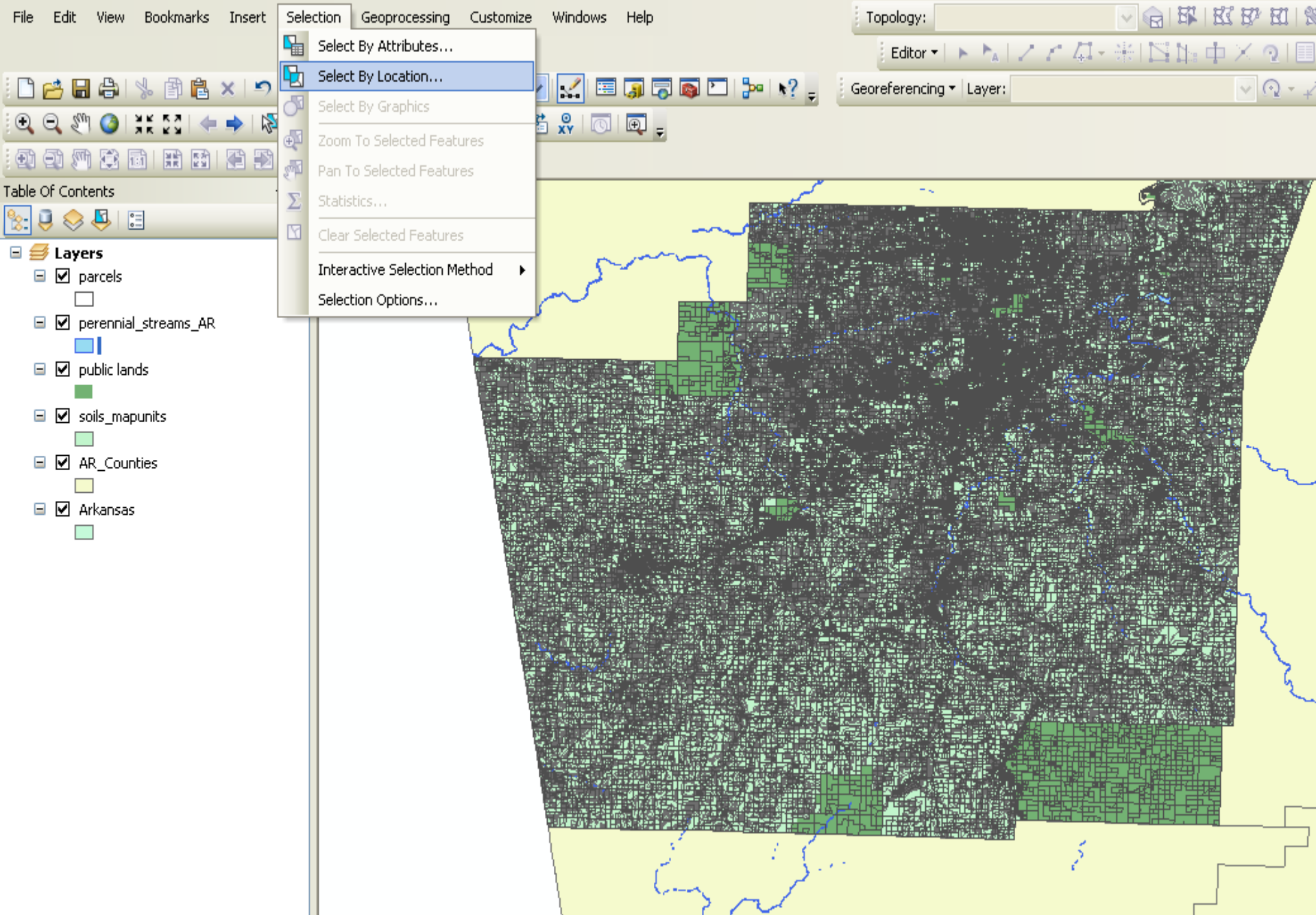




Select Parcels with a Perennial Stream

جامعة المستقبل / كلية العلوم
قسم الانظمة الطبية الذكية
المرحلة الثالثة



Select By Location [?] [X]

Select features from one or more target layers based on their location in relation to the features in the source layer.

Selection method:
select features from [v]

Target layer(s):

- ☒ parcels
- ☐ public lands
- ☐ perennial_streams_AR
- ☐ soils_mapunits
- ☐ AR_Counties
- ☐ Arkansas

☐ Only show selectable layers in this list

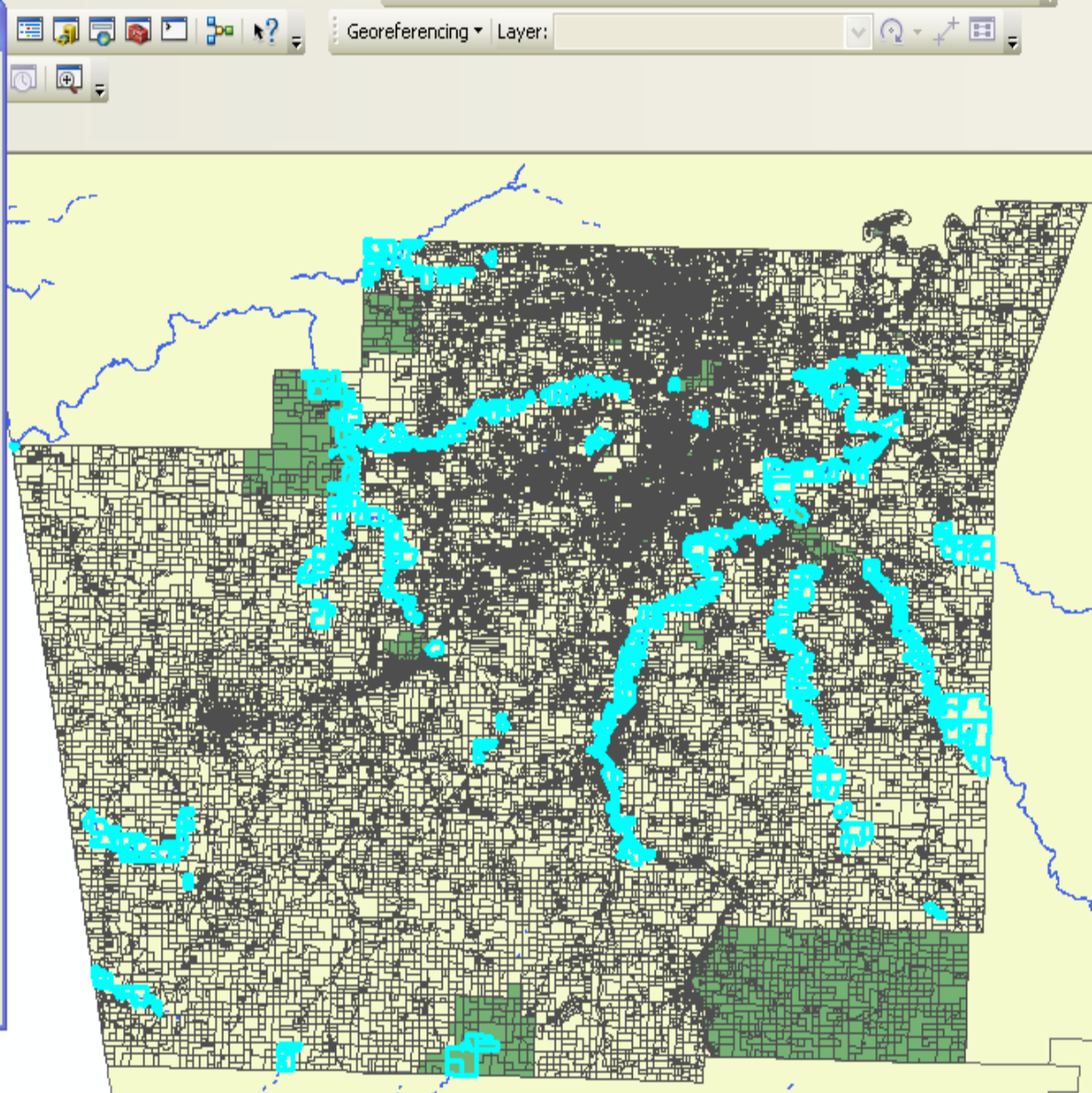
Source layer:
[?] perennial_streams_AR [v]

☐ Use selected features (0 features selected)

