

This REGIS QuickSheet presents a step-by-step process of how to create a shapefile in REGIS ArcMap.

Step-by-Step Process

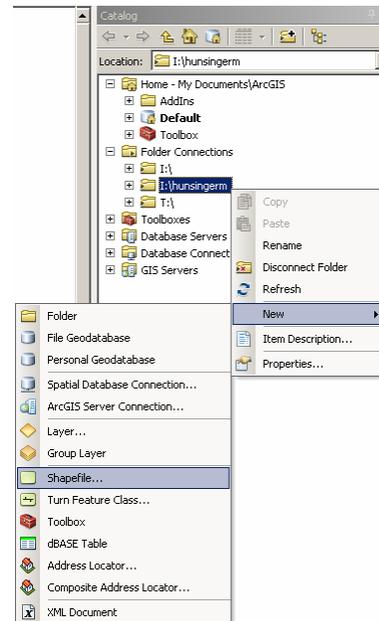
1. Log into the REGIS ArcGIS 10 application of your choice (ArcView 10, ArcEditor 10, ArcInfo 10) as you normally would, either opening a saved map document (.mxd) file from a previous session or using a brand new map document adding the needed layers.



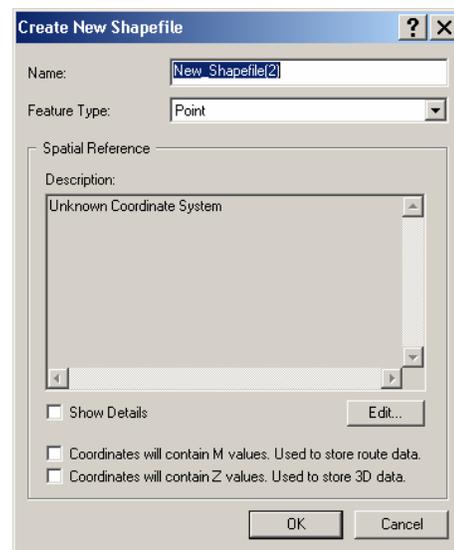
2. Launch ArcCatalog

Browse to the directory and folder you would like to save the shapefile to.

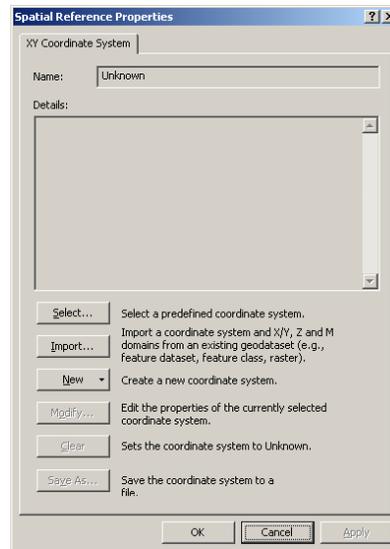
3. Right-click>New>Shapfile



4. In the Create New Shapefile window:
5. Under **Name**: provide a new name for the shapefile
6. Under **Feature Type**: pick the feature type desired
7. In the **Create New Shapefile** window Click **Edit...**
8. In the **Spatial Reference Properties** window Click **Import**



- Browse to any REGIS file that matches the REGIS coordinate system. (Note this will be any file that was created in REGIS). Click on that file to highlight in blue and click **Add**. This will match your new shapefile to the coordinate system of the shapefile you just added.



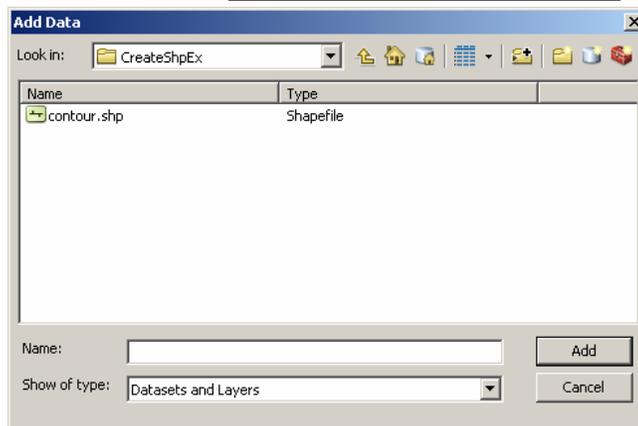
- Under **Details** the info should match the text below:

Projection:

Lambert_Conformal_Conic
 False_Easting: 13123359.580052
 False_Northing: 0.000000
 Central_Meridian: -84.366667
 Standard_Parallel_1: 42.100000
 Standard_Parallel_2: 43.666667
 Latitude_Of_Origin: 41.500000
 Linear Unit: Foot (0.304800)

Geographic Coordinate System:

GCS_North_American_1983
 Angular Unit: Degree (0.017453292519943299)
 Prime Meridian: Greenwich (0.000000000000000000)
 Datum: D_North_American_1983
 Spheroid: GRS_1980
 Semimajor Axis: 6378137.000000000000000000
 Semiminor Axis: 6356752.314140356100000000
 Inverse Flattening: 298.257222101000020000



- Click **OK** to close the Spatial Reference Properties window
- Click **OK** again to close the Create New Shapefile window the new shapefile will be created in the desired directory or folder.

Help and Additional Information

For assistance or additional information on logging into the REGIS ArcGIS 10 environment, please call the REGIS Help Desk at (616) 776-7744, send an e-mail to regis@gvmc.org, or consult the REGIS Support Center at http://www.gvmc-regis.org/regis_users.html. For information on GIS training offered at REGIS contact Brenda Brittain at (616) 776-7751 or visit the REGIS training website at <http://www.gvmc-regis.org/training.html>