

IDENTIFICATION_INFORMATION

Citation:

Citation_Information:

Originator: Indiana Geological Survey

Publication_Date: 20010629

Title: QuarryDB: Abandoned Industrial Mineral Quarries in Indiana
(Indiana Geological Survey, Access 2000 database)

Geospatial_Data_Presentation_Form: Database

Publication_Information:

Publication_Place: Bloomington, Indiana

Publisher: Indiana Geological Survey

Other_Citation_Details: Larger work listed below (Larger_Work_Citation)
converted to a relational database and a query form added.

Larger_Work_Citation:

Citation_Information:

Originator: Indiana Geological Survey

Publication_Date: 19941231

Title: Database of Abandoned Industrial Minerals Quarries in Indiana

Publication_Information:

Publication_Place: Bloomington, Indiana

Publisher: Indiana Geological Survey

Description:

Abstract: QuarryDB is a database of abandoned industrial minerals quarries documented in Indiana Geological Survey (IGS) files. Descriptions of database variables and content are included in an associated paper report and repeated in the Entity_and_Attribute_Information section of this metadata.

Purpose: This database was developed to facilitate access to the abandoned quarry information stored in the paper files of the Indiana Geological Survey.

Supplemental_Information: Many of Indiana's abandoned quarries are not included in this database. Field checking over the years was concentrated mostly in limited areas, and even in some of those areas, such as Monroe and Lawrence Counties, many smaller quarries were not located or recorded. In some counties and areas, no systematic field checking was completed; many quarries in these areas may not be recorded. Publishing the database at this time is appropriate, however, because of the great amount of information that has accumulated. The Abandoned Industrial Minerals Quarries Database is a relational database comprising four database tables. Information about abandoned quarries falls into four general categories: 1) location; 2) stratigraphy; 3) operating history; and 4) references to the quarry. The tables making up this database are based on these categories of abandoned quarry information. The Location Table is the fundamental table in the database and contains a single record for each abandoned quarry included in the database. The database tables were originally distributed as comma-delimited ASCII text files. A Microsoft Access 2000 relational database and Microsoft Excel 2000 workbook have been added to facilitate use of the data.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 18500101

Ending_Date: 19981231

Currentness_Reference: Publication date

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -88.1614

East_Bounding_Coordinate: -84.6882

North_Bounding_Coordinate: 41.7753

South_Bounding_Coordinate: 37.7554

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: Indiana Geological Survey

Theme_Keyword: Abandoned quarries

Theme_Keyword: Abandoned industrial minerals quarries

Theme_Keyword: Crushed stone quarries

Theme_Keyword: Dimension stone quarries

Theme_Keyword: Industrial minerals

Theme_Keyword: Quarries

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Indiana

Place_Keyword: Adams County

Place_Keyword: Allen County

Place_Keyword: Bartholomew County

Place_Keyword: Benton County

Place_Keyword: Blackford County

Place_Keyword: Brown County

Place_Keyword: Carroll County

Place_Keyword: Cass County

Place_Keyword: Clark County

Place_Keyword: Crawford County

Place_Keyword: Daviess County

Place_Keyword: Dearborn County

Place_Keyword: Decatur County

Place_Keyword: Delaware County

Place_Keyword: Dubois County

Place_Keyword: Fayette County

Place_Keyword: Floyd County

Place_Keyword: Fountain County

Place_Keyword: Franklin County

Place_Keyword: Gibson County

Place_Keyword: Grant County

Place_Keyword: Greene County

Place_Keyword: Hamilton County

Place_Keyword: Harrison County

Place_Keyword: Henry County

Place_Keyword: Howard County

Place_Keyword: Huntington County

Place_Keyword: Jackson County

Place_Keyword: Jasper County

Place_Keyword: Jay County

Place_Keyword: Jefferson County

Place_Keyword: Jennings County

Place_Keyword: Knox County

Place_Keyword: Lawrence County

Place_Keyword: Madison County

Place_Keyword: Martin County

Place_Keyword: Miami County
Place_Keyword: Monroe County
Place_Keyword: Montgomery County
Place_Keyword: Morgan County
Place_Keyword: Newton County
Place_Keyword: Ohio County
Place_Keyword: Orange County
Place_Keyword: Owen County
Place_Keyword: Parke County
Place_Keyword: Perry County
Place_Keyword: Pike County
Place_Keyword: Porter County
Place_Keyword: Posey County
Place_Keyword: Pulaski County
Place_Keyword: Putnam County
Place_Keyword: Randolph County
Place_Keyword: Ripley County
Place_Keyword: Rush County
Place_Keyword: Scott County
Place_Keyword: Shelby County
Place_Keyword: Spencer County
Place_Keyword: Sullivan County
Place_Keyword: Switzerland County
Place_Keyword: Union County
Place_Keyword: Vanderburgh County
Place_Keyword: Wabash County
Place_Keyword: Warrick County
Place_Keyword: Washington County
Place_Keyword: Wayne County
Place_Keyword: Wells County
Place_Keyword: White County

Access_Constraints:

This file is available to anyone, but access may be contingent on written request, specific terms relevant to the agency or person making the request, and/or current freedom of information statutes in the state of Indiana.

Use_Constraints:

Database DISCLAIMER:

This database was compiled by Indiana University, Indiana Geological Survey, using data believed to be accurate; however, a degree of error is inherent in all data. This product is distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability of a particular purpose or use. No attempt has been made in either the design or production of these data to define the limits or jurisdiction of any federal, state, or local government. A detailed on-the-ground survey and historical analysis of a single site may differ from this database.

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Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Indiana Geological Survey

Contact_Person: State Geologist

Contact_Position: Director

Contact_Address:

Address_Type: Mailing and physical address

Address: 611 North Walnut Grove

City: Bloomington

State_or_Province: Indiana

Postal_Code: 47405-2208

Country: USA

Contact_Voice_Telephone: 812-855-7636

Contact_Facsimile_Telephone: 812-855-2862

Contact_Electronic_Mail_Address: IGSinfo@indiana.edu

Hours_of_Service: Monday-Friday, 0800 - 1700 Eastern Standard Time

Native_Data_Set_Environment: Microsoft Access 2000

DATA_QUALITY_INFORMATION

Attribute_Accuracy:

Attribute_Accuracy_Report: The quarry sites included in this coverage were identified by IGS field geologists or taken from literature sources judged to be reliable by IGS geologists. IGS geologists and other staff members checked database tables for accuracy and completeness against the original records.