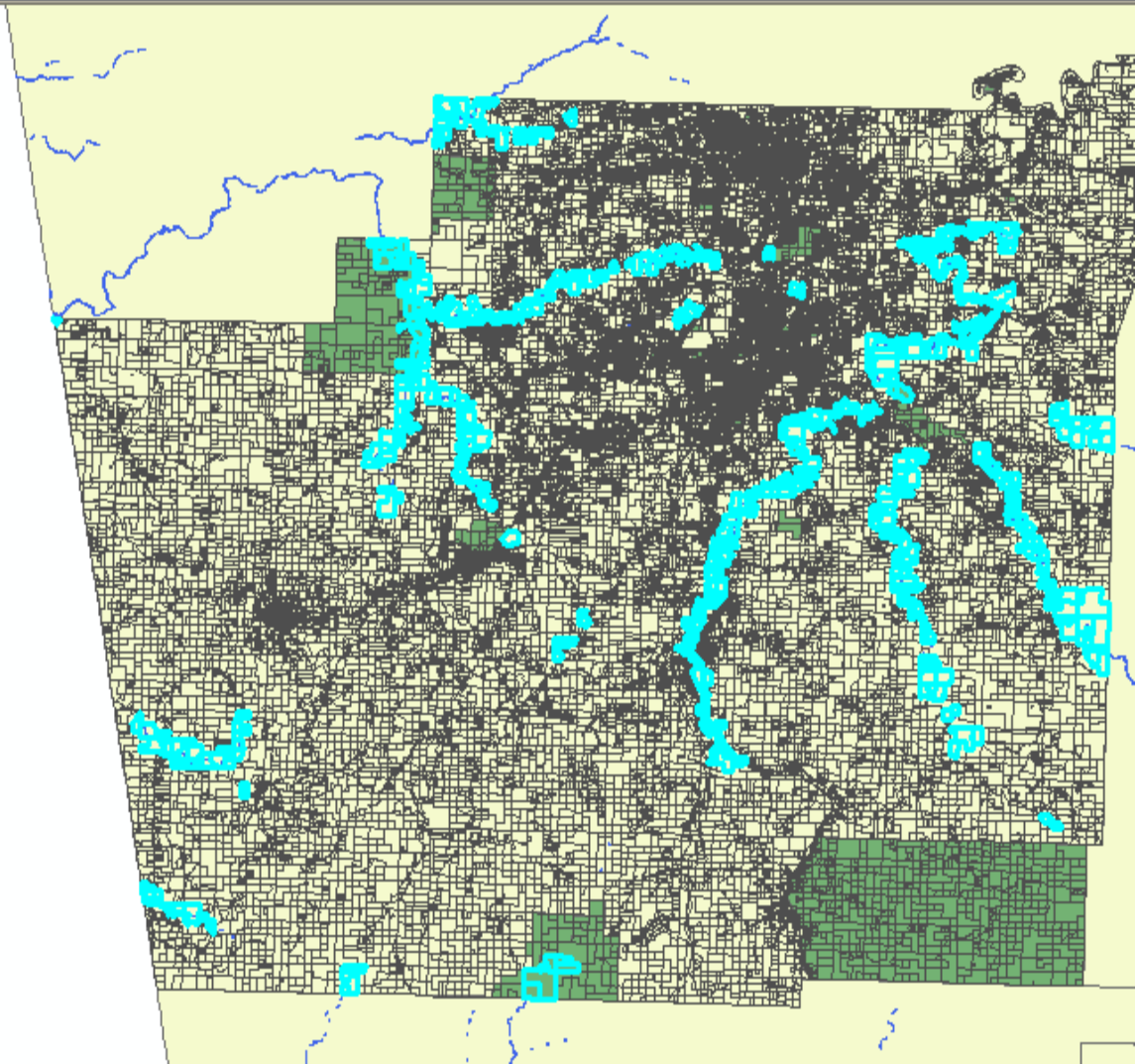
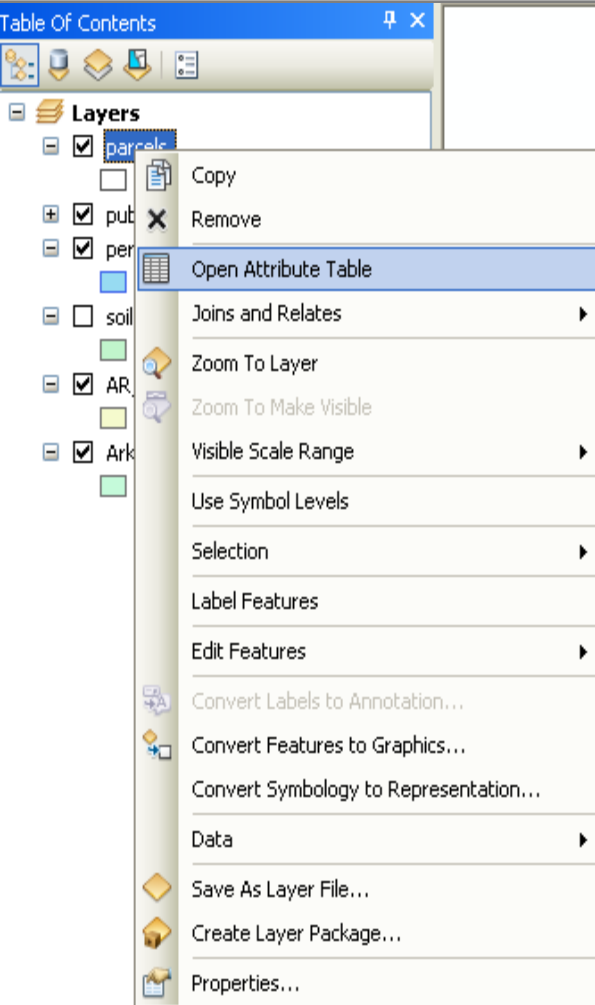
Spatial selection method:
Target layer(s) features are crossed by the outline of the Source layer fea [v]

☐ Apply a search distance
1.000000 Feet [v]

[Help] [OK] [Apply] [Close]

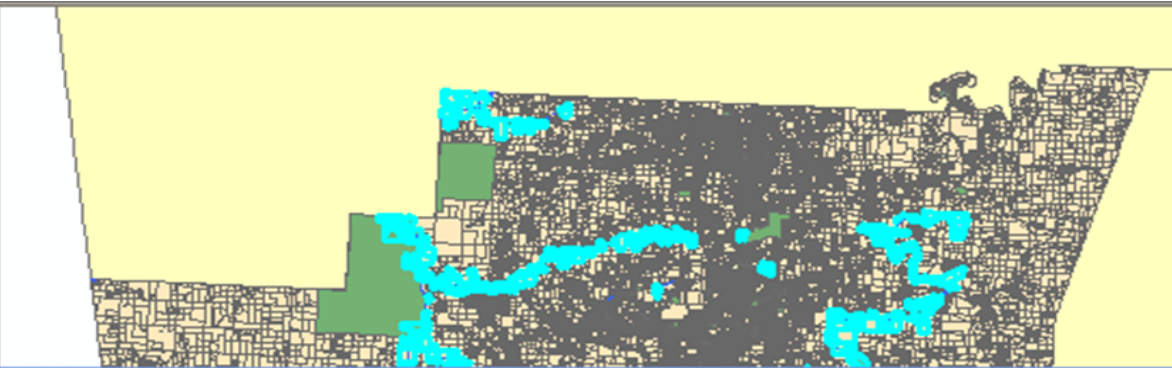


View Selected in Attribute Table



View Selected Records Only

ip1



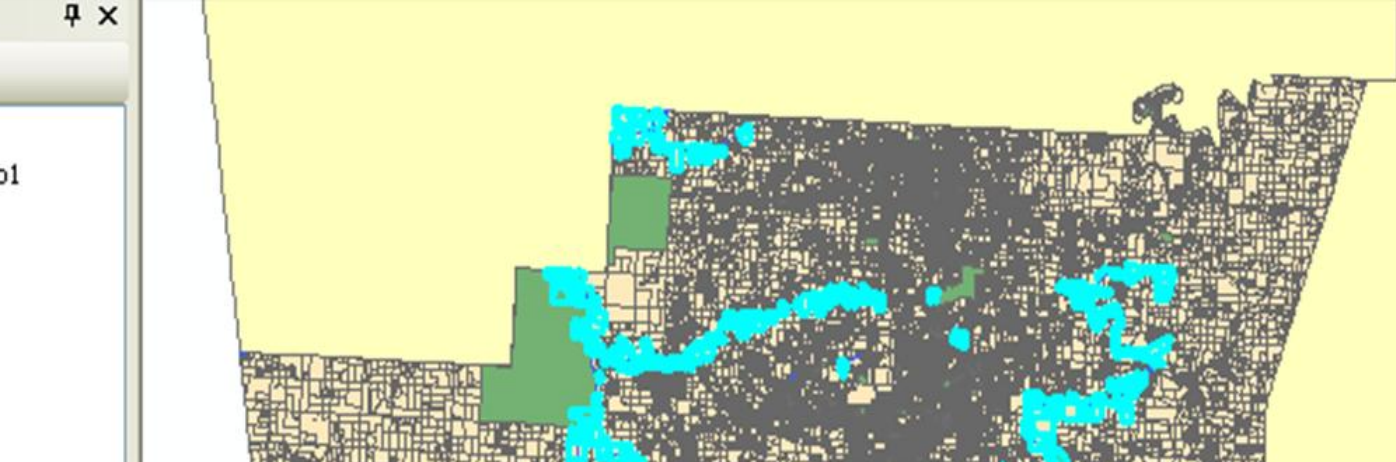
Table

parcel

	OBJECTID ^	SHAPE ^	PIH	OBJ	LEGAL_CHECK	TRAVERSE	METHOD	CALC_ACRES	SHAPE_Length	SHAPE_Area	Per_Stream
▶	50975	Polygon	815-28388-001	<Null>	<Null>	<Null>	<Null>	0.22532	397.236528	9815.242965	0
	50943	Polygon	765-10833-000	<Null>	<Null>	<Null>	<Null>	1.98664	1534.841918	86538.424563	0
	50966	Polygon	815-28383-000	<Null>	<Null>	<Null>	<Null>	0.28981	526.984353	12624.389389	0
	50967	Polygon	815-28385-000	<Null>	<Null>	<Null>	<Null>	0.28671	526.276807	12489.130347	0
	50968	Polygon	815-28389-000	<Null>	<Null>	<Null>	<Null>	0.13937	463.004248	6071.089533	0
	50969	Polygon	815-28390-000	<Null>	<Null>	<Null>	<Null>	0.22879	502.130163	9966.159585	0
	50970	Polygon	815-28387-000	<Null>	<Null>	<Null>	<Null>	0.47225	625.642025	20571.262836	0
	50971	Polygon	815-28365-000	<Null>	<Null>	<Null>	<Null>	0.49443	604.906983	21537.736657	0
	50972	Polygon	815-28366-000	<Null>	<Null>	<Null>	<Null>	0.32115	473.226488	13989.297745	0
	50964	Polygon	815-28374-000	<Null>	<Null>	<Null>	<Null>	0.20823	432.693518	9070.748027	0
	50974	Polygon	815-28388-000	<Null>	<Null>	<Null>	<Null>	0.24625	415.841192	10727.073318	0
	50963	Polygon	815-28371-000	<Null>	<Null>	<Null>	<Null>	0.40439	578.0062	17615.397795	0
	50976	Polygon	815-28391-000	<Null>	<Null>	<Null>	<Null>	0.74086	723.70918	32272.087815	0
	50977	Polygon	815-32486-000	<Null>	<Null>	<Null>	<Null>	0.22213	438.23769	9676.368205	0

