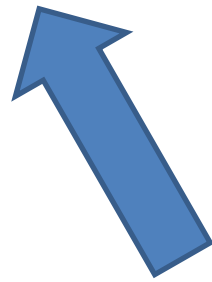


# **DIVA GIS Activity Extension**

**Buildings, Rivers, and Roads:  
Environmental Barriers to Quail Movement**





Open

Look in: Counties

Name	Date modified	Type
Counties_files	3/14/2016 11:34 AM	File folder
Counties.shp	3/14/2016 11:34 AM	SHP File

Type: SHP File  
Size: 2.95 MB  
Date modified: 3/14/2016 11:34 AM

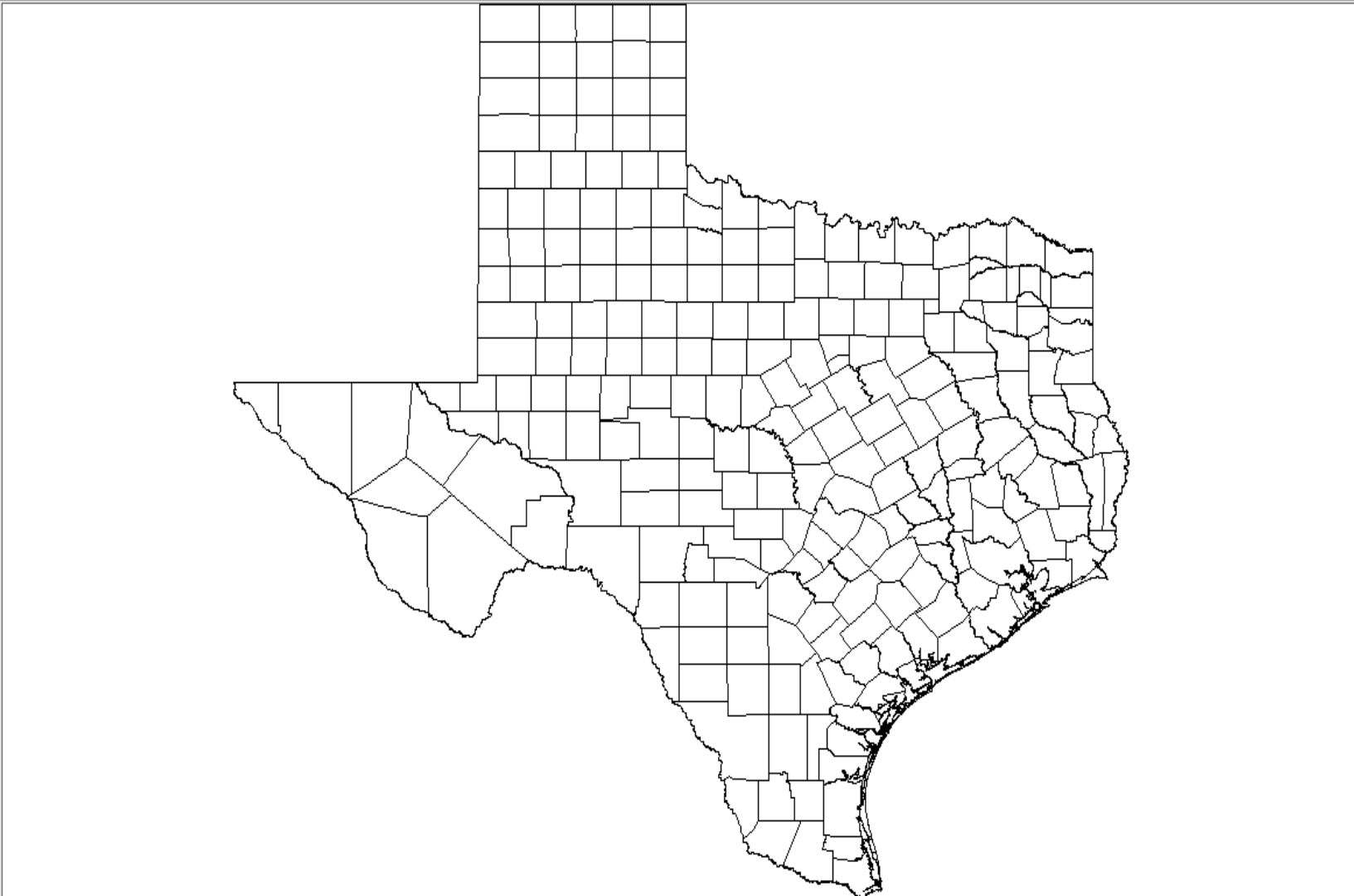
File name:

