

Geospatial Data Life Cycle: ETDM & FGDL perspective

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Florida Transportation Data Symposium
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Overview:

- What is FGDL
- QA/QC process
- Metrics
- Preview of Open Geoportal

What is FGDL?

- Statewide GIS Data Portal
- Over 480+ current and historic GIS data layers available for download
- Data is sourced from over 40 local, state, federal, and other agencies
- Primarily vector data
- Each data layer includes FGDC metadata
- Housed and maintained by the UF GeoPlan Center

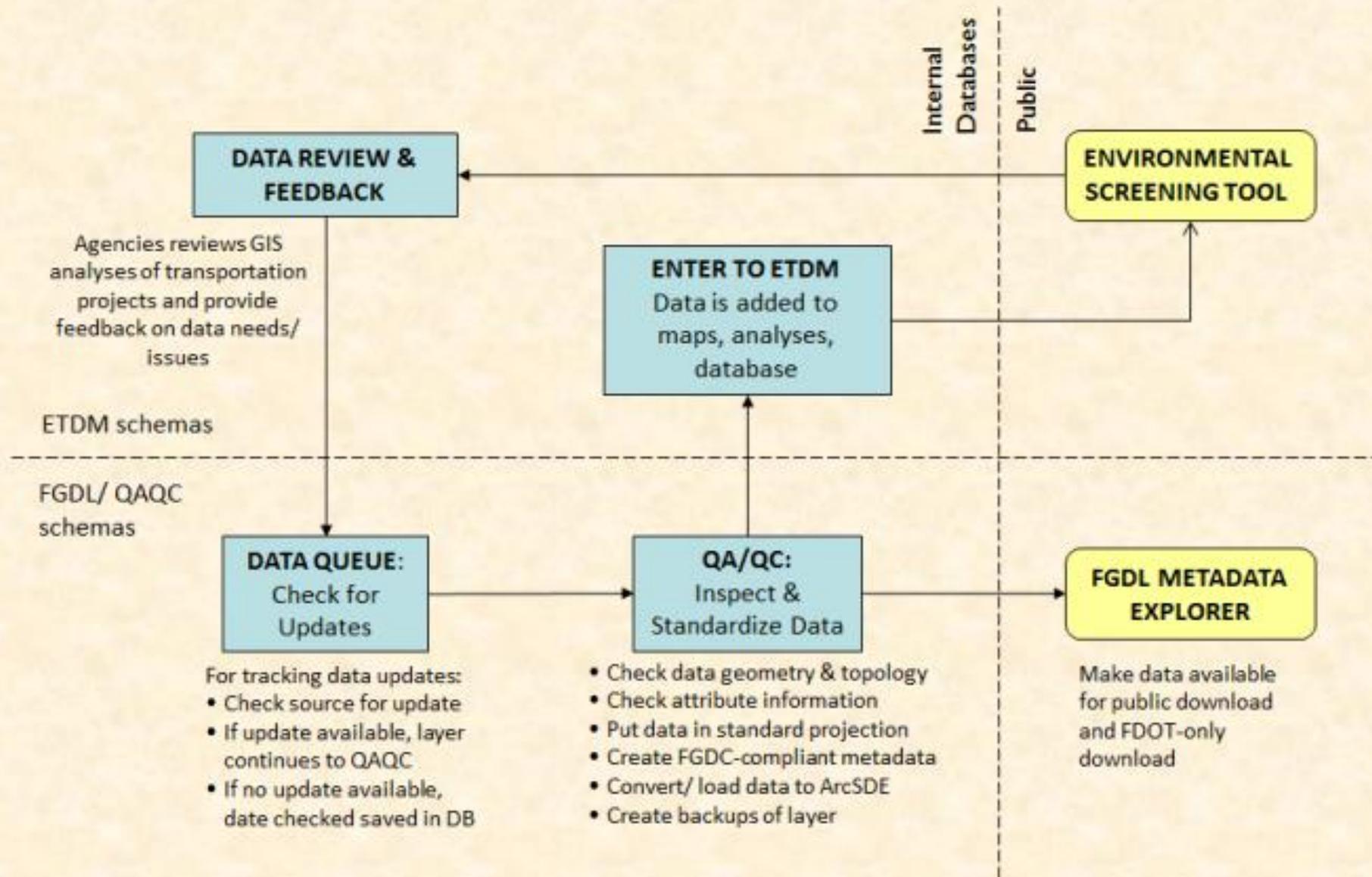
FGDL History

- Initially developed in 1998, with funding from FDEP
- Funding from FL Department of Transportation (FDOT) since 2000
- FGDL data is used for FDOT's "Efficient Transportation Decision Making process" (ETDM)
- FGDL data is checked regularly for updates (approximately quarterly, data source/Agency dependent).

