



Coal Mines in Illinois Creal Springs Quadrangle Johnson & Williamson Counties, Illinois Mt. Rorah, Murphysboro & Bell Coals

This map accompanies the Coal Mines Directory for the Creal Springs Quadrangle and maps of mines in the New Burnside Coal, Creal Springs Quadrangle, and the Delwood & Reynoldsburg Coals, Creal Springs 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

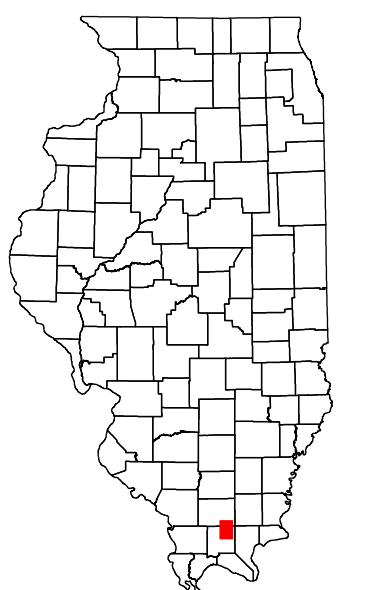
Tipple, Shaft, Slope, Drift Locations

- 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

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

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

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

Mine Outlines Compiled by
Jennifer M. Obrad

Revised:
Alan R. Myers 06-21-2024

May 4, 2010

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North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
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Imagery.....NAIP, August 2015 - October 2017
Roads.....U.S. Census Bureau, 2017
Roads within US Forest Service Lands.....USFS
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Name.....GNIS, 1980 - 2017
Hydrography.....National Hydrography Dataset, 2002 - 2016
Contours.....National Elevation Dataset, 2014
Boundaries.....Multiple sources; see metadata file
Public Land Survey System.....BLM, 2017
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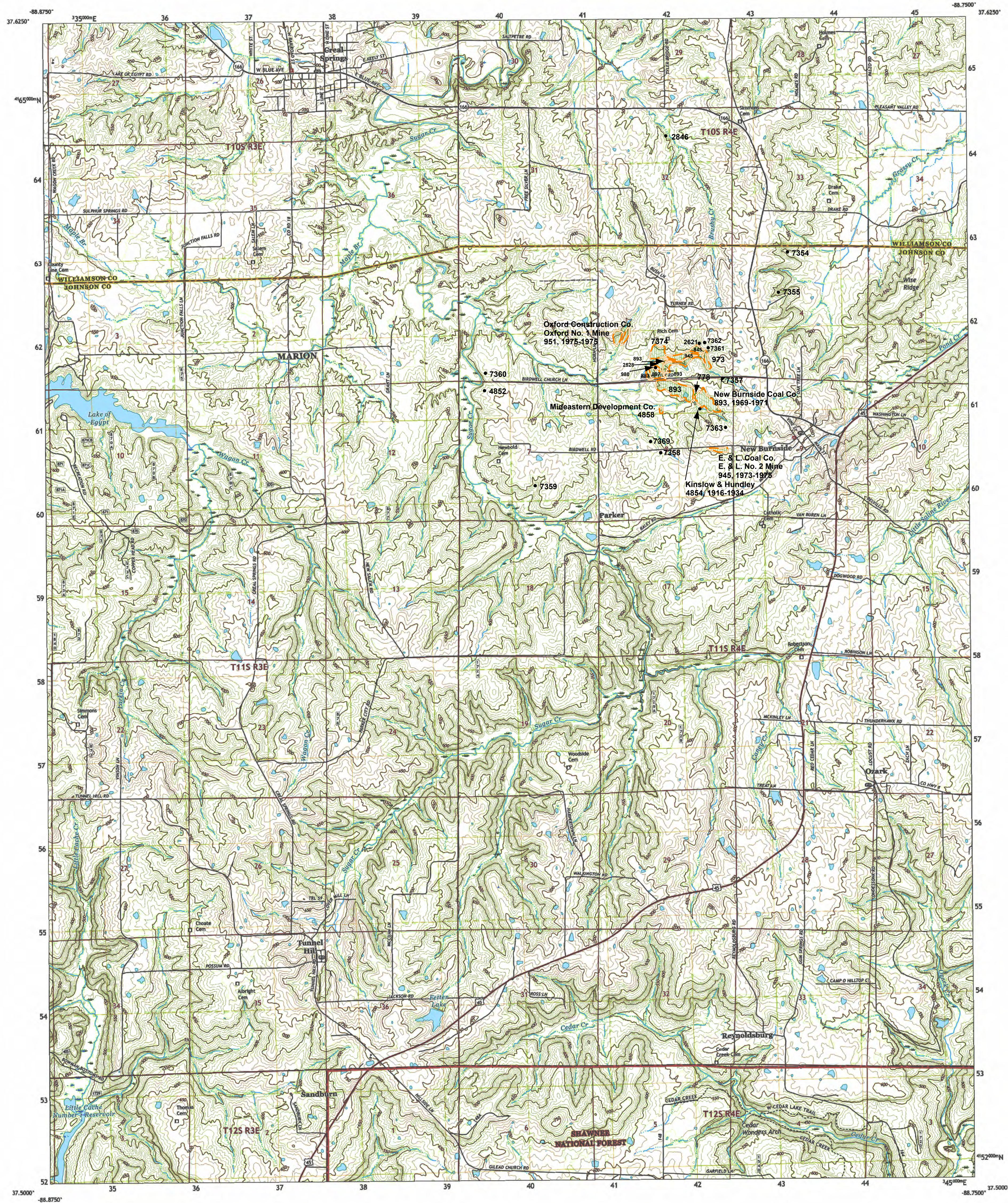
UTM GRID AND 2017 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
KILOMETERS
METERS
MILES
FOOT
CONTOUR INTERVAL, 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
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A metadata file associated with this product is draft version 0.6.18