Files of type: All Layers (shp; grd; tif; jpg; sid; arc)

Open Cancel



Counties



**Open new Excel Spreadsheet**  
**File >> Save As...**  
**“BirdCoordinates”**

**Beginning in Column A, enter X as row 1 and the following coordinates shown in decimal degree format.**

X = Longitude

Y = Latitude

X	Y
-97.5113	26.50194
-98.8787	26.96108
-98.2576	26.90344
-97.8935	27.5335
-97.8465	27.39881
-98.3515	29.64979
-98.0406	29.89059
-98.0891	29.93561
-97.7576	26.79781

File Home Insert Page Layout Formulas Data Review View Acrobat

Paste Cut Copy Format Painter Clipboard

Calibri 11 Font

Wrap Text Alignment

General Number

Conditional Formatting Styles

Format as Table

Cell Styles

Insert Delete Format Cells

AutoSum Fill Clear

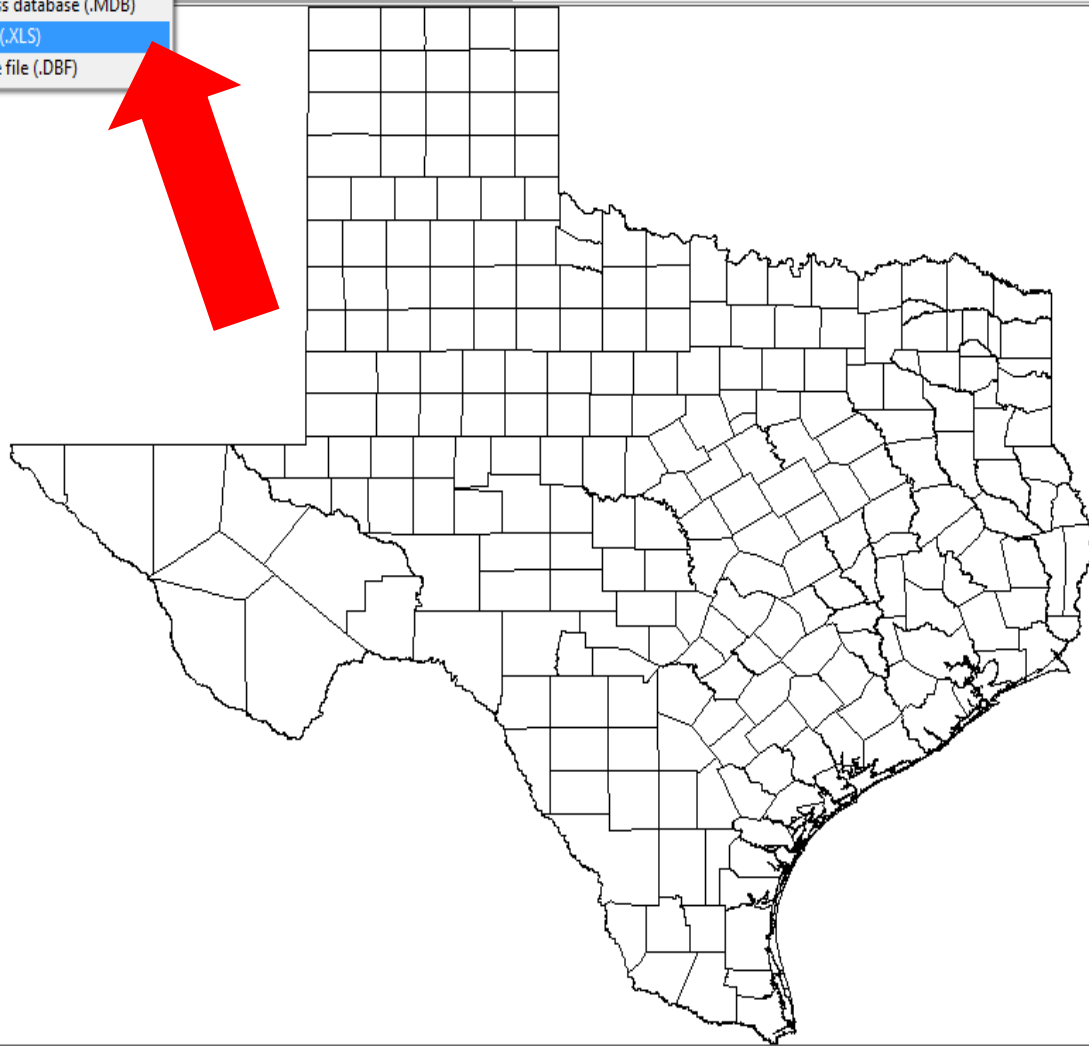
A1 X

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	X	Y																
2	-97.5113	26.50194																
3	-98.8787	26.96108																