1 (776 out of *2000 Selected)

parcel



Table



parcel

	OBJECTID *	SHAPE *	PIH	OBJ	LEGAL_	TRAVERSE	METHOD	CALC_ACRES	SHAPE_Length	SHAPE_Area	Per_Stream
▶	42961	Polygon	181-10002-000	<Null>	<Null>	<Null>	<Null>	17.08317	5154.993986	744143.01026	0
	50149	Polygon	835-38522-000	<Null>	<Null>	<Null>	<Null>	0.79159	1224.649977	34481.848131	0
	45134	Polygon	001-12982-001	<Null>	<Null>	<Null>	<Null>	80.26928	7912.442536	3496530.051702	0
	44672	Polygon	001-06801-000	<Null>	<Null>	<Null>	<Null>	79.94425	7921.478226	3482371.787254	0
	43877	Polygon	770-17753-000	<Null>	<Null>	<Null>	<Null>	3.58943	2170.373378	156356.00142	0
	43450	Polygon	001-10892-003	<Null>	<Null>	<Null>	<Null>	33.3446	5117.93714	1452490.826187	0
	47119	Polygon	001-08295-000	<Null>	<Null>	<Null>	<Null>	54.22461	7382.265773	2362024.349834	0
	45335	Polygon	001-10892-000	<Null>	<Null>	<Null>	<Null>	5.85335	2412.789946	254972.02861	0
	45334	Polygon	001-10892-001	<Null>	<Null>	<Null>	<Null>	2.64289	1412.537959	115124.349705	0
	42979	Polygon	001-05387-000	<Null>	<Null>	<Null>	<Null>	5.58054	2339.473875	243088.356964	0
	45214	Polygon	001-17489-001	<Null>	<Null>	<Null>	<Null>	31.29472	4783.95358	1363198.023895	0
	42962	Polygon	181-10001-000	<Null>	<Null>	<Null>	<Null>	27.04631	6254.848356	1178137.278928	0
	45379	Polygon	835-38488-110	<Null>	<Null>	<Null>	<Null>	9.66391	2727.687472	420960.214271	0
	42649	Polygon	001-12910-002	<Null>	<Null>	<Null>	<Null>	19.73747	4176.843124	859764.611435	0

1 (776 out of *2000 Selected)

parcel

Table



parcels

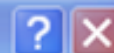
	OBJECTID *	SHAPE *	PIIN	OBJ	LEGAL_CHECK	TRAVERSE	METHOD	CALC_ACRES	SHAPE_Length	SHAPE_Area	Per	
	738	Polygon	001-11356-000	<Null>	<Null>	<Null>	<Null>	39.35292	5208.09017	1714213.501152	<Null>	
	894	Polygon	001-17489-000	<Null>	<Null>	<Null>	<Null>	13.22256	3403.118108	575975.105452	<Null>	
	895	Polygon	001-17498-000	<Null>	<Null>	<Null>	<Null>	5.55122	2114.592022	241811.518127	<Null>	
	1192	Polygon	195-10001-000	<Null>	<Null>	<Null>	<Null>	14.66991	3262.017705	639021.503672	<Null>	
	1288	Polygon	770-18032-000	<Null>	<Null>	<Null>	<Null>	0.96826	943.413093	42177.732037	<Null>	
	1415	Polygon	001-10264-001	<Null>	<Null>	<Null>	<Null>	68.51263	7651.201025	2984410.372403	<Null>	
	2059	Polygon	001-14972-000	<Null>	<Null>	<Null>	<Null>	18.92362	7158.540249	824313.270156	<Null>	
	2186	Polygon	001-06078-000	<Null>	<Null>	<Null>	<Null>	24.55916	6532.374839	1069797.192509	<Null>	
	2188	Polygon	001-06654-000	<Null>	<Null>	<Null>	<Null>	17.8445	6875.679285	777306.706293	<Null>	
	2189	Polygon	001-06655-000	<Null>	<Null>	<Null>	<Null>	19.04383	5905.073033	829549.52046	<Null>	
	2283	Polygon	001-11376-000	<Null>	<Null>	<Null>	<Null>	24.49552	5486.621257	1067024.921658	<Null>	
	2284	Polygon	001-11371-000	<Null>	<Null>	<Null>	<Null>	16.64004	3738.884838	724840.309006	<Null>	
	2295	Polygon	835-38385-130	<Null>	<Null>	<Null>	<Null>	82.66014	8005.200393	3600675.931597	<Null>	
	2300	Polygon	785-18024-000	<Null>	<Null>	<Null>	<Null>	6.87253	2384.006789	299367.756218	<Null>	
	2684	Polygon	001-12763-001	<Null>	<Null>	<Null>	<Null>	25.96091	4361.752063	1130857.47538	<Null>	
	2685	Polygon	001-12761-001	<Null>	<Null>	<Null>	<Null>	39.22262	5517.125122	1708537.6465	<Null>	
	2686	Polygon	001-12763-002	<Null>	<Null>	<Null>	<Null>	12.99585	2939.810557	566099.307442	<Null>	<Null>
	2687	Polygon	001-12761-000	<Null>	<Null>	<Null>	<Null>	40.17528	6984.503084	1750035.377187	<Null>	<Null>
	2688	Polygon	001-12763-000	<Null>	<Null>	<Null>	<Null>	26.54000	5070.850500	4220050.042400	<Null>	<Null>

- Sort Ascending
- Sort Descending
- Advanced Sorting...
- Summarize...
- Statistics...
- Field Calculator...
- Calculate Geometry...
- Turn Field Off
- Freeze/Unfreeze Column
- Delete Field
- Properties...

0 (839 out of *2000 Selected)

parcels

Field Calculator



Parser

☒ VB Script

☐ Python

Fields:

SHAPE
PIN
OBJ
LEGAL_CHECK
TRAVERSE
METHOD
CALC_ACRES
SHAPE_Length
SHAPE_Area
Good_Soil
Per_Stream

Type:

☒ Number

☐ String

☐ Date

Functions:

Abs ()
Atn ()
Cos ()
Exp ()
Fix ()
Int ()
Log ()
Sin ()
Sqr ()
Tan ()

☐ Show Codeblock

* / & + - =

Per_Stream =

1

Clear

Load...

Save...