ILLINOIS
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Interstate Route
US Primary Route
US Route
FS Primary Route
FS Passenger Route
Local Connector
Local Road
4WD
State Route
FS High
Clearance Route

CREAL SPRINGS, IL
2018



Coal Mines in Illinois Creal Springs Quadrangle Johnson & Williamson Counties, Illinois New Burnside Coal

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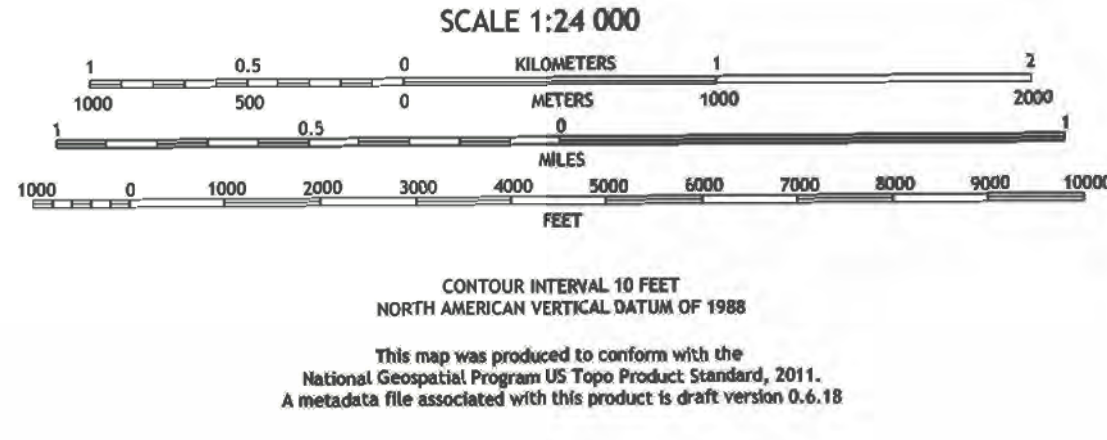
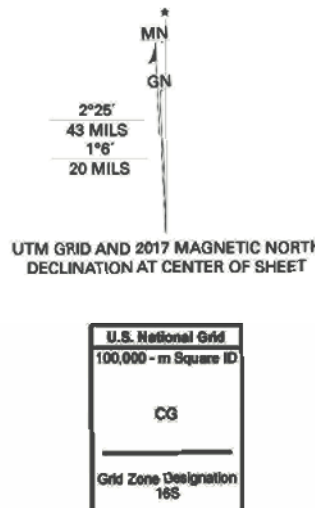
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Interstate Route
US Primary Route
Local Connector
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US Route
FS Passenger Route
FS High Clearance Route

CREAL SPRINGS, IL
2018

DIRECTORY OF COAL MINES IN ILLINOIS

7.5-MINUTE QUADRANGLE SERIES

CREAL SPRINGS QUADRANGLE

JOHNSON & WILLIAMSON COUNTIES

Jennifer M. Obrad & C. Chenoweth



2010, Revised 2024

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

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

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

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INTRODUCTION

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

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

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

MINING IN THE CREAL SPRINGS QUADRANGLE

The coal known as the Lower New Burnside Coal in 5-T11S-R4E varies considerably in thickness but is characteristically broken by numerous clay shale partings. Immediately above the coal is an erosional conglomerate that sometimes channeled into the seam for as much as 6 inches. This conglomerate is case-hardened and is a conspicuous hematite-red. The sandstone pebbles in the conglomerate are up to 3 inches across and not rounded, usually composed of sandstone. The Upper New Burnside Coal is overlain by a conglomerate composed of small gravel-sized pebbles of shale and limestone. The coal was mined via drift and slope entries as well as surface mines along the outcrop. The Murphysboro Coal was also mined in the vicinity of the New Burnside Coal mines, near the town of New Burnside, while east of the town, the Delwood Coal was mined.

In the southern portion of the quadrangle, the Bell Coal was mined, and closer to the town of Reynoldsburg, the Reynoldsburg Coal was mined. Little is known of these mines other than their location. The northern part of the quadrangle, in Williamson County, had mines in the Mt. Rorah Coal. These were most often surface mines and drifts that took advantage of the shallow coal depth along the hillsides.

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.

Trask, C. B. & R. J. Jacobson, 1990, Geologic Map of the Creal Springs Quadrangle, Illinois, Illinois State Geological Survey, Illinois Geologic Quadrangle Map IGQ 4, 1 sheet.