Logical_Consistency_Report: Duplicate features may exist in this dataset.

Quarries, which are abandoned and reopened under a new name, may be represented more than once in the dataset.

Completeness_Report: This database includes all abandoned quarry information included in the IGS abandoned quarry database. Many of Indiana's abandoned quarries are not included in this database. Field checking over the years was concentrated mostly in limited areas, and even in some of those areas, such as Monroe and Lawrence Counties, many smaller quarries were not located or recorded. In some counties and areas, no systematic field checking was completed; many quarries in these areas may not be recorded.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report: Congressional and other land survey descriptions included in the database were obtained from IGS file data and repeat horizontal positional accuracy documented in

those records.

Vertical_Positional_Accuracy:

Vertical_Positional_Accuracy_Report: Does not apply

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: Indiana Geological Survey

Publication_Date: 19941231

Title: Database of Abandoned Industrial Minerals Quarries in Indiana

Geospatial_Data_Presentation_Form: Does not apply

Publication_Information:

Publication_Place: Bloomington, Indiana

Publisher: Indiana Geological Survey

Other_Citation_Details: Comma-delimited ASCII files on DOS-formatted diskettes

Type_of_Source_Media: disk

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 18500101

Ending_Date: 19941231

Source_Currentness_Reference: Publication date

Source_Citation_Abbreviation: Computer Database 2

Source_Contribution: All data originated from this source.

Process_Step:

Process_Description:

- 1) IGS geologists obtained information about abandoned quarries from literature sources, public records, and visits to quarry sites. These data were compiled to form the Database of Abandoned Industrial Minerals Quarries comprising four related database tables. The database tables were converted to comma-delimited ASCII text files to create the source document.
- 2) The four source document files were subsequently imported into Microsoft Excel as four spreadsheets within a single workbook.
- 3) The four source document files were subsequently imported into Microsoft Access as four database tables within a single relational database.

Process_Date: 20010608

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Organization: Indiana Geological Survey

Contact_Person: Walter A. Hasenmueller

Contact_Position: Research Geologist

Contact_Address:

Address_Type: Mailing and physical address

Address: 611 North Walnut Grove

City: Bloomington

State_or_Province: Indiana

Postal_Code: 47405-2208

Country: USA

Contact_Voice_Telephone: 812-855-2687

Contact_Facsimile_Telephone: 812-855-2862

Contact_Electronic_Mail_Address: whasenmu@indiana.edu

Hours_of_Service: Monday-Friday, 0800-1700 Eastern Standard Time

Process_Step:

Process_Description:

A form was built using visual basic for Access to facilitate querying of the data in Access. The form allows users to retrieve selected database information by choosing a single county, Congressional township, or rock-unit name from drop-down lists provided in the form.

Process_Date: 20010608

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Organization: Indiana Geological Survey

Contact_Person: Wei Qin

Contact_Position: Database Administrator

Contact_Address:

Address_Type: Mailing and physical address

Address: 611 North Walnut Grove

City: Bloomington

State_or_Province: Indiana

Postal_Code: 47405-2208

Country: USA

Contact_Voice_Telephone: 812-855-2503

Contact_Facsimile_Telephone: 812-855-2862

Contact_Electronic_Mail_Address: weiqin@indiana.edu

Hours_of_Service: Monday-Friday, 0800-1700 Eastern Standard Time

ENTITY_AND_ATTRIBUTE_INFORMATION

Detailed_Description:

Entity_Type:

Entity_Type_Label: QUALOC

Entity_Type_Definition: The Location Table contains a description of the location of the office, processing area, pit entrance, or pit (if small) for each abandoned quarry or pit included in the database. Variables are the elements of several types of location descriptions that might be used to locate a particular abandoned quarry or group of abandoned quarries.

Entity_Type_Definition_Source: None

Attribute:

Attribute_Label: QuaNum

Attribute_Definition: Database identification number that links entries in the Location Table to records in the Bibliographic, History of Operation, and Stratigraphic Tables. Numbers were assigned sequentially as the data were processed. The numbers are not intended to represent an organization of the data.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 1

Range_Domain_Maximum: 1134

Attribute:

Attribute_Label: Cty

Attribute_Definition: County in which the abandoned quarry or pit is located.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value:

Enumerated_Domain_Value_Definition: County is not known

Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Adams
Enumerated_Domain_Value_Definition: Adams County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Allen
Enumerated_Domain_Value_Definition: Allen County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Bartholomew
Enumerated_Domain_Value_Definition: Bartholomew County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Benton
Enumerated_Domain_Value_Definition: Benton County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Blackford
Enumerated_Domain_Value_Definition: Blackford County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Brown
Enumerated_Domain_Value_Definition: Brown County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Carroll
Enumerated_Domain_Value_Definition: Carroll County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Cass
Enumerated_Domain_Value_Definition: Cass County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Clark
Enumerated_Domain_Value_Definition: Clark County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Crawford
Enumerated_Domain_Value_Definition: Crawford County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Daviess
Enumerated_Domain_Value_Definition: Daviess County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Dearborn
Enumerated_Domain_Value_Definition: Dearborn County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Decatur
Enumerated_Domain_Value_Definition: Decatur County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Delaware
Enumerated_Domain_Value_Definition: Delaware County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Dubois
Enumerated_Domain_Value_Definition: Dubois County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Fayette
Enumerated_Domain_Value_Definition: Fayette County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Floyd
Enumerated_Domain_Value_Definition: Floyd County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Fountain
Enumerated_Domain_Value_Definition: Fountain County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Franklin
Enumerated_Domain_Value_Definition: Franklin County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Gibson
Enumerated_Domain_Value_Definition: Gibson County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Grant
Enumerated_Domain_Value_Definition: Grant County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Greene
Enumerated_Domain_Value_Definition: Greene County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Hamilton
Enumerated_Domain_Value_Definition: Hamilton County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Harrison
Enumerated_Domain_Value_Definition: Harrison County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Henry
Enumerated_Domain_Value_Definition: Henry County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Howard
Enumerated_Domain_Value_Definition: Howard County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Huntington
Enumerated_Domain_Value_Definition: Huntington County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:
Enumerated_Domain_Value: Jackson
Enumerated_Domain_Value_Definition: Jackson County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2