Help

OK

Cancel

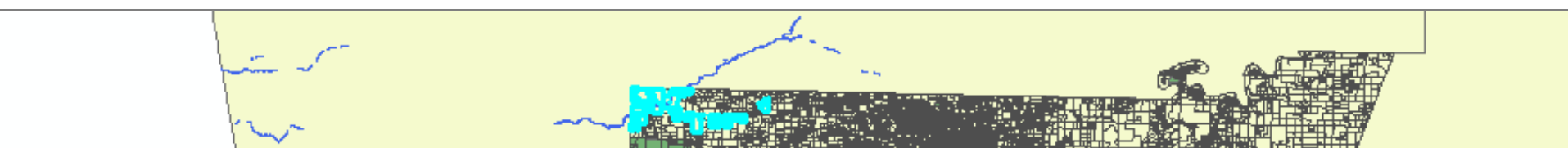


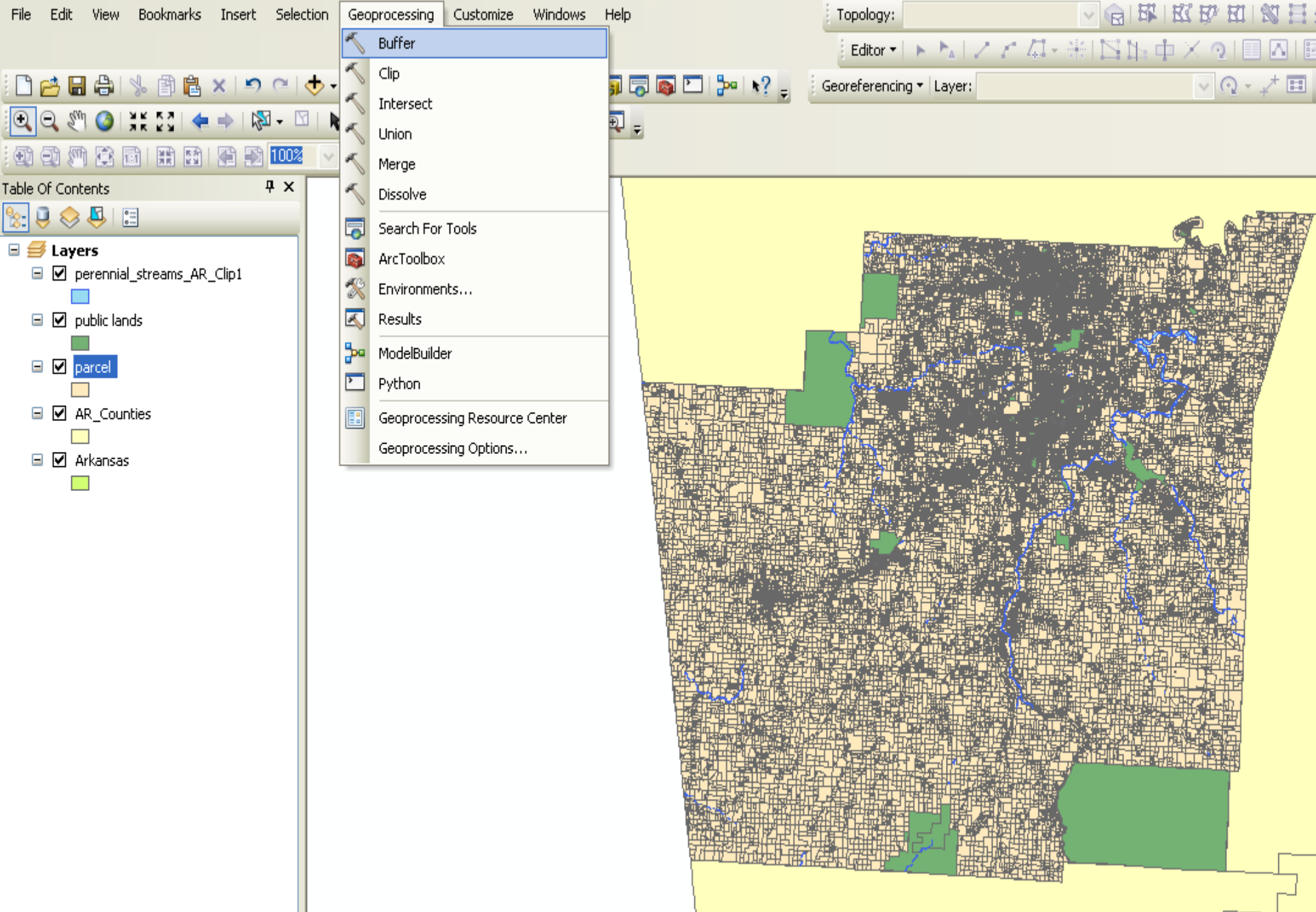
Table											
parcels											
	OBJECTID ^	SHAPE ^	PIH	OBJ	LEGAL_CHECK	TRAVERSE	METHOD	CALC_ACRES	SHAPE_Length	SHAPE_Area	Per_Stream
	738	Polygon	001-11356-000	<Null>	<Null>	<Null>	<Null>	39.35292	5208.09017	1714213.501152	1
	894	Polygon	001-17489-000	<Null>	<Null>	<Null>	<Null>	13.22256	3403.118108	575975.105452	1
	895	Polygon	001-17498-000	<Null>	<Null>	<Null>	<Null>	5.55122	2114.592022	241811.518127	1
	1192	Polygon	195-10001-000	<Null>	<Null>	<Null>	<Null>	14.66991	3262.017705	639021.503672	1
	1288	Polygon	770-18032-000	<Null>	<Null>	<Null>	<Null>	0.96826	943.413093	42177.732037	1
	1415	Polygon	001-10264-001	<Null>	<Null>	<Null>	<Null>	68.51263	7651.201025	2984410.372403	1
	2059	Polygon	001-14972-000	<Null>	<Null>	<Null>	<Null>	18.92362	7158.540249	824313.270156	1
	2186	Polygon	001-06078-000	<Null>	<Null>	<Null>	<Null>	24.55916	6532.374839	1069797.192509	1
	2188	Polygon	001-06654-000	<Null>	<Null>	<Null>	<Null>	17.8445	6875.679285	777306.706293	1
	2189	Polygon	001-06655-000	<Null>	<Null>	<Null>	<Null>	19.04383	5905.073033	829549.52046	1
	2283	Polygon	001-11376-000	<Null>	<Null>	<Null>	<Null>	24.49552	5486.621257	1067024.921658	1
	2284	Polygon	001-11371-000	<Null>	<Null>	<Null>	<Null>	16.64004	3738.884838	724840.309006	1
	2295	Polygon	835-38385-130	<Null>	<Null>	<Null>	<Null>	82.66014	8005.200393	3600675.931597	1
	2300	Polygon	785-18024-000	<Null>	<Null>	<Null>	<Null>	6.87253	2384.006789	299367.756218	1
	2684	Polygon	001-12763-001	<Null>	<Null>	<Null>	<Null>	25.96091	4361.752063	1130857.47538	1
	2685	Polygon	001-12761-001	<Null>	<Null>	<Null>	<Null>	39.22262	5517.125122	1708537.6465	1
	2686	Polygon	001-12763-002	<Null>	<Null>	<Null>	<Null>	12.99585	2939.810557	566099.307442	1
	2687	Polygon	001-12761-002	<Null>	<Null>	<Null>	<Null>	12.99585	2939.810557	566099.307442	1

(839 out of *2000 Selected)

parcels

Task: Select Parcels in a “flood Zone” Within a Distance of Perennial Streams

- Use the buffer tool to draw a “buffer zone” around specified features



Buffer

Input Features

perennial_streams_AR_Clip1

Output Feature Class

L:\Reference\Geoscience Librarian\Kate\Instruction\GIS Tutorial\GIS_Tutorial.gdb\streams_buffer

Distance [value or field]

☐ Linear unit

1

Miles

☒ Field

Side Type (optional)

FULL

End Type (optional)

ROUND

Dissolve Type (optional)

NONE

Dissolve Field(s) (optional)