PART II DIRECTORY OF MINES IN THE CREAL SPRINGS QUADRANGLE

MINE SUMMARY SHEETS

A summary sheet on the geology and production history of each mine in the Creal Springs 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 778

R. C. Jennings & Son, Jennings No. 2 Mine

Type: Surface Total mined-out acreage shown: Less than 1. The mine is only partially shown on the accompanying map because of later surface mining by the New Burnside Mine (mine index 893) that expanded the mined area.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit or tippie	Johnson	11S 4E	8	NE NW NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
New Burnside	15			3.5	Surface

Geologic Problems Reported: The overburden was a massive sandstone. In some places, 6 inches to 6 feet of shale-pebble conglomerate was directly over the coal. The seam contained occasional discontinuous pyrite bands, but was remarkably clean.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
R. C. Jennings & Son	Jennings No. 2	1956-1956	<u>1,895</u> 1,895

Last reported production: 1956

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Microfilm, document 352470	5-29-1956	1:1200	1:1324	Final

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Johnson County) - Mine type, mine location, depth, thickness, geologic problems.

Microfilm map, document 352470, reel 03139, frame 157 - Mine location, mine outline, mining method.

Mine Index 875**Herod Mining Corporation, Herod No. 2 Mine**

Type: Surface Total mined-out acreage shown: 9 Production indicates less than 1 acre was mined. The area shown on the accompanying map probably includes several mines whose location is not known (see the back of this report), as well as areas of disturbed ground that was not mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Johnson	11S 4E	32	SW NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Reynoldsburg	24-27			2.67	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Herod Mining Corporation *	Herod No. 2	1965-1965	<u>1,938</u> 1,938

* The mine was also shown on Coal Section file copies of topographic maps as Lafayette Coal Company and Brandy Pit.

Last reported production: 1965

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Creal Springs Quadrangle, IGQ-4	1990	1:24000	1:24000	Secondary source
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

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

Trask, C. B. and R. J. Jacobson, Geologic Map of the Creal Springs Quadrangle, Illinois: Illinois State Geological Survey, Map IGQ-4, 1 sheet - Mine location, mine outline.

Department of Mines & Minerals, 7a-01-22, aerial photograph base with surface mines identified - Mine location, mine outline.

Mine Index 893
New Burnside Coal Company, New Burnside Mine

Type: Surface Total mined-out acreage shown: 30 Production indicates approximately 6 acres were mined. The area shown on the accompanying map enlarged the area mined by Jennings No. 2 Mine (mine index 778, which mined less than 1 acre) and likely includes disturbed ground that was not mined as well as mines whose locations are not known (see the back of this report).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Johnson	11S 4E	5	SE SW
Pit	Johnson	11S 4E	8	N ½ NE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Meko Mining Corporation	Meko	1969-1969	23,991
New Burnside Coal Company	New Burnside	1969-1971	<u>4,441</u>
			28,432

Last reported production: 1971

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Johnson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Johnson County) - Mine location, seam.
 Department of Mines & Minerals, 7a-01-24, aerial photograph base with surface mines identified - Mine location, mine outline.

Mine Index 897
Jobe Coal Company, Jobe Mine

Type: Surface Total mined-out acreage shown: 4

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit or tippie	Johnson	11S 4E	5	SE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
New Burnside	35			1.5	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Jobe Coal Company	Jobe	1969-1969	<u>4,912</u> 4,912

Last reported production: 1969

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Johnson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Johnson County) - Mine type, mine location, seam, depth, thickness.
 Department of Mines & Minerals, 7a-01-24, aerial photographic base with surface mines identified - Mine outline.

Mine Index 945**E. & L. Coal Company, E. & L. No. 2 Mine**

Type: Surface Total mined-out acreage shown: 6 Production indicates approximately 2 acres were mined. The area shown on the accompanying map probably includes disturbed but unmined land adjacent to the pit.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Johnson	11S 4E	8	N ½ NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
New Burnside				3.0-3.2	Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
E. & L. Coal Company	E. & L. No. 2	1973-1975	9,195 9,195

Last reported production: 1975

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Johnson County) - Mine type, mine location, seam, thickness.

Department of Mines & Minerals, 7a-01-24, aerial photographic base with surface mines identified - Mine location, mine outline.

Mine Index 951
Oxford Construction Company, Oxford No. 1 Mine

Type: Surface Total mined-out acreage shown: 6

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Johnson	11S 4E	5	SE NW SW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Oxford Construction Company	Oxford No. 1	1975-1975	Not reported

Last reported production: 1975

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Johnson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Johnson County) - Mine type, mine location, seam.
 Department of Mines & Minerals, 7a-01-24, aerial photographic base with surface mines identified - Mine location, mine outline.

