Sample Metadata File – Q&A

Seismotectonic maps in the vicinity of the lower Wabash Valley, Illinois, Indiana, and Kentucky - Digital Spatial Database: Primary and secondary roads from digital line graph

Metadata also available as - [Outline] - [Parseable text] - [XML] - [DIF]

Frequently-anticipated questions:

- What does this data set describe?
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    2. What geographic area does the data set cover?
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    4. Does the data set describe conditions during a particular time period?
    5. What is the general form of this data set?
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    7. How does the data set describe geographic features?
- Who produced the data set?
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- How was the data set created?
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- How reliable are the data; what problems remain in the data set?
    1. How well have the observations been checked?
    2. How accurate are the geographic locations?
    3. How accurate are the heights or depths?
    4. Where are the gaps in the data? What is missing?
    5. How consistent are the relationships among the data, including topology?
- How can someone get a copy of the data set?
    1. Are there legal restrictions on access or use of the data?
    2. Who distributes the data?
    3. What's the catalog number I need to order this data set?
    4. What legal disclaimers am I supposed to read?
    5. How can I download or order the data?
- Who wrote the metadata?
-

What does this data set describe?

Title:

Seismotectonic maps in the vicinity of the lower Wabash Valley, Illinois, Indiana, and Kentucky - Digital Spatial Database: Primary and secondary roads from digital line graph

Abstract:

Road network selected from 100 K Digital Line Graph data. Only class 1 and class 2 roads are shown. These are primary and secondary roads, almost all are divided highways. These are considered to be infrastructure at risk from a large earthquake, and also lifelines into damaged areas.

1. **How should this data set be cited?**

   Rhea, Susan, 1997, Seismotectonic maps in the vicinity of the lower Wabash Valley, Illinois, Indiana, and Kentucky - Digital Spatial Database: Primary and secondary roads from digital line graph: U.S. Geological Survey Open-File Report 97-0681, U.S. Geological Survey, Denver,CO.

   Online Links:

   - <ftp://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-97-0681>

2. **What geographic area does the data set cover?**

   West_Bounding_Coordinate: -89.00002289
   East_Bounding_Coordinate: -86.99998474
   North_Bounding_Coordinate: 39.00003052
   South_Bounding_Coordinate: 36.49998474

3. **What does it look like?**
4. **Does the data set describe conditions during a particular time period?**
   Calendar_Date: 1980

5. **What is the general form of this data set?**
   Geospatial_Data_Presentation_Form: map

6. **How does the data set represent geographic features?**
   a. **How are geographic features stored in the data set?**

      This is a Vector data set. It contains the following vector data types (SDTS terminology):
      - Point (0)
      - String (4796)
      - GT-polygon composed of chains (0)

   b. **What coordinate system is used to represent geographic features?**

      Horizontal positions are specified in geographic coordinates, that is, latitude and longitude. Latitudes are given to the nearest .002. Longitudes are given to the nearest .002. Latitude and longitude values are specified in Decimal Degrees.

      The horizontal datum used is Unknown.
      The ellipsoid used is Clarke 1866.
      The semi-major axis of the ellipsoid used is 6378206.4.
      The flattening of the ellipsoid used is 1/294.98.

7. **How does the data set describe geographic features?**

   RD12.AAT

   codes for description of roads (Source: National Mapping Division)

   ACODE

   linecode describing type of line (Source: National Mapping Division)

Value	Definition
0	
11	
13	
14	
15	
24	
42	primary and secondary roads

Who produced the data set?

1. **Who are the originators of the data set?** (may include formal authors, digital compilers, and editors)
   - Rhea, Susan
2. **Who also contributed to the data set?**
   Rhea
3. **To whom should users address questions about the data?**

   Susan Rhea
   US Geological Survey
   Geophysicist
   MS966, Box 25046, Federal Center
   Denver, CO 80225
   USA

   303-273-8639 (voice)
   303-273-8600 (FAX)
   rhea@usgs.gov

   Contact_Instructions: email is the best way to make contact

Why was the data set created?

The data was generated to help in understanding the seismotectonic hazards in the vicinity of the lower Wabash Valley. This data complements similar data collected in the vicinity of New Madrid, MO (US Geological Survey Open-File Report 95-0574, available via ftp at <ftp://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-95-0574>)

How was the data set created?

1. **From what previous works were the data drawn?**
   (source 1 of 1)
   U.S. Geological Survey, Mapping Division, 1990, Digital Line Graph: DLG Data, US Geological Survey.

   Other_Citation_Details: scale 1:100,000

   Type_of_Source_Media: electronic

   Source_Scale_Denominator: 100000

2. **How were the data generated, processed, and modified?**

   Date: 09-Aug-1994 (process 1 of 1)

   Downloaded DLG's from Eros Data Center's internet web server (<http://edcwww.cr.usgs.gov/dsprod/prod.html#cartographic>). Processed data so that 15' quads could be combined into one cover using equalize, addcode, and append commands in arcinfo. Ran coversion software written by National Mapping Division to reclassify attributes into one attribute. Deleted major/minor codes.

   Selected roads with codes for primary and secondary roads, and edited to join lines for continuous roads. Lines have acode values 11-14, 42-43 for primary roads (class 1), and values 15-18 for secondary roads (class 2)

How reliable are the data; what problems remain in the data set?

1. **How well have the observations been checked?**

   The attribute accuracy is described, where present, with each attribute defined in the Entity and Attribute Section.

2. **How accurate are the geographic locations?**
3. **How accurate are the heights or depths?**
4. **Where are the gaps in the data? What is missing?**
   publication date

5. **How consistent are the relationships among the observations, including topology?**
   Chain-node topology present.

How can someone get a copy of the data set?

Are there legal restrictions on access or use of the data?

Access_Constraints: none
Use_Constraints: none

1. **Who distributes the data set?** (Distributor 1 of 1)

   Susan Rhea
   US Geological Survey
   Geophysicist
   USGS Mail Stop 966
   Box 25046, Federal Center
   Denver, CO 80225-0046
   USA

   303-273-8639 (voice)
   303-273-8600 (FAX)
   rhea@usgs.gov

   Contact_Instructions: Email is the best way to make contact.

2. **What's the catalog number I need to order this data set?**

   `USGS Open-File Report 97-0681`

3. **What legal disclaimers am I supposed to read?**

   This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

4. **How can I download or order the data?**
   - **Availability in digital form:**

     Data format: Each coverage contains isoseismal data for one event (two for i187609) in format ARCE (version 7.0.3)

     Network links: <ftp://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-97-0681/e00_files/rd12.e00>

   - **Cost to order the data:** none

5. **What hardware or software do I need in order to use the data set?**

   ARC/INFO version 7.0.3 or later or ArcView 3.0 or later

Who wrote the metadata?

Dates:

Last modified: 06-May-1998

Metadata author:

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US Geological Survey
Geophysicist
MS966, Box 25046, Federal Center
Denver, CO 80225
USA

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Metadata standard:

FGDC Content Standards for Digital Geospatial Metadata (FGDC-STD-001-1998)

Generated by mp version 2.6.1 on Wed Sep 6 21:39:41 2000
U.S. Geological Survey Geologic Information