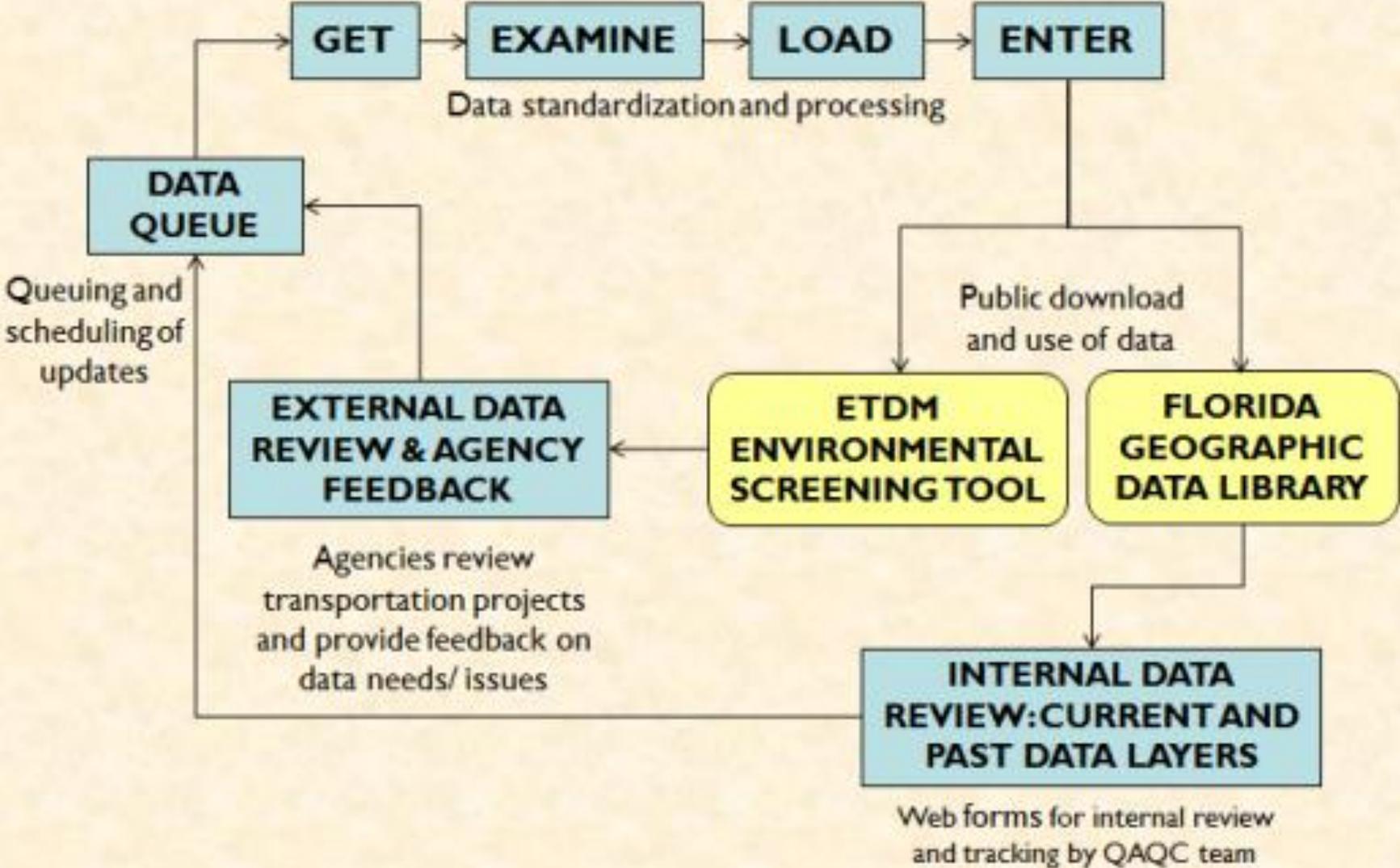
FGDL – ETDM

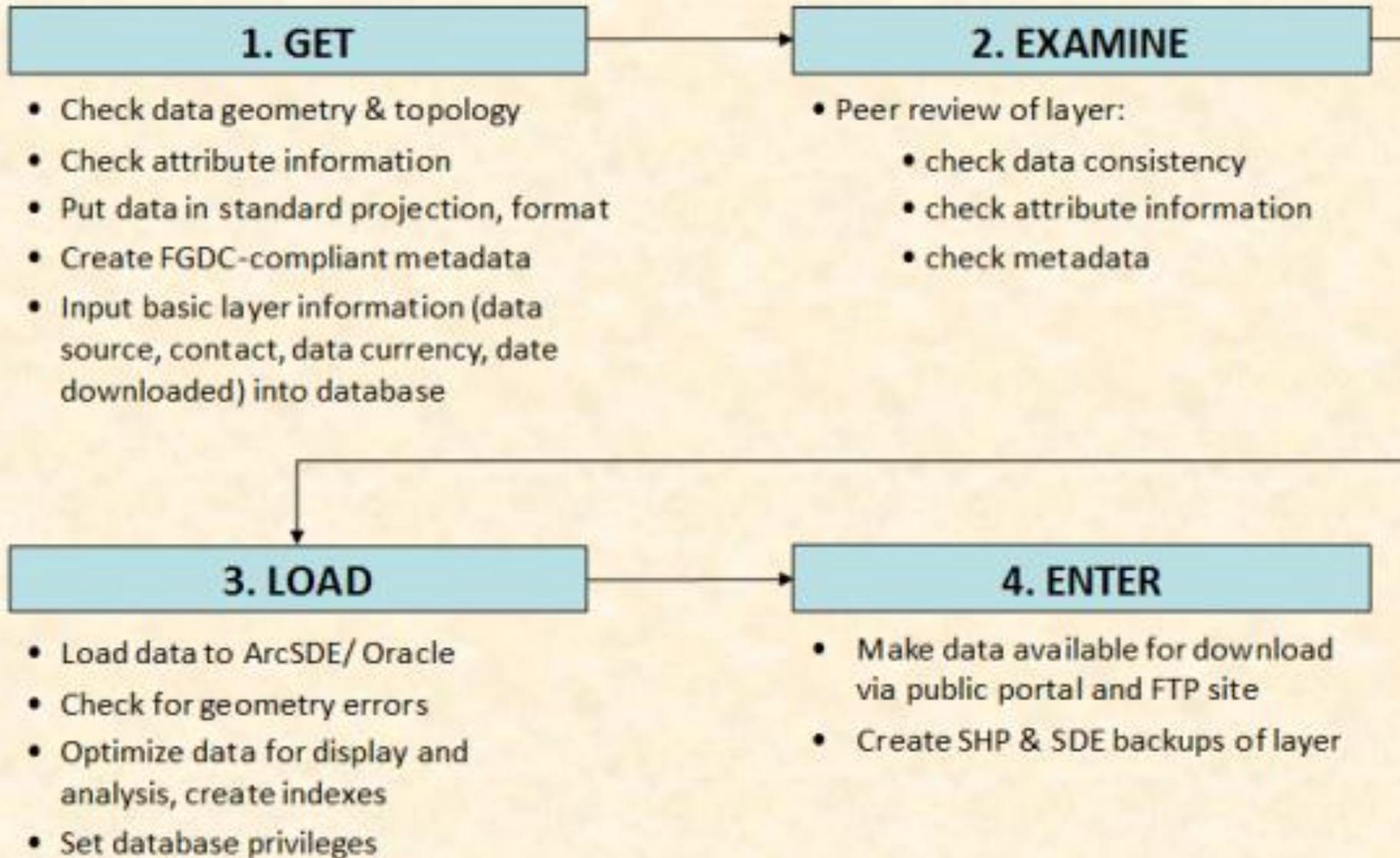
- Not all FGDL data is present in ETDM (upon user request)
- Not all ETDM data is present in FGDL (sensitive)
- Federal, state, and local agencies provide data to ETDM. Data are not reconciled among agencies, even if two or more agencies provide data on the same resource.
- In 2004, requirement to track and maintain data for life of 'Project' plus five years was identified by FDOT general counsel (up to 30 years).

OVERVIEW OF QAQC & DATABASE TRACKING PROCESS FOR FGDL & ETDM GIS DATA LAYERS



Overview of QAQC Process





QAQC DATA QUEUE

The following layers need to be processed. Click on any layer for more information or to sign up to work on that layer.

Filename	Descriptive Layer Name	Data Source	Priority	Assigned By	Date Assigned	Assigned To	Select
GC_BRIDGES_AUG13	Bridges in the State of Florida	University of Florida GeoPlan Center	5 - Medium	Kate Norris	04-JUN-13		Select
SCENIC_BYWAYS_JUL13	Florida Scenic Highways and Byways 2013	Florida Department of Transportation (FDOT)	5 - Medium	Kate Norris	05-JUN-13	Kate Norris	Select
GC_SOCIALSERVICE_DEC13	Social Service Centers 2013	University of Florida GeoPlan Center	5 - Medium	Kate Norris	05-JUN-13		Select
GC_LASERS_DEC13	Laser Facilities in Florida - 2013	University of Florida GeoPlan Center	5 - Medium	Kate Norris	05-JUN-13		Select
OASDI_2011	Social Security (OASDI) Beneficiaries in the State of Florida by Zip Code - 2011	University of Florida GeoPlan Center	5 - Medium	Kate Norris	05-JUN-13	Kate Norris	Select
POWERLINES_2014	Power Transmission Lines for State of Florida 2014	University of Florida GeoPlan Center	5 - Medium	Kate Norris	05-JUN-13		Select
CELLTOWERS_2014	Cellular Communication Towers in Florida - 2014	University of Florida GeoPlan Center	7 - Low	Kate Norris	05-JUN-13		Select
GC_DAYCARE_JAN14	Registered Daycare Facilities in the State of Florida - 2014	University of Florida GeoPlan Center	7 - Low	Kate Norris	05-JUN-13		Select
ENTERPRISE_ZONES_AUG13	Enterprise Zones in Florida - August 2013	Executive Office of the Governor / Office of Tourism, Trade & Economic Development	5 - Medium	Kate Norris	05-JUN-13		Select
USACE_DAMS_2011	National Inventory of Dams - Florida 2011	U.S. Army Corp of Engineers (USACE)	5 - Medium	Kate Norris	29-AUG-13	Kate Norris	Select
USACE_BND_2011	Army Corps of Engineers Permitting Sections in Florida - 2011	U.S. Army Corp of Engineers (USACE)	5 - Medium	Kate Norris	29-AUG-13	Danny Downing	Select

[Add a layer to the queue](#)

[Current List of ETDM/ FGDL Layers](#)

[Return to QAQC Forms Main page](#)

Current Data Layers Used in ETDM or FGDL

Filter by Data Source:

Filter by QAQC person:

Check here to only see layers needing update

[Return to QAQC Forms Main page](#)

Click on the filename of any layer to see more information about that layer.

Click on the column headers to sort that column (first click will sort ascending, second click will sort descending).

<u>FILENAME</u>	<u>DESCRIPTION</u>	<u>SOURCE</u>	<u>SOURCE DATE</u>	<u>UPDATE CYCLE</u>	<u>LAST CHECKED</u>	<u>ACCESS</u>	<u>FGDL</u>	<u>ETDM</u>	<u>WHO_QAQC</u>
SHPO_ALL_SITES_JUL15	Archaeological Sites in Florida - July 2015	BAR	2015-07	Quarterly	09-JUL-15	sensitive	N	Y	Sam Palmer
SHPO_BRIDGES_JUL15	Historic Bridges in Florida - July 2015	BAR	2015-07	Quarterly	09-JUL-15	public	Y	Y	Sam Palmer
SHPO_CEMETERIES_JUL15	Historic Cemeteries in Florida - July 2015	BAR	2015-07	Quarterly	09-JUL-15	public	Y	Y	Sam Palmer
SHPO_NATL_REGISTER_JUL15	National Register of Historic Places in Florida - July 2015	BAR	2015-07	Quarterly	09-JUL-15	sensitive	N	Y	Sam Palmer
SHPO_RES_GROUPS_JUL15	Resource Groups in Florida - July 2015	BAR	2015-07	Quarterly	09-JUL-15	public	Y	Y	Sam Palmer
SHPO_STRUCTURES_JUL15	Historical Structure Locations in Florida - July 2015	BAR	2015-07	Quarterly	09-JUL-15	public	Y	Y	Sam Palmer
SHPO_SURVEYS_JUL15	Field Survey Project Boundaries and Attributes in Florida - July 2015	BAR	2015-07	Quarterly	09-JUL-15	public	Y	Y	Sam Palmer

Record Count = 7

SDE LOAD INFO

SDE Load Date	16-JUL-15
SDE Load Type	ArcCatalog 9.3.1
Loaded by	Sam Palmer
SDE Load Notes	N/A
Feature Dataset	shpo
Dynamic Layer	N

LAYER IDs

PK_FGDL_ID	8403
FK QAQC Theme ID	7235
SDE Registration ID	
SDE Layer ID (etdmsde)	

QAQC INFO

Get Who	Sam Palmer
FGDL Acquisition Date	06-JUL-15
Data Contact	ftp
Original Filename	HistoricalBridges.shp
Local file path	Q:\data_output\sam\shpo\201507
Are all fields defined?	Y
Total records with no descript?	0
Metadata Author	Sam Palmer
GET Misc Comments	
GET Send back notes	
Sent back to get by:	
Get Time Stamp	09-JUL-15
Examined by:	Danny Downing
Comments on checking fields:	
Comments on checking records:	
Notes about metadata:	
Examine Misc Comments	
Send back notes	
Sent Back By:	
Entered By:	Crystal Goodison
Enter Misc Comments	

View Past Layers

Choose a viewing option: View all layers or layers by data source:

[Return to QAQC Forms Main page](#)

Click on the filename of any layer to see more information about that layer.