☐ OBJECTID

☐ Permanent_Identifier

OK

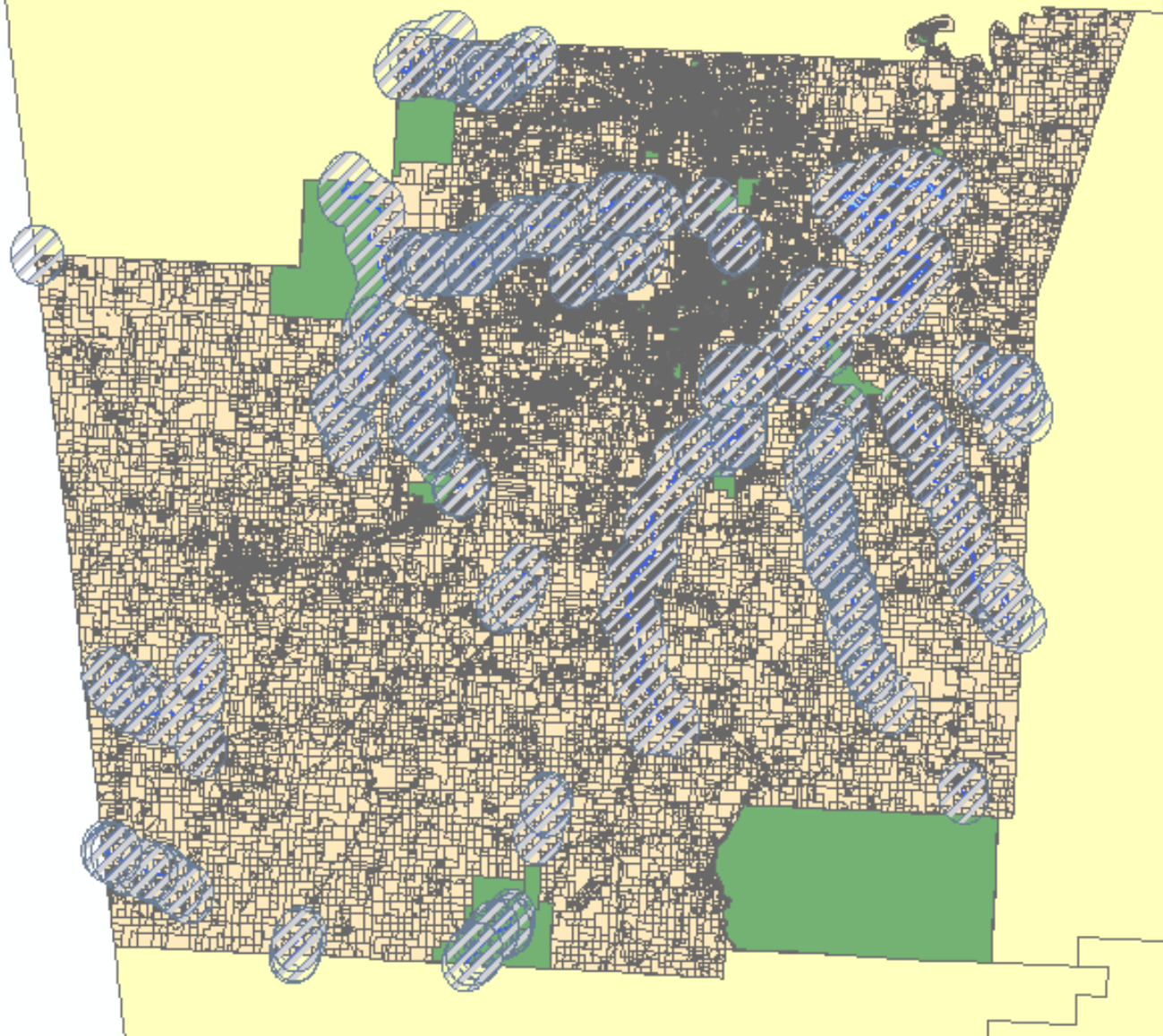
Cancel

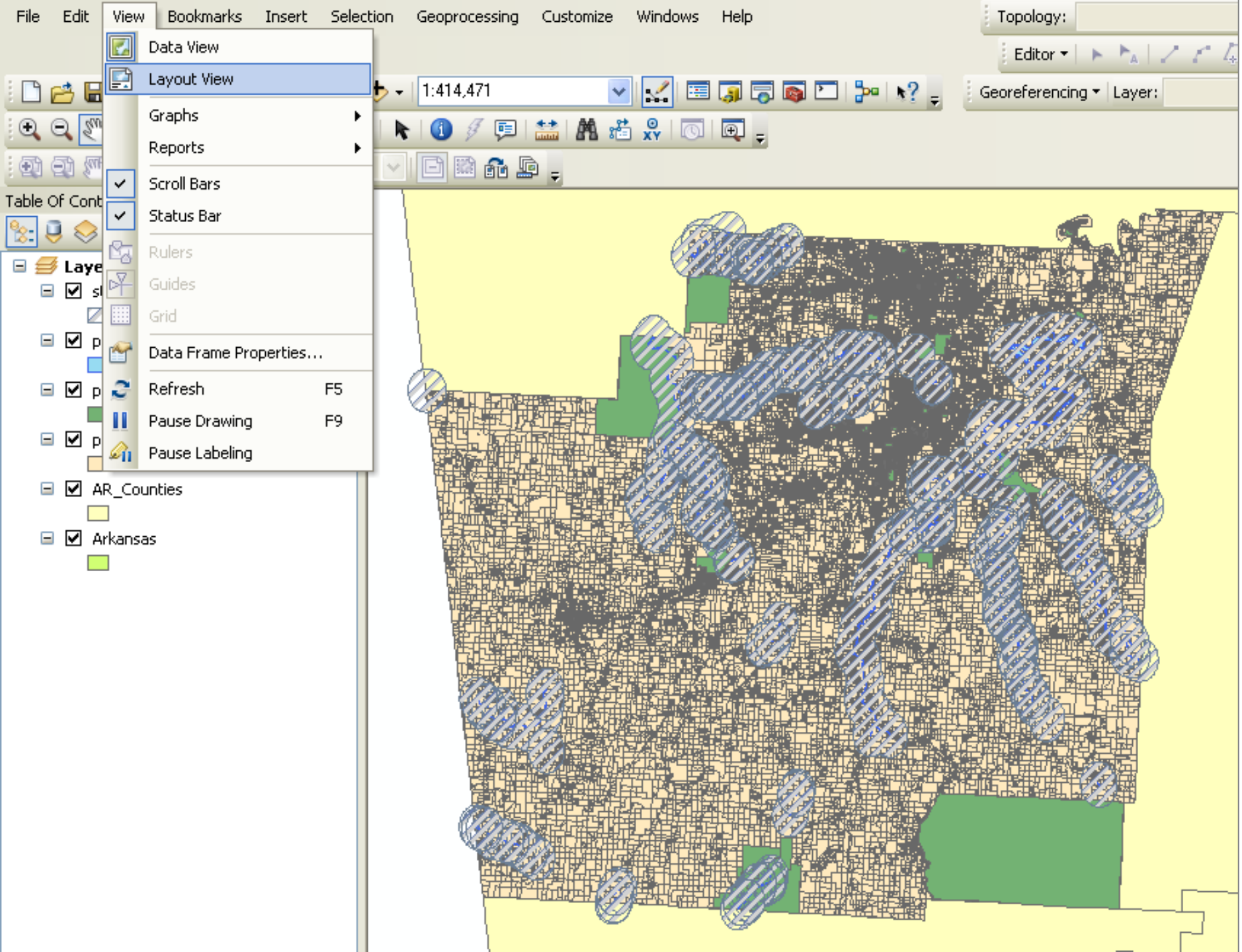
Environments...

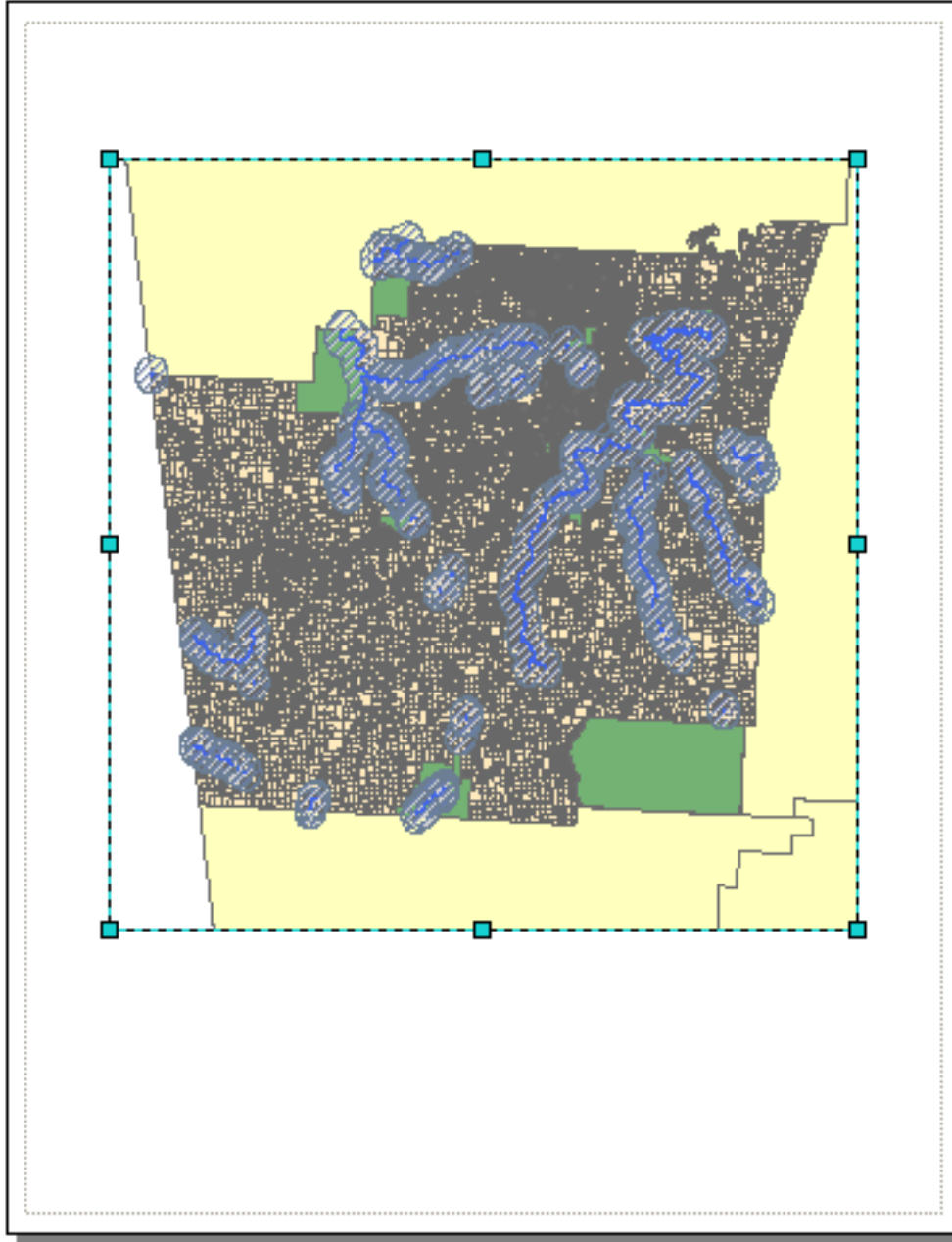
Show Help >>

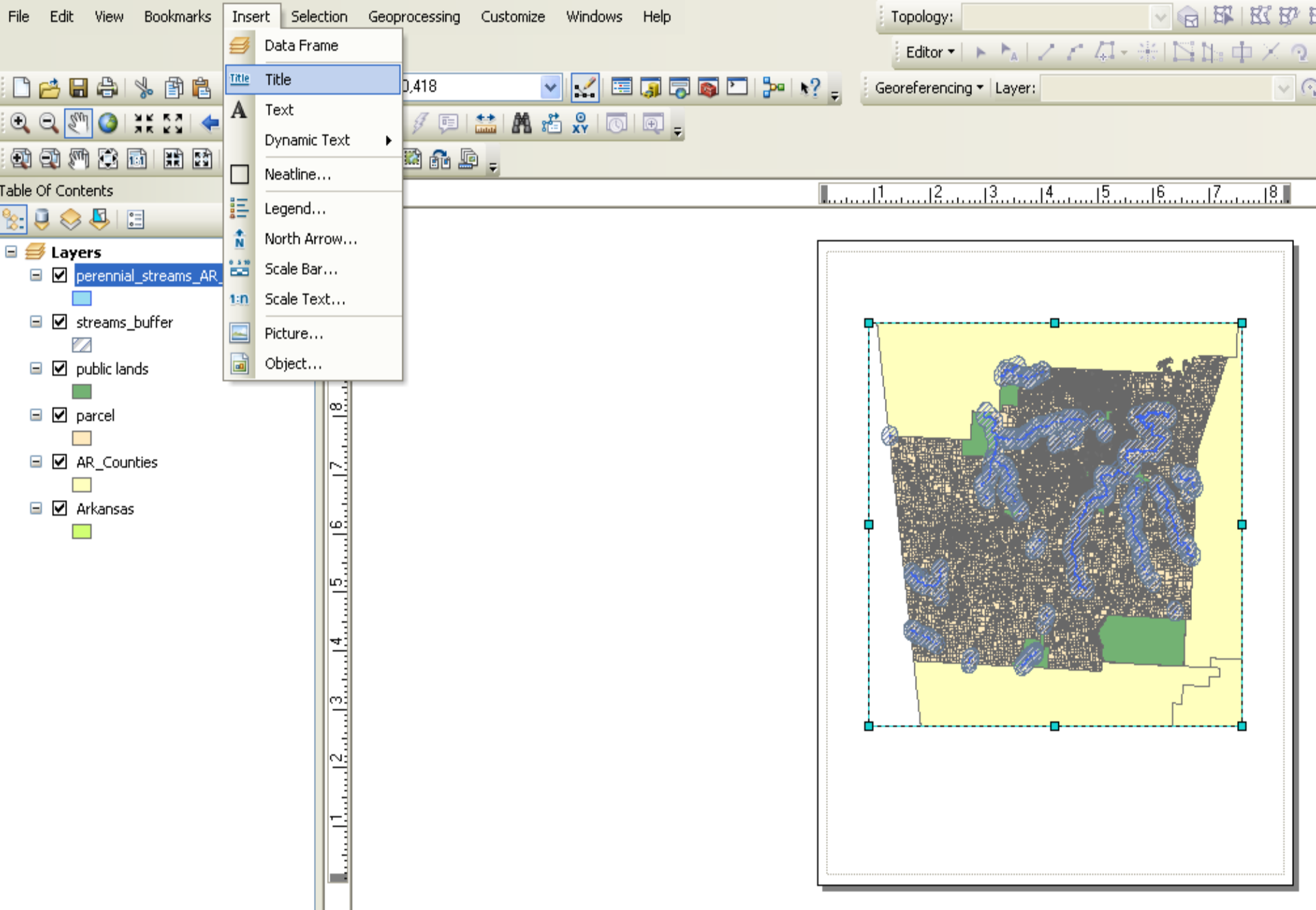
**Layers**

- ☒ streams_buffer
- ☒ perennial_streams_AR_Clip1
- ☒ public lands
- ☒ parcel
- ☒ AR_Counties
- ☒ Arkansas



