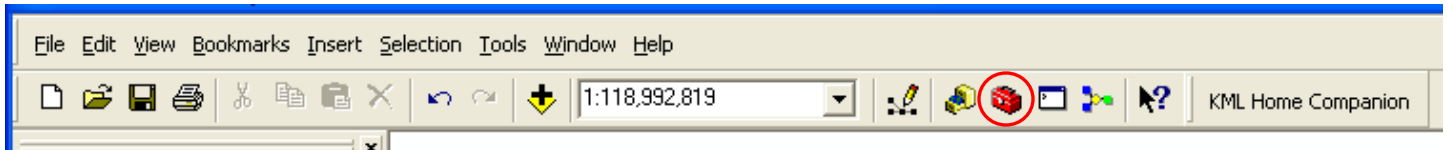
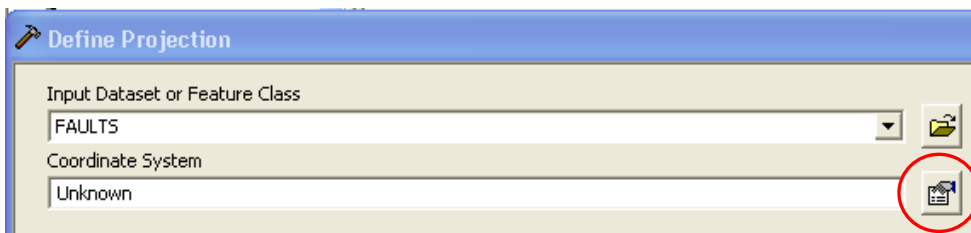
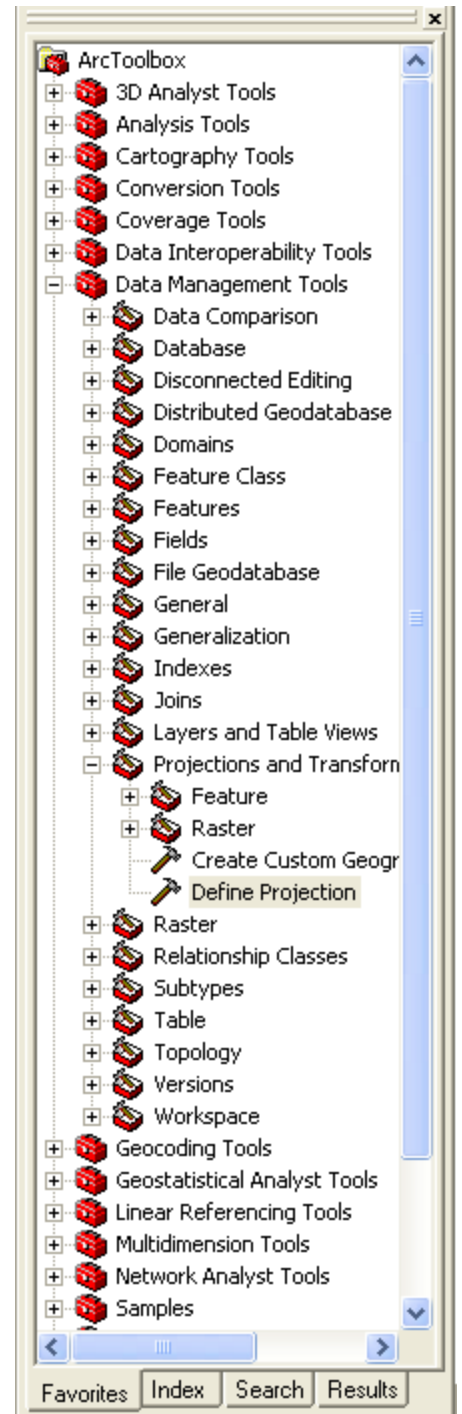


## Projecting Data in ArcMap

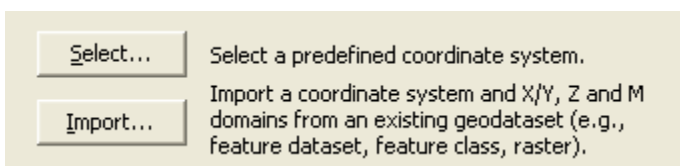
When you have a shapefile without any spatial reference information you can set the coordinate system and projection using ArcToolbox. Click the Toolbox button in ArcMap.



Expand the tree of tools as shown on the right. Double click on 'Define Projection.' You can select the file to project using the browse button or simply click and drag the layer from the table of contents. Next, click the icon shown below to set the coordinate system.



This tool allows you to either select from the predefined list of coordinate systems and projections or to import the spatial reference information from another file. Use this second option and import from one of the layers that has an appropriate coordinate system. In this case we need to define a world geographic coordinate system (such as WGS 1984) for the FAULTS, PLAT\_LIN (plate lines) and PLATES shapefiles.



Now you can use one of the predefined projections from the Data Frame properties.