Click on the column headers to sort that column (first click will sort ascending, second click will sort descending).

SHPO_BRIDGES	HISTORIC BRIDGES - MARCH 2004	BAR	2004-06-11	Replaced by SHPO_BRIDGES_OCT05	30-MAR-06	public	Y	Y
SHPO_BRIDGES_APR06	HISTORIC BRIDGES	BAR		Replaced by SHPO_BRIDGES_JUL06	01-SEP-06	public	Y	Y
SHPO_BRIDGES_APR08	HISTORIC BRIDGES	BAR	2008-04-07	Replaced by SHPO_BRIDGES_JUL08	22-AUG-08	public	Y	Y
SHPO_BRIDGES_APR09	HISTORIC BRIDGES - APRIL 2009	BAR	2009-04-14	Replaced by SHPO_BRIDGES_OCT09	29-OCT-09	public	Y	Y
SHPO_BRIDGES_APR11	Historic Bridges - April 2011	BAR	2011-04	Replaced by SHPO_BRIDGES_JUL11	01-AUG-11	public	Y	Y
SHPO_BRIDGES_APR13	Historic Bridges - April 2013	BAR	2013-04	Replaced by SHPO_BRIDGES_JUL13	31-JUL-13	public	Y	Y
SHPO_BRIDGES_APR14	Historic Bridges in Florida - April 2014	BAR	2014-04	Replaced by SHPO_BRIDGES_JUL14	11-AUG-14	public	Y	Y
SHPO_BRIDGES_APR15	Historic Bridges in Florida - April 2015	BAR	2015-04	Replaced by SHPO_BRIDGES_JUL15	30-JUL-15	public	Y	Y
SHPO_BRIDGES_JAN08	HISTORIC BRIDGES	BAR	2008-01-11	Replaced by SHPO_BRIDGES_APR08	14-MAY-08	public	Y	Y
SHPO_BRIDGES_JAN09	HISTORIC BRIDGES	BAR	2009-01	Replaced by SHPO_BRIDGES_APR09	29-APR-09	public	Y	Y
SHPO_BRIDGES_JAN10	HISTORIC BRIDGES - JANUARY 2010	BAR	2010-01	Replaced by SHPO_BRIDGES_JUL10	12-AUG-10	public	Y	Y
SHPO_BRIDGES_JAN11	Historic Bridges - January 2011	BAR	2011-01	Replaced by SHPO_BRIDGES_APR11	18-MAY-11	public	Y	Y
SHPO_BRIDGES_JAN12	Historic Bridges - January 2012	BAR	2012-01	Replaced by SHPO_BRIDGES_JUL12	22-OCT-12	public	Y	Y
SHPO_BRIDGES_JAN13	Historic Bridges - January 2013	BAR	2013-01-08	Replaced by SHPO_BRIDGES_APR13	11-APR-13	public	Y	Y
SHPO_BRIDGES_JAN14	Historic Bridges - January 2014	BAR	2014-01	Replaced by SHPO_BRIDGES_APR14	23-APR-14	public	Y	Y
SHPO_BRIDGES_JAN15	Historic Bridges in Florida - January 2015	BAR	2015-01	Replaced by SHPO_BRIDGES_APR15	28-APR-15	public	Y	Y
SHPO_BRIDGES_JUL06	HISTORIC BRIDGES	BAR	2006-07	Replaced by SHPO_BRIDGES_OCT06	06-FEB-07	public	Y	Y
SHPO_BRIDGES_JUL08	HISTORIC BRIDGES	BAR	2008-07	Replaced by SHPO_BRIDGES_OCT08	21-JAN-09	public	Y	Y

Old Layer Info

Filename (Metadata Link)	SHPO_BRIDGES_JAN15
Description	Historic Bridges in Florida - January 2015
Data Source/ Originator	BAR
Data Source Website	dhr.dos.state.fl.us/bar/index.html
GET Last Downloaded From	
Source Date	2015-01
Data Access	public
Feature Type	Line
File Format	Shapefile
Data Scale	1:24,000
Misc Notes	Source projection changed from nad27 to wgs84. According to the source metadata, in December 2014 the datum of the base data layer was translated from NAD27 to WGS84 using ArcGIS 10.2.1 and a composite transformation (NAD27 to NAD83 NADCON & NAD83 to WGS84 ITRF00).
UPDATE STATUS	
Date Added to FGDL	2015-02-02
Update Status	2015 - Updated
Old Layer Name	SHPO_BRIDGES_OCT14
Is name consistent w/ old layer?	Y
Number of changed records	21
Date QAQC Completed	20-JAN-15
Date Last Checked for Update	14-JAN-15
Update Notes	
Delete Status:	Replaced by SHPO_BRIDGES_APR15
Date Deleted:	28-APR-15
FGDL/ ETDM Status	
ETDM Layer?	Y
ETDM Analysis Layer?	Y
FGDL Layer?	Y
SDE LOAD INFO	

 ETAT.SHPO_BRIDGES_APR05	SDE Feature Class
 ETAT.SHPO_BRIDGES_APR06	SDE Feature Class
 ETAT.SHPO_BRIDGES_APR08	SDE Feature Class
 ETAT.SHPO_BRIDGES_APR09	SDE Feature Class
 ETAT.SHPO_BRIDGES_APR11	SDE Feature Class
 ETAT.SHPO_BRIDGES_APR13	SDE Feature Class
 ETAT.SHPO_BRIDGES_APR14	SDE Feature Class
 ETAT.SHPO_BRIDGES_APR15	SDE Feature Class
 ETAT.SHPO_BRIDGES_AUG06	SDE Feature Class
 ETAT.SHPO_BRIDGES_JAN08	SDE Feature Class
 ETAT.SHPO_BRIDGES_JAN09	SDE Feature Class
 ETAT.SHPO_BRIDGES_JAN10	SDE Feature Class
 ETAT.SHPO_BRIDGES_JAN11	SDE Feature Class
 ETAT.SHPO_BRIDGES_JAN12	SDE Feature Class
 ETAT.SHPO_BRIDGES_JAN13	SDE Feature Class
 ETAT.SHPO_BRIDGES_JAN14	SDE Feature Class
 ETAT.SHPO_BRIDGES_JAN15	SDE Feature Class
 ETAT.SHPO_BRIDGES_JUL08	SDE Feature Class
 ETAT.SHPO_BRIDGES_JUL10	SDE Feature Class
 ETAT.SHPO_BRIDGES_JUL11	SDE Feature Class
 ETAT.SHPO_BRIDGES_JUL12	SDE Feature Class
 ETAT.SHPO_BRIDGES_JUL13	SDE Feature Class
 ETAT.SHPO_BRIDGES_JUL14	SDE Feature Class
 ETAT.SHPO_BRIDGES_JUL15	SDE Feature Class
 ETAT.SHPO_BRIDGES_OCT05	SDE Feature Class
 ETAT.SHPO_BRIDGES_OCT06	SDE Feature Class
 ETAT.SHPO_BRIDGES_OCT07	SDE Feature Class
 ETAT.SHPO_BRIDGES_OCT09	SDE Feature Class
 ETAT.SHPO_BRIDGES_OCT11	SDE Feature Class
 ETAT.SHPO_BRIDGES_OCT12	SDE Feature Class
 ETAT.SHPO_BRIDGES_OCT13	SDE Feature Class
 ETAT.SHPO_BRIDGES_OCT14	SDE Feature Class

GeoPlan Center Gaming/PSM/WP

FDOT GDB Download



DOTShapesGDB.zip

basemap_route_road	
FID	
Shape	
ROAD_ID	
RD_STATUS	
NUMSECTION	
COUNTY	
SECTION_	
BEGIN_POST	
END_POST	
RTLLENGTH	
HIGHMEASUR	
Shape_Length	

Gaming/PSM CSV Files Uploaded Nightly by FDOT to
GeoPlan ftp

GISROAD20150701	
RDWYID	
ITMSEG	
BEGSECPT	
ENDSECPT	

PSMDETL20150701_0137	
WPITEM	
WPITMSEG	
ACTNUMBR	
ACTEVENT	
DESCRIPT	
ACTUAL_START	
ACTUAL_FINISH	
EARLY_START	
EARLY_FINISH	
GEO_DISTRICT	
COUNTY	
MANDISDV	
PROJDESC	
TRANSDTE	

FDOT WP Excel –
Updated Yearly

awp2016_07_01	
OBJECTID	
DISTRICT	
WPITEM	
WPITMSEG	
COUNTY_CODE	
COUNTY_NAME	
DESCRIPTION	
BEGIN_MILE	
END_MILE	
LENGTH	
PROJECT_TYPE	
PHASE_NAME	
FISCAL_YEAR	
AMOUNT	
BOXNAME	
CATEGORY	

RCI_GAMING	
ITMSEG	
RDWYID	
OBJECTID	
BEGSECPT	
ENDSECPT	
DESCRIPT	
FGDLAQDATE	
LOC_ERROR	
SHAPE	

PSMDEV_ACTIVITY_UPLOAD	
WPITEM_SEG	
OBJECTID	
WPITEM	
WPITMSEG	
ACTNUMBR	
DESCRIPT	
ACTUAL_START	
ACTUAL_FINISH	
EARLY_START	
EARLY_FINISH	
GEO_DISTRICT	
COUNTY	
PROJDESC	
FGDLAQDATE	
TRANSDTE	
PSMDETL	
ACTEVENT	
MANDISDV	