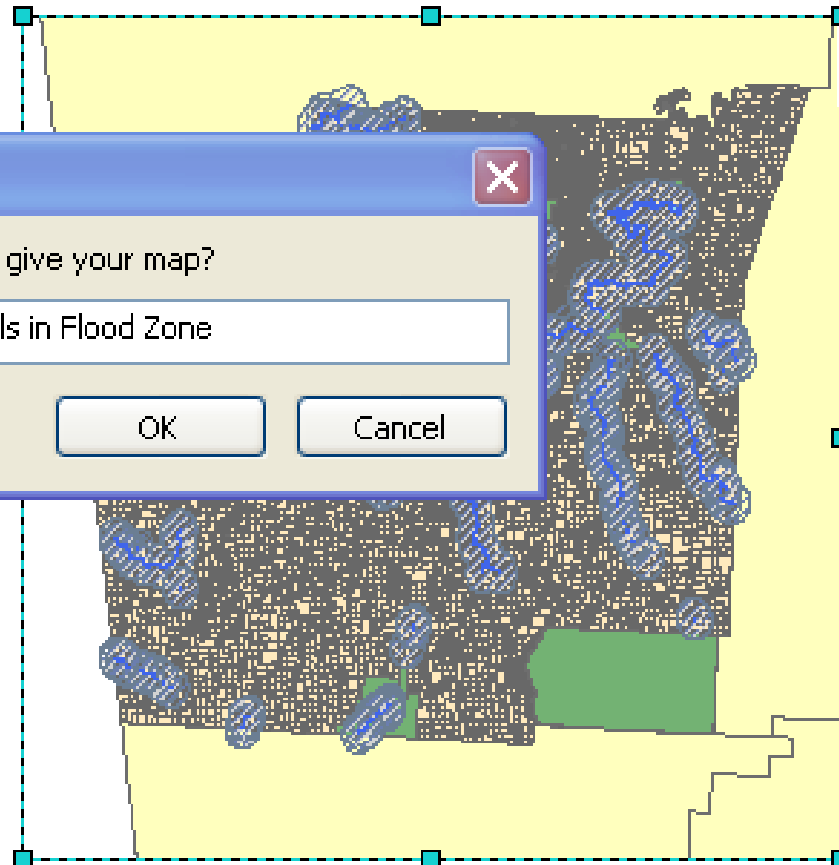


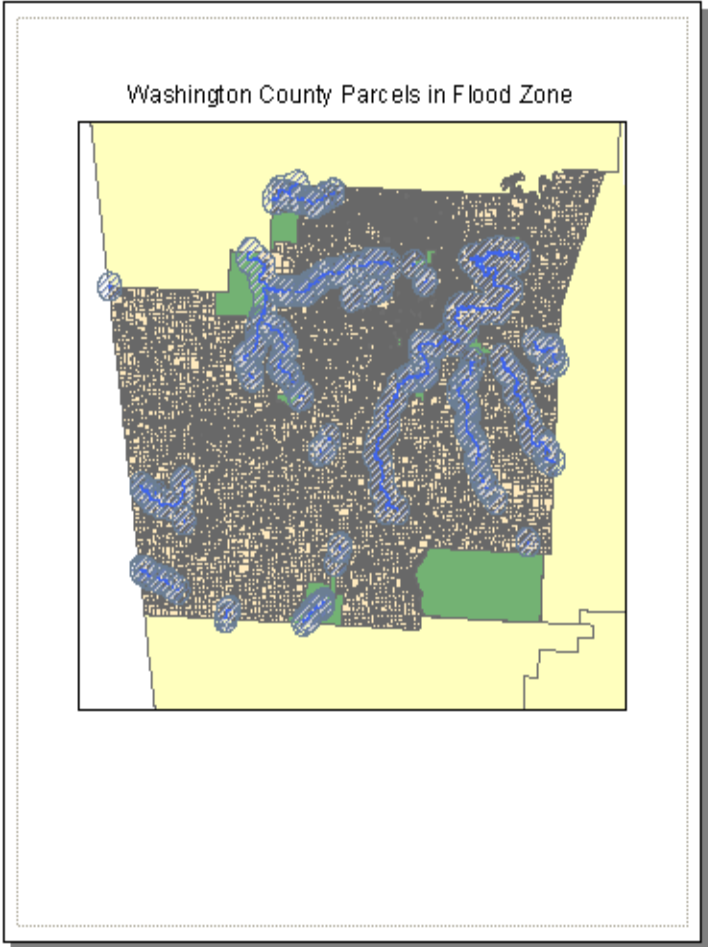




Insert Title ✕

What title would you like to give your map?





Legend Wizard



8

Choose which layers you want to include in your legend

Map Layers:

perennial_streams_AR_Clip1

streams_buffer

public lands

parcel

AR_Counties

Arkansas



Legend Items

perennial_streams_AR_Clip1

streams_buffer

public lands

parcel

AR_Counties

Arkansas



Set the number of columns in your legend:

1



Preview

< Back

Next >

Cancel

North Arrow Selector



ESRI North 1



ESRI North 2



ESRI North 3



ESRI North 4



ESRI North 5



ESRI North 6



ESRI North 7



ESRI North 8



ESRI North 9





Preview



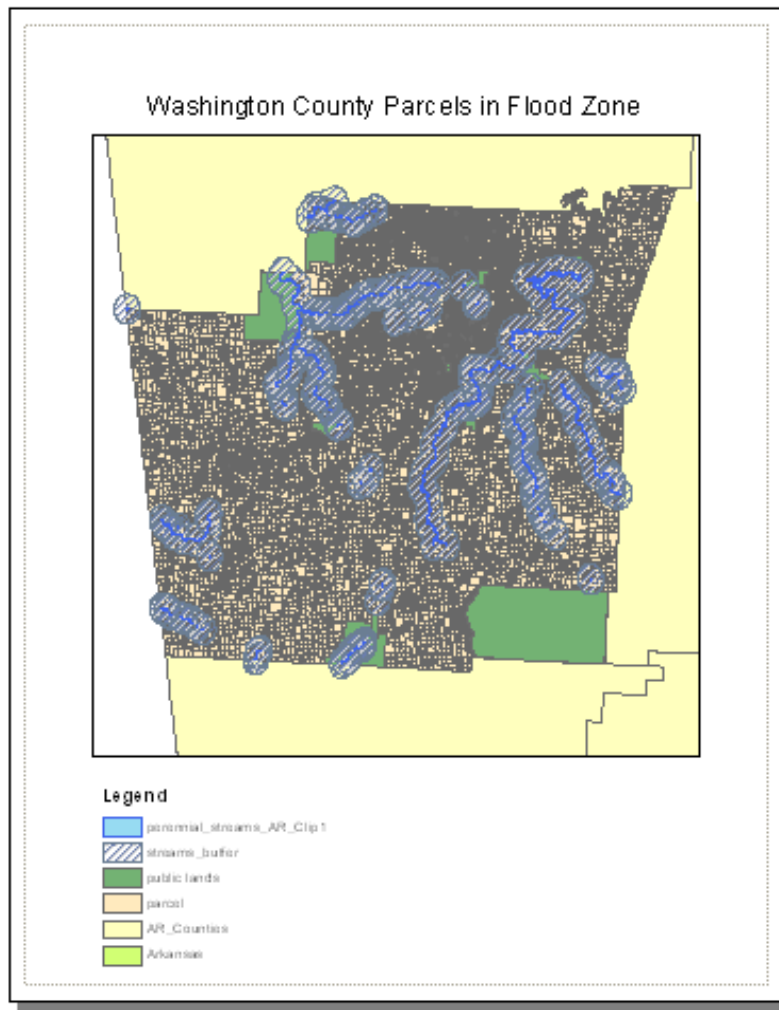
☒ Scale to fit page

Properties...