Mine Index 965**Harry & Russell Oxford Construction Company, Oxford No. 2 Mine**

Type: Surface Total mined-out acreage shown: 7 Production indicates approximately 2 acres were mined. The area shown on the accompanying map likely includes areas of disturbed but not mined land as well as areas that may have been mined by other operators (see the unlocated mines at the back of this report).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	10S 4E	29	SW SW NE
Pit	Williamson	10S 4E	29	SE SE NW & NE NE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Mt. Rorah	15-20			1.0-3.0	Surface

Geologic Problems Reported: Remnants of a clay dike was seen in the outcrop. The coal was split by silty shale in some locations that produce two benches. The coal was mined along a stream cut.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Oxford Construction Company	Oxford No. 1	1975-1976	10,171
Harry & Russell Oxford Construction Co.	Oxford No. 2	1977-1977	<u>not reported</u> *
			10,171

* Idle May 1977; 1977 production (if any) not reported

Last reported production: November 1976

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Mine notes (J. Nelson)	4-20-1977	1:24000	1:24000	Secondary source
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

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

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

Mine notes (Williamson County) - Mine type, mine outline, seam, depth, thickness, geologic problems.

Department of Mines & Minerals, 7a-02-09, aerial photographic base with surface mines identified - Mine location, mine outline.

Mine Index 973
Oxford Construction Company, Oxford No. 3 Mine

Type: Surface Total mined-out acreage shown: 3

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Johnson	11S 4E	5	W ½ 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)
Oxford Construction Company	Oxford No. 3	1977-1977	<u>1,100</u> 1,100

Last reported production: 1977

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Williamson County) - Mine names, mine index, ownership, years of operation.
 Department of Mines & Minerals, 7a-01-24, aerial photographic base with surface mines identified - Mine location, mine outline.

Mine Index 980
Industrial Coal Producers, Incorporated, New Burnside Mine

Type: Surface Total mined-out acreage shown: None

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Johnson	11S 4E	5	SE SE SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
New Burnside	28		5.0	2.0	Surface

Geologic Problems Reported: The highwall showed an underground mine (see the unlocated mines at the back of this report). A large volume of water was released when they hit the underground mine, and they caught this water in a sediment pond. Bad weather and a lack of buyer for their coal idled the mine in February (opened January, closed in April).

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Industrial Coal Producers, Incorporated	New Burnside	1980-1980	Not reported

Last reported production: April 1980

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
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 - Ownership, years of operation.

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

Mine notes (Johnson County) - Mine type, mine location, seam, depth, thickness, geologic problems.

Mine Index 986
Energy Exploration, Incorporated, Ozark Mine

Type: Surface Total mined-out acreage shown: 2

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit or tippie	Johnson	11S 4E	31	SW NE SE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Reynoldsburg	50			2.33-2.58	Surface

Geologic Problems Reported: The overburden consisted of sandstone and shale. Pyrite nodules were noted in the seam, but the coal was reported to have a sulfur content less than 1.5%.

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Energy Exploration, Incorporated	Ozark	1978-1978	<u>10,417</u> 10,417

Last reported production: November 1978

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Creal Springs Quadrangle, IGQ-4	1990	1:24000	1:24000	Secondary source
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Johnson County) - Mine type, mine location, seam, depth, thickness, geologic problems.

Trask, C. B. and R. J. Jacobson, Geologic Map of the Creal Springs Quadrangle, Illinois: Illinois State Geological Survey, Map IGQ-4, 1 sheet - Mine location, mine outline.

Department of Mines & Minerals, 7a-01-23, aerial photographic base with surface mines identified - Mine identification.

Mine Index 2528
Knickerbocker Coal Company, Knickerbocker Mine

Type: Surface Total mined-out acreage shown: 2

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit or tippie	Johnson	11S 4E	5	SE SE SW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Knickerbocker Coal Company	Knickerbocker	1971-1971	<u>1,126</u> 1,126

Last reported production: October 1971

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Johnson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Johnson County) - Mine type, mine location.
 Department of Mines & Minerals, 7a-01-24, aerial photographic base with surface mines identified - Mine name, mine outline.

Mine Index 2529**Fred Smith Coal Company, Smith 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 slope	Johnson	11S 4E	8	SW SE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Murphysboro	45			3.5	Underground

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Treece & Son	Treece	1936-1936	100
Fred Smith Coal Company	Smith	1937-1937	<u>135</u> 235

Last reported production: 1937

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Creal Springs Quadrangle, IGQ-4	1990	1:24000	1:24000	Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.

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

Mine notes (Johnson County) - Mine type, slope location, depth, thickness.

Trask, C. B. and R. J. Jacobson, Geologic Map of the Creal Springs Quadrangle, Illinois: Illinois State Geological Survey, Map IGQ-4, 1 sheet - Slope location, seam.

Mine Index 2530
Holly Mining Company, Holly Mine

Type: Surface Total mined-out acreage shown: 13 Production indicates less than 1 acre was mined.
 The area shown on the accompanying map likely includes areas of disturbed but not mined land as well as areas that may have been mined by other operators (see the unlocated mines at the back of this report).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Johnson	12S 4E	6	NW NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Holly Mining Corporation	Holly	1970-1970	<u>2,542</u> 2,542

Last reported production: 1970

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Production, ownership, years of operation.
 Directory of Illinois Coal Mines (Johnson County) - Mine names, mine index, ownership, years of operation.
 Mine notes (Johnson County) - Mine type, mine location, depth, thickness.
 Department of Mines & Minerals, 7a-01-22, aerial photograph base with surface mines identified - Mine location, mine outline.
 Trask, C. B. and R. J. Jacobson, Geologic Map of the Creal Springs Quadrangle, Illinois: Illinois State Geological Survey, Map IGQ-4, 1 sheet - Seam.

