Appendix B
Metadata for Arc/Info format Highway Vector Coverage

HDDS provides a METADATA option which allows the user to select one of two coverages, highways and hydrologic regions, then browse through sections of metadata in any order. Only the highway metadata are printed here.

1. Identification_Information: Coverage name txrds
  Citation:
   Citation_Information:
    Originator: Peter N. Smith, Graduate Student, University of Texas at Austin
    Publication_Date: 1995
    Title: Sulphur River Basin State Highways
    Publication_Information: CRP report "Hydrologic Data Development System"
     Publication_Place: Center for Research in Water Resources, UT
     Publisher: Dr. David Maidment
  Description:
   Abstract:
    The highways within a rectangular map extent of the Sulphur River Basin in northeast Texas are contained in an ArcInfo format vector coverage of lines. The highways were abstracted from the USGS 1:2,000,000 digital line graphs after having been line delimited, imported into ArcInfo and projected into Albers Equal Area. Highway names were subsequently added as attributes.
   Purpose:
    The highways are used for locational purposes and to identify highway crossings of streams for a prototype hydrologic analysis tool entitled Hydrologic Data Development System.
  Time_Period_of_Content:
   Time_Period_Information:
    Range_of_Dates/Times:
     Beginning_Date: Jan 1995
     Ending_Date: May 1995
   Currentness_Reference: publication date
  Status:
   Progress: Complete
   Maintenance_and_Update_Frequency: None scheduled
  Spatial_Domain:
   Bounding_Coordinates:
    West_Bounding_Coordinate: -35154.781
    East_Bounding_Coordinate: 50935.356
    North_Bounding_Coordinate: 1185953.813
    South_Bounding_Coordinate: 1141838.434
  Keywords:
   Theme:
    Theme_Keyword_Thesaurus: None.
    Theme_Keyword: Highways
    Theme_Keyword: DLG
    Theme_Keyword: Digital Line Graph
   Place:
    Place_Keyword_Thesaurus: None
    Place_Keyword: University of Texas at Austin

Place_Keyword_Thesaurus: None

Access_Constraints: None
Use_Constraints:
None.

2. Data_Quality_Information

Attribute_Accuracy:
Attribute_Accuracy_Report:
The accuracy of hyghway names was tested by performing spatial queries within ArcInfo and comparing selected arcs with a Texas Department of Transportation Highway paper map.

Logical_Consistency_Report:
There are no extraneous intersections; that is, a line does not join or cross another line, or itself, except at a node. No line extends through a node.

Completeness_Report:
Data completeness generally reflects the content of the original source digital line graphs.
Positional_Accuracy:
Horizontal_Positional_Accuracy:
Horizontal_Positional_Accuracy_Report:
There is noticable displacement between this coverage and larger scale (1:100, 000) data.
Lineage:
Source_Information:
Source_Citation:
Citation_Information:
Originator: U.S. Geological Survey
Publication_Date: 1980
Title: 1:2000,000 scale Digital Line Graphs
Geospatial_Data_Presentation_Form: Digital
Publication_Information:
Publication_Place: Reston, Virginia
Publisher: U.S. Geological Survey
Source_Scale_Denominator: 2000000
Type_of_Source_Media: Internet
Source_Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Calendar_Date: 1980
Source_Currentness_Reference: publication date
Source_Citation_Abbreviation: DLG
Source_Contribution: spatial and attribute information

Process_Step:
Process_Description:
The source data was retrieved from the USGS World Wide Web Site:•

The data was line delimited in UNIX and then imported into ArcInfo. The highways in the vicinnity of the Sulphur River basin were then clipped and projected into an Albers Equal Area

Projection. Highway names were then added as attributes in the Arc Attribute table for the highway coverage.
Source_Used_Citation_Abbreviation:
DLG
Process_Date: Jan 1995

3. Spatial_Data_Organization_Information

Indirect_Spatial_Reference:
For original linear features:
U.S. Department of the Interior, U.S. Geological Survey.:
Direct_Spatial_Reference_Method: Arc/Info Vector

4. Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:
Planar:
Map_Projection:
Map_Projection_Name: Albers Conical Equal Area
Albers_Conical_Equal_Area:
Standard_Parallel:
1st standard parallel 29.5N
Standard_Parallel:
2nd standard parallel 45.5N
Longitude_of_Central_Meridian: 96.0W
Latitude_of_Projection_Origin: 23.0N
False_Easting: 0.0
False_Northing: 0.0
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 50.80
Ordinate_Resolution: 50.80
Planar_Distance_Units: meters
Geodetic_Model:
Horizontal_Datum_Name: North American Datum 1927
Ellipsoid_Name: Clark 1866
Semi-major_Axis: 6378206.4
Denominator_of_Flattening_Ratio: 294.98

5. Entity_and_Attribute_Information:

Overview_Description:
Entity_and_Attribute_Overview:
No attributes from the original DLG data were employed. The DLG attributes did not include highway name. Since highway name is intended to be the main means by which highways are identified, it was necessary to manually edit the arc attribute tables to include the Texas DOT designation.
Entity_and_Attribute_Detail_Citation:
Hydrologic Data Development System, Masters Thesis, Peter N. Smith, P.E., Aug 1995
1995.

6. Distribution_Information:

Distributor:
Contact_Information:
Contact_Organization_Primary: Dr. David Maidment
Contact_Organization: University of Texas
Contact_Address:
Address_Type: Mailing
Address: University of Texas at Austin
City: Austin
State_or_Province: Texas
Postal_Code:
Contact_Voice_Telephone: 512-471-0129
Hours_of_Service: **Pot luck!**
Contact_Instructions:

Resource_Description: Sulphur River Basin State Highways

Distribution_Liability:
This data is prototypical only. No warranty expressed or implied is made by the author regarding the utility of the data, nor shall the act of distribution constitute any such warranty.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: ArcInfo
Format_Version_Date: 7.02
Format_Specification: Vector
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: txrds

Offline_Option:
Offline_Media:
Recording_Format:
Offline_Option:
Offline_Media:
Recording_Capacity:
Recording_Density:
Recording_Density:
Recording_Density_Units:
Recording_Format:
ASCII
Fees:

7. Metadata_Reference_Information:

Metadata_Date: April 1995
Metadata_Contact:
Contact_Information: Peter N. Smith c/o Dr. David Maidment
Contact_Organization_Primary: CRWR @University of Texas

Contact_Organization: University of Texas
Contact_Address:
Address_Type: mailing address
Address: University of Texas at Austin
City: Austin
State_or_Province: Texas
Postal_Code:
Contact_Voice_Telephone: 512-471-0065 (tee hee)
Metadata_Standard_Name: Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: 19940608