

Introduction Potential Surface for *Sirex noctilio*

Data format: Raster Dataset - ESRI GRID

File or table name: Introduction

Coordinate system: Albers Conical Equal Area

Theme keywords: Forest Pathogen, Exotic, Sirex Woodwasp, *Sirex noctilio*, Introduction

Abstract: The Introduction Potential Surface for *Sirex noctilio* was produced for the Conterminous United States (CUS) in 1 square kilometer (km²) units by the U.S. Forest Service, Forest Health Technology Enterprise Team's (FHTET) Invasive Species Steering Committee

FGDC and ESRI Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)

Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with green text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with a green asterisk (*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

Identification Information:

Citation:

Citation information:

Originators: Forest Health Technology Team (FHTET) USDA Forest Service

Title:

Introduction Potential Surface for *Sirex noctilio*

***File or table name:** introduction

Tool name: Sirex_newyork

Model Name: Sirex_fin

Publication date: 5-9-2006

***Geospatial data presentation form:** raster digital data

Series information:

Series name: Version 1.0

Issue identification: 5-9-2006

Publication information:

Publication place: Fort Collins, Colorado

Publisher: Marla C. Downing

Online linkage: http://www.fs.fed.us/foresthealth/technology/invasives_sirexnoctilio_riskmaps.shtml

Larger work citation:**Citation information:**

Originators: Forest Health Technology Enterprise Team (FHTET) USDA Forest Service

Title:

Introduction Potential Surface for *Sirex noctilio*

Publication date: 5-9-2006

Edition: 2.0

Geospatial data presentation form: map

Online linkage: <http://www.fs.fed.us/foresthealth/technology/products.shtml>

Description:**Abstract:**

The Introduction Potential Surface for *Sirex noctilio* was produced for the Conterminous United States (CUS) in 1 square kilometer (km²) units by the U.S. Forest Service, Forest Health Technology Enterprise Team's (FHTET) Invasive Species Steering Committee; a multidisciplinary team with participation from United States Forest Service (USFS) and the Animal and Plant Inspection Service (APHIS).

Purpose:

The product's intended use in conjunction with the Establishment Potential Surface is to develop a Susceptibility Potential Surface for *Sirex noctilio*. Three primary datasets with standardized values from 0 to 10 were used as variables in the analysis. Each dataset was multiplied by its arithmetic weight and the resultant values were combined in a weighted overlay. The final Introduction Potential Surface output values also range from 0 to 10; with 10 being the highest potential of introduction.

Supplemental information:

Each of the variables was used to depict potential locations where *Sirex noctilio* could be released into the CUS. To delineate its potential flight range, a curvilinear distance decay value was assigned with a potential rating of 10 at the source location and decreasing to 0 at 50 miles away.

The final Introduction Potential Surface output values also range from 0 to 10, with 10 having the highest potential of introduction. Each of the variables was used to depict potential locations where *Sirex noctilio* could be released into the CUS. To delineate *Sirex noctilio* potential flight range, a curvilinear distance decay value was assigned with a potential rating of 10 at the location and decreasing to 0 at 50 miles away.

The Three Primary data sets are as follows:

- 1) **Principal Ports.** Source: Army Corps of Engineer, Waterborne Commerce, Foreign Cargo Statistics (1996 to 2003). A summary of imported tonnage of commodities that use Solid Wood Packing Material (SWPM), the packing material associated with Siricidae species interceptions, recorded in the APHIS Pest Interception Network (PIN) 309 data base. Only commodities exported from countries where *Sirex noctilio* is present were included. This point data was converted to 1 km² grid cells.
- 2) **Markets.** Source: Federal Highway Administration, Freight Management and Operations, Freight Analysis Framework, Highway Truck Volume and Capacity Data and Environmental

Systems Research Institute's (ESRI) City polygon Data. Flow/capacity data was used to determine the number of truck trips occurring within the city polygons, which were then used to define potential markets.

- 3) **Distribution Centers.** Sources: National Transportation Atlas Database (2003). Distribution centers that handle commodities that likely use SWPM during transport were considered. (Appendix 1).

Analysis

Finally, each data set was used in a weighted overlay process where Principal Ports = 33% and Markets = 33% and Distribution centers = 34%.

***Language of dataset:** en

Time period of content:

Time period information:

Single date/time:

Calendar date: 5-9-2006

Currentness reference:

publication date

Status:

Progress: Planned

Maintenance and update frequency: As needed

Spatial domain:

Bounding coordinates:

***West bounding coordinate:** -131.718010

***East bounding coordinate:** -50.048796

***North bounding coordinate:** 54.232833

***South bounding coordinate:** 17.231111

Local bounding coordinates:

***Left bounding coordinate:** -2554594.365555

***Right bounding coordinate:** 3399405.634445

***Top bounding coordinate:** 3455151.329310

***Bottom bounding coordinate:** -56848.670690

Keywords:

Theme:

Theme keywords: Forest Pathogen, Exotic, Sirex Woodwasp, *Sirex noctilio*, Introduction

Place:

Place keywords: Conterminous United States

Place keyword thesaurus: Lower 48 States

Access constraints: None

Use constraints:

None

Point of contact:

Contact information:

Contact organization primary:

