931
 Mine Index 6898 NW SE SE 26-T1N-R9W, slope source: Federal Land Bank Report (5-1934)

MINES WHOSE LOCATIONS ARE NOT KNOWN, MILLSTADT 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 mines listed below mined in or near the Millstadt Quadrangle. The information 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: coal seam mined, 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 827,982 (811,172 underground, 5,050 from surface mining, and 11,760 from uncertain method), which would represent approximately 130 to 210 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

BELLEVILLE

Taylor (Henry), pre1881-1882, shaft, Herrin, 90, 6.5	10,000 tons
Smith (G. F.), pre1881-1883, shaft, Herrin, 120-130, 6.5	17,168 tons
Grantz & Company, pre1881-1882, shaft, Herrin, 90, 6.5	5,084 tons
Hazard, Wilson & Company, 1882-1883, shaft, Herrin, 100-140, 6.5-8.5, RP	30,075 tons
Enterprise Coal Mining Company, 1883-1886	27,130 tons
Consolidated Coal Company of St. Louis, Enterprise Mine, 1886-1888	20,534 tons
Enterprise Coal Company, 1889-1892	18,284 tons
Gast (Joseph), 1892-1893	<u>5,168 tons</u>
	101,191 tons
Philips & Weber leased the Enterprise Mine from 1886 to 1888.	
Gellwicks & Richards, 1882-1883, shaft, Herrin, 40-60, 6.0-6.5, RP	7,000 tons
Gelwicks (G. B.), 1883-1886	14,536 tons
Gelwicks & Herlback, 1886-1887	3,400 tons
Gelwick (George), 1887-1889	<u>6,215 tons</u>
	31,151 tons
Sertel (John), pre1881-1882, shaft, Herrin, 80, 6.5	500 tons
Padfield & Company, pre1881-1883, shaft, Herrin, 55-90, 6.0	1,400 tons
Taylor (Henry), pre1881-1883, shaft, Herrin, 80-100, 6.0-6.5	13,000 tons
Taylor (John), pre1881-1883, shaft, Herrin, 90, 6.0	5,000 tons
Hoard (John), pre1881-1883, slope, Herrin, 50, 7.0	5,350 tons
Reiher (George), 1882-1883, —, Herrin, 86, 6.0	4,000 tons

Winder (John) & Company, pre1882-1883, shaft, Herrin, 40, 6.0	300 tons
Knous & Company, 1883-1884, slope, Herrin, 35-120, 6.0, RP	200 tons
Knous (Joseph) & Brother, 1884-1885	12,680 tons
Knous Brothers, 1885-1886	<u>14,980</u> tons
	27,860 tons
Reeb (Peter), 1883-1884, slope, Herrin, 40-110, 2.5-7.0	1,182 tons
Simeson & Company, 1882-1883, slope, Herrin, 100, 7.0	200 tons
Seib & Company, pre1882-1883, shaft, Herrin, 120, 6.0	7,100 tons
Liehl (John), 1882-1883, shaft, Herrin, 60, 6.0	800 tons
Seiberd (George), 1882-1883, drift, Herrin, —, 6.0	300 tons
Rubble (William), 1883-1886, shaft, Herrin, 90, 6.0, HER The tonnage was produced by pulling pillars of an older mine.	17,160 tons
Harst (John), 1884-1886, shaft, Herrin, 55, 6.5-7.5, RP	5,220 tons
Drexel & Johnson, 1886-1887	3,000 tons
Hurst (Thomas), 1887-1889	2,750 tons
Harst (John), 1889-1906	<u>67,583</u> tons
	78,553 tons
Lill (Jacob), 1884-1885, shaft, Herrin, 45, 6.0, RP	860 tons
Bee (John H.), shaft, Herrin, 130, 6.5, RP	960 tons
Maddox & Son, 1888-1889	4,730 tons
Dickinson & Jones, 1888-1889	518 tons
Lill & Schinider, 1887-1889	2,200 tons
Taylor (Henry), 1888-1889	1,000 tons
Betts, Richard & Company, 1888-1889	900 tons
Pittsburg Mining Company, 1887-1891, shaft, Herrin, 132, 6.5, RP	47,480 tons
Macke (Christ C.), 1889-1890	800 tons
Abend No. 2 Mine, 1889-1890, shaft, Herrin, 60-90, 6.0-8.0, RP	1,600 tons
Groom Brothers, No. 2 Mine, 1890-1891	5,150 tons
Brosius Brothers (John & Charles), 1891-1896	<u>14,400</u> tons
	21,150 tons
Rebel Mine, 1889-1890, shaft, Herrin, 60-66, 6.0-6.5, RP	1,440 tons
Weiss (Nicholas), 1890-1901	<u>23,006</u> tons
	24,446 tons
St. George Coal Mining Co., 1890-1891, shaft, Herrin, 70-120, 6.0-6.5, RP	280 tons
Branch (George H.), 1891-1893	<u>5,461</u> tons
	5,741 tons
Crown Coal & Tow Company, No. 3 Mine, 1894-1895	Not reported
Crown Coal & Tow Company, No. 4 Mine, 1895-1896 shaft, Herrin, 125-150, 6.0-7.0, RP	236,997 tons
Massie Coal Company, No. 2 Mine, 1895-1898, shaft, Herrin, 90, 6.0, RP	69,827 tons
Georgetown Road Coal Company, 1901-1904, shaft, Herrin, 66, 6.0, RP	7,000 tons

