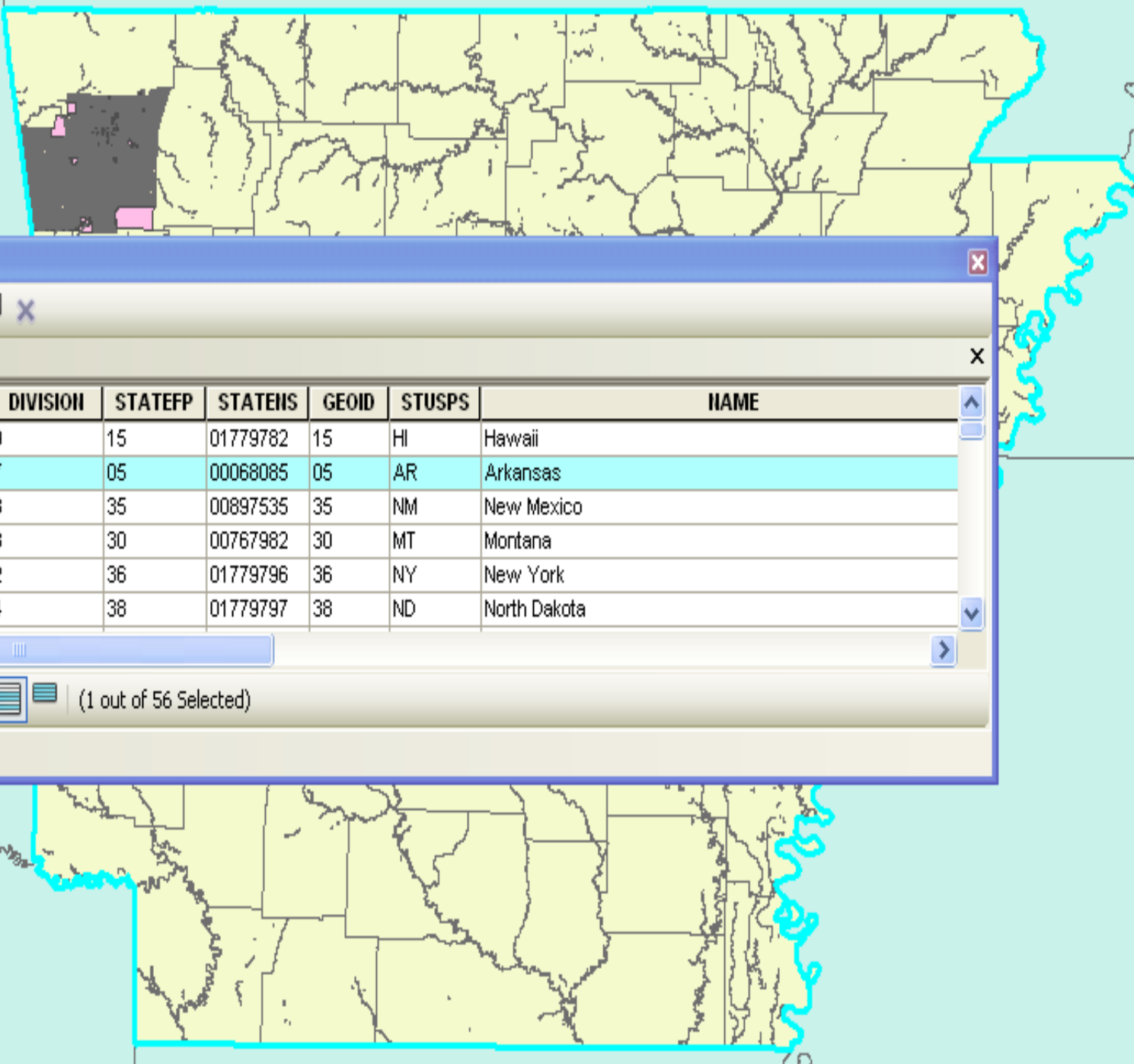




Selection is Highlighted

جامعة المستقبل / كلية العلوم
قسم الانظمة الطبية الذكية
المرحلة الثالثة



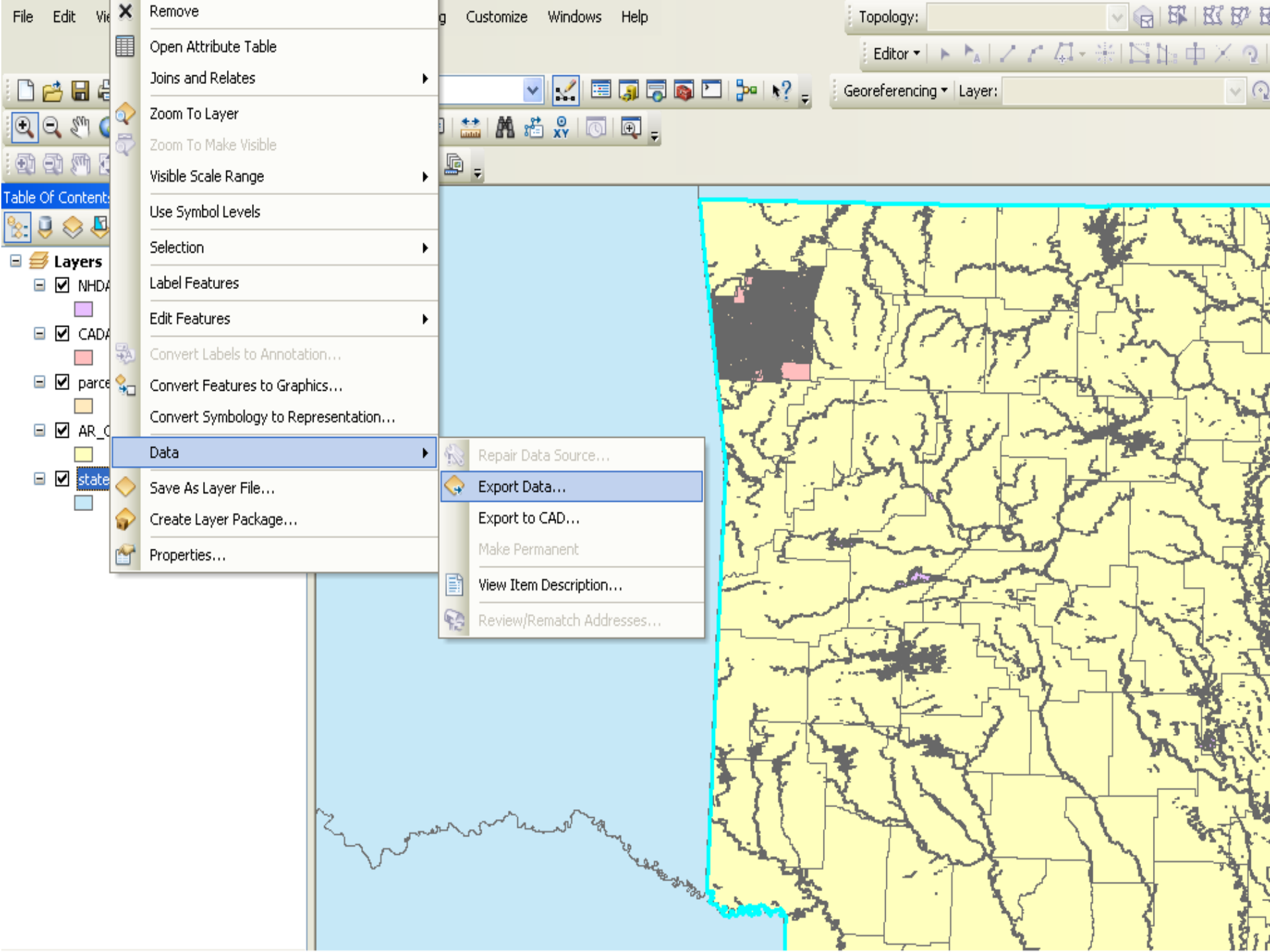
Table

states

	FID	Shape	REGION	DIVISION	STATEFP	STATENS	GEOID	STUSPS	NAME
▶	0	Polygon	4	9	15	01779782	15	HI	Hawaii
	1	Polygon	3	7	05	00068085	05	AR	Arkansas
	2	Polygon	4	8	35	00897535	35	NM	New Mexico
	3	Polygon	4	8	30	00767982	30	MT	Montana
	4	Polygon	1	2	36	01779796	36	NY	New York
	5	Polygon	2	4	38	01779797	38	ND	North Dakota

◀ 1 ▶ (1 out of 56 Selected)

states



Export Data



Export: Selected Features



Use the same coordinate system as:

- ☒ this layer's source data
- ☐ the data frame
- ☐ the feature dataset you export the data into
(only applies if you export to a feature dataset in a geodatabase)