Contact person: Marla C. Downing

Contact organization: Forest Health Technology Enterprise Team (FHTET) Forest Health Protection

Contact position: FHTET Lead, Biological Scientist

Contact address:

Address type: mailing and physical address

Address:

2150 Centre Avenue, Bldg A, Suite 331

City: Fort Collins

State or province: Colorado

Postal code: 80526-1891

Country: USA

Contact voice telephone: 970-295-5843

Contact electronic mail address: mdowning@fs.fed.us

Hours of service: 9:00 AM - 5:00 PM MT

Browse graphic:

Browse graphic file name:

http://www.fs.fed.us/foresthealth/technology/invasives_sirexnoctilio_riskmaps.shtml

Browse graphic file description:

webpage

Browse graphic file type: JPEG

Data set credit:

Michael F. Tuffly, ERIA Consultants, LLC

Steering Committee:

Marla C. Downing, FHTET Lead

Daniel M. Borchert, APHIS PPQ

Donald A. Duerr, USFS R8

Dennis A. Haugen, USFS NA

Frank H. Koch, USFS SRS

Frank J. Krist Jr., USFS FHTET

Frank J. Sapio, USFS FHTET

Bill D. Smith, USFS SRS

Borys M. Tkacz, USFS FHP

Security information:

Security classification: Unclassified

***Native dataset format:** Raster Dataset

***Native data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.722

Cross reference:

Citation information:

Originators: Forest Health Technology Enterprise Team (FHTET) USDA Forest Service

Title:

Introduction Potential Surface for *Sirex noctilio*

Publication date: 5-9-2006

Edition: 2.0

Geospatial data presentation form: map

Tool name: Sirex_newyork

Model Name: Sirex_fin

Online linkage: <http://www.fs.fed.us/foresthealth/technology/products.shtml>

Data Quality Information:

Attribute accuracy:

Attribute accuracy report:

One kilometer

Lineage:

Process step:

Process description:

Summary of Introduction Potential for *Sirex noctilio* May 9, 2006

Website URL:

http://www.fs.fed.us/foresthealth/technology/invasives_sirexnoctilio_riskmaps.shtml

The Introduction Potential Surface for *Sirex noctilio* was produced for the Conterminous United States (CUS) in 1 square kilometer (km²) units by the U.S. Forest Service, Forest Health Technology Enterprise Team's (FHTET) Invasive Species Steering Committee. The product's intended use is to develop a detection strategy for *Sirex noctilio*. Three primary datasets with standardized values from 0 to 10 were used as variables in the analysis. Each data set (Table 1) was used in a weighted overlay process where Principal Ports = 33% and Markets = 33% and Distribution centers = 34%. The final Introduction Potential Surface output values also range from 0 to 10, with 10 having the highest potential of introduction.

Each of the variables was used to depict potential locations where *Sirex noctilio* could be released into the CUS. To delineate *Sirex noctilio* potential flight range, a curvilinear distance decay value was assigned with a risk rating of 10 at the source location and decreasing to 0 at 50 miles away (Table 2).

Principal Ports. Source: Army Corps of Engineer, Waterborne Commerce, Foreign Cargo Statistics (1996 to 2003). A summary of imported tonnage of commodities that use Solid Wood Packing Material (SWPM), the packing material associated with Siricidae species interceptions, recorded in the APHIS Pest Interception Network (PIN) 309 database. Only commodities exported from countries where *Sirex noctilio* is present were included, countries of origin were not ranked. This point data was converted to 1 km² grid cells.

United States Ports that received Commodities from Countries (listed below) were used: The Ports shapefiles are the result of querying a data set summarizing 8 years (1996-2003) of foreign marine cargo import information. These data have been compiled from Army Corps of Engineers waterborne commerce statistics, and then sorted by commodity type, foreign country of shipment origin, and U.S. port where the shipment arrived.

"COMM_NAME" = 'All Manufactured Equipment, Machinery and Products' OR
"COMM_NAME" = 'Building Cement & Concrete; Lime; Glass' OR
"COMM_NAME" = 'Forest Products, Lumber, Logs, Woodchips' OR
"COMM_NAME" = 'Primary Iron and Steel Products (Ingots,Bars,Rods,etc.)' OR
"COMM_NAME" = 'Primary Non-Ferrous Metal Products;Fabricated Metal Prods.' OR
"COMM_NAME" = 'Sand, Gravel, Stone, Rock, Limestone, Soil, Dredged Material' OR
"COMM_NAME" = 'Paper & Allied Products' OR
"COMM_NAME" = 'Primary Wood Products; Veneer; Plywood'