FDOT_WP_2015	
WPITEM_SEG	
OBJECTID	
DISTRICT	
WPITEM	
WPITMSEG	
COUNTY_CODE	
COUNTY_NAME	
DESCRIPTION	
BEGIN_MILE	
END_MILE	
LENGTH	
PROJECT_TYPE	
PHASE_NAME	
FISCAL_YEAR	
AMOUNT	
BOXNAME	
CATEGORY	
PHASE_YEAR	
PHASE	
LOC_ERROR	
DESCRIPT	
FGDLAQDATE	
AUTOID	
SHAPE	



ETDM Metrics:

- Stats: 7/1/2006 - 7/1/2015 (9 years/3285 days)
- 3164 total
- 958 new (~1 new layer every 3.4 days)
- 2266 Updated
- Average: 351/yr

FGDL Update

- ESRI's Metadata Explorer has been primary data distribution web portal since 2004
- Dated, limited functionality (no map!) and old software
- FGDL needs a facelift!
- GeoPlan Team reviewed 45 data portals developed using open source and proprietary software packages, then chose 3 to test deeper
- Chose and began developing with Open Geoportal (OGP)

Open Geoportal (OGP)

- OGP is a collaboratively developed, open source web application for searching, displaying, and downloading geospatial data.
- OGP stack includes Geoserver (open source map server), Solr/Lucene (search index)
- OGP project is led by Tufts University, w/ assistance from Harvard & MIT
- A beta version of the FGDL site is currently being tested, with live roll-out scheduled for Fall 2015.



SEARCH

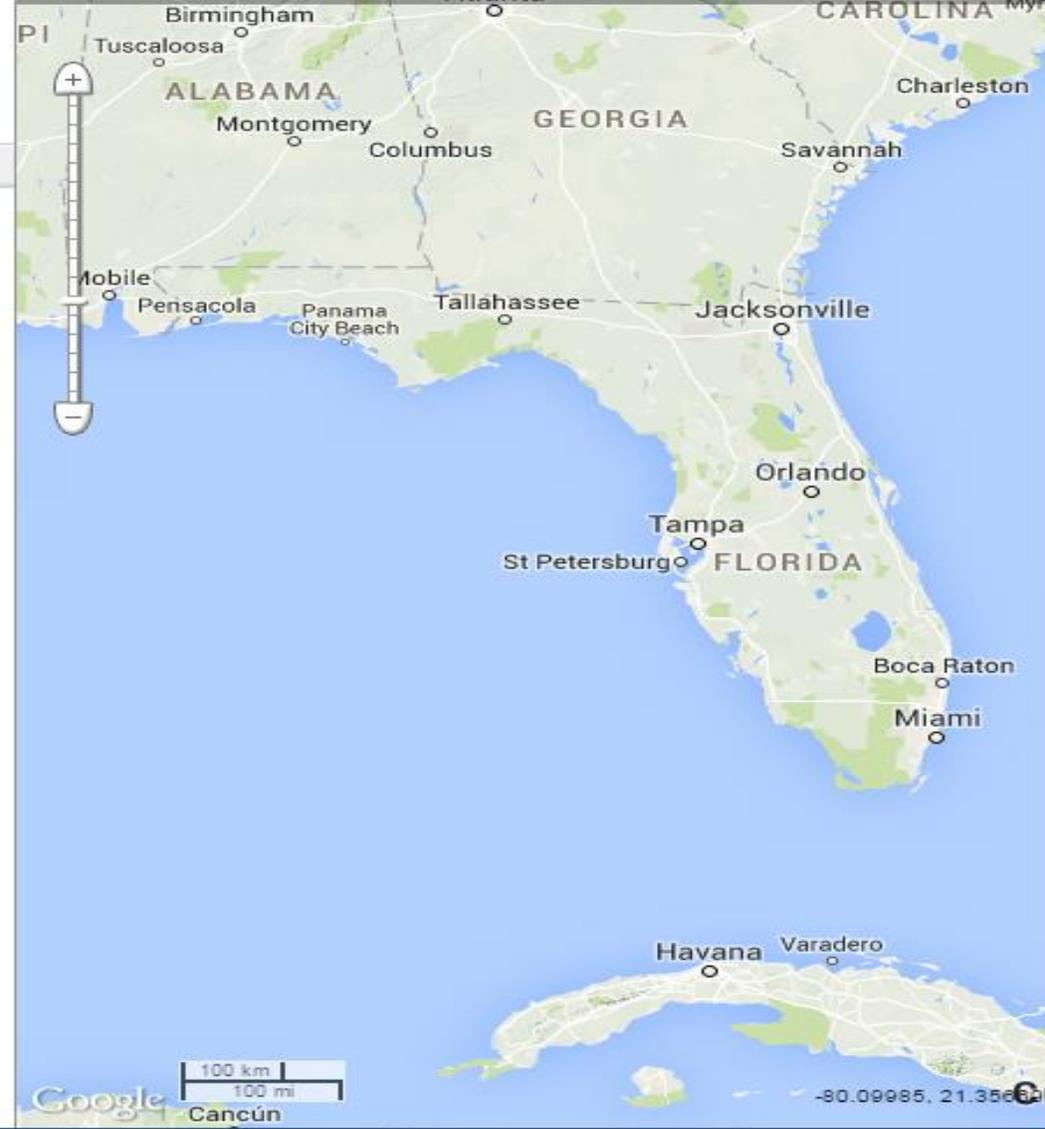
Limit results to visible map area [advanced options](#)

0 RESULTS

Welcome to the Florida Geographic Data Library

Enter a keyword and/or interact with the map to discover geospatial data.
You can also browse and download shapefiles directly using the FTP site at <ftp://ftp.fgdl.org/pub/state/>

Map navigation toolbar: Home, Back, Forward, Search, Hand, Clear previews, Place (Example: Jacksonville, FL), Go



BETA



FGDL

FLORIDA GEOGRAPHIC DATA LIBRARY

Reset User Guide Highlights

Getting Started Search Browse Cart (0)

Print Basemap

SEARCH

shpo Search

Limit results to visible map area [advanced options](#)

6 RESULTS by Relevancy

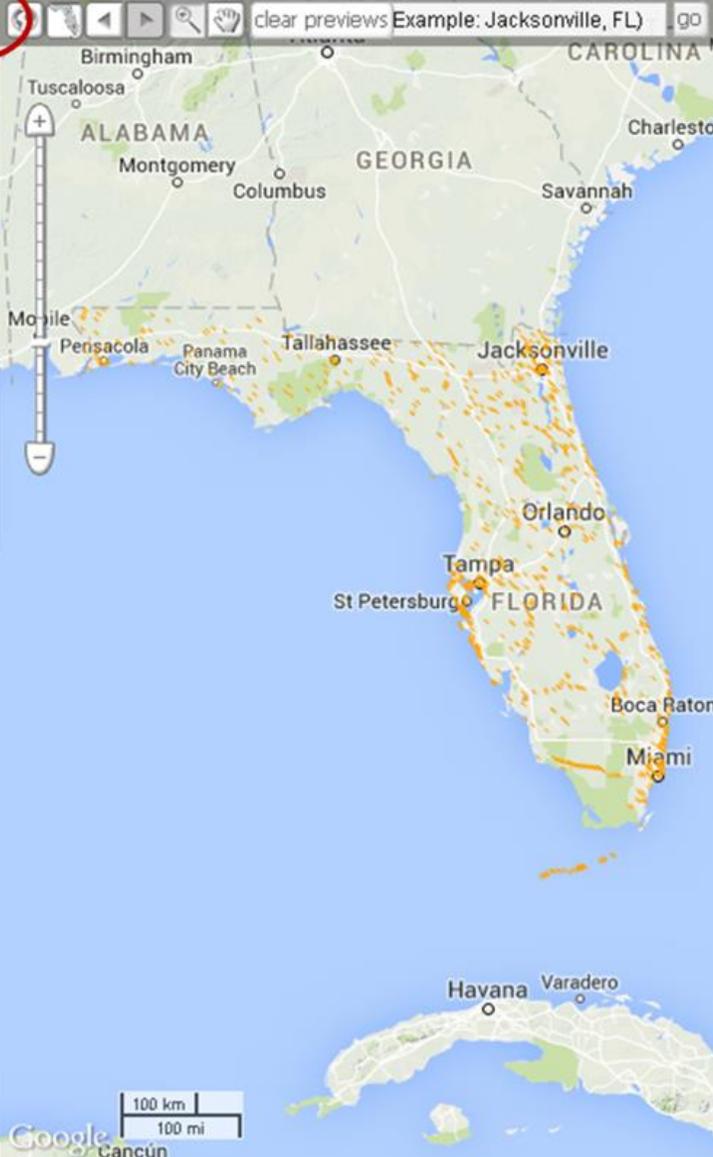
Columns

Preview	Type	Filename	Title	Originator	Date	Rep	Meta	
<input checked="" type="checkbox"/>	Layer	SHPO_BRIDGES_JUL	HISTORIC BRIDGES IN FLORIDA - JULY 2015	Bureau of Archaeological Resear	2015	FGDL	i	+
		opacity: 100%						
<input type="checkbox"/>	Layer	SHPO_CEMETERIES_HISTORIC	CEMETERIES IN FLORIDA - JULY 2015	Bureau of Archaeological Resear	2015	FGDL	i	+
<input type="checkbox"/>	Layer	SHPO_STRUCTURES_HISTORICAL	STRUCTURE LOCATIONS IN FLORIDA - JUI	Bureau of Archaeological Resear	2015	FGDL	i	+
<input type="checkbox"/>	Layer	SHPO_SURVEYS_JUL	FIELD SURVEY PROJECT BOUNDARIES AND ATTRIBUTI	Bureau of Archaeological Resear	2015	FGDL	i	+
<input type="checkbox"/>	Layer	SHPO_RES_GROUPS	RESOURCE GROUPS IN FLORIDA - JULY 2015	Bureau of Archaeological Resear	2015	FGDL	i	+
<input type="checkbox"/>	Layer	GC_CEMETERY_MAR	CEMETERIES IN FLORIDA - 2013	University of Florida GeoPlan Cer	1999	FGDL	i	+



Tools for controlling frames:

- Slide map (full screen)
- Search results



BETA

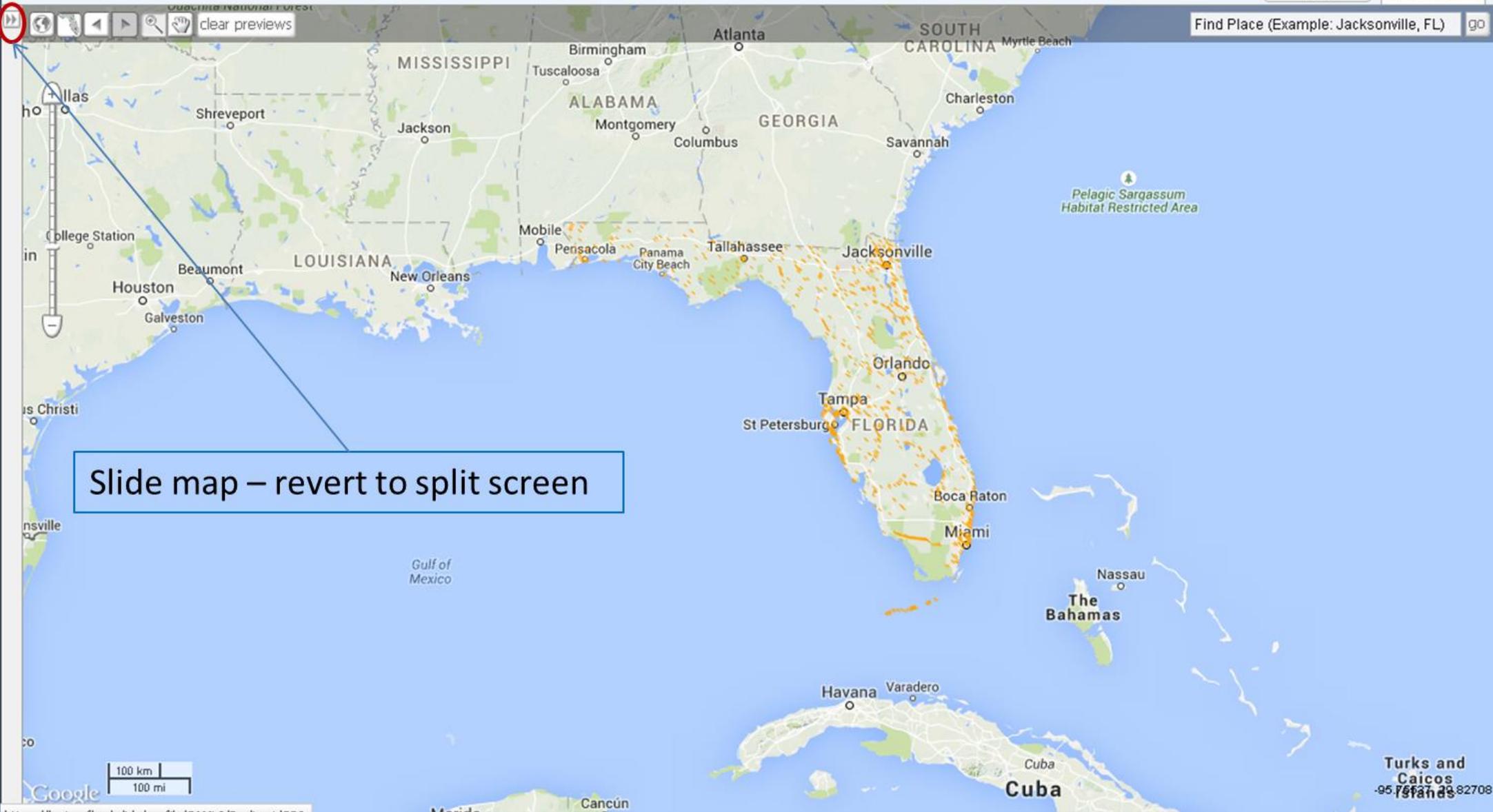


FGDL
FLORIDA GEOGRAPHIC DATA LIBRARY

Reset User Guide Highlights

Print Basemap

Find Place (Example: Jacksonville, FL) go



Slide map - revert to split screen

Google

100 km
100 mi

Turks and
Caicos
Islands
-95.7527, 23.82708



SEARCH

Limit results to visible map area

[advanced options](#)

0 RESULTS

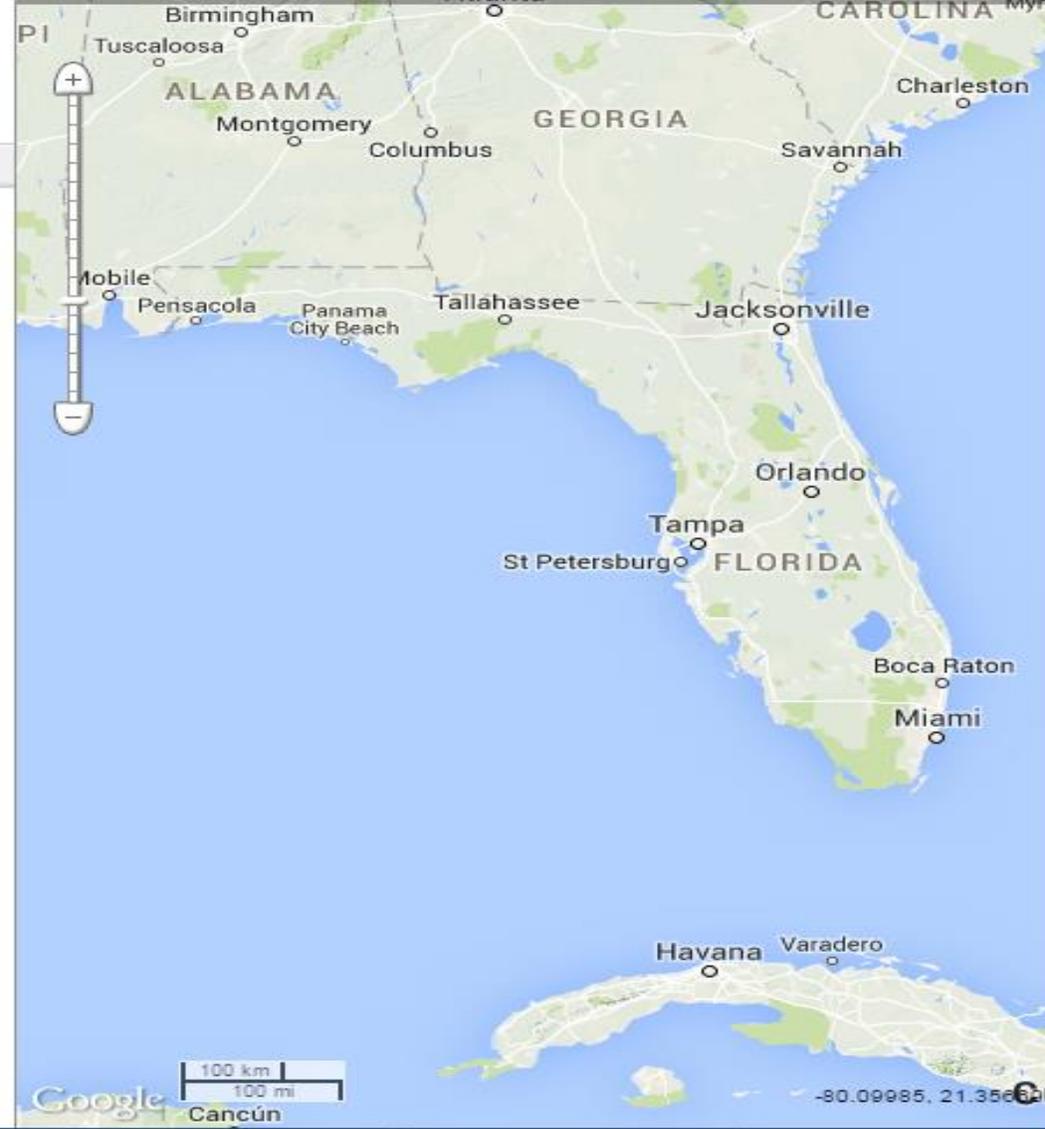
Welcome to the Florida Geographic Data Library

Enter a keyword and/or interact with the map to discover geospatial data.

