



Making GIS Work for the LAFCO Layperson

Helpful Resources on ArcGIS Desktop (ArcMap)

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This handout provides links to useful and detailed resources on ArcMap Tutorials.

ARCGIS DESKTOP

ArcGIS Desktop is comprised of a set of integrated applications:

- ArcMap - main mapping application which allows you to create maps, query attributes, analyze spatial relationships, and layout final projects.
- ArcCatalog - organizes spatial data contained on your computer and various other locations and allows for you to search, preview, and add data to ArcMap
- ArcToolbox – Third application of ArcGIS Desktop. Accessed and used within ArcMap and ArcCatalog. ArcToolbox contains tools for geoprocessing, data conversion, coordinate systems, projections, and other advance functions.

ARCMAP

- Primary mapping application - 2D mapping component of the ArcGIS Suite of software
- Most basic data management and analysis will be done in using ArcMap.
- Display and explore data
- Add data to a map.
- Analyze relationships between data.
- Create and edit datasets
- Digitize features.
- Symbolize and organize data.

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Spatial Analysis using ArcMap

DETAILED TUTORIALS ON ARCMAP

Title	Description and Source	Link
<i>Introduction to GIS</i>	The following materials were drawn from two introductory GIS workshops given at MIT. They cover the basics of GIS using ArcGIS Desktop. <i>Source: MIT Open Courseware from MIT</i>	http://bit.ly/MITGISWorkshop
<i>Desktop GIS 101 Workshop</i>	<i>Basic GIS concepts and the fundamentals of spatial analysis.</i> Source: University of Minnesota – U-Spatial	http://bit.ly/UMNGIS Link to Materials: (http://bit.ly/GIS101Materials)
<i>Introduction to GIS Mapping and other GIS Workshops</i>	Yale Map Collection GIS Workshop Series <i>Source: Yale University Library</i>	http://bit.ly/YaleGIS
<i>Getting Started with GIS</i>	Free Web Course from ESRI -Get an introduction to the basic components of a GIS. Learn fundamental concepts that underlie the use of a GIS with hands-on experience with maps and geographic data. <i>Source: ESRI Academy</i>	http://bit.ly/ESRIGIS101
<i>ESRI Course Catalog</i>	Learn the latest GIS technology through free live training seminars, self-paced courses (free and paid), or classes taught by ESRI <i>Source: ESRI</i>	http://bit.ly/esricoursecatalog
<i>ArcGIS Desktop Application Tutorials</i>	Various ArcGIS tutorials used to perform a number of common tasks in ArcGIS. Find the tutorial that you would like to work through by clicking the links in the tables below. <i>Source: ESRI</i>	http://bit.ly/arcgistutorial
<i>Learn ArcGIS</i>	Guided lessons using ArcMap with free trials <i>Source: ESRI</i>	http://bit.ly/learnarcmap