AND

"CTRY_NAME" = 'ARGENTINA' OR
"CTRY_NAME" = 'AUSTRALIA' OR
"CTRY_NAME" = 'BELGIUM' OR
"CTRY_NAME" = 'BRAZIL' OR
"CTRY_NAME" = 'CHILE' OR
"CTRY_NAME" = 'FINLAND' OR
"CTRY_NAME" = 'FRANCE' OR
"CTRY_NAME" = 'GERMANY' OR
"CTRY_NAME" = 'GREECE' OR
"CTRY_NAME" = 'ITALY' OR
"CTRY_NAME" = 'NETHERLANDS' OR
"CTRY_NAME" = 'NEW ZEALAND' OR
"CTRY_NAME" = 'POLAND' OR
"CTRY_NAME" = 'PORTUGAL' OR
"CTRY_NAME" = 'RUSSIA' OR
"CTRY_NAME" = 'SOUTH AFRICA' OR
"CTRY_NAME" = 'SPAIN' OR
"CTRY_NAME" = 'SWEDEN' OR
"CTRY_NAME" = 'TURKEY' OR
"CTRY_NAME" = 'URUGUAY' OR
"CTRY_NAME" = 'DENMARK' OR
"CTRY_NAME" = 'UNITED KINGDOM' OR
"CTRY_NAME" = 'IRELAND' OR
"CTRY_NAME" = 'NORWAY' OR
"CTRY_NAME" = 'ESTONIA' OR
"CTRY_NAME" = 'LATVIA' OR
"CTRY_NAME" = 'LITHUANIA' OR
"CTRY_NAME" = 'ALBANIA' OR
"CTRY_NAME" = 'BULGARIA' OR
"CTRY_NAME" = 'CROATIA' OR
"CTRY_NAME" = 'ROMANIA' OR
"CTRY_NAME" = 'SERBIA' OR
"CTRY_NAME" = 'SLOVENIA' OR
"CTRY_NAME" = 'UKRAINE'

Markets. Source: Federal Highway Administration, Freight Management and Operations, Freight Analysis Framework, Highway Truck Volume (HTV) and Capacity Data and Environmental Systems Research Institute's (ESRI) City polygon Data. Flow/capacity data was used to determine the number of truck trips occurring within the city polygons, which were then used to define potential markets.

Using a polygon data set from Environmental Systems Research Institute (ESRI) that depicts Cities in the United States an intersection was conducted. These City polygons were included as standard spatial data with the shipment of ArcGIS ver 9.1 in the year 2005. Next, the ESRI City Polygons were intersected with HTV. City polygons were selected that had any truck trips. Next a distance decay function illustrated in table 2 was applied to these data.

Distribution Centers. Sources: National Transportation Atlas Database (2003). Only distribution centers that handle commodities that likely use SWPM during transport were considered. Table 3 illustrates commodities that use SWPM; therefore Distribution Centers that handle these commodities contained in Table 3 were used in this analysis. Table 4 illustrates commodities that probably do not represent a significant risk for *S. noctilio* (i.e. not wood or packed/shipped with wood crates, pallets, etc); hence, the Distribution Centers that handle only commodities contained in Table 4 were removed from the analysis. The remaining records were summarized so that the table contains a single record for each unique facility, along with a count of how many relevant commodity types that facility distributes. This table has 1516 records, but 20 of these records have no corresponding facility; hence, these records were removed (1496 total number of distribution centers that received commodities that uses SWPM). The remaining 1496 distribution center records coupled with 1510 distribution center that had no particular

commodity specification were used (totally to 3006 distribution centers). Next, a point shapefile was created using the 3006 distribution centers from the latitude and longitude coordinates for each distribution center. Then each distribution center point was converted to a 1 by 1 kilometer GRID cell. Finally, a distance decay function illustrated in table 2 was applied to each GRID cell. Appendix A contains original metadata.

Table 1

Introduction Variables	Value Ranges
Principal Ports	0 - 10
Markets	0 - 10
Distribution Centers	0 - 10

Table 2

Distance Decay for Probable Flight Range of *Sirex noctilio*
 GRID Value = Potential Value (in Percent) * 10; then rounded to nearest integer.

Distance (miles)	Potential Value in Percent	GRID Value
0 (Source)	100	10
GT 0 and LT or EQ to 5	90.3	9
GT 5 and LT or EQ to 10	71.4	8
GT 10 and LT or EQ to 15	52.9	5
GT15 and LT or EQ to 20	36.9	4
GT 20 and LT or EQ to 25	24.5	2
GT 25 and LT or EQ to 30	15.4	2
GT 30 and LT or EQ to 35	9.2	1
GT 35 and LT or EQ to 40	5.2	1
GT 40 and LT or EQ to 45	2.7	1
GT 45 and LT or EQ to 50	1	1
GT 50	0	0

Table 3 (Commodities Retained)

Alcoholic Beverages
 Animal Feed, Pet Food, And Products Of Animal
 Articles Of Stone, Ceramic, Or Glass
 Breakbulk cargo
 Cargo needing specialized equipment
 Computers, Components, Peripherals, And Software
 Converted Paper And Converted Paper Products
 Electrical Machinery And Equipment
 Engines, Parts, And Accessories For Motor Vehicles
 Food and kindred products
 Forest Products
 Furniture And Furnishings
 General cargo "anything other than bulk"
 Iron And Steel In Primary Forms And Basic Shapes
 Lumber and logs in the rough
 Machinery

Manufactured
Mechanical Machinery
Metal products -- primary and finished
Milled Grain Products And Preparations And Bakery
Miscellaneous Manufactured Products
Mixed "neo" bulk
Mixed freight
Monumental Or Building Stone
Motor Vehicles
Motorized and other vehicles, including parts
Other Metal, And Articles Of Metal
Other Prepared Food Stuffs
Package goods
Pharmaceutical Products
Plastics And Rubber
Precision Instruments And Apparatus
Printed Products
Pulp, Newsprint, Paper, And Paperboard
Semi-manufactured
Specialized cargo -- outsized, heavy, large cargo
Textiles, Leather, And Articles
Tobacco And Manufactured Tobacco Substitutes
Transportation Equipment N.E.C.
Wood Products
Wood chips and products