4	-98.2576	26.90344																
5	-97.8935	27.5335																
6	-97.8465	27.39881																
7	-98.3515	29.64979																
8	-98.0406	29.89059																
9	-98.0891	29.93561																
10	-97.7576	26.79781																
11																		
12																		
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24																		
25																		

Save all changes.

- Import Points to Shapefile
- Import Text to Line/Polygon
- Draw Shape
- Polygon to Grid
- Points to Convex Polygon
- Selection to New Shapefile
- Extract Values by Points
- Climate
- Georeference (assign coordinates)
- Check Coordinates
- Export Gridfile
- Import to Gridfile
- Write VRT file
- Export Shapefile
- File Manager
- Download

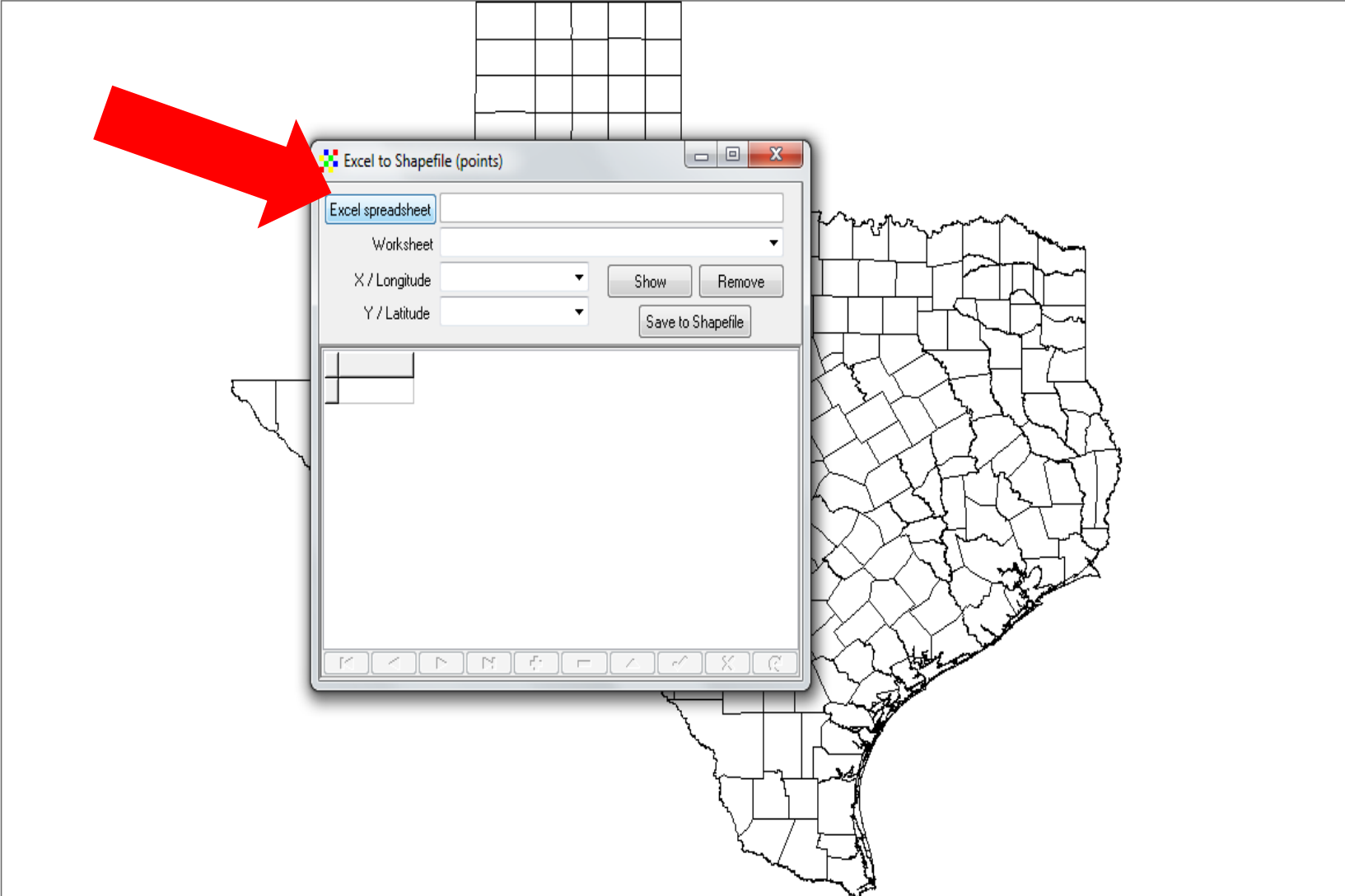
- From text file (.TXT)
- From Access database (.MDB)
- From Excel (.XLS)
- From dBase file (.DBF)