Branch (John), 1905-1906, drift, Herrin, 50, 6.0, RP	1,000 tons
Bosanko (Alfred), 1915-1917, slope, Herrin, 40, 6.0, RP	1,775 tons
Grimming (Wendel), 1924-1925	348 tons
Dahm (Alfred), 1935-1935, underground	2,030 tons
Pannier (L.) & Son, 1935-1935, surface	50 tons

MILLSTADT

St. Louis & High Prairie Coal Company, 1884-1890, shaft, Herrin, 40, 5.5, RP	19,106 tons
Smith Brothers, 1898-1901, drift, Herrin, 20, 6.0	1,614 tons
Schmidt (George), 1901-1902	340 tons
Smith (Joseph), 1902-1903	500 tons
Schmidt (George), 1903-1908	<u>1,845</u> tons
	4,299 tons
Hartman (William), 1905-1906, shaft, Herrin, 45, 6.0, RP	2,000 tons
Hartman Brothers, 1906-1908	6,696 tons
Muskopf (Dan), 1908-1909	<u>1,280</u> tons
	9,976 tons
Ahrens (William), 1910-1912, slope, Herrin, 65, 5.0, RP	2,710 tons
Weisner (Fred), 1912-1914	<u>1,940</u> tons
	4,650 tons
Enterprise Coal Company, 1918-1919	600 tons
Stehlick, Mayer & Stehlick, 1933-1933, surface	5,000 tons

RIDGE PRAIRIE

Taylor (J.), 1885-1886, shaft, Herrin, —, 6.5, RP	500 tons
---	----------

SMITHTON

Johnson (Benjamin), 1883-1891, —, Herrin, 30-70, 6.0-6.5, RP	4,545 tons
Frazier (George), 1891-1892	1,500 tons
Johnson (Benjamin), 1892-1905	15,353 tons
Johnson (Berry), 1905-1906	986 tons
Johnson (Arthur), 1906-1908	<u>2,290</u> tons
	24,674 tons
Hepp (Ed), 1926-1926	496 tons
Quirin (Fred) Coal Company, 1926-1926	768 tons
Cross (Gilbert), 1928-1928, underground	802 tons

INDEX OF MINES IN THE MILLSTADT QUADRANGLE

Abend No. 2 Mine	49
Ahrens (William)	50
Alcoa Ore Company	9
Aluminum Ore Company	9
Baer (William)	37
Balz (Harry)	19
Bee (John H.)	49
Betts, Richard & Company	49
Blue Blaze Coal Company	18
Bosanko (Alfred)	50
Branch (George H.)	49
Branch (John)	49
Branch Mine	9, 14
Bretz & Schilling	13
Brosius Brothers (John & Charles)	49
Buecher (Louis)	19
Buecher & Balz	19
Consolidated Coal Company of St. Louis, Enterprise Mine	48
Consolidated Coal Company of St. Louis, Union Mine	42
Cross (Gilbert)	50
Crown Coal & Tow Company, No. 3 Mine	49
Crown Coal & Tow Company, No. 4 Mine	49
Dahm (Alfred)	50
Diamond Joe Coal Company, No. 1 Mine	23
Diamond Joe Coal Company, No. 2 Mine	24
Dickinson & Jones	49
Donnehold (J.)	25
Drexel & Johnson	49
Dunkle Coal Company	29
Dunkle Mine	29
East Bell Coal Company	13
Enterprise Coal Company	48, 50
Enterprise Coal Mining Company	48
Feurhan & Muskopf	44
Fisher Fuel Company	20
Frazier (George)	50
Gast (Joseph)	48
Gellwicks & Richards	48
Gelwick (George)	48
Gelwicks (G. B.)	48
Gelwicks & Herlback	48
Georgetown Road Coal Company	49
Grantz & Company	48
Grimming (Wendel)	50
Groom Brothers, No. 2 Mine	49
Grossman (George)	30, 43
Grossman (Lewis)	30
Grossman (Louis)	30
Grossman (Richard)	24
Grossman (Wilbert)	45
Gutherz (K. E.)	28
Harst (John)	49
Hartman (William)	50
Hartman Brothers	50
Hazard, Wilson & Company	48
Hepp (Ed)	50
Herlback (Gelwicks & Herlback)	48
Hettenhausen (Ed)	47
High Prairie Coal Company	40
Hoard (John)	48
Hurst (Thomas)	49
Irwin (Fred)	30
Johnson (Arthur)	50

