Adding Digital Coast: Legislative Atlas Data Layers in Web Feature Service (WFS) Format to ArcGIS 9.2

NOTE: These instructions will only work with ArcGIS 9.2. Previous versions of ArcGIS 9.x will require the Data Interoperability Extension to access WFS data layers.

- 1. Open ArcCatalog
- 2. Expand the "Interoperability Connections" option in the Table of Contents on the left-hand side of the Graphical User Interface (GUI) and double click on **Add Interoperability Connection** (Figure 1).



(Figure1 – The Add Interoperability Connection link in ArcCatalog)

 Click on the ... button next to the Format input field. In the subsequent window, make sure the **Read** option is checked for Web Feature Service (WFS) (Figure 2).

🤌 Formats Gallery						×
Description A	Short Name	Read	Write	Extension	Coord. Sys.	Туре
GML Simple Features Level SF-0 I	GMLSF	×	1	.gml;.xml;.g	\checkmark	File/Directory
Web Feature Service (WFS)	WFS	\sim				Url
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(Figure 2 – Enabling WFS Read capability in ArcMap)

- 4. Click OK.
- 5. Copy the following URL and paste it into the Dataset field:

http://maps.csc.noaa.gov/wfsconnector/com.esri.wfs.Esrimap/LegAtlas_WFS? (Figure 3)

Interoperabi	lity Connection	? ×
Source		
Format:	Web Feature Service (WFS)	•
Dataset:	http://maps.csc.noaa.gov/wfsconnector/co	
Settings	Coordinate System: Unknown	
	ОК	Cancel

(Figure 3 – Adding the WFS link to the Interoperability Connection window)

- 6. Click on the **Settings** button. In the next window, click on the ... button next to the "Table List" field.
- 7. Check the box next to the data layer(s) you wish to add to ArcCatalog (Figure 4). When you have finished, click **OK**.

🜒 Web Feature 🗄	Service (WFS) Table List	×			
Selected	Table				
	Active_Leases-75 {Feature polygon class Active_Leases (id=75)}				
	Alabama_Authorization_for_Leasing_of_Certain_State_Lands_for_Oil_and_Gas_Exploration_Develop	;			
	Alabama_Fishing_Laws-71 {Feature polygon class Alabama_Fishing_Laws (id=71)}				
	Alabama_Marine_Mammal_Protection_Act-70 {Feature polygon class Alabama_Marine_Mammal_P				
	Alabama_Right_of_Owners_of_Land_Fronting_Public_Waters_to_Plant_and_Gather_Oysters-69 {Features and the second sec	i			
	Alabama_Sale_and_Leasing_of_Sand_and_Gravel_on_Public_Water_Bottoms_and_Certain_State_				
	Alabama_State_Port_Authority-67 {Feature polygon class Alabama_State_Port_Authority (id=67)}				
	Alabama_Use_of_Commercial_Fishing_Gear_in_Public_Impounded_Waters_and_Navigable_Stream	·			
	Alabama_Water_Resources_Act-65 {Feature polygon class Alabama_Water_Resources_Act (id=65)	·			
	Artificial_Reefs-82 {Feature point class Artificial_Reefs (id=82)}				
	Authority_to_Manage_Swamp_and_Overflow_Lands_in_Alabama-73 {Feature polygon class Authorit	:			
	Authorization_to_Create_State_Parks_in_Texas-29 {Feature polygon class Authorization_to_Create_State_Parks_in_Texas-29 {Feature polygon class Authorization_to_Create_State_Parks_in_Texas-29 {Feature polygon class Authorization_to_Create_State_Parks_in_Texas-29 {Feature polygon class Authorization_to_Create_State_State_Parks_in_Texas-29 {Feature polygon class Authorization_to_Create_State	:			
	Authorization_to_Create_Wildlife_Management_Areas_in_Texas-18 {Feature polygon class Authoriza				
	Authorization_to_Establish_Fishing_Sanctuaries_and_Nursery_Grounds_in_Mississippi-41 {Feature r				
	Clean_Water_Act-24 {Feature polygon class Clean_Water_Act (id=24)}				
	Coastal_Watershed_Counties-8 {Feature polygon class Coastal_Watershed_Counties (id=8)}				
	Coastal_Zone_Management_Act-23 {Feature polygon class Coastal_Zone_Management_Act (id=23)				
	Filter by:				
	Select All Clear All OK Cancel				

(Figure 4 – Digital Coast: Legislative Atlas WFS table list)

- 8. Click **OK** to close the next window.
- 9. Click on the ... button next to the "Coordinate System" field.
- 10. Click Select, then double click on Geographic Coordinate Systems > North America > North American Datum 1983.prj. Click Add.
- 11. Click **OK** to dismiss the Spatial Reference Properties window.
- 12. Click **OK** once again to add the WFS connection. You can access these data layers in ArcMap by clicking on the **Add Data** button and selecting **Interoperability Connections** from the "Look in:" menu list.

The URL referenced in Step 5 can be used to add the Digital Coast: Legislative Atlas data layers to many additional GIS software packages. Consult the software's accompanying documentation for more information.

For more information on WFS, visit http://www.opengeospatial.org/standards/wfs