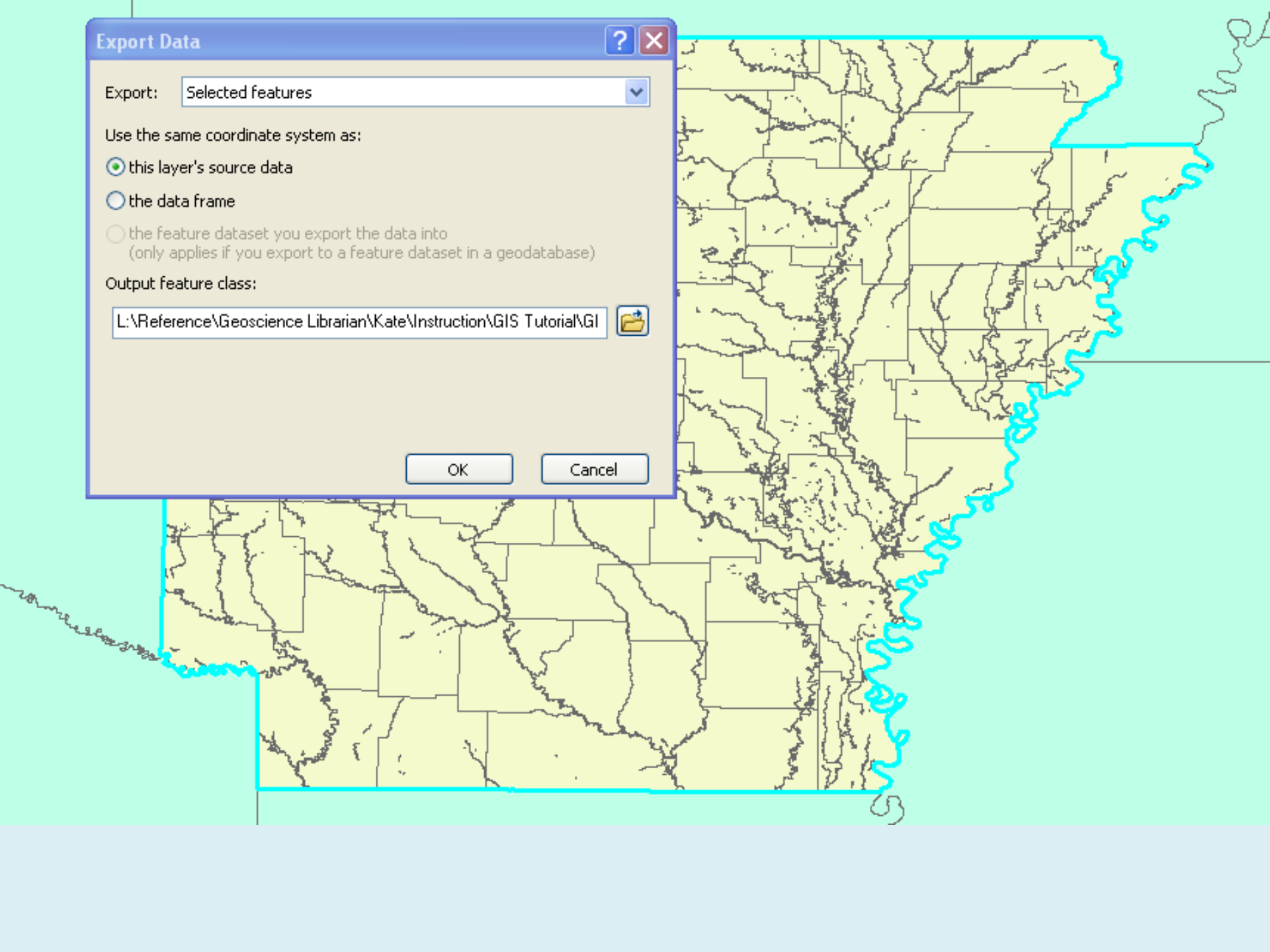
Output feature class:

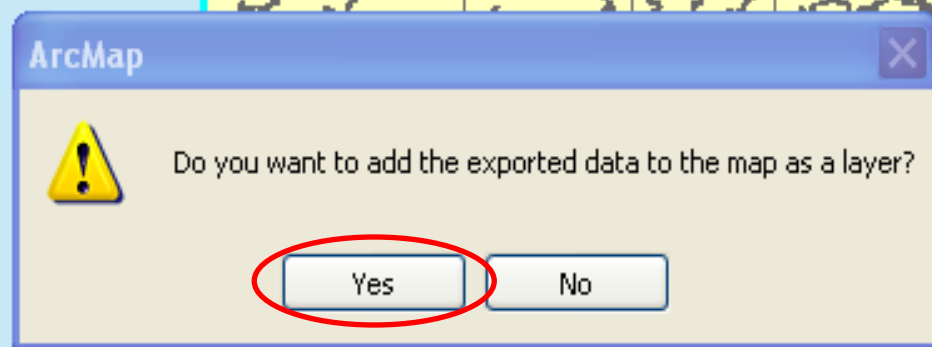
L:\Reference\Geoscience Librarian\Kate\Instruction\GIS Tutorial\GI