Johnson (Benjamin)	50
Johnson (Berry)	50
Johnson (Drexel & Johnson)	49
Johnson Coal Company	17
Jones (Dickinson & Jones)	49
Knous (Joseph) & Brother	49
Knous & Company	49
Knous Brothers	49
Krantz (Jacob)	14
Lake Superior Coal Company	14
Lehman (J. A.)	35
Liehl (John)	49
Lill (Jacob)	49
Lill & Schinider	49
Lill Coal Company	10
Lippert (Pistor & Lippert)	41
Lippert & Shore	37
Lippert Brothers	31, 41
Luppans Lumber	31
Luster (C. R.) & Son	27
Macke (Christ C.)	49
Maddox & Son	49
Marxer (A. J.)	31
Massie Coal Company, No. 2 Mine	49
Mayer (Clarence)	21
Mayer (Jacob)	16
Mayer (Stehlick, Mayer & Stehlick)	50
Mayer Coal Company	18
Midwest Radiant Corporation	11
Midwest Radiant Fuel Corporation, Midwest Mine	12
Midwest Smokeless Fuel Corporation	12
Millstadt Coal & Mining Company	22
Millstadt Coal Company	18, 22
Millstadt Mine	18
Millstadt Union Coal Company	42
Morgan (F. C.) Coal Company	33
Murkoff (August)	30
Murphy (Frank), No. 2 Mine	9
Murphy (Frederick)	9
Muskopf (Dan)	50
Muskopf (Dan) & Company	44
Muskopf (Feurhan & Muskopf)	44
Muskopf (Teuerhahn, Muskopf & Company)	44
New National Coal & Mining Company	15
Northern Coal Company	20
Padfield & Company	48
Pannier (L.) & Son	50
Peabody Coal Company, Douglas Field Mine	39
Peabody Coal Company, Midwest Hiwall No. 1 Mine	38
Peabody Coal Company, Midwest Strip Mine	11
Pfeiffer (Andrew)	43
Philips & Weber	48
Pistor (William)	26, 41
Pistor & Lippert	41
Pittsburg Mining Company	49
Quirin (Fred)	30
Quirin (Fred) Coal Company	50
Radium Coal Company	9
Rebel Mine	49
Reeb (Conrad)	13
Reeb (Peter)	49
Reeb Brothers	13
Reeb Coal Company	9, 14
Reiher (George)	48
Richard (Betts, Richard & Company)	49

Richards (Gellwicks & Richards)	48
Rubble (William)	49
Schilling (Bretz & Schilling)	13
Schinider (Lill & Schinider)	49
Schmidt (George)	50
Schmit (John C.)	26
Schon Coal Company	37
Schorer Coal Company	37
Schorr (A. D.)	32
Schorr (R. L.)	32
Schubert Coal Company	46
Seib & Company	49
Seiberd (George)	49
Senior (L.)	14
Sertel (John)	48
Shore (Lippert & Shore)	37
Simeson & Company	49
Smith (G. F.)	48
Smith (Joseph)	50
Smith Brothers	50
South Side Coal Company	15
St. George Coal Mining Company	49
St. Louis & High Prairie Coal Company	50
Stehlick, Mayer & Stehlick	50
Stitzel (Fred, Jr.)	36
Stitzel (Henry)	48
Taylor (Henry)	48, 49
Taylor (J.)	50
Taylor (John)	48
Teuerhahn, Muskopf & Company	44
Union Coal Company	42
Victoria Coal Company	14
Watland (M. B.)	27
Weber (Philips & Weber)	48
Weisner (Fred)	50
Weiss (Nicholas)	49
Weiters (Charles)	29
White Rose Coal Company	13
White Rose Mining Company	13
Wilson (Hazard, Wilson & Company)	48
Winder (John) & Company	49

Funding for this project was supplied by the Office of Mines and Minerals, DNR.