Table 4 (Commodities Removed)

Basic chemicals
Cereal grains
Chemical preparations N.E.C.
Coal
Crude petroleum
Fertilizers
Fuel Oils including aviation turbine
Gasoline
Gravel and crushed stone
Live animals and fish
Liquids and Dry Bulk
Liquids Edible
Meat, fish, and preparations
Metallic ores
Natural sands except metal-bearing
Non-metallic mineral products N.E.C.
Other crops
Other and Unknown
Other Dry Bulk
Refined petroleum products N.E.C.
Waste and Scrap

Susceptibility Potential related to the product of:

1. Establishment Potential
2. Introduction Potential

Process software and version: ArcGIS ver 9.1 With Model Builder and Spatial Analyst

Process date: 4-28-2006

Tool name: Sirex_newyork

Model Name: Sirex_fin

Process contact:

Contact information:

Contact organization primary:

Contact person: Marla C. Downing

Contact organization: Forest Health Technology Enterprise Team (FHTET) USDA Forest Service

Contact position: FHTET Lead, Biological Scientist

Contact address:

Address type: mailing and physical address

Address:

2150 Centre Avenue, Bldg A, Suite 331

City: Fort Collins

State or province: Colorado

Postal code: 80526-1891

Country: USA

Contact voice telephone: 970-295-5843

Contact electronic mail address: mdowning@fs.fed.us

Hours of service: 9:00 AM - 5:00 PM MT

Spatial Data Organization Information:

***Direct spatial reference method:** Raster

Raster object information:

***Image format:** ESRI GRID

***Number of bands:** 1

***Row count:** 3512

***Column count:** 5954

***Vertical count:** 1

Cell size X direction: 1000

Cell size Y direction: 1000

***Bits per pixel:** 8

***Pyramid layers:** FALSE

***Image colormap:** FALSE

***Compression type:** Default

- ***Raster object type:** Grid Cell
- ***Raster display type:** matrix values
- ***Raster origin:** Upper Left

Spatial Reference Information:

Horizontal coordinate system definition:

Coordinate system name:

- ***Projected coordinate system name:** NAD_1983_Albers
- ***Geographic coordinate system name:** GCS_North_American_1983

Planar:

Map projection:

- ***Map projection name:** Albers Conical Equal Area

Albers conical equal area:

- ***Standard parallel:** 29.500000
- ***Standard parallel:** 45.500000
- ***Longitude of central meridian:** -96.000000
- ***Latitude of projection origin:** 23.000000
- ***False easting:** 0.000000
- ***False northing:** 0.000000

Planar coordinate information:

- ***Planar coordinate encoding method:** row and column

Coordinate representation:

Abscissa resolution: 1000

Ordinate resolution: 1000

- ***Planar distance units:** meters

Geodetic model:

- ***Horizontal datum name:** North American Datum of 1983
- ***Ellipsoid name:** Geodetic Reference System 80
- ***Semi-major axis:** 6378137.000000
- ***Denominator of flattening ratio:** 298.257222

Entity and Attribute Information:

Detailed description:

- ***Name:** introduction

Entity type:

- ***Entity type label:** introduction
- ***Entity type type:** Table
- ***Entity type count:** 11

Entity type definition:

Introduction Potential Surface for *Sirex noctilio*

Attribute:

- ***Attribute label:** ObjectID
- ***Attribute alias:** ObjectID
- ***Attribute definition:**
Internal feature number.
- ***Attribute definition source:**

ESRI

- *Attribute type: OID
- *Attribute width: 4
- *Attribute precision: 0
- *Attribute scale: 0

Attribute domain values:

***Unrepresentable domain:**

Sequential unique whole numbers that are automatically generated.

Attribute measurement frequency:

Unknown

Attribute:

*Attribute label: Value

*Attribute alias: Value

Attribute definition:

Integer Value from 0 - 10 where 0 equals low potential for introduction and 10 equals extremely high potential for introduction

*Attribute type: Integer

*Attribute width: 0

*Attribute precision: 0

*Attribute scale: 0

Attribute value accuracy information:

Attribute value accuracy: As Reported

Attribute measurement frequency:

As needed

Attribute:

*Attribute label: Count

*Attribute alias: Count

Attribute definition:

The frequency of 1000 by 1000 meter GRID cells

Attribute definition source:

ESRI

*Attribute type: Double

*Attribute width: 0

*Attribute precision: 0

*Attribute scale: 0

Attribute measurement frequency:

As needed

Overview description:

Dataset overview:

The Introduction Potential Surface for *Sirex noctilio* was produced for the Conterminous United States (CUS) in 1 square kilometer (km²) units by the U.S. Forest Service, Forest Health Technology Enterprise Team's (FHTET) Invasive Species Steering Committee. The product's intended use in conjunction with the Establishment Potential Surface is to develop a Susceptibility Potential Surface for *Sirex noctilio*. Three primary datasets with standardized values from 0 to 10 were used as variables in the analysis. Each data

set was used in a weighted overlay process where Principal Ports = 33% and Markets = 33% and Distribution centers = 34%.