Enumerated_Domain:

Enumerated_Domain_Value: Jasper
Enumerated_Domain_Value_Definition: Jasper County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Jay
Enumerated_Domain_Value_Definition: Jay County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Jefferson
Enumerated_Domain_Value_Definition: Jefferson County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Jennings
Enumerated_Domain_Value_Definition: Jennings County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Knox
Enumerated_Domain_Value_Definition: Knox County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Lawrence
Enumerated_Domain_Value_Definition: Lawrence County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Madison
Enumerated_Domain_Value_Definition: Madison County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Martin
Enumerated_Domain_Value_Definition: Martin County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Miami
Enumerated_Domain_Value_Definition: Miami County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Monroe
Enumerated_Domain_Value_Definition: Monroe County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Montgomery
Enumerated_Domain_Value_Definition: Montgomery County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Morgan
Enumerated_Domain_Value_Definition: Morgan County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Newton
Enumerated_Domain_Value_Definition: Newton County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Ohio
Enumerated_Domain_Value_Definition: Ohio County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Orange

Enumerated_Domain_Value_Definition: Orange County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Owen
Enumerated_Domain_Value_Definition: Owen County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Parke
Enumerated_Domain_Value_Definition: Parke County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Perry
Enumerated_Domain_Value_Definition: Perry County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Pike
Enumerated_Domain_Value_Definition: Pike County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Porter
Enumerated_Domain_Value_Definition: Porter County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Posey
Enumerated_Domain_Value_Definition: Posey County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Pulaski
Enumerated_Domain_Value_Definition: Pulaski County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Putnam
Enumerated_Domain_Value_Definition: Putnam County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Randolph
Enumerated_Domain_Value_Definition: Randolph County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Ripley
Enumerated_Domain_Value_Definition: Ripley County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Rush
Enumerated_Domain_Value_Definition: Rush County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Scott
Enumerated_Domain_Value_Definition: Scott County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Shelby
Enumerated_Domain_Value_Definition: Shelby County, Indiana
Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
Enumerated_Domain:
Enumerated_Domain_Value: Spencer
Enumerated_Domain_Value_Definition: Spencer County, Indiana

Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Enumerated_Domain:
 Enumerated_Domain_Value: Sullivan
 Enumerated_Domain_Value_Definition: Sullivan County, Indiana
 Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Enumerated_Domain:
 Enumerated_Domain_Value: Switzerland
 Enumerated_Domain_Value_Definition: Switzerland County, Indiana
 Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Enumerated_Domain:
 Enumerated_Domain_Value: Union
 Enumerated_Domain_Value_Definition: Union County, Indiana
 Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Enumerated_Domain:
 Enumerated_Domain_Value: Vanderburgh
 Enumerated_Domain_Value_Definition: Vanderburgh County, Indiana
 Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Enumerated_Domain:
 Enumerated_Domain_Value: Wabash
 Enumerated_Domain_Value_Definition: Wabash County, Indiana
 Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Enumerated_Domain:
 Enumerated_Domain_Value: Warrick
 Enumerated_Domain_Value_Definition: Warrick County, Indiana
 Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Enumerated_Domain:
 Enumerated_Domain_Value: Washington
 Enumerated_Domain_Value_Definition: Washington County, Indiana
 Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Enumerated_Domain:
 Enumerated_Domain_Value: Wayne
 Enumerated_Domain_Value_Definition: Wayne County, Indiana
 Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Enumerated_Domain:
 Enumerated_Domain_Value: Wells
 Enumerated_Domain_Value_Definition: Wells County, Indiana
 Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Enumerated_Domain:
 Enumerated_Domain_Value: White
 Enumerated_Domain_Value_Definition: White County, Indiana
 Enumerated_Domain_Value_Definition_Source: IGS Computer Database 2
 Attribute:
 Attribute_Label: Qdr
 Attribute_Definition: U.S. Geological Survey 7.5-minute quadrangle map
 in which the abandoned quarry or pit is located.
 Attribute_Definition_Source: Computer Database 2
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value:
 Enumerated_Domain_Value_Definition: Quadrangle is not known
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Adams
 Enumerated_Domain_Value_Definition: Adams Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Adams?

Enumerated_Domain_Value_Definition: Adams? Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Alexandria
Enumerated_Domain_Value_Definition: Alexandria Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Anderson North
Enumerated_Domain_Value_Definition: Anderson North Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Andrews
Enumerated_Domain_Value_Definition: Andrews Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Aurora
Enumerated_Domain_Value_Definition: Aurora Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Azalia
Enumerated_Domain_Value_Definition: Azalia Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bartlettsville
Enumerated_Domain_Value_Definition: Bartlettsville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Batesville
Enumerated_Domain_Value_Definition: Batesville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bedford East
Enumerated_Domain_Value_Definition: Bedford East Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bedford West
Enumerated_Domain_Value_Definition: Bedford West Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bethlehem
Enumerated_Domain_Value_Definition: Bethlehem Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bicknell
Enumerated_Domain_Value_Definition: Bicknell Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bippus
Enumerated_Domain_Value_Definition: Bippus Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Blaine
Enumerated_Domain_Value_Definition: Blaine Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Blocher
Enumerated_Domain_Value_Definition: Blocher Quadrangle

Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bloomington
Enumerated_Domain_Value_Definition: Bloomington Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bluffton
Enumerated_Domain_Value_Definition: Bluffton Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Branchville
Enumerated_Domain_Value_Definition: Branchville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bristow
Enumerated_Domain_Value_Definition: Bristow Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bryantsville?
Enumerated_Domain_Value_Definition: Bryantsville? Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bucktown
Enumerated_Domain_Value_Definition: Bucktown Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Bunker Hill
Enumerated_Domain_Value_Definition: Bunker Hill Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Butlerville
Enumerated_Domain_Value_Definition: Butlerville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Campbellsburg
Enumerated_Domain_Value_Definition: Campbellsburg Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Canaan
Enumerated_Domain_Value_Definition: Canaan Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Cannelton
Enumerated_Domain_Value_Definition: Cannelton Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Carlos
Enumerated_Domain_Value_Definition: Carlos Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Cataract
Enumerated_Domain_Value_Definition: Cataract Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Charlestown
Enumerated_Domain_Value_Definition: Charlestown Quadrangle
Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:
Enumerated_Domain_Value: Chestnut Ridge
Enumerated_Domain_Value_Definition: Chestnut Ridge Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Clarksburg
Enumerated_Domain_Value_Definition: Clarksburg Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Clear Creek
Enumerated_Domain_Value_Definition: Clear Creek Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Clifty Falls
Enumerated_Domain_Value_Definition: Clifty Falls Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Clinton Falls
Enumerated_Domain_Value_Definition: Clinton Falls Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Cloverdale
Enumerated_Domain_Value_Definition: Cloverdale Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Cloverport
Enumerated_Domain_Value_Definition: Cloverport Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Coatesville
Enumerated_Domain_Value_Definition: Coatesville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Columbus
Enumerated_Domain_Value_Definition: Columbus Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Corydon East
Enumerated_Domain_Value_Definition: Corydon East Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Corydon West
Enumerated_Domain_Value_Definition: Corydon West Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Crandall
Enumerated_Domain_Value_Definition: Crandall Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Cross Plains
Enumerated_Domain_Value_Definition: Cross Plains Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Decatur
Enumerated_Domain_Value_Definition: Decatur Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:

Enumerated_Domain_Value: Deer Creek
Enumerated_Domain_Value_Definition: Deer Creek Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Delphi
Enumerated_Domain_Value_Definition: Delphi Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Depauw
Enumerated_Domain_Value_Definition: Depauw Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Deputy
Enumerated_Domain_Value_Definition: Deputy Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Derby
Enumerated_Domain_Value_Definition: Derby Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Dunreith
Enumerated_Domain_Value_Definition: Dunreith Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Eaton
Enumerated_Domain_Value_Definition: Eaton Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Edinburg
Enumerated_Domain_Value_Definition: Edinburg Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Elizabethtown
Enumerated_Domain_Value_Definition: Elizabethtown Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Elkinsville
Enumerated_Domain_Value_Definition: Elkinsville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Eminence
Enumerated_Domain_Value_Definition: Eminence Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Forest Hill
Enumerated_Domain_Value_Definition: Forest Hill Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: French Lick
Enumerated_Domain_Value_Definition: French Lick Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Fulda
Enumerated_Domain_Value_Definition: Fulda Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Georgetown

Enumerated_Domain_Value_Definition: Georgetown Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Georgia
Enumerated_Domain_Value_Definition: Georgia Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Goodland
Enumerated_Domain_Value_Definition: Goodland Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Gosport
Enumerated_Domain_Value_Definition: Gosport Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Grammer
Enumerated_Domain_Value_Definition: Grammer Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Greencastle
Enumerated_Domain_Value_Definition: Greencastle Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Greensburg
Enumerated_Domain_Value_Definition: Greensburg Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Hardinsburg
Enumerated_Domain_Value_Definition: Hardinsburg Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Hartsville
Enumerated_Domain_Value_Definition: Hartsville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Hayden
Enumerated_Domain_Value_Definition: Hayden Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Hillham
Enumerated_Domain_Value_Definition: Hillham Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Hindustan
Enumerated_Domain_Value_Definition: Hindustan Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Holland
Enumerated_Domain_Value_Definition: Holland Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Holton
Enumerated_Domain_Value_Definition: Holton Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Hooven
Enumerated_Domain_Value_Definition: Hooven Quadrangle

Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Hope
Enumerated_Domain_Value_Definition: Hope Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Huntington
Enumerated_Domain_Value_Definition: Huntington Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Ingalls
Enumerated_Domain_Value_Definition: Ingalls Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Jeffersonville
Enumerated_Domain_Value_Definition: Jeffersonville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Kent
Enumerated_Domain_Value_Definition: Kent Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Kentland
Enumerated_Domain_Value_Definition: Kentland Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Kokomo East
Enumerated_Domain_Value_Definition: Kokomo East Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Kokomo West
Enumerated_Domain_Value_Definition: Kokomo West Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Laconia
Enumerated_Domain_Value_Definition: Laconia Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Lagro
Enumerated_Domain_Value_Definition: Lagro Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Lanesville
Enumerated_Domain_Value_Definition: Lanesville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Lapel
Enumerated_Domain_Value_Definition: Lapel Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Leavenworth
Enumerated_Domain_Value_Definition: Leavenworth Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Lewisport
Enumerated_Domain_Value_Definition: Lewisport Quadrangle
Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:
Enumerated_Domain_Value: Linn Grove
Enumerated_Domain_Value_Definition: Linn Grove Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Little York
Enumerated_Domain_Value_Definition: Little York Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Livonia
Enumerated_Domain_Value_Definition: Livonia Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Lucerne
Enumerated_Domain_Value_Definition: Lucerne Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Madison East
Enumerated_Domain_Value_Definition: Madison East Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Madison West
Enumerated_Domain_Value_Definition: Madison West Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Mansfield
Enumerated_Domain_Value_Definition: Mansfield Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Marion
Enumerated_Domain_Value_Definition: Marion Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Markle
Enumerated_Domain_Value_Definition: Markle Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Mauckport
Enumerated_Domain_Value_Definition: Mauckport Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Maxville
Enumerated_Domain_Value_Definition: Maxville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: McCoysburg
Enumerated_Domain_Value_Definition: McCoysburg Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Medaryville
Enumerated_Domain_Value_Definition: Medaryville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Metamora
Enumerated_Domain_Value_Definition: Metamora Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:

Enumerated_Domain_Value: Millhousen
Enumerated_Domain_Value_Definition: Millhousen Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Millhousen?
Enumerated_Domain_Value_Definition: Millhousen? Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Milltown
Enumerated_Domain_Value_Definition: Milltown Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Milroy
Enumerated_Domain_Value_Definition: Milroy Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Mitchell
Enumerated_Domain_Value_Definition: Mitchell Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Modesto
Enumerated_Domain_Value_Definition: Modesto Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Monon
Enumerated_Domain_Value_Definition: Monon Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Mount Etna
Enumerated_Domain_Value_Definition: Mount Etna Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Mount Gilboa
Enumerated_Domain_Value_Definition: Gilboa Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Muncie West
Enumerated_Domain_Value_Definition: Muncie West Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: New Corydon
Enumerated_Domain_Value_Definition: New Corydon Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: New Paris
Enumerated_Domain_Value_Definition: New Paris Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: New Point
Enumerated_Domain_Value_Definition: New Point Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: New Salem
Enumerated_Domain_Value_Definition: New Salem Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: New Washington