Counties



Excel to Shapefile (points)

Excel spreadsheet

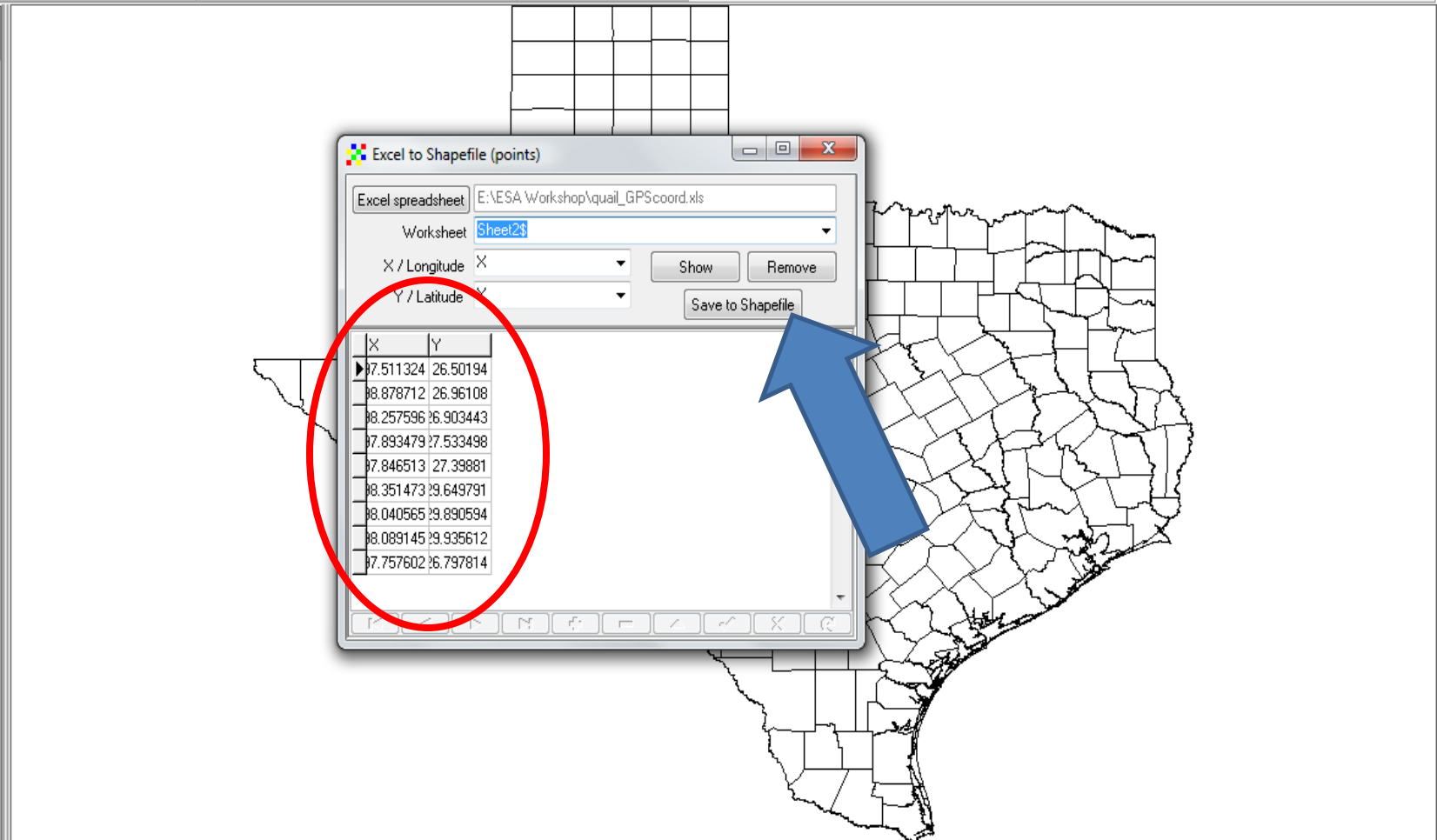
Worksheet

X / Longitude  Show Remove

Y / Latitude  Save to Shapefile



Counties



Excel to Shapefile (points)