Mine Index 2621**Deaton Coal Company, Deaton Mine**

Type: Surface Total mined-out acreage shown: None; production indicates approximately 2 acres were mined. The mine location is only known to the quarter-section, and actual mining probably took place in areas designated for E. & L. No. 2 Mine (mine index 945) or New Burnside Mine (mine index 893).

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit or tipple	Johnson	11S 4E	5	SE

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Deaton Coal Company	Deaton	1971-1973	<u>10,659</u> 10,659

Last reported production: 1973

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
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 (Johnson County) - Mine names, mine index, ownership, years of operation.

Mine notes (Johnson County) - Mine type, mine location, seam.

Mine Index 4215**M. Cozant Coal Company, Bald Hill Mine**

Type: Underground Total mined-out acreage shown: None

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Shaft	Johnson	11S 4E	3	NE SW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
Delwood	42				Underground

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
M. Cozant Coal Company	Bald Hill	Unknown	Not reported

Last reported production:

SOURCES OF DATA

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

Annotated Bibliography (data source, brief description of information)

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

ISGS field notes, G. H. Cady, 9-9-1925 (Johnson County) - Mine type, shaft location, depth.

ISGS field notes, M. W. Fuller & H. R. Wanless, 8-19-1932 (Johnson County) - Mine type, shaft location.

ISGS map library, 4107 d5.1-195, sheet 42, field map of M. W. Fuller & H. R. Wanless, 1932 - Shaft location.

Trask, C. B. and R. J. Jacobson, Geologic Map of the Creal Springs Quadrangle, Illinois: Illinois State Geological Survey, Map IGQ-4, 1 sheet - Seam.

Mine Index 4854**Kinslow & Hundley, Kinslow & Hundley Mine**

Type: Underground Total mined-out acreage shown: None; production indicates approximately 8 acres were mined.

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Main slope	Johnson	11S 4E	8	SW NE NE

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Avg	
New Burnside	16			3.5	RP

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
A. S. Hundley	Hundley	1916-1933 *	25,300 *
Kinslow & Hundley	Kinslow & Hundley	1934-1934	640
			25,940

* Idle 1919-1922, 1928, 1929. Mines producing less than 1,000 tons per year were not reported 1930-1933. Production may be higher than shown.

Last reported production: 1934

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
ISGS field notes (H. B. Stonehouse)	6-9-1954	(text only)	1:24000 **	Secondary source
Creal Springs Quadrangle, IGQ-4	1990	1:24000	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, depth, thickness, mining method.

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

ISGS field notes (Johnson County) - Mine name, mine type, slope location.

Trask, C. B. and R. J. Jacobson, Geologic Map of the Creal Springs Quadrangle, Illinois: Illinois State Geological Survey, Map IGQ-4, 1 sheet - Mine location, seam.

Mine Index 4858**Mideastern Development Corporation, Mideastern Mine**

Type: Surface Total mined-out acreage shown: Less than 1

SHAFT, SLOPE, DRIFT or TIPPLE LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Johnson	11S 4E	8	SE NE NW

GEOLOGY

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

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Mideastern Development Corporation	Mideastern	Unknown	Not reported

Last reported production:

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Directory of Illinois Coal Mines (Johnson County) - Mine names, mine index, ownership, years of operation.
 Department of Mines & Minerals, 7a-01-24, aerial photographic base with surface mines identified - Mine location, mine outline.

Mine Index 7351**Mid-Eastern Development Corporation, Mid-Eastern Development Mine**

Type: Surface Total mined-out acreage shown: 5

SHAFT, SLOPE, DRIFT or TIPPLe LOCATIONS

Type	County	Township-Range	Section	Quarters-Footage
Pit	Williamson	10S 4E	28	S ½ NW SW

GEOLOGY

Seam(s) Mined	Depth (ft)	Thickness (ft)			Mining Method
		Min	Max	Ave	
Mt. Rorah					Surface

Geologic Problems Reported:

PRODUCTION HISTORY

Company	Mine Name	Years	Production (tons)
Mid-Eastern Development Corporation	Mid-Eastern Development	1969-1969	not reported *

* Reported as operating from May to June (in the tables listing new, idled and closed mines), but production (if any) was not reported in the 1969 Coal Report.

Last reported production: June 1969

SOURCES OF DATA

Source Map	Date	Original Scale	Digitized Scale	Map Type
Creal Springs Quadrangle, IGQ-4	1990	1:24000	1:24000	Secondary source
Department of Mines & Minerals	Undated			Secondary source

Annotated Bibliography (data source, brief description of information)

Coal Reports - Ownership, years of operation.

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

Trask, C. B. and R. J. Jacobson, Geologic Map of the Creal Springs Quadrangle, Illinois: Illinois State Geological Survey, Map IGQ-4, 1 sheet - Mine location, mine outline, seam.