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Markets. Source: Federal Highway Administration, Freight Management and Operations, Freight Analysis Framework, Highway Truck Volume and Capacity Data and Environmental Systems Research Institute's (ESRI) City polygon Data. Flow/capacity data was used to determine the number of truck trips occurring within the city polygons, which were then used to define potential markets.

Distribution Centers. Sources: National Transportation Atlas Database (2003). Distribution centers that handle commodities that likely use SWPM during transport were considered. (Appendix 1).

Distribution Information:

Resource description: Downloadable Data

Standard order process:

Digital form:

Digital transfer information:

***Transfer size:** 1.324

***Dataset size:** 1.324

Metadata Reference Information:

***Metadata date:** 20060509

Metadata review date: 20060509

***Language of metadata:** en

Metadata contact:

Contact information:

Contact organization primary:

Contact person: Marla C. Downing

Contact organization: Forest Health Technology Enterprise Team (FHTET) USDA Forest Service

Contact position: FHTET, Lead and Biological Scientist

Contact address:

Address type: mailing and physical address

Address:

2150 Centre Avenue, Bldg A, Suite 331

City: Fort Collins

State or province: Colorado

Postal code: 80526-1891

Country: USA

Contact voice telephone: 970-295-5843

Contact electronic mail address: mdowning@fs.fed.us

Hours of service: 9:00 AM - 5:00 PM MT

***Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata

***Metadata standard version:** FGDC-STD-001-1998

***Metadata time convention:** local time

Metadata security information:

Metadata security classification: Unclassified

Metadata extensions:

***Online linkage:** <http://www.esri.com/metadata/esriprof80.html>

***Profile name:** ESRI Metadata Profile

Appendix A

Used for the construction of the Distribution Centers data set.

Intermodal Terminal Facilities

Metadata also available as

Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)

Identification_Information:

Citation:

Citation_Information:

Originator: USDOT/BTS

Publication_Date: 2003

Title: Intermodal Terminal Facilities

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Washington DC

Publisher: Bureau of Transportation Statistics (BTS)

Online_Linkage: <<http://www.bts.gov/ntda>>

Larger_Work_Citation:

Citation_Information:

Originator: Bureau of Transportation Statistics (BTS)

Publication_Date: 2003

Title: Intermodal Terminal Facilities

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Washington DC

Publisher: Bureau of Transportation Statistics (BTS)

Online_Linkage: <<http://www.bts.gov/gis/>>

Description:

Abstract:

This is a public dataset for the Department of Transportation, Bureau of Transportation Statistics. The public database consists of four tables. One of the tables is a spatial table: INTERMODAL_FACILITY. The three other tables consist of attribute data for the database: INTERMODAL_CARGO, INTERMODAL_COMMODITY and INTERMODAL_DIRECTIONALITY. This database was based on the requirements from the Commodity Flow Survey and with the different modes of DOT, supervised by BTS. The database will extend its design to support all of the modes within the DOT and in reference to modes involved with Intermodal transfer.

Purpose:

This is a public dataset for the Department of Transportation, Bureau of Transportation Statistics for internal use in GIS efforts. The data can be utilized alone or in conjunction with various networks developed for the data.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2002

Currentness_Reference: August 2002

Status:

Progress: In work

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -165.436110

East_Bounding_Coordinate: -66.002000

North_Bounding_Coordinate: 64.807090

South_Bounding_Coordinate: 18.439000

Keywords:

Theme:

Theme_Keyword_Thesaurus: Transport Amenities

Theme_Keyword: Intermodal Facility

Theme:

Theme_Keyword_Thesaurus: Transport

Theme_Keyword: Intermodal

Theme:

Theme_Keyword_Thesaurus: Transference

Theme_Keyword: Transportation

Theme:

Theme_Keyword_Thesaurus: Geographical Reference

Theme_Keyword: Point

Theme:

Theme_Keyword_Thesaurus: Transference Presence

Theme_Keyword: Transfer Locations

Place:

Place_Keyword: USA

Place_Keyword: United States

Place_Keyword: United States of America

Temporal:

Temporal_Keyword: 2003

Access_Constraints: The access of this data is not restricted.

Use_Constraints:

None. Acknowledgment of the Bureau of Transportation Statistics (BTS) National Transportation Atlas Databases (NTAD) 2003 would be appreciated in products derived from these data.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: USDOT/BTS

Contact_Person: Mark Bradford

Contact_Position: Project Manager

Contact_Address:

Address_Type: mailing and physical address

Address: 400 7th Street, SW - Room 3140

City: Washington

State_or_Province: DC

Postal_Code: 20590

Country: USA

Contact_Voice_Telephone: (202) 366-6810

Native_Data_Set_Environment:

Microsoft Windows NT Version 4.0 (Build 1381) Service Pack 6; ESRI ArcCatalog 8.3.0.800

Cross_Reference:

Citation_Information:

Originator: Bureau of Transportation Statistics (BTS)

Publication_Date: 2003

Title: Intermodal Terminal Facilities

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Washington DC

Publisher: Bureau of Transportation Statistics (BTS)

Online_Linkage: <<http://www.bts.gov/gis/>>

Larger_Work_Citation:

Citation_Information:

Originator: Bureau of Transportation Statistics (BTS)

Publication_Date: 2003

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Washington DC

Publisher: Bureau of Transportation Statistics (BTS)

Online_Linkage: <<http://www.bts.gov/gis/>>

Data_Quality_Information:

Logical_Consistency_Report:

A single coordinate pair for GIS reference represents all points. A unique id number relates the records to other tables. A parent id is required, which may be used to aggregate to its facility, which is the granularity of the publicly released data.