OK

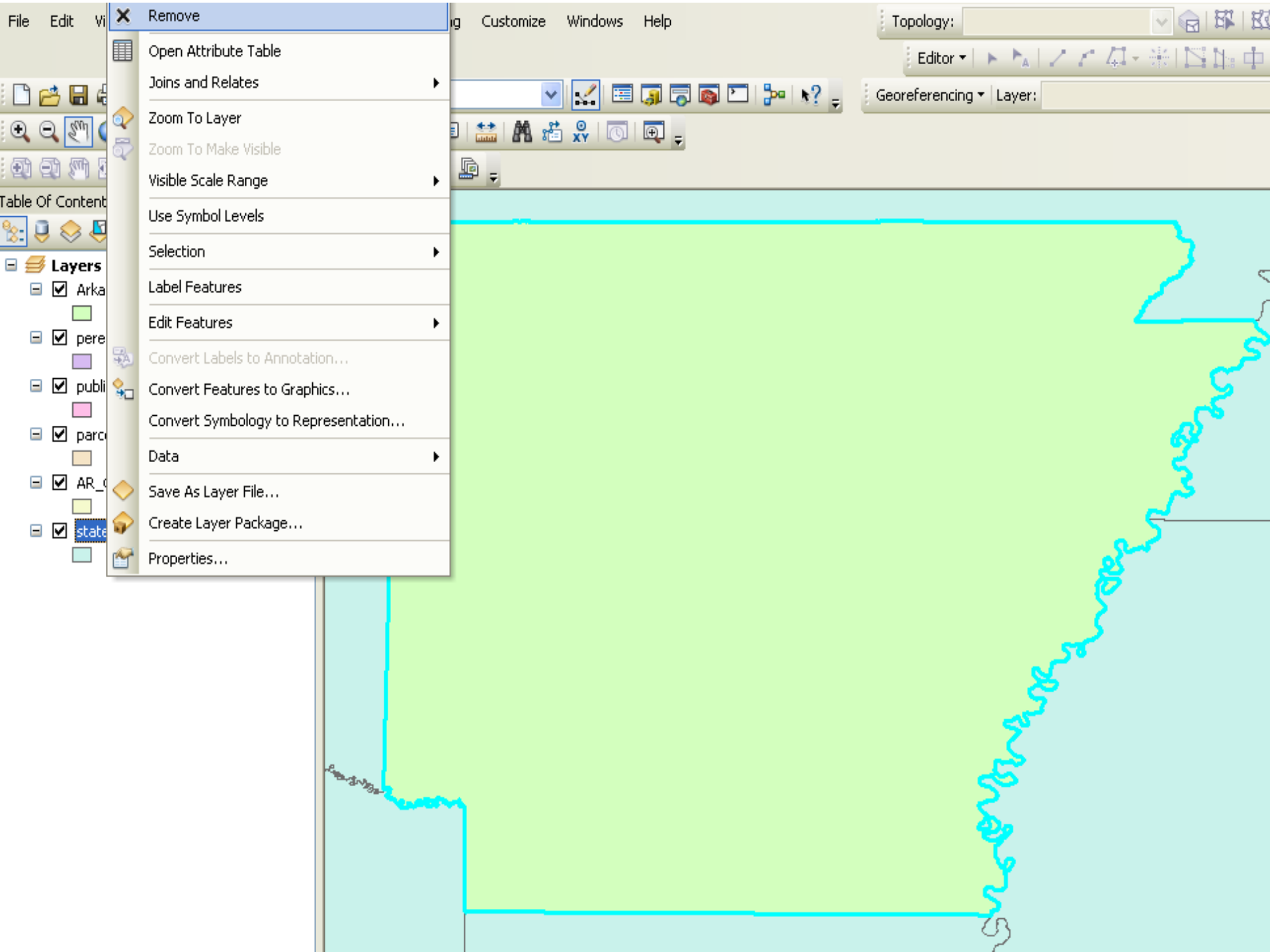
Cancel



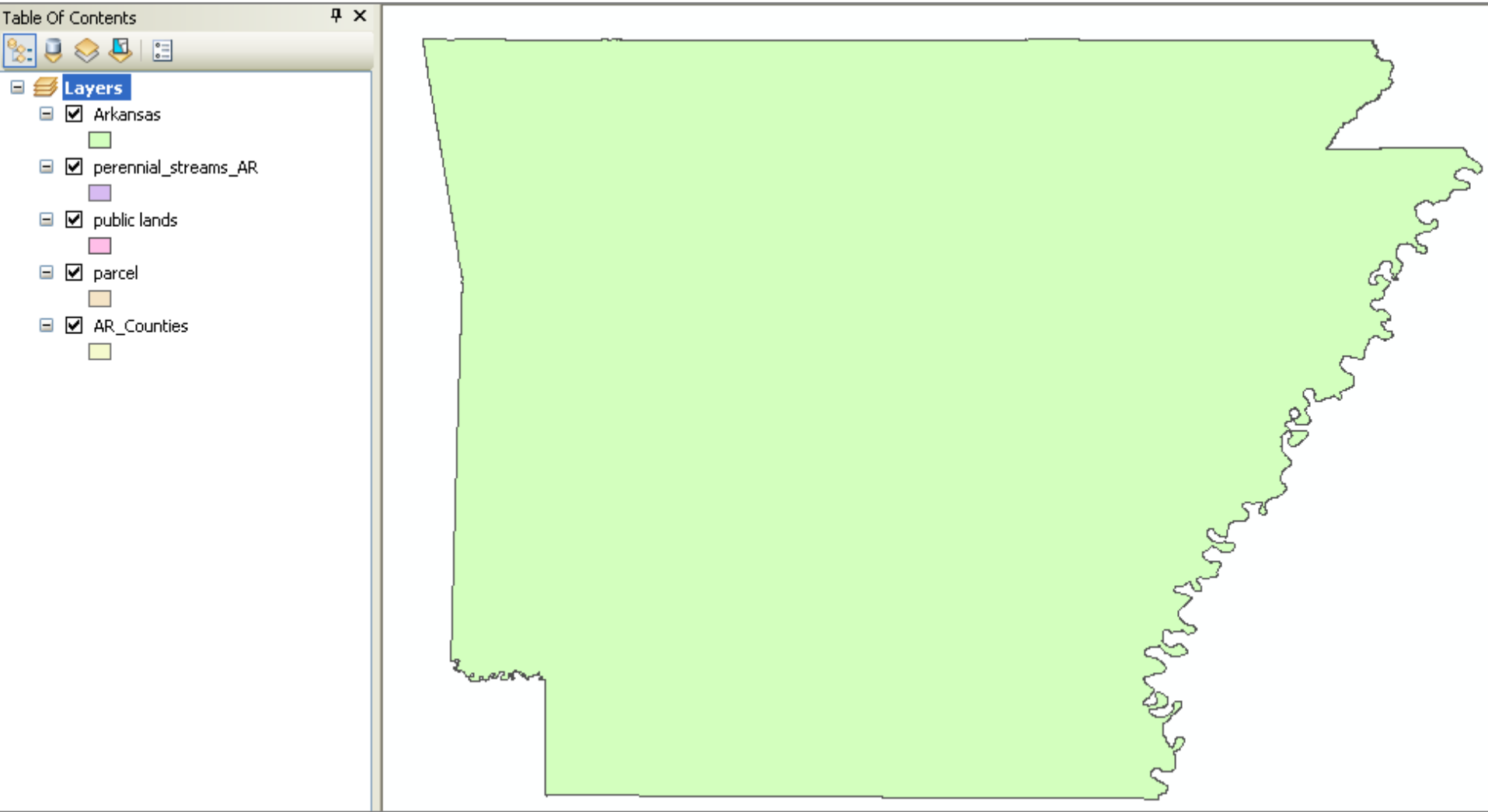


New Layer is Added to Map





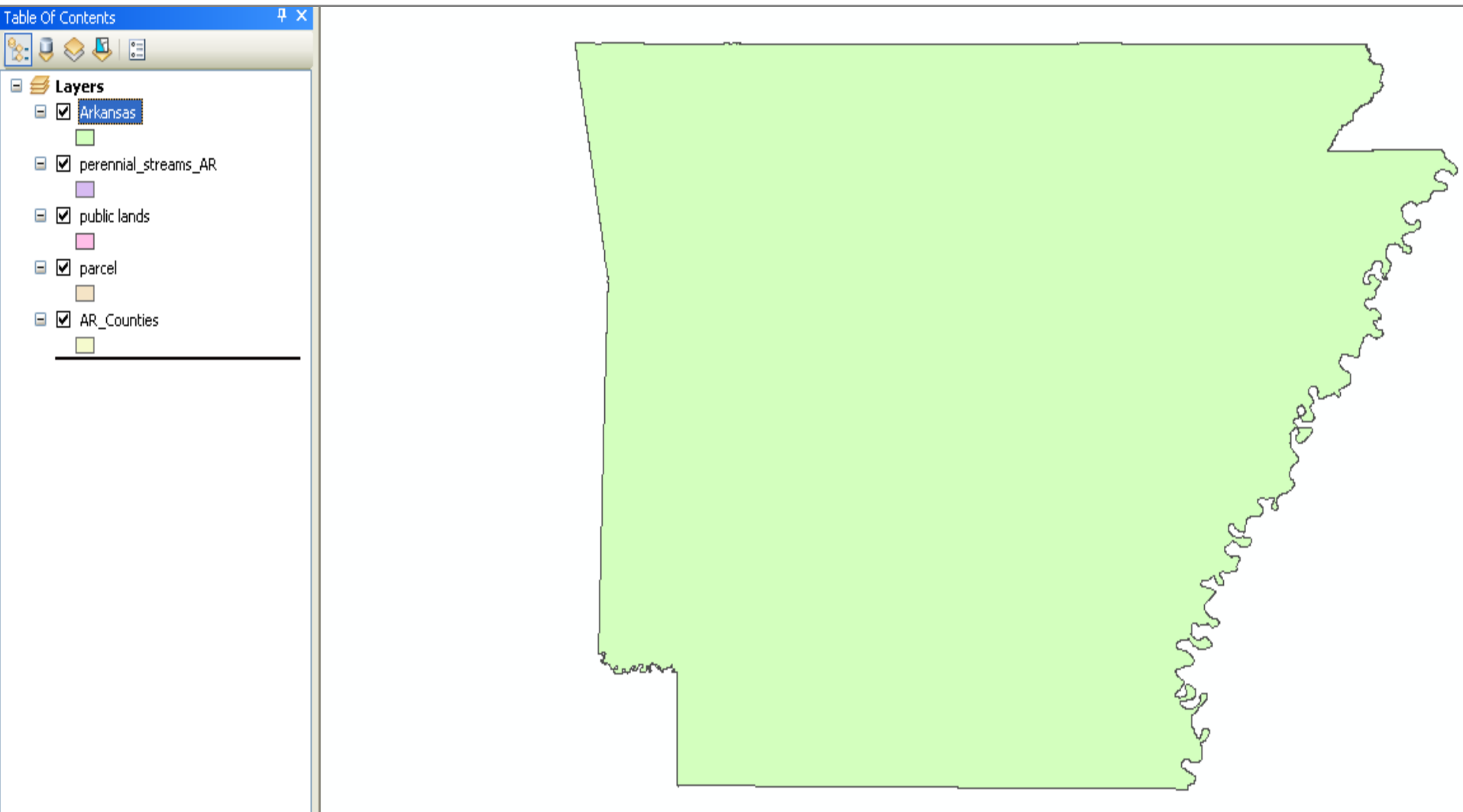
Arkansas Only Remaining State



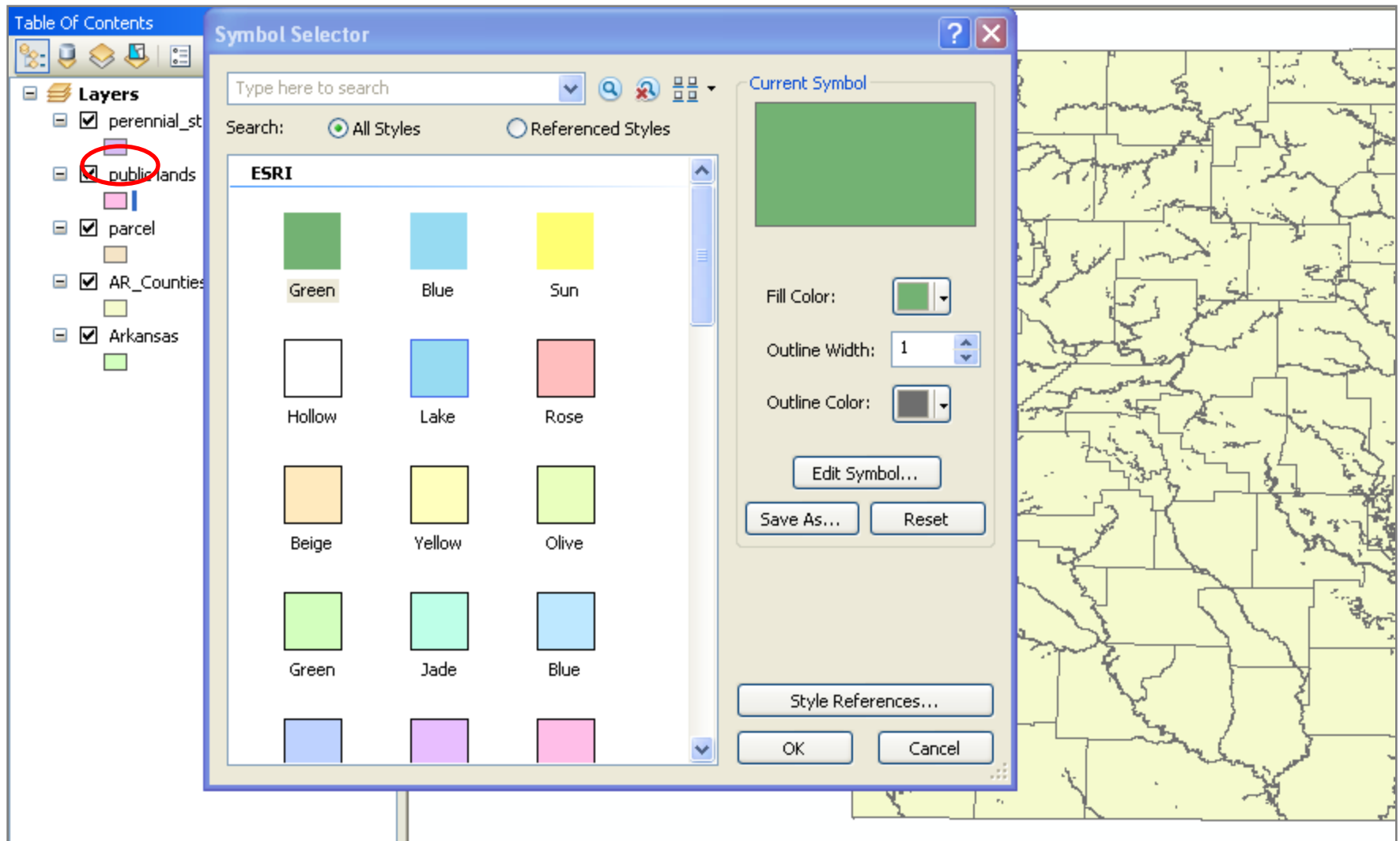
Changing the Display of Layers

- Change symbology/colors
- Turn individual layers on or off
- Change the display order
 - Layers on map display according to their order in the table of contents
 - Top layers may hide features in layers under them
 - Click & drag a layer in the table of contents to change its display order on the map