Excel spreadsheet: E:\ESA Workshop\quail\_GPScoord.xls

Worksheet: Sheet23

X / Longitude: X

Y / Latitude: Y

Show Remove

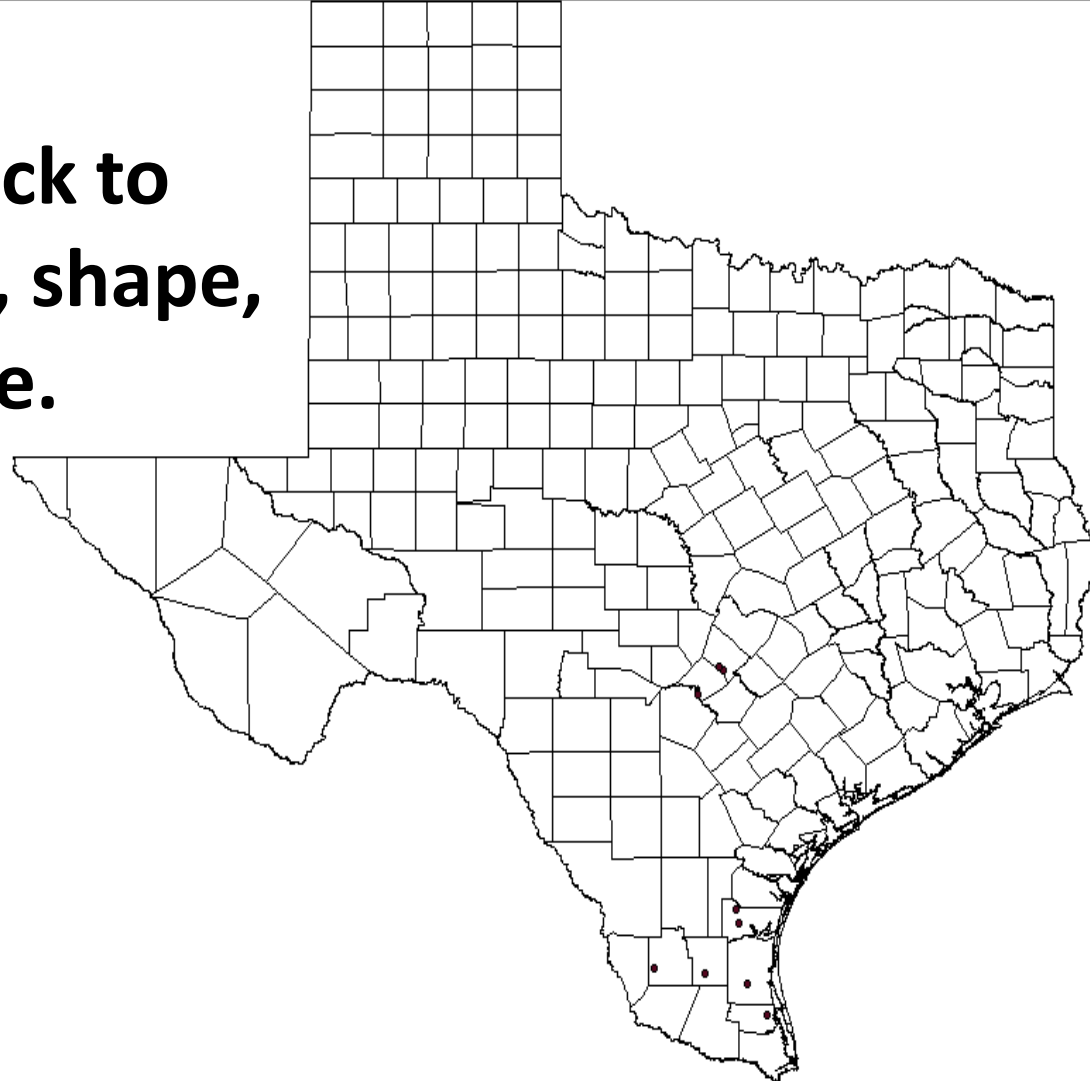
Save to Shapefile

X	Y
7.511324	26.50194
8.878712	26.96108
8.257596	26.903443
7.893479	27.533498
7.846513	27.39881
8.351473	29.649791
8.040565	29.890594
8.089145	29.935612
7.757602	26.797814