Enumerated_Domain_Value_Definition: New Washington Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Norman
Enumerated_Domain_Value_Definition: Norman Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: North Vernon
Enumerated_Domain_Value_Definition: North Vernon Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Omega
Enumerated_Domain_Value_Definition: Omega Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Oolitic
Enumerated_Domain_Value_Definition: Oolitic Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Osgood
Enumerated_Domain_Value_Definition: Osgood Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Otisco
Enumerated_Domain_Value_Definition: Otisco Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Owen
Enumerated_Domain_Value_Definition: Owen Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Owensburg
Enumerated_Domain_Value_Definition: Owensburg Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Palmyra
Enumerated_Domain_Value_Definition: Palmyra Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Paoli
Enumerated_Domain_Value_Definition: Paoli Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Peru
Enumerated_Domain_Value_Definition: Peru Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Point Isabel
Enumerated_Domain_Value_Definition: Point Isabel Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Quincy
Enumerated_Domain_Value_Definition: Quincy Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Redkey
Enumerated_Domain_Value_Definition: Redkey Quadrangle

Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Reelsville
Enumerated_Domain_Value_Definition: Reelsville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Remington
Enumerated_Domain_Value_Definition: Remington Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Rensselaer
Enumerated_Domain_Value_Definition: Rensselaer Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Rexville
Enumerated_Domain_Value_Definition: Rexville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Richmond
Enumerated_Domain_Value_Definition: Richmond Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Richvalley
Enumerated_Domain_Value_Definition: Richvalley Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Ridgeville
Enumerated_Domain_Value_Definition: Ridgeville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Russelville
Enumerated_Domain_Value_Definition: Russelville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: San Jacinto
Enumerated_Domain_Value_Definition: San Jacinto Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Scottsburg
Enumerated_Domain_Value_Definition: Scottsburg Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Smedley
Enumerated_Domain_Value_Definition: Smedley Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Solsberry
Enumerated_Domain_Value_Definition: Solsberry Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Somerset
Enumerated_Domain_Value_Definition: Somerset Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Spades
Enumerated_Domain_Value_Definition: Spades Quadrangle
Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:
Enumerated_Domain_Value: Speed
Enumerated_Domain_Value_Definition: Speed Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Spencer
Enumerated_Domain_Value_Definition: Spencer Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Stanford
Enumerated_Domain_Value_Definition: Stanford Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Sullivan
Enumerated_Domain_Value_Definition: Sullivan Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Sweetser
Enumerated_Domain_Value_Definition: Sweetser Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Templeton
Enumerated_Domain_Value_Definition: Templeton Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Templeton NE
Enumerated_Domain_Value_Definition: Templeton NE Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Tunnelton
Enumerated_Domain_Value_Definition: Tunnelton Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Unionville
Enumerated_Domain_Value_Definition: Unionville Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Vernon
Enumerated_Domain_Value_Definition: Vernon Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Vernon?
Enumerated_Domain_Value_Definition: Vernon? Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Versailles
Enumerated_Domain_Value_Definition: Versailles Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Volga
Enumerated_Domain_Value_Definition: Volga Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: Wabash
Enumerated_Domain_Value_Definition: Wabash Quadrangle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:

Enumerated_Domain_Value: Waldron
 Enumerated_Domain_Value_Definition: Waldron Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Warren
 Enumerated_Domain_Value_Definition: Warren Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: West Franklin
 Enumerated_Domain_Value_Definition: West Franklin Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Westport
 Enumerated_Domain_Value_Definition: Westport Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Wheatland
 Enumerated_Domain_Value_Definition: Wheatland Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Whitehall
 Enumerated_Domain_Value_Definition: Whitehall Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Whitewater
 Enumerated_Domain_Value_Definition: Whitewater Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Williams
 Enumerated_Domain_Value_Definition: Williams Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Willshire
 Enumerated_Domain_Value_Definition: Willshire Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Wolcott
 Enumerated_Domain_Value_Definition: Wolcott Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Woodburn South
 Enumerated_Domain_Value_Definition: Woodburn South Quadrangle
 Enumerated_Domain_Value_Definition_Source:
 Attribute:
 Attribute_Label: Qtr
 Attribute_Definition: Subdivision(s) that indicate(s) where the
 abandoned quarry or pit is located within a land survey unit.
 Subdivisions are arranged smallest to largest.
 Attribute_Definition_Source: Computer Database 2
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value:
 Enumerated_Domain_Value_Definition: Location within a survey unit
 is not known.
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: C

Enumerated_Domain_Value_Definition: Center
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: CEL
Enumerated_Domain_Value_Definition: Center of the east line
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: CNEL
Enumerated_Domain_Value_Definition: Center of the northeast line
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: CNWL
Enumerated_Domain_Value_Definition: Center of the northwest line
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: CNL
Enumerated_Domain_Value_Definition: Center of the north line
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: CSEL
Enumerated_Domain_Value_Definition: Center of the southeast line
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: CSL
Enumerated_Domain_Value_Definition: Center of the south line
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: CSWL
Enumerated_Domain_Value_Definition: Center of the southwest line
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: CWL
Enumerated_Domain_Value_Definition: Center of the west line
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: E
Enumerated_Domain_Value_Definition: East half or quarter
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: EC
Enumerated_Domain_Value_Definition: East corner
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: N
Enumerated_Domain_Value_Definition: North half or quarter
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: NC
Enumerated_Domain_Value_Definition: North corner
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: NE
Enumerated_Domain_Value_Definition: Northeast quarter
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: NEC
Enumerated_Domain_Value_Definition: Northeast corner


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    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: NW
    Enumerated_Domain_Value_Definition: Northwest quarter
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: NWC
    Enumerated_Domain_Value_Definition: Northwest corner
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: S
    Enumerated_Domain_Value_Definition: South half or quarter
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: SC
    Enumerated_Domain_Value_Definition: South corner
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: SE
    Enumerated_Domain_Value_Definition: Southeast quarter
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: SEC
    Enumerated_Domain_Value_Definition: Southeast corner
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: SW
    Enumerated_Domain_Value_Definition: Southwest quarter
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: SWC
    Enumerated_Domain_Value_Definition: Southwest corner
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: W
    Enumerated_Domain_Value_Definition: West half or quarter
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: WC
    Enumerated_Domain_Value_Definition: West corner
    Enumerated_Domain_Value_Definition_Source:
Attribute:
Attribute_Label: SecTyp
Attribute_Definition: The type of land survey unit in which the quarry
    is located.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Enumerated_Domain:
    Enumerated_Domain_Value:
    Enumerated_Domain_Value_Definition: Survey subdivision is not known.
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: CMG
    Enumerated_Domain_Value_Definition: Clark Military Grant
    Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
    Enumerated_Domain_Value: Don.