Completeness_Report:

All records require geocoding, mode type, facility type, unique name combination, and unique id to be included in the final dataset.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

Geocode source holds the source of the spatial coordinates, particular sources have varying spatial accuracy and is noted below.

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: GDT98Streets

Horizontal_Positional_Accuracy_Explanation:

- The original digital source of line segment, such as a Census Bureau 1980 GBF/DIME File or a USGS 1:100,000 scale DLG-3. - Scale 1: 24,000

- For line segments that originated with the USGS DLG-3 files, the FCC is based on the USGS classification code in the DLG-3 file. For line segments that originated with the 1980 GBF / DIME Files, the FCC is based on the NS code and other feature identification content of the GBF/DIME -File.

- Latitude/longitude Data: except for DIME format (ASCII) boundary files, all latitude and longitude coordinates are signed and have six decimal places. Northern latitude is positive (0 degrees to 90 degrees), southern latitude is negative (0 degrees to -90 degrees). West longitude are negative (0 degrees to -180 degrees), and longitude are positive (0 degrees to 180 degrees)

- DIME format boundary file coordinates are expressed as all positive values with six implied decimal places. Any longitude west of 180 degrees is expressed in increasing, rather than decreasing values.

-Projection using latitude/longitude coordinate values with an implied 6 decimal places

-All coordinates are based on the 1983 North American Datum (NAD83).

- As new streets are reported, they are added daily by digital map technicians (DMTs) working in teams assigned to specific geographic areas covering the entire nation. As DMTs work through their particular regions, they concentrate on areas that contain the largest numbers of missing addresses, usually newly developed areas. They apply address ranges to unaddressed street segments, digitized new streets, correct inaccurate segment shapes, and add exits and turn or one-way restrictions. Each addition is verified with current maps and other data.

- ARC/INFO format products are available in double precision. Precision refers to the number of bits (single - 32bits, double - 64 bits) used to store coordinate data. Coverages in double precision are slightly more accurate, but larger than those in single precision.

-For more detailed information please see Geographic Data Technology Inc. 1(800) 331.7881 or email to info@gdt1.com

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: Army Corp of Engineers

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: NTAD_Airports

Horizontal_Positional_Accuracy_Explanation:

Airport attributes were obtained from the Federal Aviation Administration's (FAA) National Airspace System Resource Aeronautical Data and the Office of Airline Information (OAI) Enplanement Data. The FAA Data was published by the Aeronautical Information Services (ATA-100) with an Effective Date of 21 February 2002. Horizontal positional accuracy is based on coordinate data provided in the FAA National Airspace System Resource Aeronautical Dataset (Effective 21 February 2002). These coordinate data identify the approximate location of the Airport Reference Point (ARP) as reported by the landing facility on the NFDC

(National Flight Data Center) 5010 form. According to NFDC guidelines, the location of the ARP should be reported to a horizontal accuracy of one arc second of latitude and longitude. However, the accuracy of these reported coordinates are not verified by FAA. The records were loaded into a GIS and checked for any unusual or obviously erroneous locations.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: Primedia Information Inc. 2002

Publication_Date: 2002

Publication_Time: Bi-Monthly

Title: The Official Railway Guide. Freight Service Edition

Online_Linkage: www.primedia.com

Type_of_Source_Media: paper

Source_Contribution:

Facility information containing cargo, commodity, and directionality. This publication is biannual.

Source_Information:

Source_Citation:

Citation_Information:

Originator: American Authority Port Association

Publication_Date: Unknown

Publication_Time: Unknown

Title: American Authority Port Association

Online_Linkage: www.aapa-ports.org

Type_of_Source_Media: online

Source_Citation_Abbreviation: AAPA

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Publication_Date: Unknown

Title: Aberdeen and Rockfish

Online_Linkage: www.aberdeen-rockfish.com/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Publication_Date: Unknown

Title: AIR CANADA CARGO

Online_Linkage: www.aircanada.ca/cargo/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Title: AIR CARGO WORLD ONLINE/2001 AIR EXPRESS DIRECTORY

Online_Linkage: www.aircargoworld.com/

Type_of_Source_Media: paper

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Publication_Date: Unknown

Title: AIR CARGO WORLD ONLINE/2002 AIRPORT DIRECTORY

Online_Linkage: www.aircargoworld.com/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Title: AIR CARGO WORLD ONLINE/2002 FORWARDER DIRECTORY

Online_Linkage: www.aircargoworld.com/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Title: AIR JAMAICA

Online_Linkage: www.airjamaica.com/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Title: AMERICAN TRANS AIR

Online_Linkage: www.ata.com/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Title: ANACOSTIA AND PACIFIC COMPANY, INC.