Department of Mines & Minerals, 7a-01-22, aerial photograph base with surface mines identified - Mine identification.

OTHER MINES SHOWN ON CREAL SPRINGS QUADRANGLE

Mine Index 2846 SW NW NE 32-T10S-R4E, New Burnside Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 4509 NW NE SW 29-T10S-R4E, 2 openings, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 4851 SE NE SW 3-T11S-R4E, shaft, Delwood Coal source: Trask & Jacobson, IGQ-4 (1990), ISGS field notes (H. B. Stonehouse 6-9-1954)
Mine Index 4852 NE NW NW 7-T11S-R4E, drift, New Burnside Coal source: ISGS field notes (H. B. Stonehouse, 6-9-1954) and Trask & Jacobson, IGQ-4 (1990)
Mine Index 4853 NW NE SE 8-T11S-R4E, drift, Murphysboro Coal source: ISGS field notes (M. E. Ostrum, 6-9-1954) and Trask & Jacobson, IGQ-4 (1990)
Mine Index 4855 NW SE SW-32-T11S-R4E, 3 openings, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 4857 SE NW NW 8-T11S-R4E, Delwood Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7349 SE NW 28-T10S-R4E, Mt. Rorah Coal, underground source: ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report (8-1934)
Mine Index 7350 NW NW SE 28-T10S-R4E, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7352 NW SW NW 33-T10S-R4E, surface, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7353 NW NW SE 30-T10S-R4E, drift, Mt. Rorah Coal source: ISGS map library, 4103.W52 i5.1-189, work map for Federal Land Bank Report (8-1934)
Mine Index 7354 NE NE NW 4-T11S-R4E, New Burnside Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7355 NW SE NW 4-T11S-R4E, New Burnside Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7356 NE SE NW 9-T11S-R4E, slope, Murphysboro Coal source: Trask & Jacobson, IGQ-4 (1990) and ISGS field notes (M. W. Fuller, 8-19-1932)
Mine Index 7357 NE NE NE 8-T11S-R4E, slope, New Burnside Coal source: Trask & Jacobson, IGQ-4 (1990) and ISGS field notes (M. W. Fuller, 8-22-1932)
Mine Index 7358 NE NE SW 8-T11S-R4E, New Burnside Coal source: Trask & Jacobson, IGQ-4 (1990) and ISGS field notes (A. D. Brokaw, 8-5-1916)
Mine Index 7359 SW NW SE 7-T11S-R4E, New Burnside Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7360 SE SW SW 6-T11S-R4E, New Burnside Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7361 NW SE SE 5-T11S-R4E, slope, New Burnside Coal source: ISGS field notes (H. R. Wanless, 8-22-1932)
Mine Index 7362 SW NE SE 5-T11S-R4E, New Burnside Coal source: ISGS field notes (H. R. Wanless, 8-22-1932)
Mine Index 7363 NE SE NE 8-T11S-R4E, surface, New Burnside Coal source: ISGS field notes (W. E. Parham, summer 1961)
Mine Index 7364 SE NE SW 31-T11S-R4E, 2 openings, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7365 NW NE SE 1-T12S-R3E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7366 NE SE NW 1-T12S-R3E, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7367 NW NW SE 6-T12S-R4E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7368 NW SE SE 6-T12S-R4E, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7369 SE SE NW 8-T11S-R4E, New Burnside Coal source: Coal Section files, 6-102 (map of Morgan Coal Co., 2-9-1953)
Mine Index 7374 NW SE SE 5-T11S-R4E, surface, New Burnside Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7907 SE NE NW 5-T12S-R4E, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7924 SW SE NW 29-T10S-R4E, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7925 * SE SE NW 29-T10S-R4E, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7926 * SW SW NE 29-T10S-R4E, 2 openings, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4(1990)
Mine Index 7927 NE NE SW 29-T10S-R4E, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7928 NW NW SE 29-T10S-R4E, 3 openings, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7929 NE NW SE 29-T10S-R4E, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7930 SW NW SE 29-T10S-R4E, 4 openings, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7931 SE NW SE 29-T10S-R4E, Mt. Rorah Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7932 SW SE NW 3-T11S-R4E, Delwood Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7933 SW NE SW 3-T11S-R4E, Delwood Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7934 NE SE SW 3-T11S-R4E, shaft, Delwood Coal source: Trask & Jacobson, IGQ-4 (1990), ISGS field notes (H. B. Stonehouse 6-9-1954)
Mine Index 7935 NW SE SW 3-T11S-R4E, shaft or drift, Delwood Coal source: Trask & Jacobson, IGQ-4 (1990), ISGS field notes (H. B. Stonehouse 6-9-1954 and M. W. Fuller, 8-19-1932)
Mine Index 7936 SE SW NE 8-T11S-R4E, 2 drifts and 1 mine, Murphysboro Coal, 2.5' thick source: Trask & Jacobson, IGQ-4 (1990), ISGS field notes (J. M. Weller, 11-28-1939)
Mine Index 7937 NW SE NE 8-T11S-R4E, Murphysboro Coal source: Trask & Jacobson, IGQ-4 (1990)
Mine Index 7938 SW NW SE 32-T11S-R4E, 3 openings, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990), ISGS field notes (G. H. Cady, 7-8-1929)
Mine Index 7939 SE NE SW 32-T11S-R4E, 2 openings, Reynoldsburg Coal, 2.17-2.3' thick source: Trask &