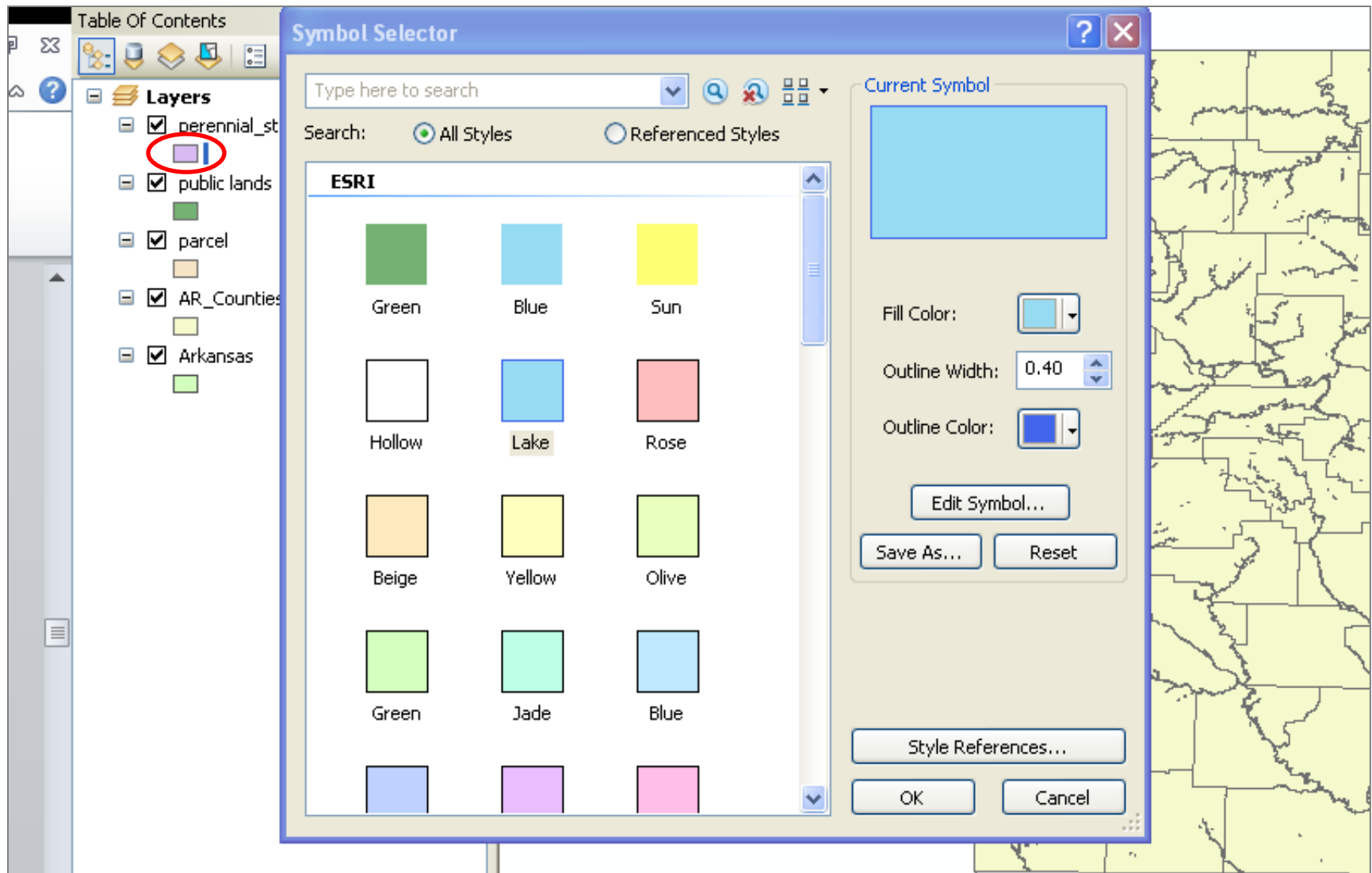
Change the Display Order



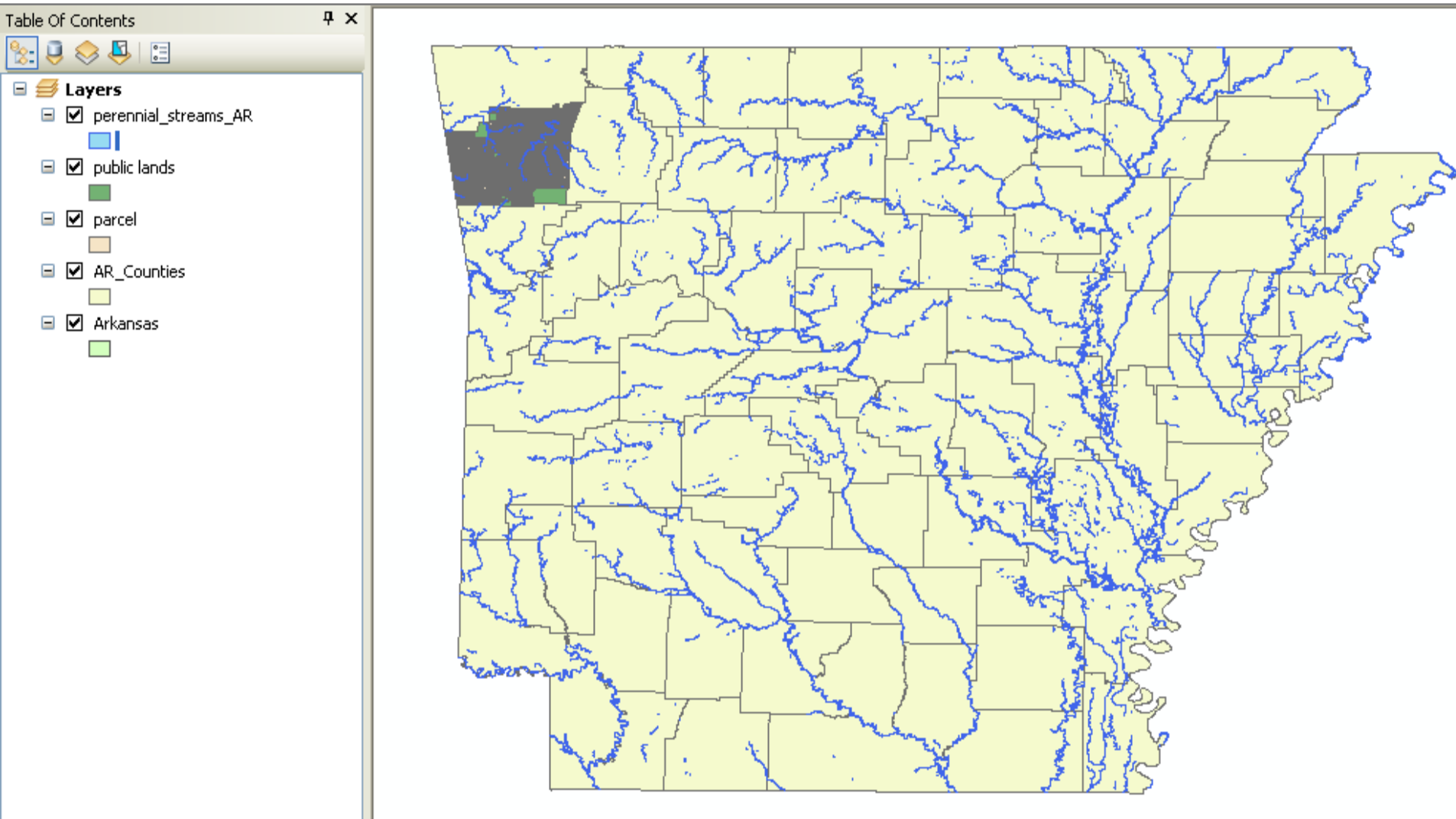
Change Symbolology of Layers



Change Color of Streams

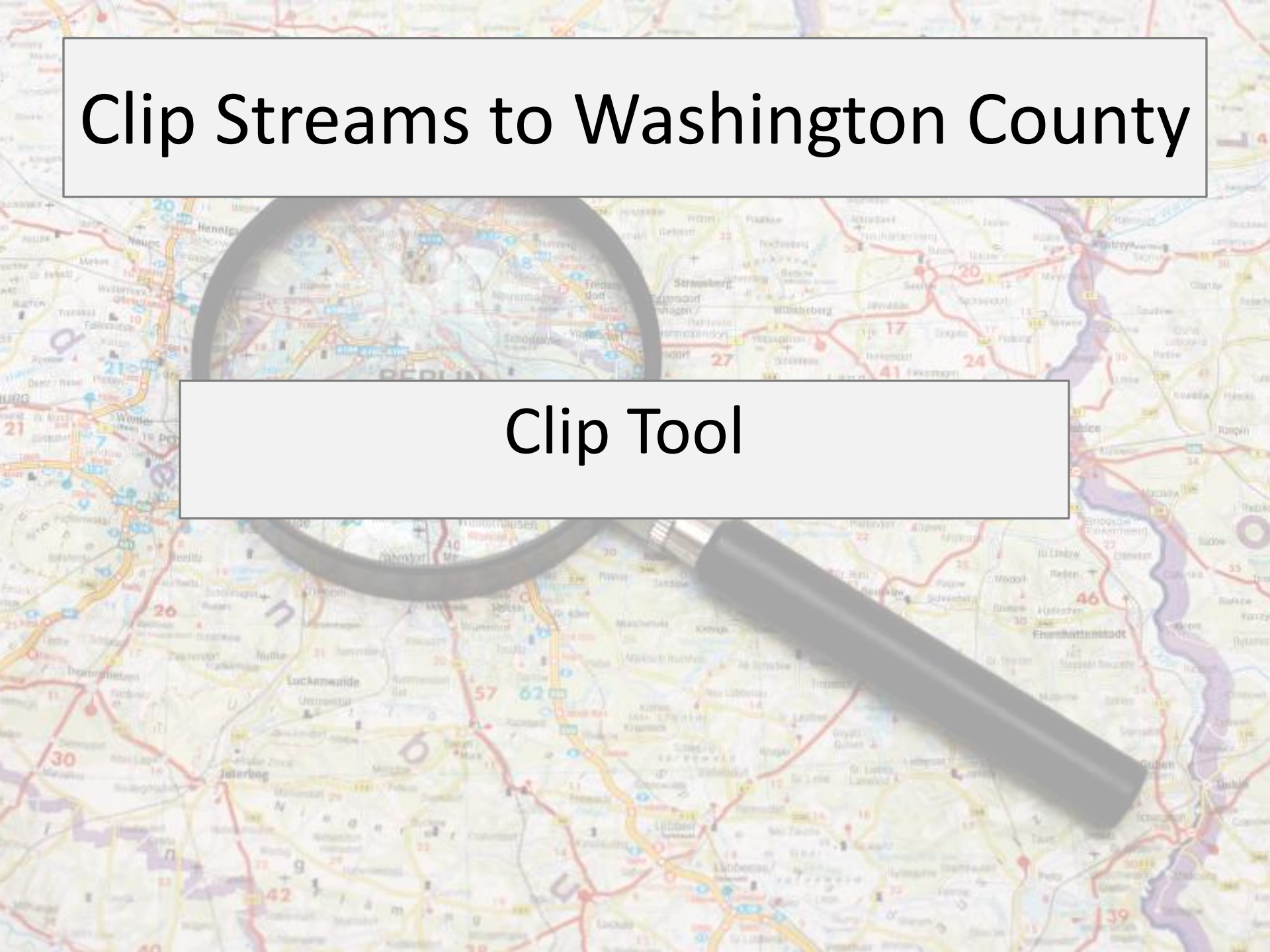


New Symbolologies Displayed

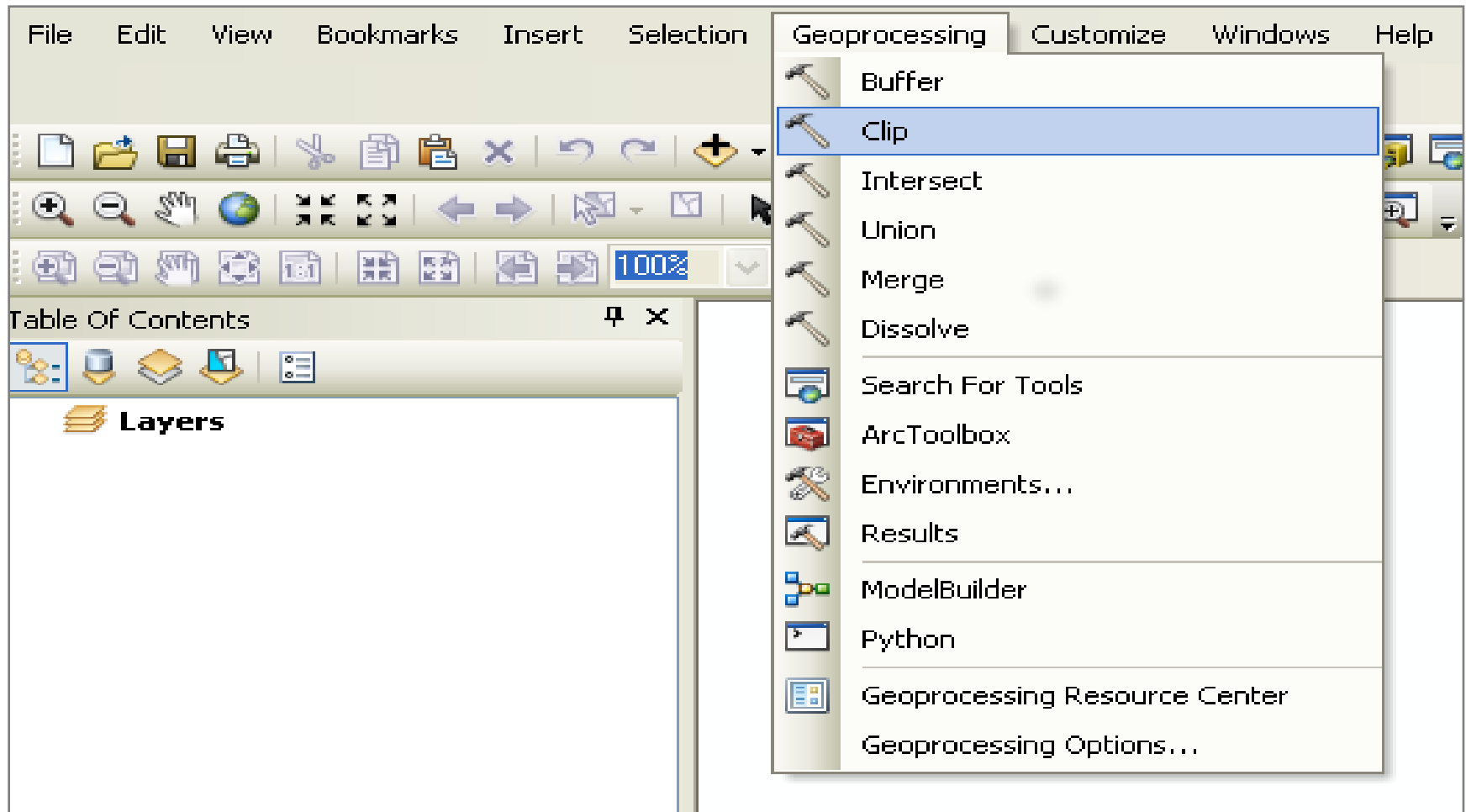


Clip Streams to Washington County

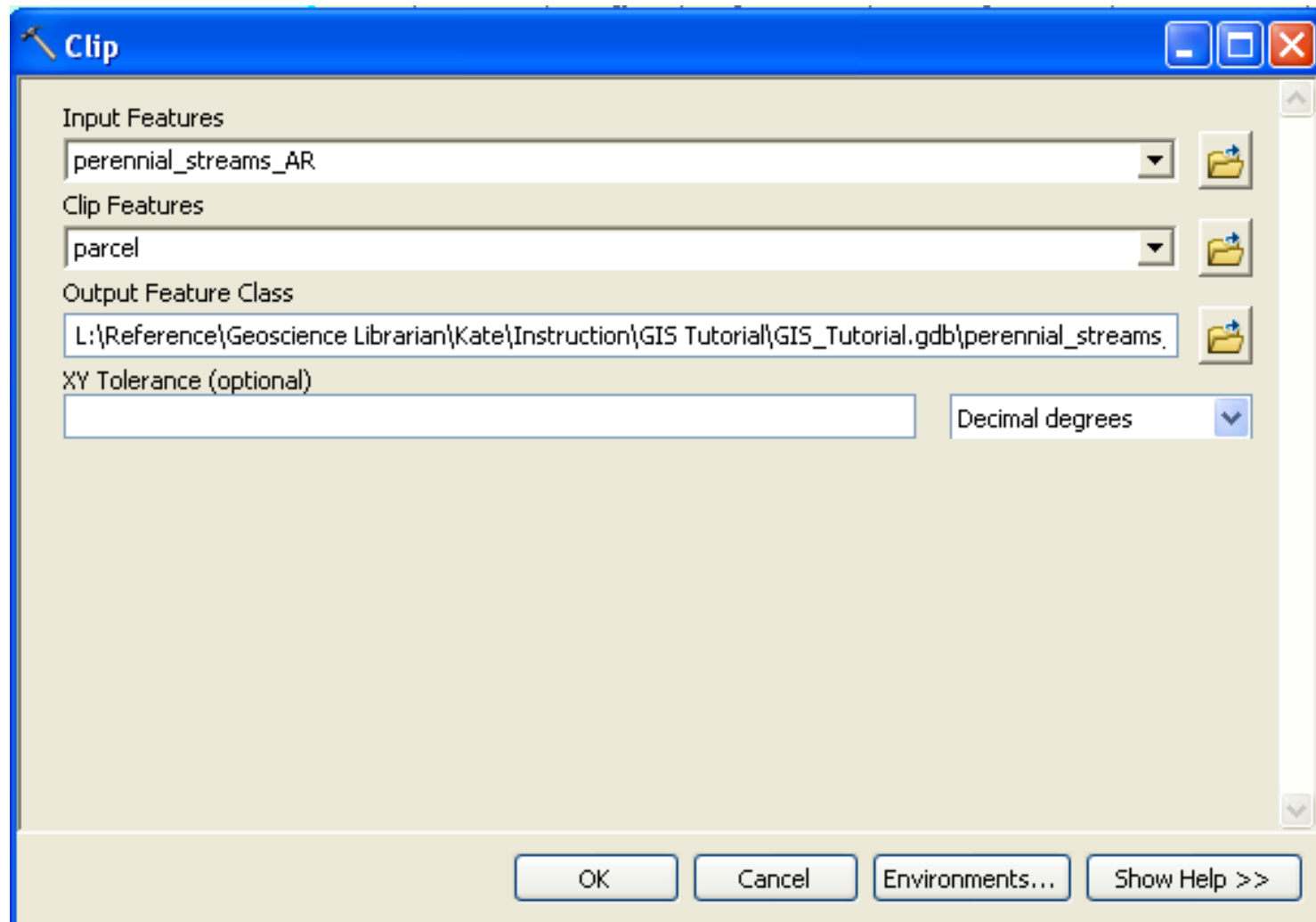
Clip Tool



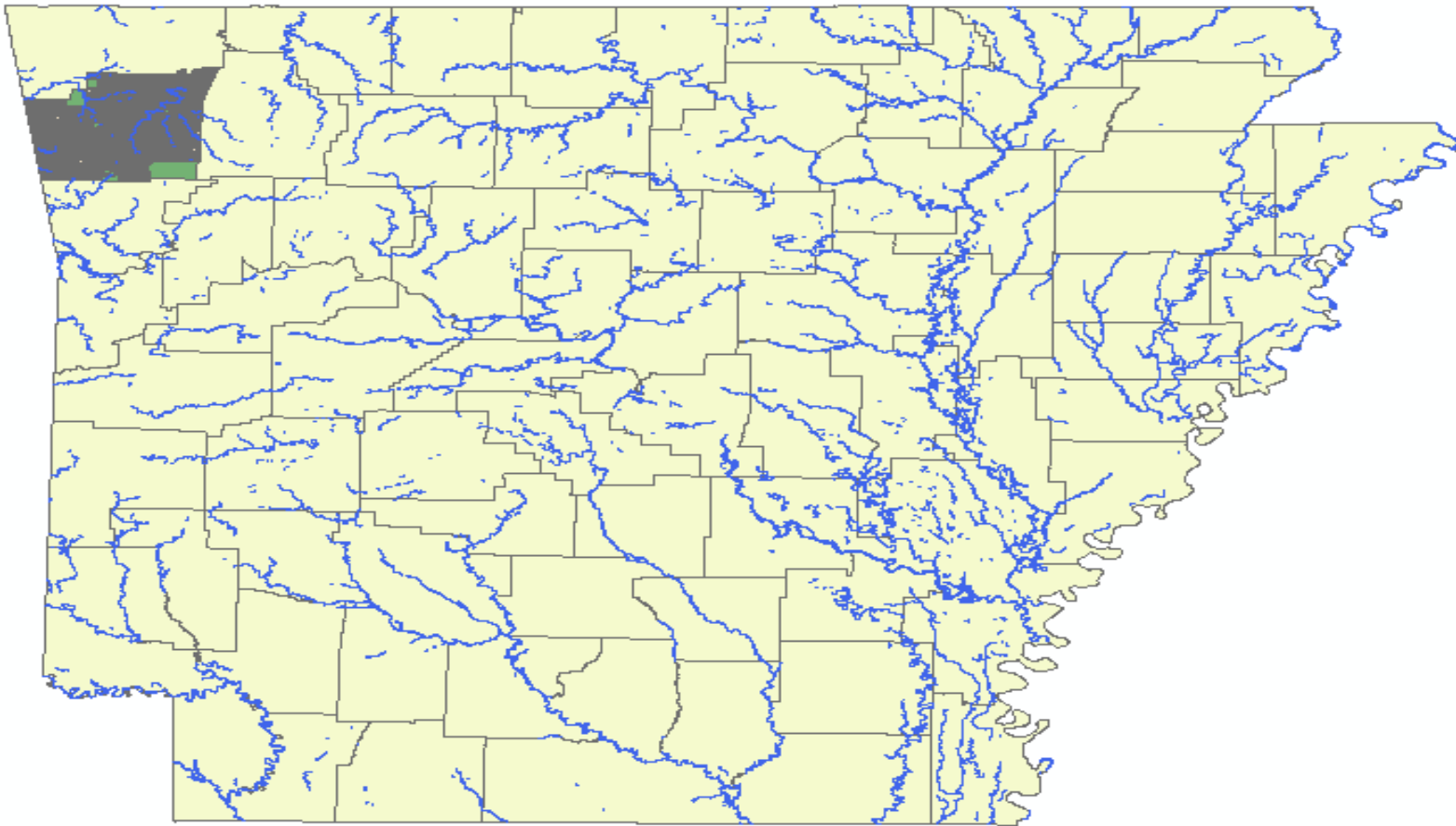
Access Clip in Geoprocessing Menu



Clip Tool Dialog Box

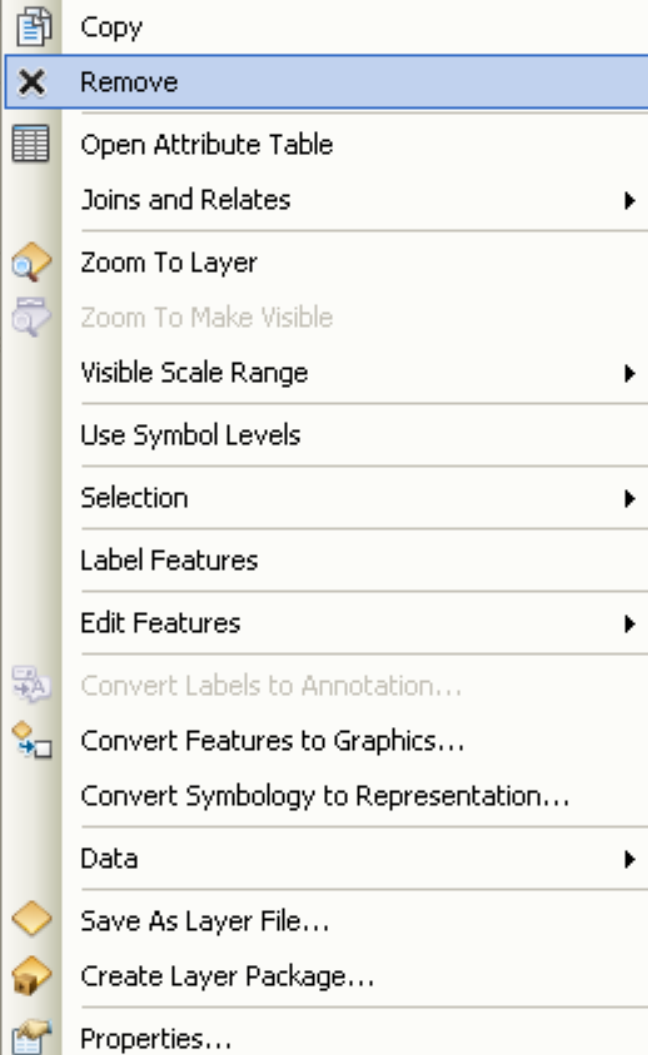


Clip Tool Progress Indicator

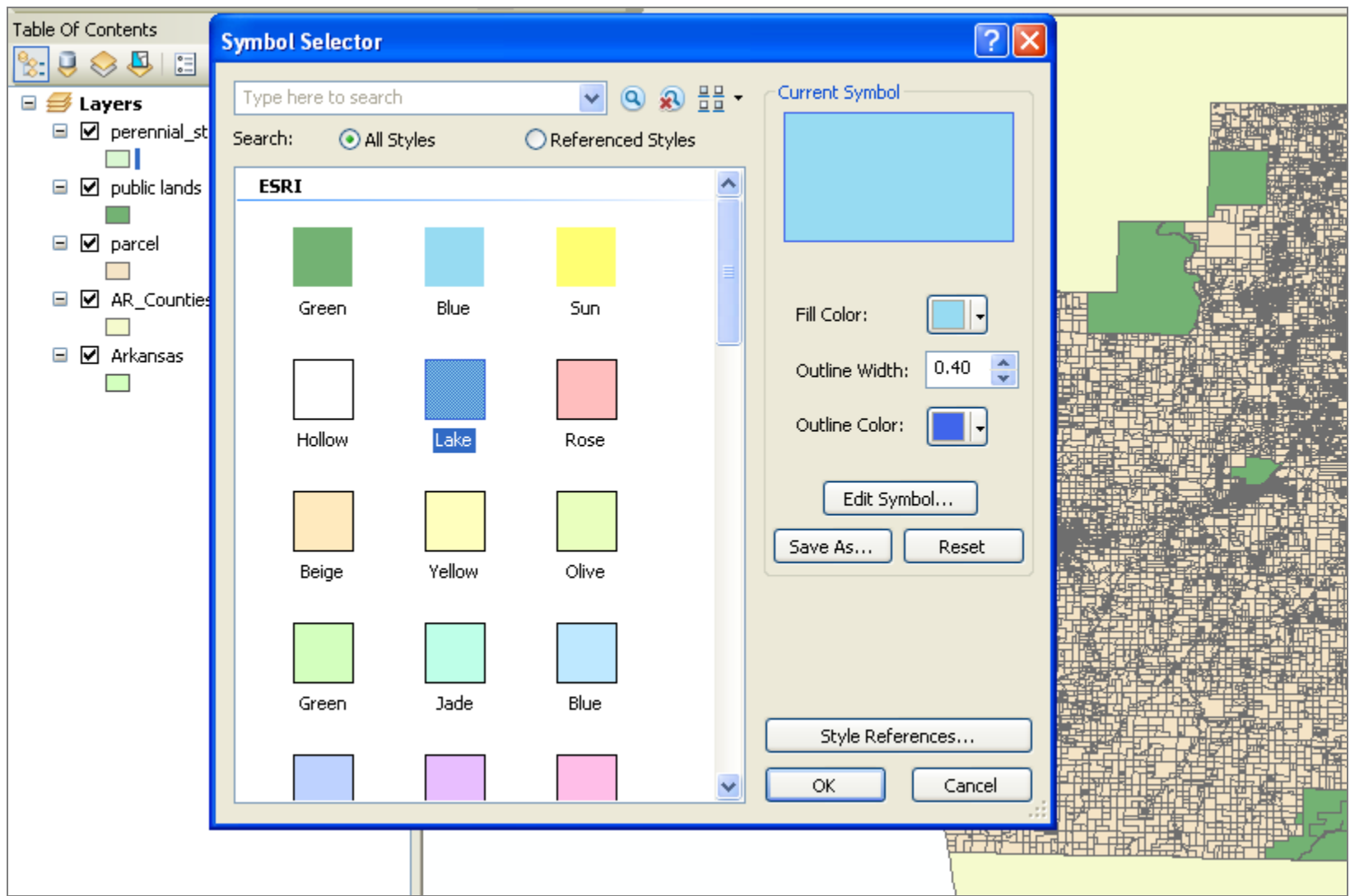


Clip Completed Indicator



**Layers**☒ perennial_streams_AR_Clip1☒ perennia☒ public lar☒ parcel☒ AR_Cour☒ Arkansas

Change Symbolology of New Clipped Hydro Layer



New Clipped File Looks Great!

Table Of Contents



Layers

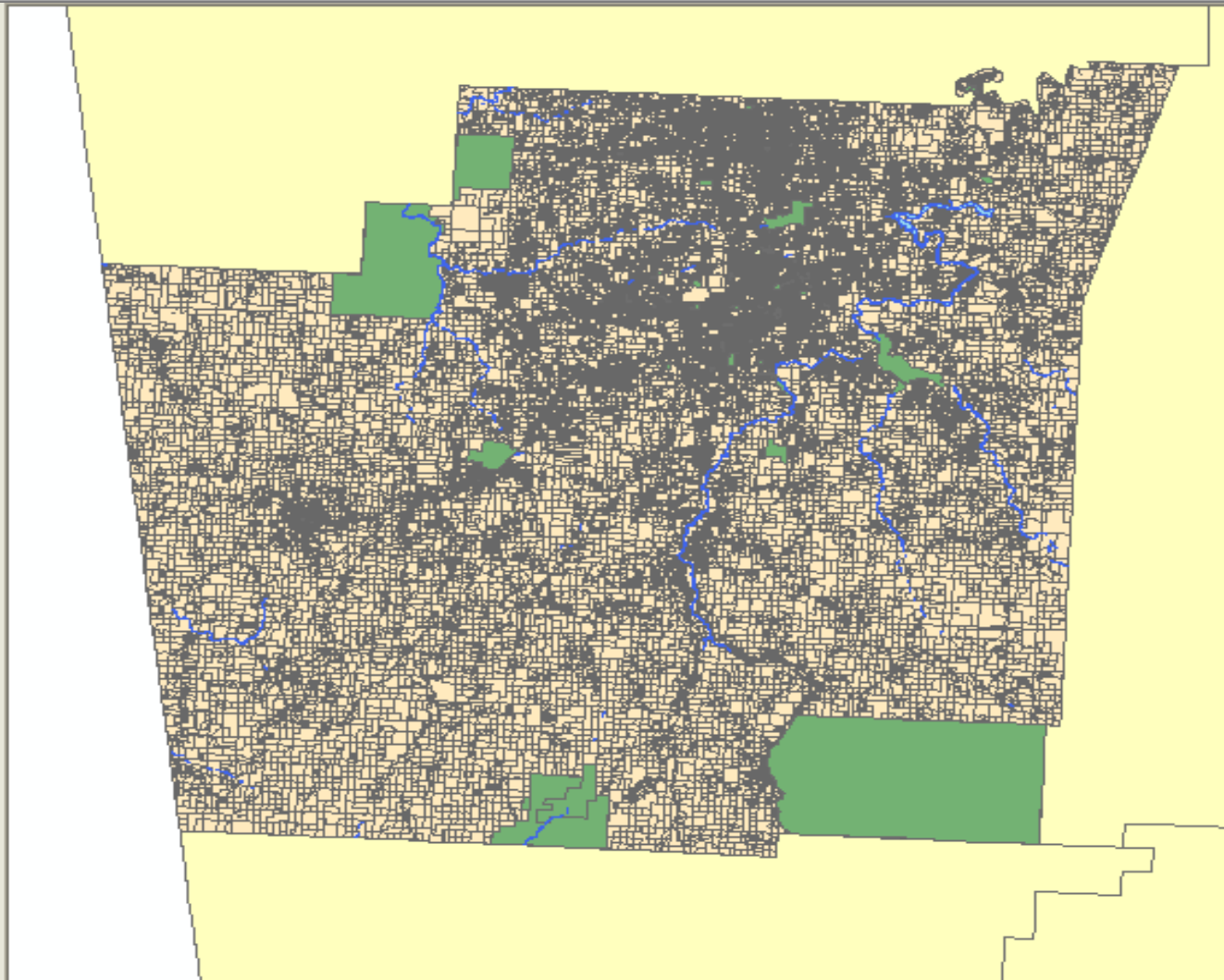
- ☒ perennial_streams_AR_Clip1

- ☒ public lands

- ☒ parcel

- ☒ AR_Counties

- ☒ Arkansas

Analysis

- We will find parcels that:
 - Contain perennial streams

And note their status in the parcel layer's attribute table.

Add New Columns to Attribute Table