Online_Linkage: www.anacostia.com/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Title: ARKANSAS - MISSOURI RAIL ROAD

Online_Linkage: www.arkansasmissouri-rr.com/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Title: Burlington Northern Santa Fe

Online_Linkage: www.bnsf.com/

Type_of_Source_Media: online
Source_Citation_Abbreviation: BNSF
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:
Title: CANADIAN NATIONAL
Online_Linkage: www.cn.ca/index.shtml
Type_of_Source_Media: online
Source_Citation_Abbreviation: CN
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:
Title: INTERMODAL CARTAGE COMPANY
Online_Linkage: www.imcg.com/
Type_of_Source_Media: online
Source_Citation_Abbreviation: IMCG
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:
Publication_Date: Unknown
Title: MARYLAND PORT AUTHORITY
Online_Linkage: www.mpa.state.md.us/
Type_of_Source_Media: online
Source_Citation_Abbreviation: MPA
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:
Title: Norfolk Southern
Online_Linkage: www.nscorp.com/nscorp/html/home.html
Type_of_Source_Media: online
Source_Citation_Abbreviation: NS
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:
Title: OMNITRAX
Online_Linkage: www.omnitrax.com/
Type_of_Source_Media: online
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:
Title: PACIFIC COAST CONTAINER
Online_Linkage: www.pacificcoastcontainer.net/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Title: PORT OF LOS ANGELES

Online_Linkage: www.portoflosangeles.org/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Originator: U.S. Army Corp of Engineers

Publication_Time: 2001

Title: NDC Publications and U.S. Waterway Data (Port Report)

Edition: 7

Online_Linkage: www.hecsa.usace.army.mil/

Type_of_Source_Media: CD-ROM

Source_Citation_Abbreviation: USACE

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Title: THE RAIL-BRIDGE CORPORATION

Online_Linkage: www.railbridge.com/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Title: VIRGINIA PORT AUTHORITY

Online_Linkage: www.vaport.com/

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Originator: MODALGISTICS

Publication_Date: Unknown

Publication_Time: Unknown

Title: MODALGISTICS

Online_Linkage: [<http://www.modalgistics.com/>](http://www.modalgistics.com/)

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Originator: FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION

Publication_Date: Unknown
Publication_Time: Unknown
Title: FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION
Online_Linkage: <<http://www.dot.gov/>>
Type_of_Source_Media: online
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:
Originator: PACIFIC HARBOR LINE, INC.
Publication_Date: Unknown
Publication_Time: Unknown
Title: PACIFIC HARBOR LINE, INC.
Online_Linkage: <<http://www.anacostia.com/phl/faciliti.html>>
Type_of_Source_Media: online
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:
Originator: PORT OF INDIANA
Publication_Date: Unknown
Publication_Time: Unknown
Title: PORT OF INDIANA
Online_Linkage: <<http://www.portsofindiana.com/?pageRef=87>>
Type_of_Source_Media: online
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:
Originator: PORT OF LONG BEACH
Publication_Date: Unknown
Publication_Time: Unknown
Title: PORT OF LONG BEACH
Online_Linkage: <<http://www.polb.com>>
Type_of_Source_Media: online
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:
Originator: PORT OF OAKLAND
Publication_Date: Unknown
Publication_Time: Unknown
Title: PORT OF OAKLAND
Online_Linkage: <<http://www.portofoakland.com/>>
Type_of_Source_Media: online
Source_Contribution:
Facility information containing cargo, commodity, and directionality.
Source_Information:
Source_Citation:
Citation_Information:

Originator: PORT OF TAMPA

Publication_Date: Unknown

Publication_Time: Unknown

Title: PORT OF TAMPA

Online_Linkage: <http://www.tampaport.com/display.asp?PAGE_NAME=Home+Page>

Type_of_Source_Media: online

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Originator: United States Postal Service

Publication_Date: Unknown

Publication_Time: Unknown

Title: United States Postal Service

Online_Linkage:

Type_of_Source_Media: Direct Inquiry

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Source_Information:

Source_Citation:

Citation_Information:

Originator: Emery

Publication_Date: Unknown

Publication_Time: Unknown

Title: Emery

Online_Linkage:

Type_of_Source_Media: Direct Inquiry

Source_Contribution:

Facility information containing cargo, commodity, and directionality.

Process_Step:

Process_Description:

The use of this data for network or attribute related queries should note that supplementary data is stored in a separate dbf files. These tables hold pertinent information in a relational database format, ID fields being linked as the primary keys and foreign keys. PU_FAC table's primary key is ID and is the foreign key in PU_CAR, PU_COM, and PU_DIR, identified by FAC_ID. The shape files match the corresponding dbf files, no conversion is needed to utilize either format for analysis. Data is based on various public and private published sources, i.e. IANA Railway Guide, WWW, Army Corps of Engineers - Port Report. These sources are frequently updated and revised, any particular inquires should be directed to the data source of the record or records.

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Entity point

Point_and_Vector_Object_Count: 3279

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000001

Longitude_Resolution: 0.000001

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:
Horizontal_Datum_Name: D_WGS_1984
Ellipsoid_Name: WGS_1984
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257224

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Facility

Entity_Type_Definition:

An Intermodal facility is defined as generalized descriptors for collated customers and services. The PU_FAC table contains facilities that support two or more modes of transportation. These facilities can contain an address, but must contain a latitude and longitude.