You can also browse and download shapefiles directly using the FTP site at <ftp://ftp.fgdl.org/pub/state/>

Use basic or advanced searching.

Map navigation controls: Home, Back, Forward, Search, Pan, Clear previews, Place (Example: Jacksonville, FL), Go





SEARCH

clear previews place (Example: Jacksonville, FL) go

road

Search

- RCIROAD
- RCIROADSFE
- FEDERAL RAILROAD ADMINISTRATION
- U.S. DEPARTMENT OF TRANSPORTATION, BUREAU OF TRANSPORTATION STATISTICS, FEDERAL RAILROAD ADMINISTRATION

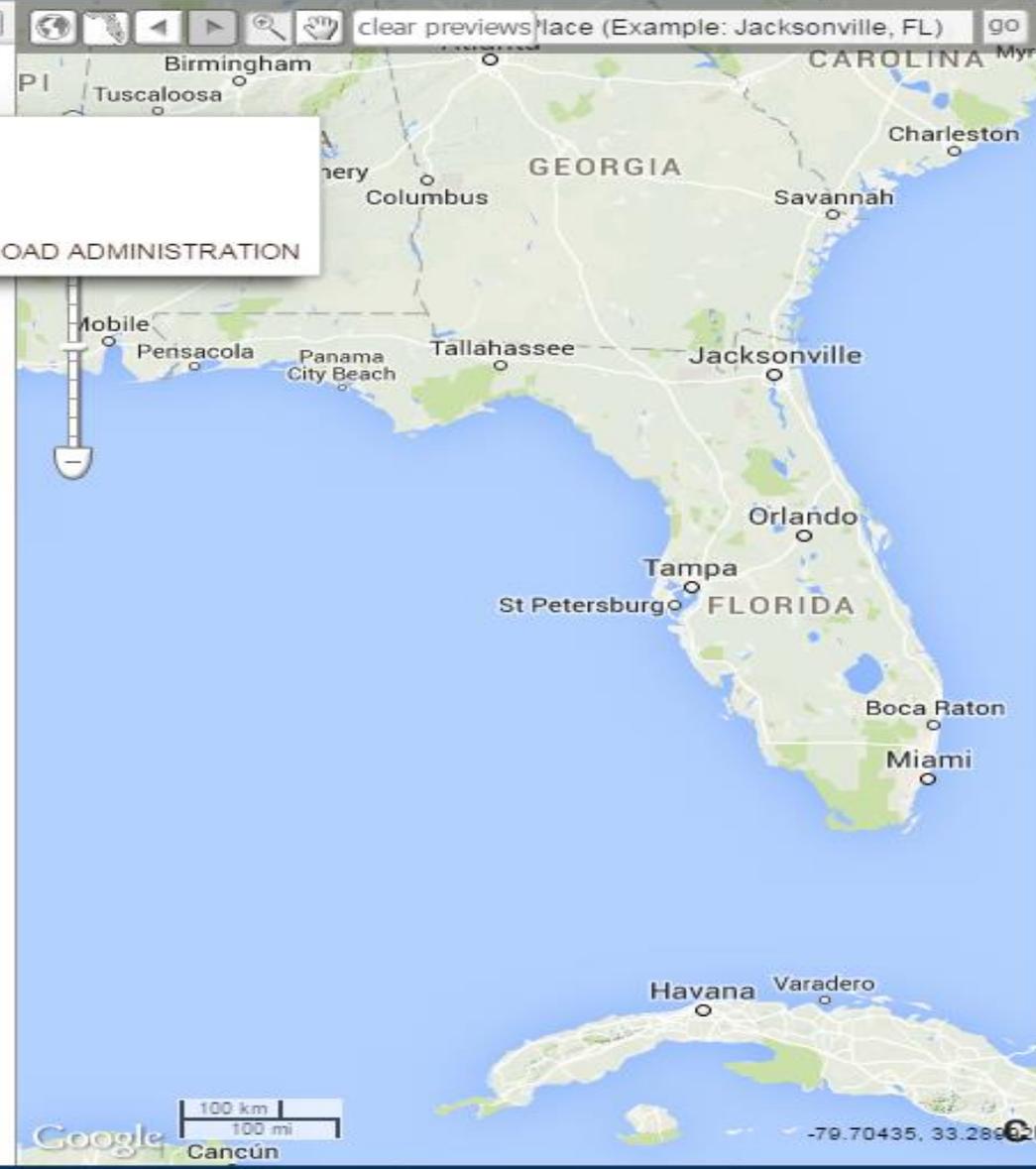
Welcome to the Florida Geographic Data Library

Enter a keyword and/or interact with the map to discover geospatial data.

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Basic search offers auto-completion of search terms

Users can bypass site and go straight to FTP for shapefile download



SEARCH

clear previews Example: Jacksonville, FL

Originator: Florida Dep

Keyword(s) / Abstract: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 FLORIDA DEPARTMENT OF TRANSPORTATION, TRANSPORTATION STATISTICS OFFICE (TRANSTAT)
 Year(s): U.S. GEOLOGICAL SURVEY, U.S. ENVIRONMENTAL PROTECTION AGENCY, USDA FOREST SERVICE, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 Filename: PROTECTION
 Topic: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WASTE MANAGEMENT
 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATERSHED RESTORATION
 Data Type: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, WATERSHED ASSESSMENT SECTION

Data Repository: Select repositories

Include Restricted Data

Clear Search

Limit results to visible map area

[basic options](#)

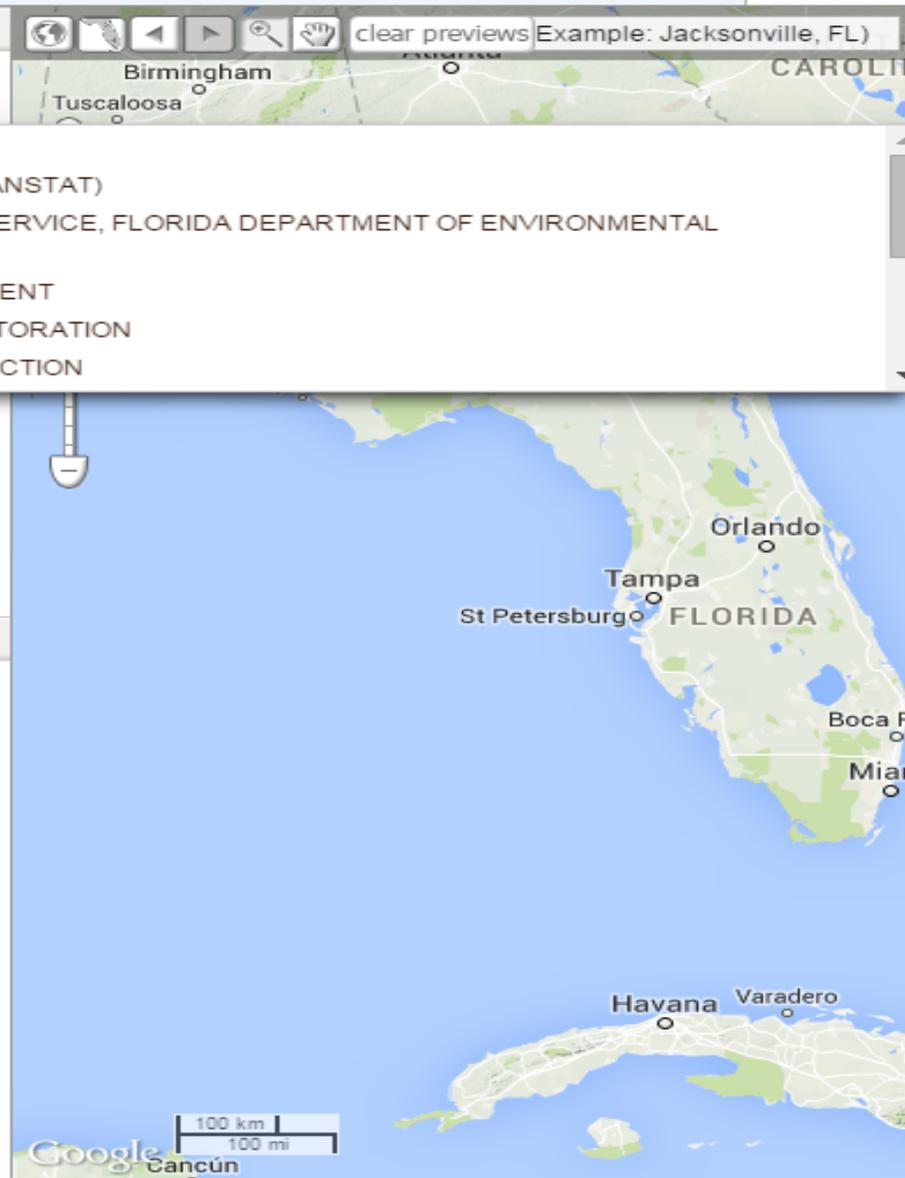
0 RESULTS

Welcome to the Florida Geographic Data Library

Enter a keyword and/or interact with the map to discover geospatial data.