- GPSPoints2
- Counties

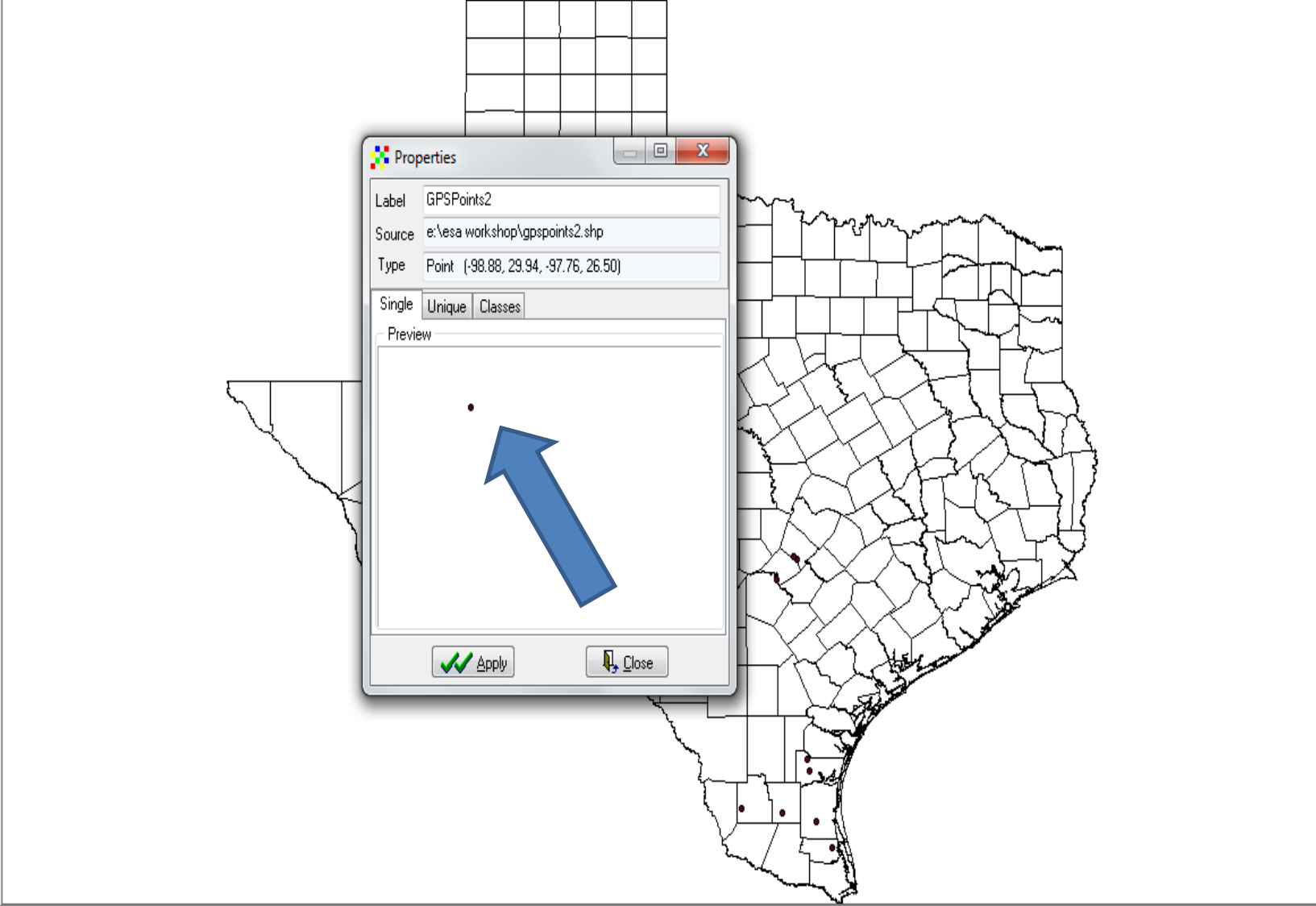
**Double-click to  
modify color,  
shape,  
and size.**





Layer list on the left side of the interface:

- GPSPoints2
- Counties



Properties dialog box for the selected layer:

**Properties**

Label: GPSPoints2

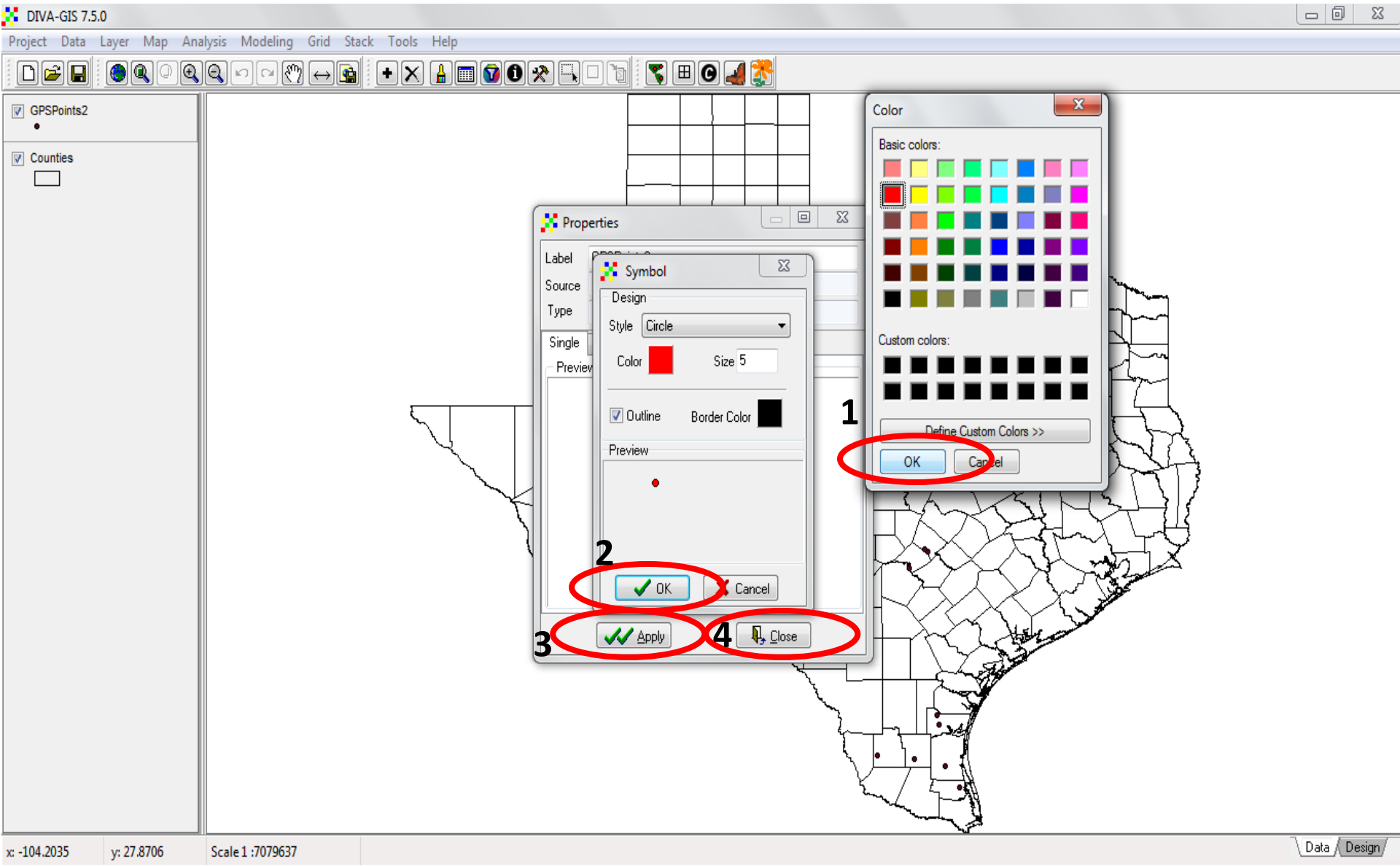
Source: e:\esa workshop\gpspoints2.shp

Type: Point (-98.88, 29.94, -97.76, 26.50)

Single:  Unique  Classes

Preview

Buttons:  Apply,  Close



**Click OK >> OK >> Apply >> Close**

File >> Save As >>  
"BirdLocations.div"