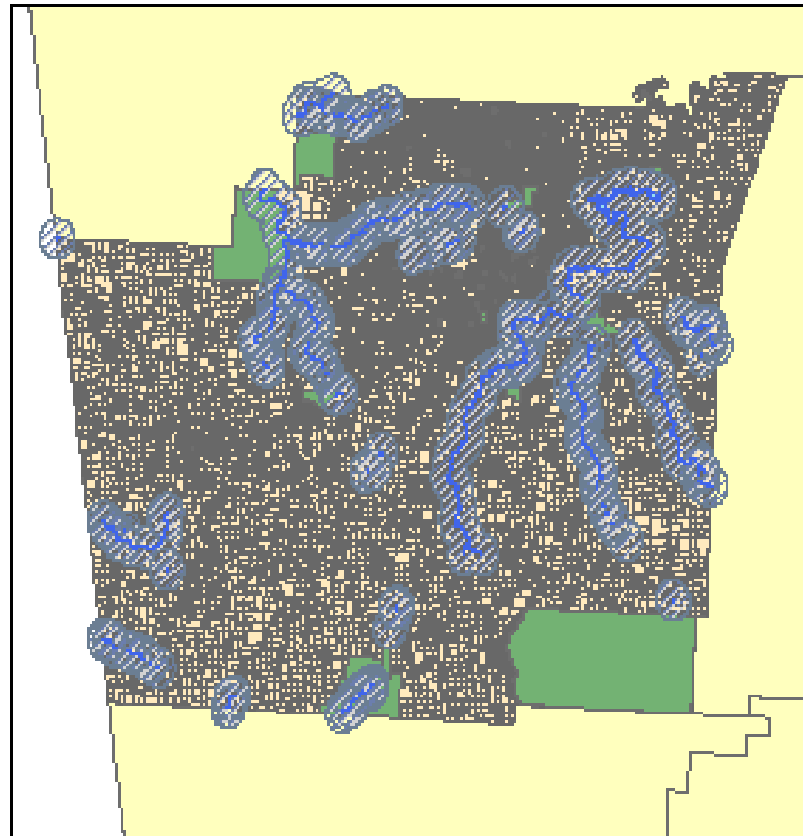
More Styles ▾

Save... Reset

OK Cancel



Washington County Parcels in Flood Zone



Legend

- perennial_streams_AR_Clip1
- streams_buffer
- public lands
- parcel
- AR_Counties
- Arkansas



0 3.5 7 14 Miles

Export Map



Save in: Intro to ArcGIS



My Recent Documents



Desktop



My Documents



My Computer



My Network Places

Data

File name: flood zone.pdf



Save

Save as type: PDF (*.pdf)



Cancel

Options

General Format Pages Advanced

Resolution: 300 dpi

Output Image Quality (Resample Ratio)

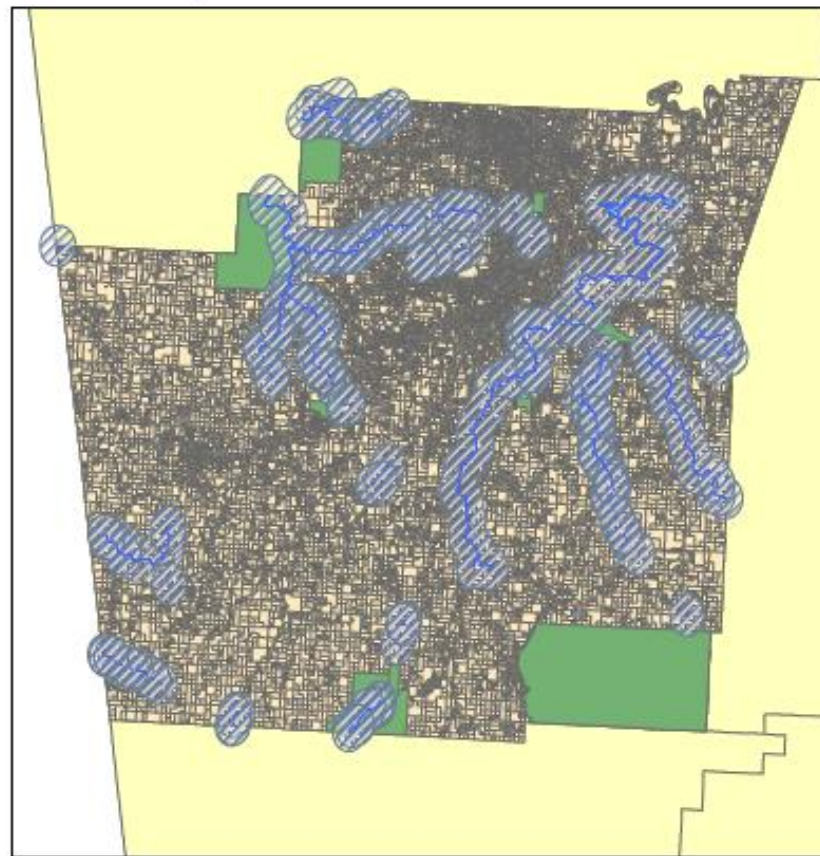
Fast Normal Best

Ratio: 1 : 1



☐ Clip Output to Graphics Extent

Washington County Parcels in Flood Zone



Legend

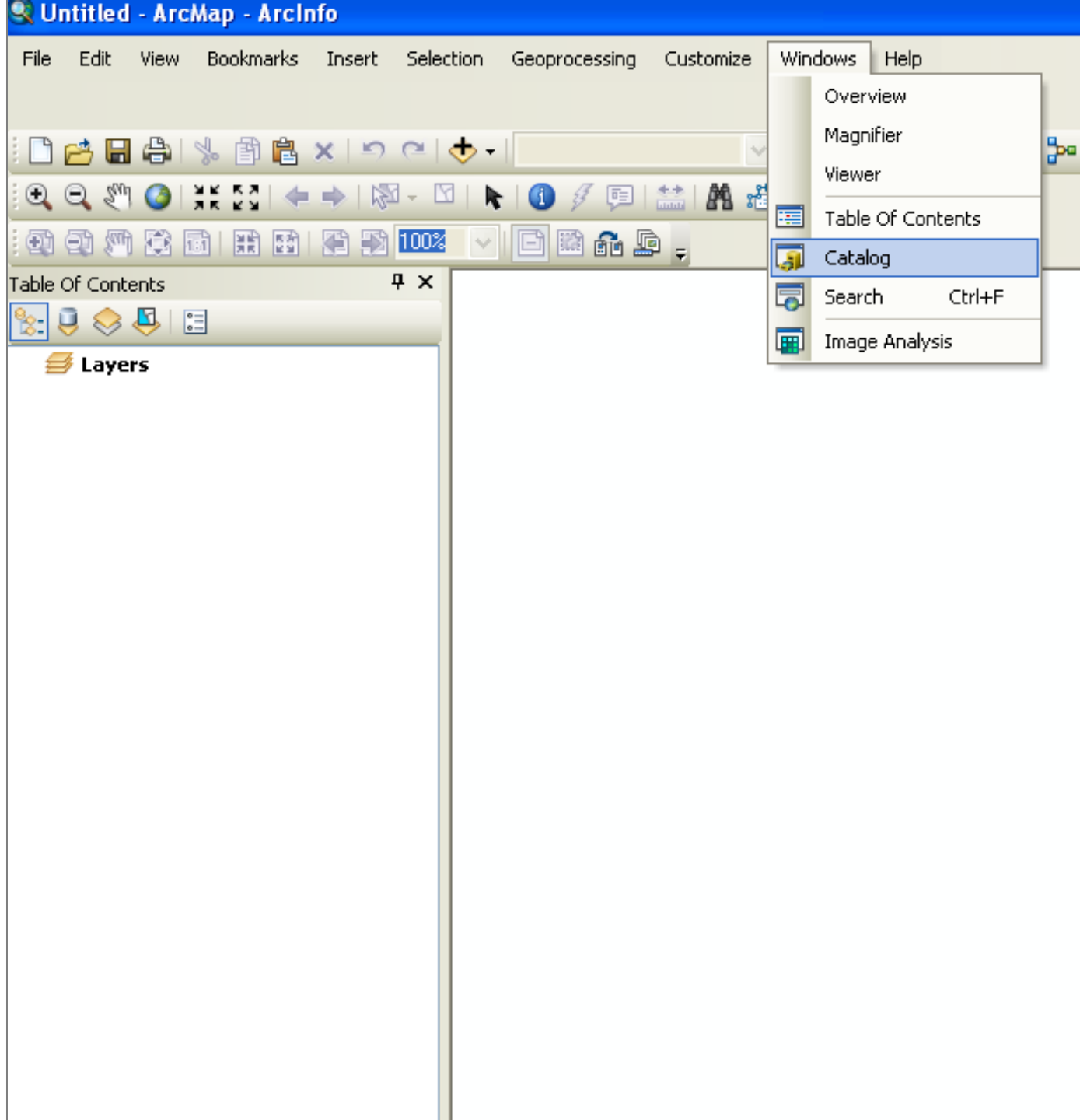
- perennial_streams_AR_Clip1
- streams_buffer
- public lands
- parcel
- AR_Counties
- Arkansas