You can also browse and download shapefiles directly using the FTP site at <ftp://ftp.fgdl.org/pub/state/>

Advanced searching includes auto-completion and filters to find data quicker and easier



Browse by ETDM Issue

Getting Started Search Browse Cart (0)

Print Basemap

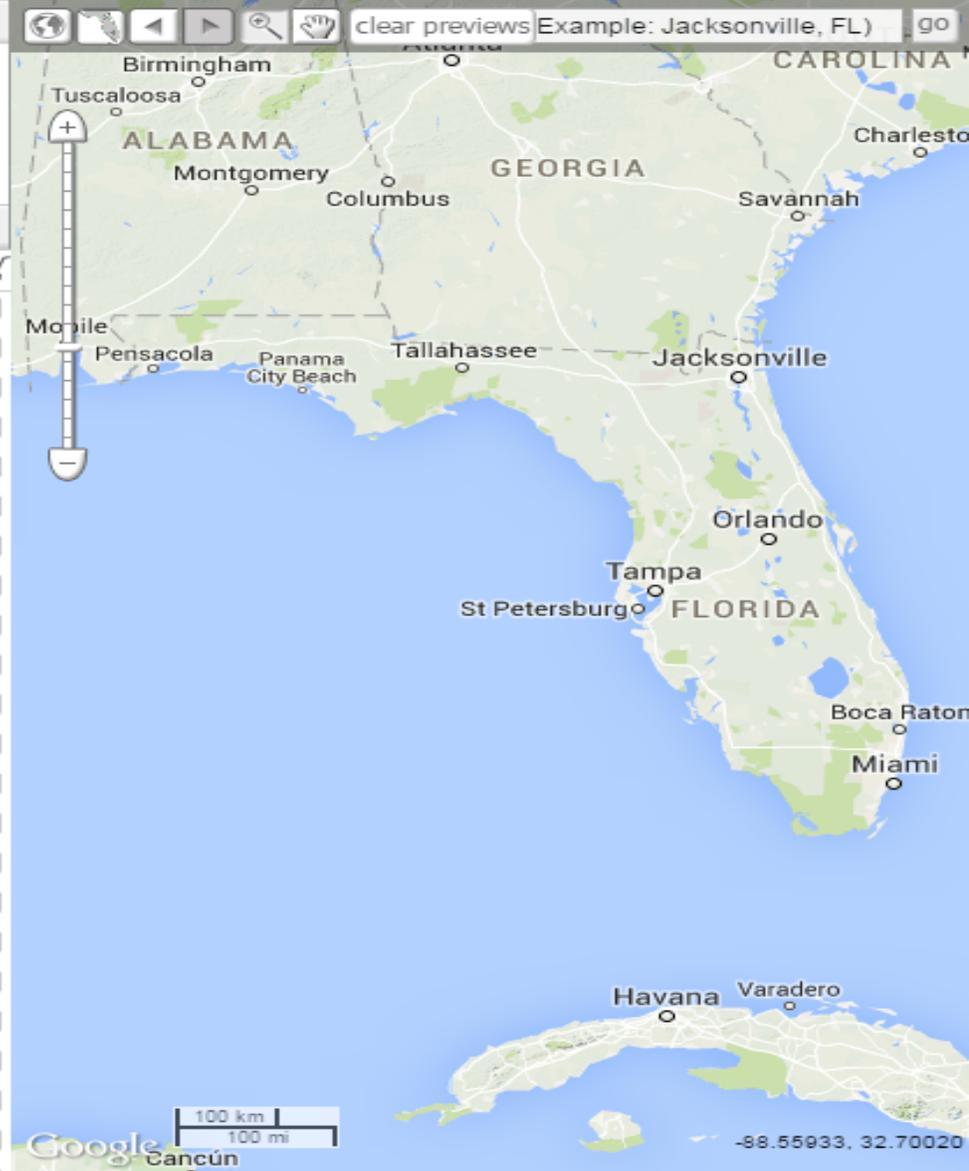
BROWSE

ETDM Issues

Historic and Archaeological Sites

LAYERS

Preview	Type	Filename	Title	Originator	Date	Rep	Meta	
<input type="checkbox"/>		AMINDIANLA	AMERICAN INDIAN LANDS AND NATIVE ENTIT	University of Florida	Ge	2008		
<input type="checkbox"/>		BTSWW_201	NAVIGABLE WATERWAY NETWORK IN FLORIC	U.S. Department of Tran	2013			
<input type="checkbox"/>		D2_LU_GEN	GENERALIZED LAND USE DERIVED FROM 20'	University of Florida	Ge	2014		
<input type="checkbox"/>		D3_LU_GEN	GENERALIZED LAND USE DERIVED FROM 20'	University of Florida	Ge	2014		
<input type="checkbox"/>		D1_LU_GEN	GENERALIZED LAND USE DERIVED FROM 20'	University of Florida	Ge	2014		
<input type="checkbox"/>		CENPLACE2I	2010 Census Places in Florida	U.S. Department of Corr	2010			
<input type="checkbox"/>		CLGBND_MA	NATIONAL HISTORIC PRESERVATION ACT - FL	University of Florida	Ge	2011		
<input type="checkbox"/>		D5_LU_GEN	GENERALIZED LAND USE DERIVED FROM 20'	University of Florida	Ge	2014		
<input type="checkbox"/>		D7_LU_GEN	GENERALIZED LAND USE DERIVED FROM 20'	University of Florida	Ge	2014		
<input type="checkbox"/>		D6_LU_GEN	GENERALIZED LAND USE DERIVED FROM 20'	University of Florida	Ge	2014		
<input type="checkbox"/>		D4_LU_GEN	GENERALIZED LAND USE DERIVED FROM 20'	University of Florida	Ge	2014		
<input type="checkbox"/>		DOTBND	FLORIDA DEPARTMENT OF TRANSPORTATIO	University of Florida	Ge	1998		
<input type="checkbox"/>		FDEP_DISTB	FLORIDA DEPARTMENT OF ENVRIONMENTAL	Florida Department of E	2012			
<input type="checkbox"/>		GC_CEMETE	CEMETERIES IN FLORIDA - 2013	University of Florida	Ge	1999		
<input type="checkbox"/>		GC_HOSPITA	HOSPITAL FACILITIES IN FLORIDA - 2013	University of Florida	Ge	2003		
<input type="checkbox"/>		GC_HEALTH	FLORIDA HEALTH CARE FACILITIES - 2009	University of Florida	Ge	2003		
<input type="checkbox"/>		GC_SCHOOL	FLORIDA PUBLIC AND PRIVATE SCHOOLS 20'	University of Florida	Ge	2003		
<input type="checkbox"/>		LU_SFWM	SOUTH FLORIDA WATER MANAGEMENT DISTI	South Florida Water	2007			
<input type="checkbox"/>		LU_SRWMD	SUWANNEE RIVER WATER MANAGEMENT DI	Florida Department of E	2009			
<input type="checkbox"/>		LU_SWFWM	SOUTHWEST FLORIDA WATER MANAGEMENT	Southwest Florida Wate	2011			
<input type="checkbox"/>		MARFAC	FLORIDA MARINE FACILITIES	Florida Fish and Wildlife	0001			
<input type="checkbox"/>		MANGROVES	FLORIDA MANGROVES - 2014	Florida Fish and Wildlife	2009			
<input type="checkbox"/>		PAR_CITYLM	CITY LIMITS - DERIVED FROM FLORIDA PARCI	University of Florida	Ge	2011		