The screenshot shows the ArcGIS Desktop interface. The 'Table' menu is open, and the 'Add Field...' option is highlighted with a red circle. The 'Layers' panel on the left shows several layers, including 'parcels', 'hydro_AR', 'public lands', 'soils_mapunits', 'AR_Counties', and 'Arkansas'. The 'Table' window displays a table with columns: OBJ, LEGAL_CHECK, TRAVERSE, METHOD, CALC_ACRES, SHAPE_Length, and SHAPE_.

	OBJ	LEGAL_CHECK	TRAVERSE	METHOD	CALC_ACRES	SHAPE_Length	SHAPE_
-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.220357	8608
-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.219318	8608
-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.220278	8608
-000	<Null>	<Null>	<Null>	<Null>	0.19762	375.21828	8608
-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.221317	8608
-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.219318	8608
-000	<Null>	<Null>	<Null>	<Null>	0.2316	394.489245	10088
-000	<Null>	<Null>	<Null>	<Null>	0.18999	366.718833	8276
-000	<Null>	<Null>	<Null>	<Null>	0.31928	502.644009	13908
-000	<Null>	<Null>	<Null>	<Null>	0.18999	366.720752	8276
-000	<Null>	<Null>	<Null>	<Null>	0.28124	430.878838	12250
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-000	<Null>	<Null>	<Null>	<Null>	0.2218	401.554941	9661
-000	<Null>	<Null>	<Null>	<Null>	0.22063	395.761294	9610
-000	<Null>	<Null>	<Null>	<Null>	0.22062	395.757375	9610
-000	<Null>	<Null>	<Null>	<Null>	0.22063	395.761451	9610

Table



parcel

	OBJECTID ^	SHAPE ^	PIIN	OBJ	LEGAL_CHECK	TRAVERSE	METHOD	CALC_ACRES	SHAPE_Length	SHAPE_Area
▶	1	Polygon	805-21407-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.220357	8608.819385
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	4	Polygon	805-21404-000	<Null>	<Null>	<Null>	<Null>	0.19762	375.21828	8608.708717
	5	Polygon	805-21403-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.221317	8608.871577
	6	Polygon	805-21402-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.219318	8608.764051
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	25	Polygon	805-21431-000	<Null>	<Null>	<Null>	<Null>	0.29109	442.0742	12679.926821
	26	Polygon	805-21430-000	<Null>	<Null>	<Null>	<Null>	0.22108	396.219805	9630.295688
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Add Field

Name:

Per_Stream

Type:

Short Integer

Field Properties

Alias

Allow NULL Values

Yes

Default Value

OK

Cancel

Table



parcel

	OBJECTID ^	SHAPE ^	PIIN	OBJ	LEGAL_CHECK	TRAVERSE	METHOD	CALC_ACRES	SHAPE_Length	SHAPE_Area
	1	Polygon	805-21407-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.220357	8608.819385
	2	Polygon	805-21406-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.219318	8608.764051
	3	Polygon	805-21405-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.220278	8608.816245
	4	Polygon	805-21404-000	<Null>	<Null>	<Null>	<Null>	0.19762	375.21828	8608.708717
	5	Polygon	805-21403-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.221317	8608.871577
	6	Polygon	805-21402-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.219318	8608.764051
	7	Polygon	805-21401-000	<Null>	<Null>	<Null>	<Null>			10088.792828
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	12	Polygon	805-21419-000	<Null>	<Null>	<Null>	<Null>			9610.580125
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	14	Polygon	805-21417-000	<Null>	<Null>	<Null>	<Null>			9610.571302
	15	Polygon	805-21416-000	<Null>	<Null>	<Null>	<Null>			9610.5257
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Add Field ? X