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Enumerated_Domain_Value_Definition: Donation
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Grant
 Enumerated_Domain_Value_Definition: Grant
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Res.
 Enumerated_Domain_Value_Definition: Reserve
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: Sec.
 Enumerated_Domain_Value_Definition: Section
 Enumerated_Domain_Value_Definition_Source:
 Attribute:
 Attribute_Label: SecNum
 Attribute_Definition: Numerical designation of the land survey unit
 Attribute_Definition_Source: Computer Database 2
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 1
 Range_Domain_Minimum: 246
 Attribute:
 Attribute_Label: Sec?
 Attribute_Definition: Variable to indicate uncertainty regarding the
 SecTyp or SecNum variables.
 Attribute_Definition_Source: Computer Database 2
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value:
 Enumerated_Domain_Value_Definition: SecTyp and SecNum are regarded
 as correct.
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: ?
 Enumerated_Domain_Value_Definition: SecTyp or SecNum is uncertain.
 Enumerated_Domain_Value_Definition_Source:
 Attribute:
 Attribute_Label: TwpNum
 Attribute_Definition: Township number
 Attribute_Definition_Source: Computer Database 2
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 1
 Range_Domain_Minimum: 35
 Attribute:
 Attribute_Label: TwpDir
 Attribute_Definition: Direction of the township relative to the regional
 baseline for Indiana (Buckingham's Baseline).
 Attribute_Definition_Source: Computer Database 2
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value:
 Enumerated_Domain_Value_Definition: Township direction not known
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: N

Enumerated_Domain_Value_Definition: North of the regional baseline
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: S
 Enumerated_Domain_Value_Definition: South of the regional baseline
 Enumerated_Domain_Value_Definition_Source:
 Attribute:
 Attribute_Label: Twp?
 Attribute_Definition: Variable to indicate uncertainty regarding the
 TwpNum or TwpDir variables.
 Attribute_Definition_Source: Computer Database 2
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value:
 Enumerated_Domain_Value_Definition: TwpNum and TwpDir variables are
 regarded as correct.
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: ?
 Enumerated_Domain_Value_Definition: TwpNum or TwpDir value is
 uncertain.
 Enumerated_Domain_Value_Definition_Source:
 Attribute:
 Attribute_Label: RngNum
 Attribute_Definition: Range number.
 Attribute_Definition_Source: Computer Database 2
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 1
 Range_Domain_Minimum: 15
 Attribute:
 Attribute_Label: RngDir
 Attribute_Definition: Direction of the range relative to the regional
 meridian (Second Principal Meridian).
 Attribute_Definition_Source: Computer Database 2
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value:
 Enumerated_Domain_Value_Definition: Direction of range not known.
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value:E
 Enumerated_Domain_Value_Definition: East of the regional meridian.
 Enumerated_Domain_Value_Definition_Source:
 Enumerated_Domain:
 Enumerated_Domain_Value: W
 Enumerated_Domain_Value_Definition: West of the regional meridian.
 Enumerated_Domain_Value_Definition_Source:
 Attribute:
 Attribute_Label: Rng?
 Attribute_Definition: Variable to indicate uncertainty regarding the
 RngNum or RngDir variables.
 Attribute_Definition_Source: Computer Database 2
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value:
 Enumerated_Domain_Value_Definition: RngNum and RngDir variables are

regarded as correct.
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: ?
Enumerated_Domain_Value_Definition: RngNum or RngDir value is uncertain.
Enumerated_Domain_Value_Definition_Source:

Attribute:
Attribute_Label: Elev
Attribute_Definition: The elevation of a reference point in or near the quarry used as the starting point for stratigraphic measurements.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 170
Range_Domain_Minimum: 1040

Attribute:
Attribute_Label: AvgThk
Attribute_Definition: The average thickness of the quarried rock unit.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 1
Range_Domain_Minimum: 180

Attribute:
Attribute_Label: Area
Attribute_Definition: Area (in acres) of the quarry.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 0.05
Range_Domain_Minimum: 62.0

Attribute:
Attribute_Label: TotPrd
Attribute_Definition: Total known production of the quarry (short tons).
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 80
Range_Domain_Minimum: 22000000

Entity_Type:
Entity_Type_Label: QUASTR
Entity_Type_Definition: The Stratigraphic Table contains information about bedrock and unconsolidated deposits observed in or near an abandoned quarry or pit. Each record in the Stratigraphic Table contains a rock description and stratigraphic classification for a unit in a stratigraphic section recorded in or near an abandoned quarry or pit. Any number of units (records) can compose a stratigraphic section. Variables in the Stratigraphic Table represent components of the rock-unit description and stratigraphic classification useful in sorting and retrieving stratigraphic data.
Entity_Type_Definition_Source: None

Attribute:
Attribute_Label: QuaNum
Attribute_Definition: Database identification number that links entries in the Location Table to records in the Bibliographic, History of Operation, and Stratigraphic Tables. Numbers were assigned

sequentially as the data were processed. The numbers are not intended to represent an organization of the data.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 1

Range_Domain_Minimum: 1134

Attribute:

Attribute_Label: Unit

Attribute_Definition: Stratigraphic unit number in a measured section or drill hole.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 1

Range_Domain_Minimum: 11

Attribute:

Attribute_Label: Thk

Attribute_Definition: Thickness of the stratigraphic unit in feet and decimal feet. If the abandoned quarry or pit was not field-checked (see Bibliographic Table) thickness may be an approximate.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 1.0

Range_Domain_Minimum: 114.5

Attribute:

Attribute_Label: LthMod

Attribute_Definition: Modifier for the rock type (Lth variable). If the abandoned quarry or pit was not field-checked (see Bibliographic Table) terminology may be nonstandard.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 13 characters for this field.