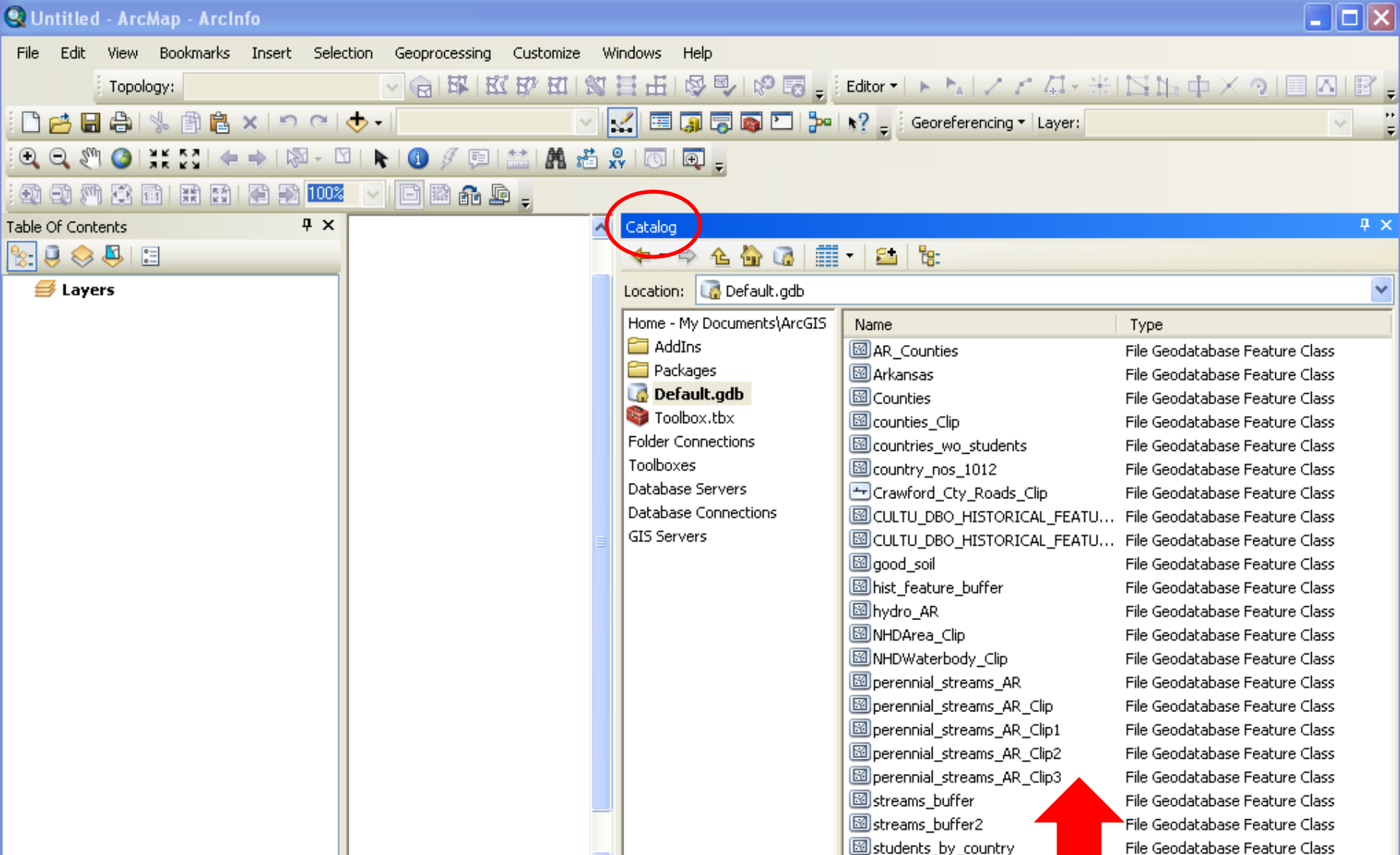


0 3.5 7 14 Miles

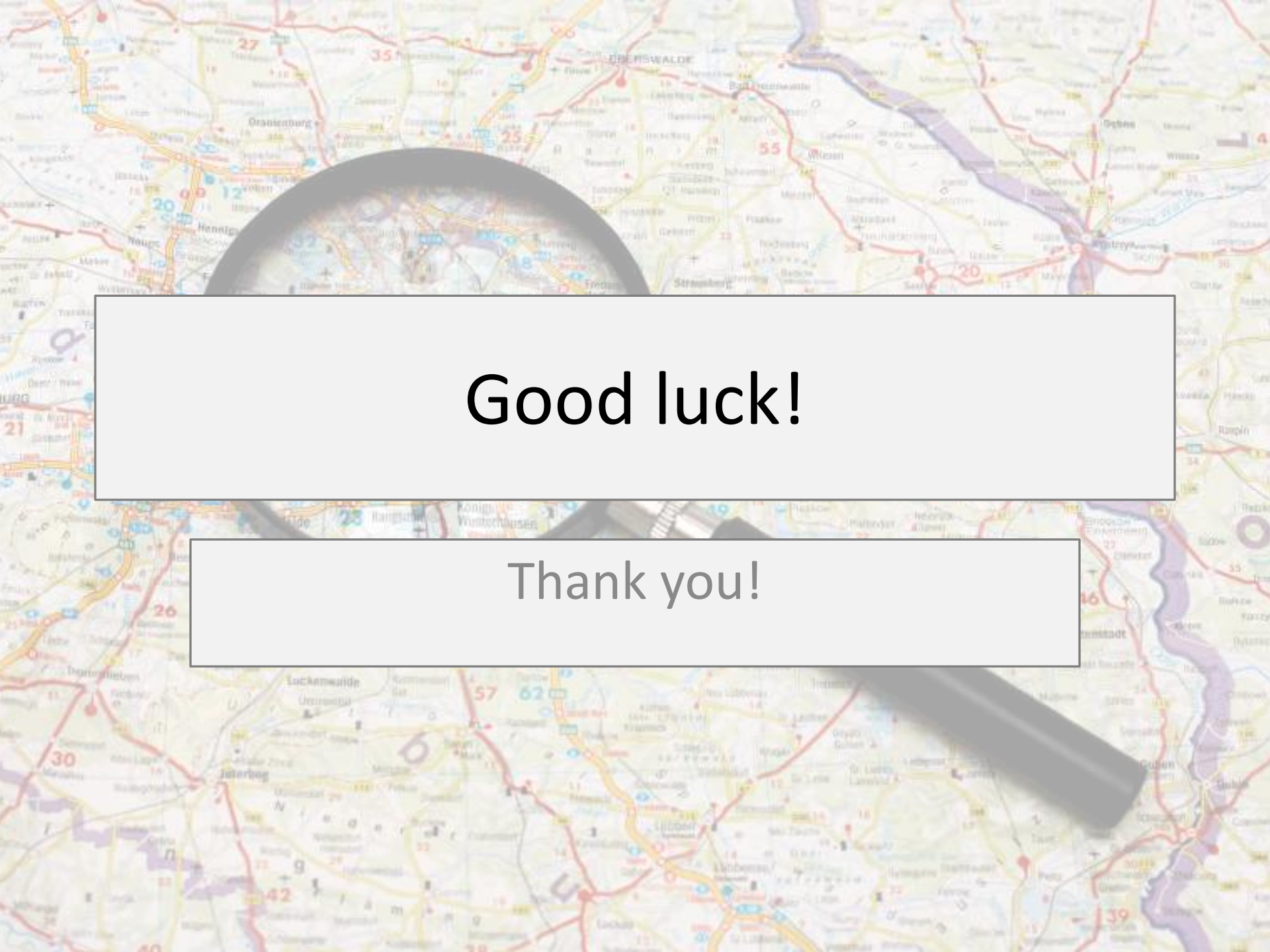
Manage Files with ArcCatalog

- File manager for files used in ArcMap
- Best to manage moving pieces this way, instead of Windows Explorer

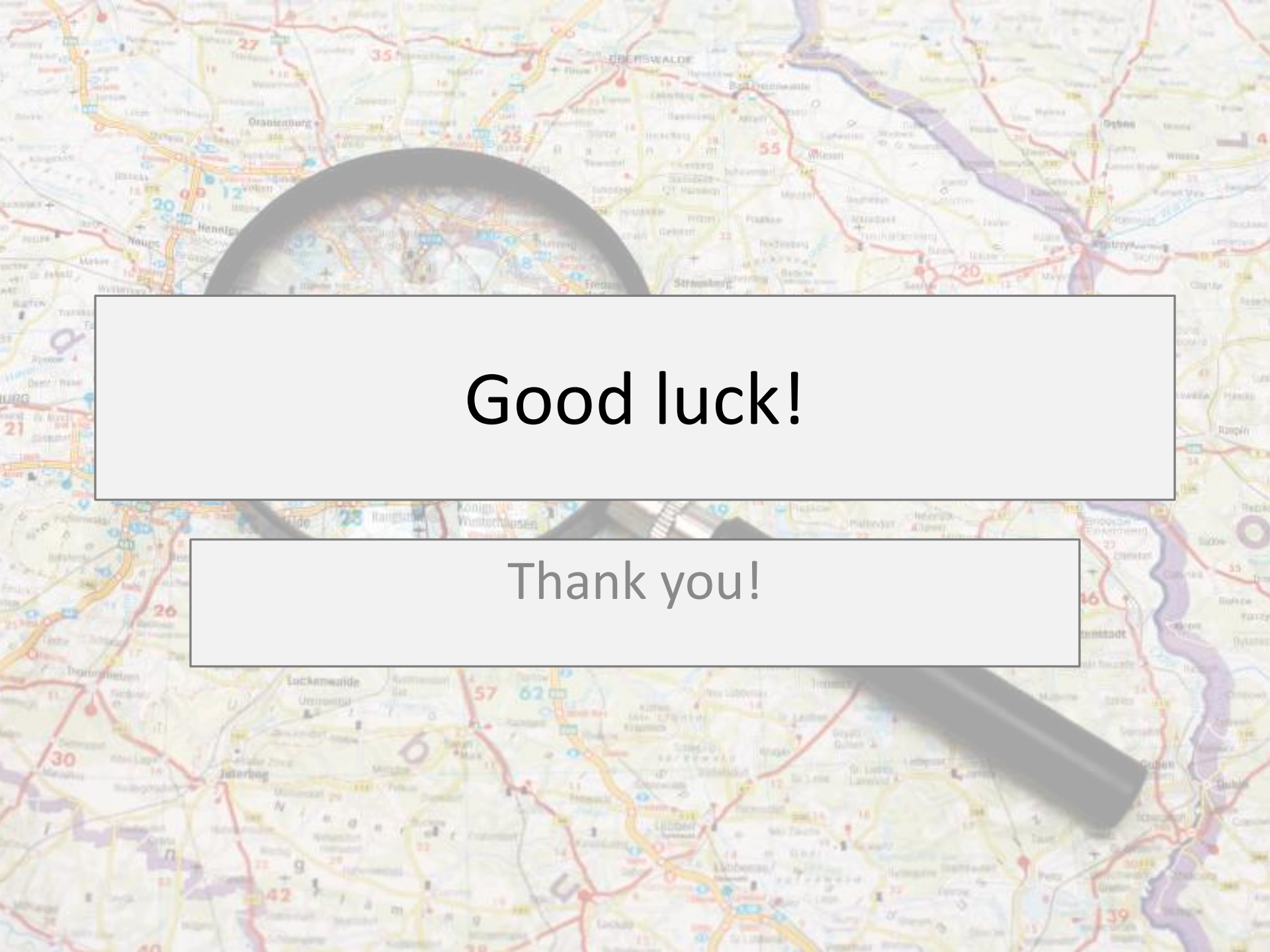




ArcCatalog Window



Good luck!



Thank you!