Name:

Type:

Field Properties

- Alias
- Allow Nulls
- Default Value

Short Integer
Long Integer
Float
Double
Text
Date
Blob
Raster
Guid

OK Cancel

Field Types

Whole Numbers

- **Short Integer**
(integers from -32,768 to 32,767)
- **Long Integer**
(integers from -2,147,483,648 to 2,147,483,647)

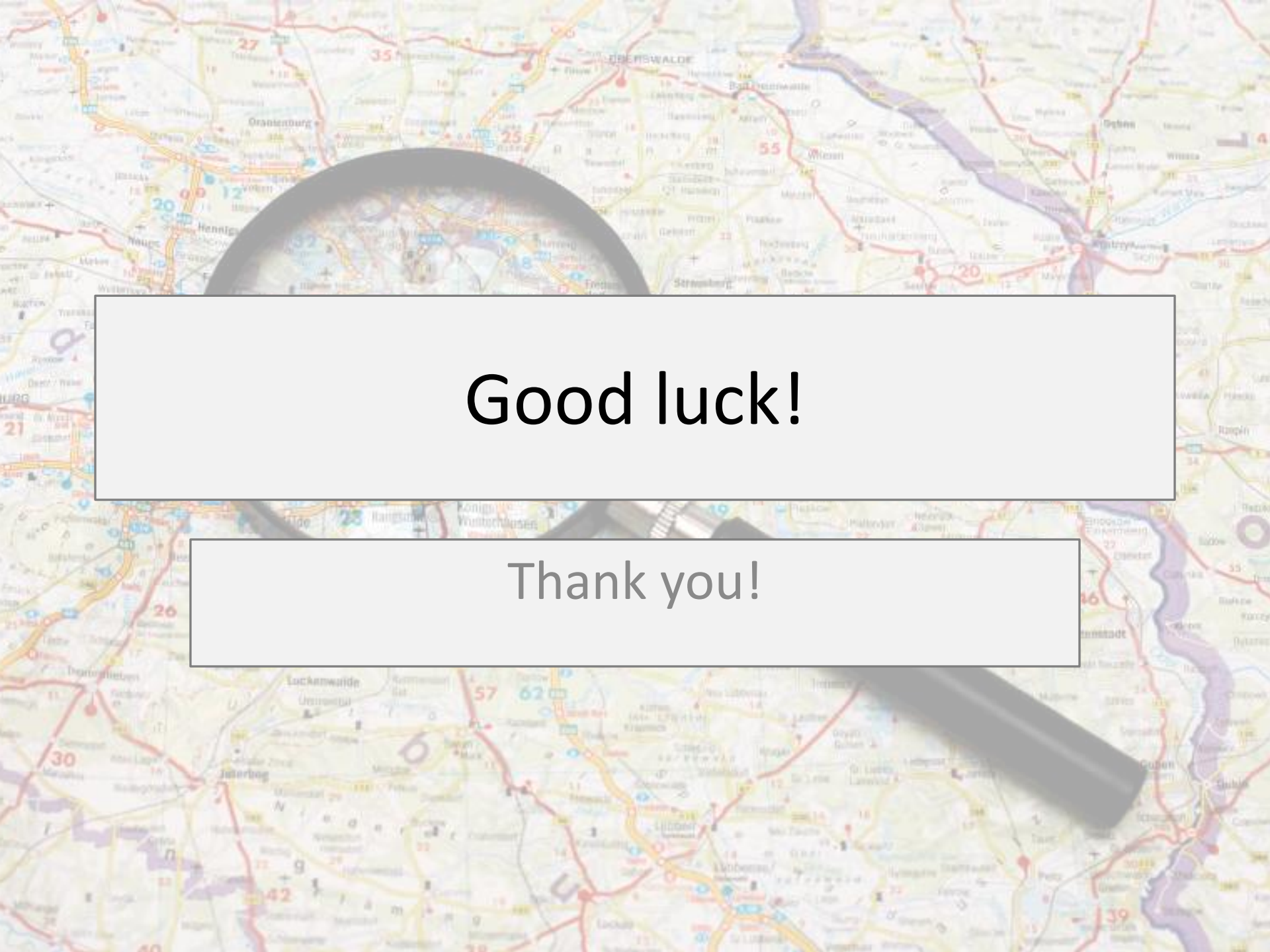
Decimals

- **Double**
(up to 6 decimal places)
- **Float**
(unlimited # of decimal places)

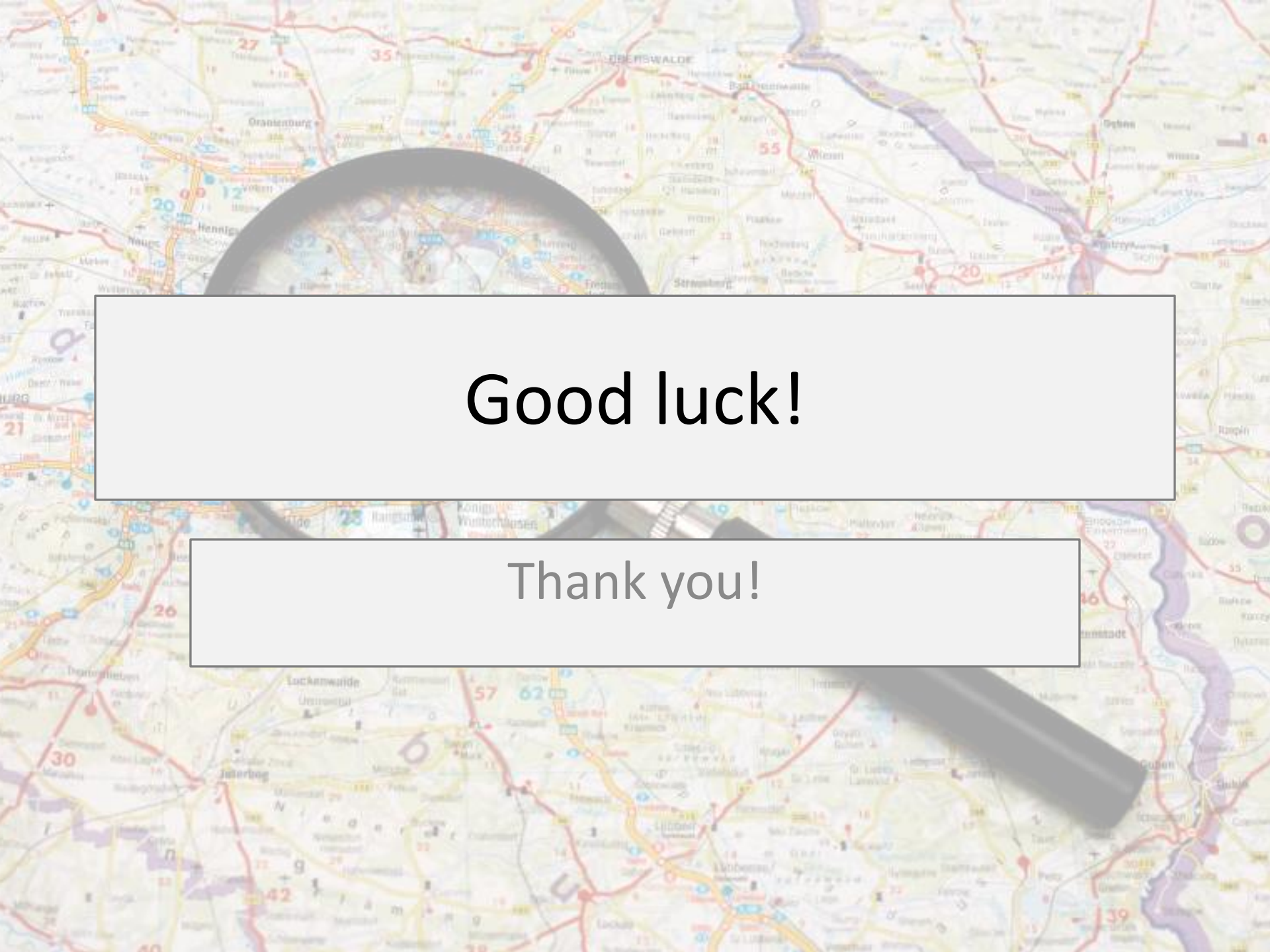


parcel

	OBJECTID ^	SHAPE ^	PIH	OBJ	LEGAL_CHECK	TRAVERSE	METHOD	CALC_ACRES	SHAPE_Length	SHAPE_Area	Per_Stream
	1	Polygon	805-21407-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.220357	8608.819385	0
	2	Polygon	805-21406-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.219318	8608.764051	0
	3	Polygon	805-21405-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.220278	8608.816245	0
	4	Polygon	805-21404-000	<Null>	<Null>	<Null>	<Null>	0.19762	375.21828	8608.708717	0
	5	Polygon	805-21403-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.221317	8608.871577	0
	6	Polygon	805-21402-000	<Null>	<Null>	<Null>	<Null>	0.19763	375.219318	8608.764051	0
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	8	Polygon	805-21379-000	<Null>	<Null>	<Null>	<Null>	0.18999	366.718833	8276.124765	0
	9	Polygon	805-21365-000	<Null>	<Null>	<Null>	<Null>	0.31928	502.644009	13908.140688	0
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Good luck!



Thank you!