Jacobson, IGQ-4 (1990), ISGS field notes (H. R. Wanless, 8-24-1933)
 Mine Index 7940 NE NE SW 32-T11S-R4E, 2 openings, Reynoldsburg Coal, 2.3-2.5' thick source: Trask & Jacobson, IGQ-4 (1990), ISGS mine notes
 Mine Index 7941 NE NW SW 32-T11S-R4E, 3 openings, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7942 NW NW SW 32-T11S-R4E, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7943 SW NW SW 32-T11S-R4E, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7944 NE SW SW 32-T11S-R4E, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7945 NW SE SW 32-T11S-R4E, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7946 SE SE SW 32-T11S-R4E, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7947 SE NW SE 31-T11S-R4E, drift, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990), ISGS field notes (H. R. Wanless, 8-19-1933)
 Mine Index 7948 SE SE SE 31-T11S-R4E, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7949 NE NE NW 5-T12S-R4E, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7950 NW SE SW 31-T11S-R4E, shaft and drift, Bell Coal source: Trask & Jacobson, IGQ-4 (1990), ISGS field notes (M. W. Fuller, 8-14-1933)
 Mine Index 7951 NE SW SW 31-T11S-R4E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7952 SW SE SW 31-T11S-R4E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7953 SE SE SW 31-T11S-R4E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7954 NE NE NE 1-T12S-R3E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7955 SE NE NE 1-T12S-R3E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7956 NW NW NW 6-T12S-R4E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7957 NW NE NW 6-T12S-R4E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7958 SE SW NE 1-T12S-R3E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7959 SW SW NE 1-T12S-R3E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7960 NW SW NE 1-T12S-R3E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7961 NW NE NW 1-T12S-R3E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7962 NW NW SW 1-T12S-R3E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7963 NE NW SW 1-T12S-R3E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7964 SE SE NW 1-T12S-R3E, 2 openings, Reynoldsburg Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7965 NW NE SW 6-T12S-R4E, Bell Coal source: Trask & Jacobson, IGQ-4 (1990)
 Mine Index 7966 SW NE SE 32-T11S-R4E, Reynoldsburg Coal source: ISGS field notes (H. R. Wanless, 8-14-1933)

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

MINES WHOSE LOCATIONS ARE NOT KNOWN, CREAL SPRINGS QUADRANGLE

The locations of the following mines are unknown, but the production tonnage, operating names, and nearest town were reported in the Annual Coal Reports. The operators listed below mined in or near the Creal Springs Quadrangle. The information shown is similar to that presented on the summary sheets in the previous pages of this directory. The first item is the name the mine operated under as listed in the Coal Report, then the years the mine reported. If no physical data are available, the next item listed is the total tons produced by the mine. If physical data are available, the order of presentation is as follows: type of opening for the mine (drift, slope or shaft), depth of coal in feet, and thickness of coal in feet.

The total tons mined by these unlocated mines is 151,733 (124,267 underground, and 839 surface mined and 26,627 mined by unknown method), which would represent approximately 40 to 80 acres, depending on the recovery factor, mining method, and numerous other factors. (Note: 1 square mile = 640 acres)

CREAL SPRINGS, Johnson County

Horn (J. R.), 1912-1914, slope, —, 30, 3.5, RP	371 tons
Wilson (Arthur), 1927-1927	210 tons

CREAL SPRINGS, Williamson County

Russell & Deaton, 1928-1928, underground	127 tons
Hammers (Wesley), 1929-1929	<u>17 tons</u>
	144 tons
Red Bird Coal Company, 1935-1935, underground	70 tons

NEW BURNSIDE

Illinois Iron & Coal Company, 1882-1883, slope, —, —, 3.0	8,680 tons
Illinois Iron & Coal Company, 1882-1883, shaft & slope, —, 50-150, 4.5	3,100 tons
Dupont (John), 1887-1891, drift, Colchester, —, 3.25, RP	43,410 tons
Davenport & Company, 1891-1892	<u>2,200 tons</u>
	45,610 tons
Dill & Wallace, 1895-1897, drift, —, 20-30, 3.33, RP	1,325 tons
Wallace (D. J.), 1897-1901	3,010 tons
Dill (Martin), 1901-1902	1,000 tons
Dill & Wallace, 1902-1904	<u>3,400 tons</u>
	8,735 tons
Dill & Wallace, 1895-1896, drift, —, —, 3.33, RP	200 tons
McMichael & King, 1895-1897, drift, —, 18-20, 3.33, RP	810 tons
McMichael (Thomas), 1897-1898	400 tons
McMichael & King, 1898-1903	<u>1,900 tons</u>
	3,110 tons
Hampton & Son, 1895-1899, drift, —, 20-22, 3.33, RP	906 tons
Bainbridge & Edwards, 1895-1896, drift, —, 20, 3.33, RP	150 tons
Edwards (A. J.), 1896-1897	400 tons
Powers (James), 1897-1898	<u>650 tons</u>
	1,200 tons