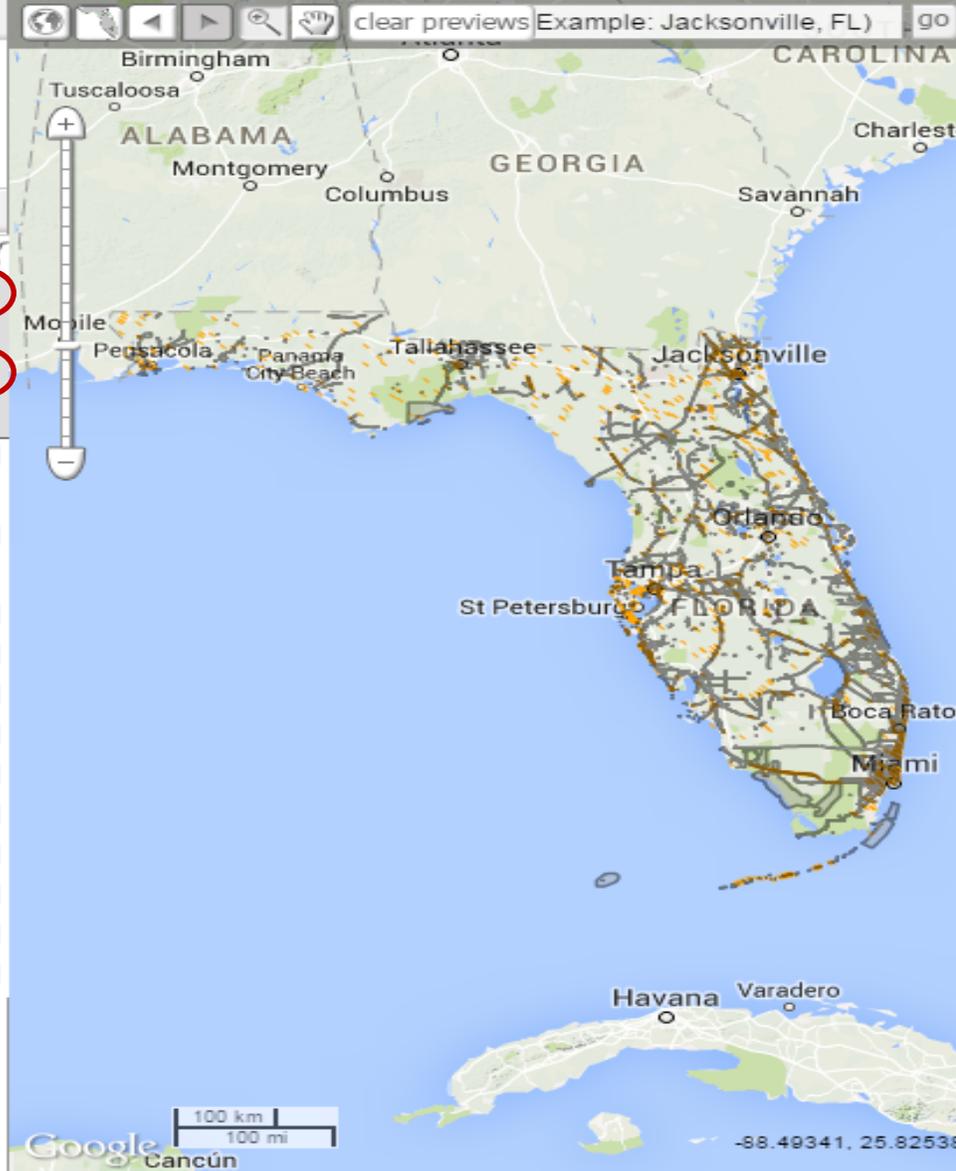
SEARCH

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14 RESULTS by Relevancy Columns

Preview	Type	Filename	Title	Originator	Date	Rep	Meta	
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<input type="checkbox"/>		SHPO_SURVEYS_JUL15	FIELD SURVEY PROJECT	Bureau of Archaeological	2015	FS DL	i	<input type="checkbox"/>
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<input type="checkbox"/>		SHPO_SURVEYS_JUL14	FIELD SURVEY PROJECT	Bureau of Archaeological	2014	FS DL	i	<input type="checkbox"/>
<input type="checkbox"/>		SHPO_CEMETERIES_JUL15	HISTORIC CEMETERIES IN	Bureau of Archaeological	2015	FS DL	i	<input type="checkbox"/>
<input type="checkbox"/>		SHPO_SURVEYS_APR15	FIELD SURVEY PROJECT	Bureau of Archaeological	2015	FS DL	i	<input type="checkbox"/>
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<input type="checkbox"/>		SHPO_STRUCTURES_APR15	HISTORICAL STRUCTURE	Bureau of Archaeological	2015	FS DL	i	<input type="checkbox"/>
<input type="checkbox"/>		SHPO_STRUCTURES_JUL14	HISTORICAL STRUCTURE	Bureau of Archaeological	2014	FS DL	i	<input type="checkbox"/>
<input type="checkbox"/>		SHPO_CEMETERIES_JUL14	HISTORIC CEMETERIES IN	Bureau of Archaeological	2014	FS DL	i	<input type="checkbox"/>
<input type="checkbox"/>		SHPO_STRUCTURES_JUL15	HISTORICAL STRUCTURE	Bureau of Archaeological	2015	FS DL	i	<input type="checkbox"/>
<input type="checkbox"/>		SHPO_RES_GROUPS_APR15	RESOURCE GROUPS IN F	Bureau of Archaeological	2015	FS DL	i	<input type="checkbox"/>
<input type="checkbox"/>		SHPO_RES_GROUPS_JUL14	RESOURCE GROUPS IN F	Bureau of Archaeological	2014	FS DL	i	<input type="checkbox"/>



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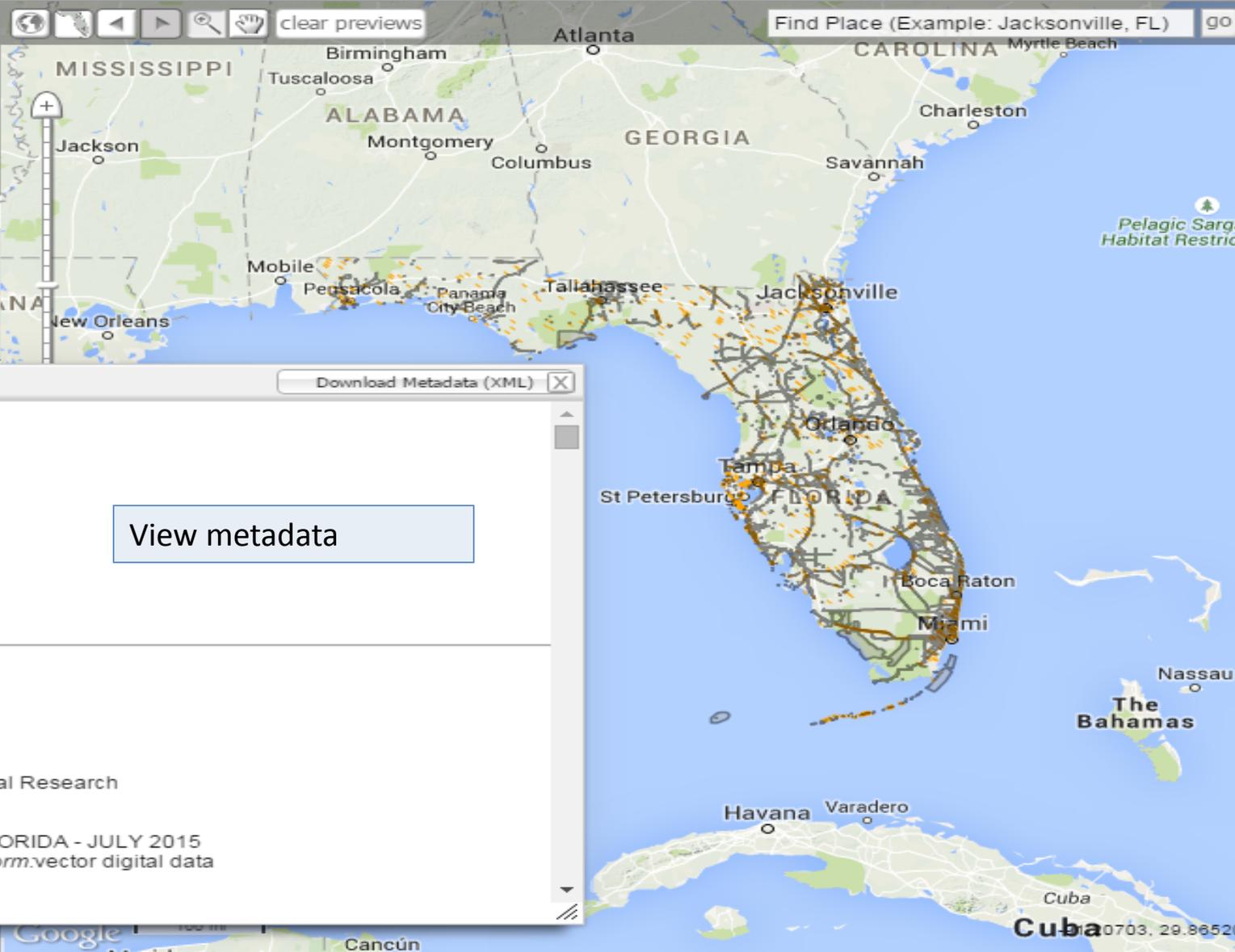
SEARCH

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14 RESULTS by Relevancy Columns

Preview	Type	Filename	Title	Originator	Date	Rep	Meta
<input checked="" type="checkbox"/>		SHPO_BRIDGE	HISTORIC BRIDGES IN FLORIDA - JULY 2015	Bureau of Archaeological Research	201507		
<input checked="" type="checkbox"/>		SHPO_RES_GR	RESOURCE RESTRICTIONS IN FLORIDA - JULY 2015	Bureau of Archaeological Research	201507		



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HISTORIC BRIDGES IN FLORIDA - JULY 2015

Metadata:

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- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)

Identification_Information:

Citation:

Citation_Information:

*Originator:*Bureau of Archaeological Research
*Publication_Date:*201507
Title: HISTORIC BRIDGES IN FLORIDA - JULY 2015
*Geospatial_Data_Presentation_Form:*vector digital data
Publication_Information:

View metadata



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LAYERS (2)

Preview	Type	Filename	Title	Originator	Date	Rep	Meta
<input checked="" type="checkbox"/>		SHPO_RES_RESOURCE GROUPS IN FLORIDA - JULY 2015	Bureau of Archaeologic. 2015	FC	OL		
<input checked="" type="checkbox"/>		SHPO_BRIDG(HISTORIC BRIDGES IN FLORIDA - JULY 2015	Bureau of Archaeologic. 2015	FC	OL		

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```
https://geoportal02.geoplan.ufl.edu/ogp-fgdl/openGeoPortalHome.jsp?layer%5B%5D=FGDL_SHPO_RES_GROUPS_JUL15&layer%5B%5D=FGDL_SHPO_BRIDGES_JUL15&minX=-88.559326171875&minY=21.213369833382&maxX=-79.440673828125&maxY=34.384945424001
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Questions/ More Information

Alexis Thomas (alexis@geoplan.ufl.edu)

An in depth article on the QA/QC process will be published this Fall in the [Journal of Map & Geography Libraries](#)