Attribute:

Attribute_Label: Lth

Attribute_Definition: Rock type. If the abandoned quarry or pit was not field-checked (see Bibliographic Table) terminology may be nonstandard.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 22 characters for this field.

Attribute:

Attribute_Label: Col

Attribute_Definition: Rock color. One rock color is allowed for each stratigraphic unit. Color terms are generalized from original descriptions. If the abandoned quarry or pit was not field-checked (see Bibliographic Table) terminology may be nonstandard.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 14 characters for this field.

Attribute:

Attribute_Label: Mod1

Attribute_Definition: A rock property not included in the LthMod, Lth,

or Col variables. Any primary or secondary rock property can be recorded in this variable. If the abandoned quarry or pit was not field-checked (see Bibliographic Table) terminology may be nonstandard.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 17 characters for this field.

Attribute:

Attribute_Label: Mod2

Attribute_Definition: A second rock property not included in the LthMod, Lth, or Col variables. Any primary of secondary rock property can be recorded in this variable. If the abandoned quarry or pit was not field-checked (see Bibliographic Table) terminology may be nonstandard.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 14 characters for this field.

Attribute:

Attribute_Label: Sys

Attribute_Definition: Chronostratigraphic system to which the unit described in the record belongs. Any system name or combination of system names is an acceptable value.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 26 characters for this field.

Attribute:

Attribute_Label: Fm

Attribute_Definition: Lithostratigraphic group or formation to which the unit described in the record belongs. Any Indiana formation or group name recognized by the IGS is an acceptable value for this variable. A group name is used when the formation name is not certain.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 25 characters for this field.

Attribute:

Attribute_Label: Mbr

Attribute_Definition: Lithostratigraphic member to which the unit described in the record belongs. Any Indiana member name recognized by the IGS is an acceptable value for this variable.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 30 characters for this field.

Attribute:

Attribute_Label: Smp

Attribute_Definition: Identifier for channel or grab samples from the unit. Sample identifiers refer to chemical samples, petrographic samples, and so on. Sample data is stored in IGS files or computer databases.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Enumerated_Domain_Value: CA81023

Enumerated_Domain_Value_Definition: Sample identification name

Enumerated_Domain_Value_Definition_Source:
Entity_Type:
Entity_Type_Label: QUAHIS
Entity_Type_Definition: Each record in the History of Operation Table documents an event in the operating history of the abandoned quarry or pit. Every known event, such as opening, closing, yearly production, change in ownership, and so on was included in the History of Operation Table. Variables in the History of Operation Table document the date and nature of the events and make it possible to sort or retrieve the data by date or event.
Entity_Type_Definition_Source: Computer Database 2
Attribute:
Attribute_Label: QuaNum
Attribute_Definition: Database identification number that links entries in the Location Table to records in the Bibliographic, History of Operation, and Stratigraphic Tables. Numbers were assigned sequentially as the data were processed. The numbers are not intended to represent an organization of the data.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 1
Range_Domain_Maximum: 1134
Attribute:
Attribute_Label: QuaNme
Attribute_Definition: Name(s) of the quarry or pit. Occasionally, however, a quarry is known by more than one name at the same time. In these cases the first occurring name or the name believed to be correct is listed first in the QuaNme variable and all other names are listed in parenthesis following the first.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Unrepresentable_Domain: Alphanumeric character string, current database version requires 41 characters for this field.
Attribute:
Attribute_Label: SeqNum
Attribute_Definition: A sequencing code number to force the Sts codes to sort in correct order when date information is not adequate to establish the order of events.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value:
Enumerated_Domain_Value_Definition: Status not known
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: 1
Enumerated_Domain_Value_Definition: Opening date
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: 2
Enumerated_Domain_Value_Definition: Operating or idle
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: 3
Enumerated_Domain_Value_Definition: Closing date
Enumerated_Domain_Value_Definition_Source:

Attribute:

Attribute_Label: Sts

Attribute_Definition: Operating status of the quarry or pit during the time period specified in the date fields.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: active

Enumerated_Domain_Value_Definition: Quarry or pit was operating during the time period specified in the date fields.

Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:

Enumerated_Domain_Value: closed

Enumerated_Domain_Value_Definition: Quarry or pit ceased operation during the time period specified in the date fields.

Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:

Enumerated_Domain_Value: idle

Enumerated_Domain_Value_Definition Quarry or pit was temporarily inactive during the specified period of time.

Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:

Enumerated_Domain_Value: opened

Enumerated_Domain_Value_Definition: Quarry or pit began operation during the time period specified in the date fields.

Enumerated_Domain_Value_Definition_Source:

Attribute:

Attribute_Label: Mod

Attribute_Definition: First date field. Modifier term to clarify the data reported in the date fields that follow.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: after

Enumerated_Domain_Value_Definition: The event occurred after the time period specified in the date fields.

Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:

Enumerated_Domain_Value: before

Enumerated_Domain_Value_Definition: The event occurred before the time period specified in the date fields.

Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:

Enumerated_Domain_Value: early

Enumerated_Domain_Value_Definition: The event occurred early in the time period specified in the date fields.

Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:

Enumerated_Domain_Value: late

Enumerated_Domain_Value_Definition: The event occurred late in the time period specified in the date fields.

Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:

Enumerated_Domain_Value: mid

Enumerated_Domain_Value_Definition: The event occurred in the middle of the time period specified in the date fields.

Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:
Enumerated_Domain_Value: uncertain
Enumerated_Domain_Value_Definition: The event probably occurred in the time period specified in the date fields.
Enumerated_Domain_Value_Definition_Source:

Attribute:

Attribute_Label: Cen
Attribute_Definition: The century in which the event occurred. This is the first of three variables documenting the date of an event. A Cen value accompanied by blanks in the Dec and Yr variables indicates the date is known to the nearest century.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 18
Range_Domain_Minimum: 19

Attribute:

Attribute_Label: Dec
Attribute_Definition: The decade in which the event occurred. This is the second of three variables documenting the date of an event. A Cen and Dec value accompanied by a blank in the Yr variable indicates the date is known to the nearest decade.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 0
Range_Domain_Minimum: 9

Attribute:

Attribute_Label: Yr
Attribute_Definition: The year in which the event occurred. This is the third of three variables documenting the date of an event. A Cen, Dec, and Yr value indicates the date is known to the nearest year.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 0
Range_Domain_Minimum: 9

Attribute:

Attribute_Label: Opr
Attribute_Definition: The name of the company or individual operating the quarry or pit during the time period specified in the date variables. This field is blank when the operator of the quarry or pit during the time period specified in the date variables is not known.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Unrepresentable_Domain: Alphanumeric character field, current version of the database requires 41 characters for this field.