Smith (R. J.) & Son, 1896-1897, drift, —, 20-22, 3.33, RP	50 tons
Smith (Walter), 1897-1901	1,195 tons
Smith (Mrs. R. J.), 1901-1902	875 tons
Deaton (T.) & Company, 1902-1903	<u>400 tons</u>
	2,520 tons
New Burnside Coal Company, 1897-1901, slope, —, 20-30, 3.0-4.5, RP	11,040 tons
Edwards (A. J.), 1901-1903	845 tons
Tyler (J. W.), 1903-1906	2,262 tons
Tyler & Heaton, 1906-1907	1,600 tons
Tyler (J. W.), 1907-1911	4,507 tons
Tyler & Heaton, 1911-1913	1,564 tons
Tyler & Baker, 1913-1915	<u>3,280 tons</u>
	25,098 tons
Black Diamond Coal Company & Castaway Mining Company, 1980-1980	none reported
Kilgore (William), 1901-1905, drift, Colchester, 20-40, 3.33-3.5, RP	1,955 tons
White (Edward), 1905-1908	3,090 tons
Adams (John), 1908-1909	<u>390 tons</u>
	5,435 tons
Wilson (Joseph), 1908-1909, slope, —, 23-33, 3.33-4.5, RP	330 tons
Hampton (John), 1909-1912	<u>2,128 tons</u>
	2,458 tons
McMichael (T. M.), 1911-1916, drift, —, 3, 3.5, RP	2,588 tons
O'Neil & Parker, 1914-1915, slope, —, 18, 8.83, RP	911 tons
Goddard (A. C.), 1914-1916, slope or pit, —, 20, 3.5-6.83, RP or strip	966 tons
Ward & Watson, 1914-1916, shaft, —, 30, 3.5, RP	1,818 tons
Watson (P. M.), 1916-1917	<u>2,373 tons</u>
	4,191 tons
Ward (Phillip M.), 1922-1924	3,320 tons
Ward (P. M.), 1933-1933, underground	1,182 tons
Dougherty (A. J.), 1916-1918, slope, —, —, 3.5, RP	3,950 tons
Smith (Fred), 1917-1919	60 tons
Smith (H. W.), 1919-1921	<u>6,400 tons</u>
	6,460 tons
Flannell Brothers, 1919-1922	6,500 tons
Flannell (Ed), 1922-1925	5,150 tons
Jordan Coal Company, 1925-1926	750 tons
Flannell (Ed), 1927-1927	<u>450 tons</u>
	12,850 tons
Choate & Rushing, 1920-1921	70 tons
Trammell (Ed), 1922-1923	150 tons
Upchurch & Ramsey, 1923-1924	320 tons
Ramsey (H.), 1924-1925	450 tons
Ramsey (H. & L.), 1925-1925	661 tons
Ramsey (H.) & Son, 1926-1926	560 tons
Ramsey & Upchurch, 1927-1927	<u>500 tons</u>
	2,491 tons
Ramsey (Kusten), 1926-1926	50 tons

Nicholson (Tom & Andrew), 1928-1928, surface	450 tons
Mattot (Roy E.), 1928-1928, surface	115 tons
Tanner (Louis), 1929-1929, underground	58 tons
Pritchett (Ezekial), 1935-1935, underground	180 tons
Harrison (Charles), 1936-1936	<u>50</u> tons
	230 tons

TUNNEL HILL

Watkins (J. M.), 1889-1890	40 tons
May (Henry), 1889-1890, surface, Rock Island, —, 2.25	50 tons
May (J. H.), 1890-1891	<u>224</u> tons
	274 tons
Watkins (D. J.), 1889-1890	20 tons
Felkins (William), 1895-1897, drift, —, 20, 3.33, RP	300 tons
Kilgore (W.), 1909-1910, slope, —, 40, 3.5, RP	204 tons
Kilgore (W.), 1914-1915, drift, —, 200, 2.5, RP	120 tons
Jobe & Ross, 1933-1934, underground	149 tons
Matthew & Harper, 1933-1933, underground	61 tons
Choat (A. W.), 1934-1934	<u>15</u> tons
	76 tons
McClendon (George), 1936-1936, underground	100 tons

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Rushing (Choate & Rushing)	30
Russell & Deaton	29
Smith (Fred)	30
Smith (Fred) Coal Company	20
Smith (H. W.)	30
Smith (Mrs. R. J.)	30
Smith (R. J.) & Son	29
Smith (Walter)	30
Tanner (Louis)	31
Trammell (Ed)	30
Treece & Son	20
Tyler (J. W.)	30
Tyler & Baker	30
Tyler & Heaton	30
Upchurch (Ramsey & Upchurch)	30
Upchurch & Ramsey	30
Wallace (D. J.)	29
Wallace (Dill & Wallace)	29
Ward (P. M.)	30
Ward (Phillip M.)	30
Ward & Watson	30
Watkins (D. J.)	31
Watkins (J. M.)	31
Watson (P. M.)	30
Watson (Ward & Watson)	30
White (Edward)	30
Wilson (Arthur)	29
Wilson (Joseph)	30