Entity_Type_Definition_Source: USDOT/BTS

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: ID

Attribute_Definition: Primary Key

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: NAME

Attribute_Definition: Unique name for the facility location

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: TYPE

Attribute_Definition:

Name of the function of the primary function of the facility. Truck - Rail - Port - Air

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: MODE_TYPE

Attribute_Definition: Defines all the modes that are affiliated with this facility.

Attribute_Definition_Source: BTS

Attribute_Domain_Values:

Attribute:

Attribute_Label: CITY

Attribute_Definition: The city for the facilities location

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: STATE

Attribute_Definition: The state abbreviation for the facilities location

Attribute_Definition_Source: BTS

Attribute_Domain_Values:

Attribute:

Attribute_Label: FIPS

Attribute_Definition: Federal Information Processing Standards for the states

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: ZIP

Attribute_Definition: The zip code for the facilities location

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: ZIP2

Attribute_Definition: Zip Code Plus 4

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: PARCEL

Attribute_Definition: Indicates if a mail carrier is affiliated with this location

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: LATITUDE

Attribute_Definition: Latitude for the location

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: LONGITUDE

Attribute_Definition: Longitude for the location

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: GEOSOURCE

Attribute_Definition:

Source information of the latitude/longitude: either pre-determined or geocoded with Dynamap 2000

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: CREATEDATE

Attribute_Definition: The date the information was placed into the database

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: CREATOR

Attribute_Definition: The group of individuals responsible for populating that record

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: MODDATE

Attribute_Definition: Date of modifications to that facility's entry in the database

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: ASSOC

Attribute_Definition: List of other major business associated with this facility

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: BTSVERSION

Attribute_Definition: BTS tracking number

Attribute_Definition_Source: BTS

Attribute:

Attribute_Label: VERSION

Attribute_Definition:

The VERSION is a 2-digit number that will be incremented for all records in the database whenever a new release is distributed.

Attribute_Definition_Source: BTS

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 00

Range_Domain_Maximum: 99

Attribute:

Attribute_Label: REVISION

Attribute_Definition:

REVISION is a 2-digit number that will be incremented individually for each record whenever a change is made to one of its fields.

Attribute_Definition_Source: BTS

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 00

Range_Domain_Maximum: 99

Overview_Description:

Entity_and_Attribute_Overview:

Facilities a.Large scale operation that services various public and private customers in the transfer of various cargoes. b.Only successful geocoding is included in a dataset and reported in the attributes latitude, longitude, and geosource.

Entity_and_Attribute_Detail_Citation:

Directionality is directly related to the facility table, includes cargo or commodity records that have mode 1 to mode 2 restrictions or limitations requiring it to flow in only one direction.

Entity_and_Attribute_Detail_Citation:

Cargo is directly related to the facility table, used aggregated classifications of cargo types and commodity specific cargo types.

Entity_and_Attribute_Detail_Citation:

Commodity is directly related to the facility table, includes classifications based on the Commodity Flow Survey (USDOT/BTS) categorizations.

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Bureau of Transportation Statistics (BTS)

Contact_Address:

Address_Type: mailing and physical address

Address: Bureau of Transportation Statistics (BTS)

Address: 400 Seventh Street, S.W.

City: Washington

State_or_Province: District of Columbia

Postal_Code: 20590

Country: USA

Contact_Voice_Telephone: 202-366-DATA

Contact_Facsimile_Telephone: 202-366-3640

Contact_Electronic_Mail_Address: answers@bts.gov

Resource_Description: National Transportation Atlas Databases (NTAD) 2003

Distribution_Liability: None

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Format_Name: ESRI Shapefile

Format_Version_Date: 2003

Transfer_Size: 5.438

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name: <<http://www.bts.gov/gis/>>

Access_Instructions:

Anyone with access to the World Wide Web may connect to the BTS server. To access a specific database, go to the address listed above in the Network Resource Name. The visitor can create a package of the dataset for download in a .zip format (i.e. MS-DOS zip archive). This archived package is stored in a temporary file that can then be copied to the visitor's home directory.

Offline_Option:

Offline_Media: CD-ROM

Fees: None

Ordering_Instructions:

Call 202-366-DATA, fax 202-366-3640, or E-mail (answers@bts.gov) BTS to request the National Transportation Atlas Databases (NTAD) 2003 CD-ROM. This and other BTS products may be ordered from the BTS Internet website (<<http://www.bts.gov/gis/>>).

Technical_Prerequisites: Basic database skills to relate dependent tables.

Available_Time_Period:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2003

Metadata_Reference_Information:

Metadata_Date: 20030422

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Bureau of Transportation Statistics (BTS)

Contact_Address:

Address_Type: mailing and physical address

Address: 400 Seventh Street, S.W.

Address: Bureau of Transportation Statistics (BTS)

City: Washington

State_or_Province: DC

Postal_Code: 20590

Country: USA

Contact_Voice_Telephone: 202-366-DATA

Contact_Facsimile_Telephone: 202-366-3640

Contact_Electronic_Mail_Address: answers@bts.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Access_Constraints: The access of this data is not restricted.

Metadata_Use_Constraints: The use of this data is not restricted.

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile