Creating a Map Series from a Polygon Layer using LOJIC Tools

Although ArcGIS Data Driven Pages are useful in many situations, it cannot handle automatically changing page orientation (portrait or landscape) based on the shape of an individual polygon. This automatic adjustment allows polygons to be displayed at their optimal scale for the size of paper on which it is printed.

Polygon Layer Map Series tool in the LOJIC Tools toolbar can automatically change page orientation and create maps based on features selected from a polygon layer. This tool will only display polygon based layers from the active data frame. It was not designed to be used on layers with more than 10,000 polygons.

In this exercise, you will create a series of maps of all the precincts in Metro Council District 6.

Using the Polygon Layer Map Series Tool

Open the **Precints.mxd** in the **H:/DataDrivenPages** directory. If necessary, **open** the **LOJIC toolbar**. (Go to **Customize > Toolbars** and select **LOJIC Tools**.) Click the **Polygon Layer Map Series Tool**. (Figure 1)

LOJIC Tools Toolbar							▼ X
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Figure 1 - LOJIC Tools with Polygon Layer Map Series tool highlighted.

In the Layer Information tab (Figure 2), select District 6 Precincts in the Select the Layer section.

In the Select the Field	💭 Polygon Layer Map Serie	s X
section, scroll down and	Layer Information Map Temp	olates Default Settings
select PRECINCT .	Select the Layer:	Select the Field:
In the Select the Field Value(s) section , click on the Select All button.	District 6 Precincts	FORMERPREC LEGISDIST OBJECTID PRECINCT SCHOOLDIST SENDIST
Click the Next button.		Select the Field Value(s): M121 M123 M124 M129 M154 M155 M156 V
		Next > Cancel

Figure 2 – Layer Information tab

On the **Map Templates** tab (Figure 3), select the **Classic Map** map templates from the **Select a Template** section.

Click the Next button.



Figure 3 – Map Templates tab

On the **Default Setting** tab (Figure 4), in the **Standard Page Sizes** section, set the page size of the map to **ANSI A-8.5 x 11 in**.

Set the **Page Orientation** to **Automatic**. The **Automatic** option will set the page orientation based on each polygon selected in the Layer Information tab.

Keep the default setting in the Map Title which is the layer name that you selected in Layer Information tab as the first line of the title. Keep the default setting in the Map Sub Title which is the field value that you

🖌 Polygon Layer Map Serie		<u> </u>
Layer Information Map Ten	nplates Default Settings	,
Standard Page Sizes: ANSI A - 8.5x 11 in. ANSI B - 11x 17 in. ANSI C - 17x 22 in. ANSI D - 22x 34 in. ANSI E - 34x 44 in. ANSI F - 28x 40 in. Custom	Map Title: District 6 Precincts Map Sub Title: K104 Created By: ipoole	Auto Create Auto Create
Page Orientation Automatic Portrait C Landscape	Select a Logo: LouisvilleMetro_DeptNeight LouisvilleMetro_Parks LouisvilleMetroPoliceDept LouisvilleMetroSeal LouisvilleMetroSeal_Old LouisvilleParksDept_BW_O	Add LOJIC Logo
<	Back Finished Cancel	

Figure 4 – Default Settings tab

selected in Layer Information tab as the second line of the title. **Keep** the default for the **Created By** option. In the **Select a Logo** section, scroll down and select the **LouisvilleMetroSeal** logo. Set the **Map Output** to **Preview** the map. Click the **Finished** button.

The application will automatically go to **Layout view** and you will see a **preview** of the first map in the series. **Don't close** the **Polygon Layer Map Series** window but move window to see the map preview. Notice the logo and the title.

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To print the map series, go back to the **Polygon Layer Map Series** tool and select **Map Output: Export**. (Figure 5) Click the **Finished** button.

Exercise 4

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In the Export Map window (Figure 6), **Save** the map **In** the **DataDrivenPages** directory. Enter the **File name: District6Precincts** and **Save** as **type: PDF** (*.pdf).

Individual PDFs will be created for each precinct in the series. The naming convention is: **District6Precincts_<Precinct>.pdf.**

When the pdfs are done exporting, use **ArcCatalog** to go to the **DataDrivenPages** directory and **double click** on several of the maps to open them in Adobe Acrobat Reader. (K103 – portrait; M121 – landscape)

Save and close the mxd.