Attribute:

Attribute_Label: Prd1
Attribute_Definition: The primary product produced during the time period specified in the date fields.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value:
Enumerated_Domain_Value_Definition: Product(s) not known.
Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:
Enumerated_Domain_Value: crushed stone
Enumerated_Domain_Value_Definition: Crushed stone of any size or composition.
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: dimension stone
Enumerated_Domain_Value_Definition: Any dimension stone product.
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: limestone
Enumerated_Domain_Value_Definition: Unspecified limestone product(s) probably crushed limestone.
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: veneer
Enumerated_Domain_Value_Definition: Veneer stone of any size or composition.
Enumerated_Domain_Value_Definition_Source:
Attribute:
Attribute_Label: Prd2
Attribute_Definition: A secondary product produced during the time period specified in the date variables.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Enumerated_Domain:
Enumerated_Domain_Value:
Enumerated_Domain_Value_Definition: Product(s) not known.
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: crushed stone
Enumerated_Domain_Value_Definition: Crushed stone of any size or composition.
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: dimension stone
Enumerated_Domain_Value_Definition: Any dimension stone product.
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: limestone
Enumerated_Domain_Value_Definition: Unspecified limestone product(s) probably crushed limestone.
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: veneer
Enumerated_Domain_Value_Definition: Veneer stone of any size or composition.
Enumerated_Domain_Value_Definition_Source:
Entity_Type:
Entity_Type_Label: QUAREF
Entity_Type_Definition: Each record in the Bibliographic Table is a bibliographic citation. Bibliographic citations are linked to abandoned quarries or pits by the QuaNum variable to allow retrieval of all references to an abandoned quarry or pit, a selected group of quarries or pits, or all of the quarries and pits referred to in a selected reference or list of references. The variables in the Bibliographic Table represent the elements of a bibliographic citation

one is likely to use in sorting or retrieving bibliographic data. Punctuation and capitalization within variables approximates the bibliographic style used by the IGS. Minor variations in the punctuation and organization of citations is incorporated into this database table to facilitate database searches and allow the citation of sources such as aerial photographs, field notebooks, field checks, and so on.

Entity_Type_Definition_Source: None

Attribute:

Attribute_Label: QuaNum

Attribute_Definition: Database identification number that links entries in the Location Table to records in the Bibliographic, History of Operation, and Stratigraphic Tables. Numbers were assigned sequentially as the data were processed. The numbers are not intended to represent an organization of the data.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 1

Range_Domain_Maximum: 1134

Attribute:

Attribute_Label: Aut

Attribute_Definition: Author(s) of the reference to a quarry. An author's initials and surname are given in reversed order. Multiple authors are listed in the Aut variable as a string punctuated in standard bibliographic style.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 46 characters for this field.

Attribute:

Attribute_Label: Day

Attribute_Definition: Day in the date of a reference to a quarry or pit. The first of three variables documenting the date of a reference.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 1

Range_Domain_Maximum: 31

Attribute:

Attribute_Label: Mon

Attribute_Definition: Month in the date of a reference to a quarry or pit. The second of three variables documenting the date of a reference.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: April

Enumerated_Domain_Value_Definition: Month of April

Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:

Enumerated_Domain_Value: August

Enumerated_Domain_Value_Definition: Month of August

Enumerated_Domain_Value_Definition_Source:

Enumerated_Domain:

Enumerated_Domain_Value: December

Enumerated_Domain_Value_Definition: Month of December

Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: February
Enumerated_Domain_Value_Definition: Month of February
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: January
Enumerated_Domain_Value_Definition: Month of January
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: July
Enumerated_Domain_Value_Definition: Month of July
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: June
Enumerated_Domain_Value_Definition: Month of June
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: March
Enumerated_Domain_Value_Definition: Month of March
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: May
Enumerated_Domain_Value_Definition: Month of May
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: November
Enumerated_Domain_Value_Definition: Month of November
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: October
Enumerated_Domain_Value_Definition: Month of October
Enumerated_Domain_Value_Definition_Source:
Enumerated_Domain:
Enumerated_Domain_Value: September
Enumerated_Domain_Value_Definition: Month of September
Enumerated_Domain_Value_Definition_Source:

Attribute:

Attribute_Label: Yr
Attribute_Definition: Year in the date of a reference to a quarry or pit. The third of three variables documenting the date of a reference.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 1862
Range_Domain_Minimum: 1993

Attribute:

Attribute_Label: Tle
Attribute_Definition: Title of a reference to an abandoned quarry or pit. Titles are cited as they occur in the original published or informal source. A person's name is reported in the Tle variable when the source is a personal communication. The Tle variable is blank when the title of the source is not known.
Attribute_Definition_Source: Computer Database 2
Attribute_Domain_Values:
Unrepresentable_Domain: Alphanumeric character string, current database version requires 230 characters for this field.

Attribute:

Attribute_Label: Src

Attribute_Definition: Source of reference to a quarry (publication, field notebook, aerial photo number, and so on). Sources of information about abandoned quarries and pits are cited in standard bibliographic style in the Src variable. A source that does not have formal title, such as a field note, field reconnaissance, personal communication, or aerial photograph, is not capitalized. The Src variable is blank when the source is not known.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 82 characters for this field.

Attribute:

Attribute_Label: Pgs

Attribute_Definition: Pages where a reference to a quarry was found. Pages are cited in standard bibliographic style. Variable is blank when the pages are not known or pagination is not relevant.

Attribute_Definition_Source: Computer Database 2

Attribute_Domain_Values:

Unrepresentable_Domain: Alphanumeric character string, current version of the database requires 31 characters for this field.

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Resource_Description: QuarryDB: Abandoned Industrial Mineral Quarries in Indiana (Indiana Geological Survey, Access 2000 database)

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METADATA_REFERENCE_INFORMATION

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Metadata_Review_Date: 20010625

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Metadata_Standard_Name: FGDC CSDGM

Metadata_Standard_Version: FGDC-STD-001-1998