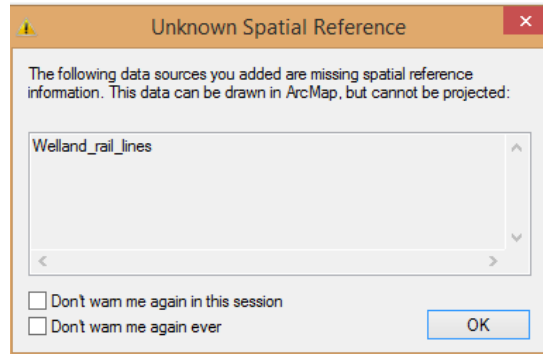



Projecting Vector Data


Introduction

If a warning prompt "Unknown Spatial Reference" appears when a data set is added to ArcMap (see image), the spatial reference should be defined. Other data sets may not overlay properly if projection information is missing. This procedure outlines steps for defining a projection for vector data. You must know the correct coordinate system of the dataset before using this tool.



1. Run ArcMap, then click the ArcToolbox button .
2. Select > **Data Management Tools**
 > **Projections and Transformations**
 > **Define Projection** (double-click to run tool).

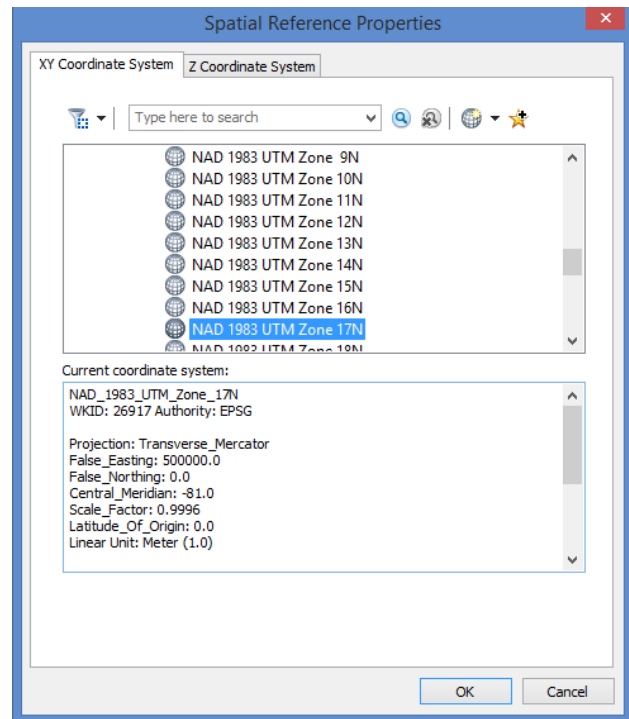
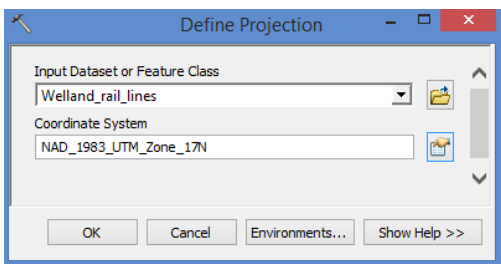
The "Define Projection" dialogue box appears.

3. Select a layer from the "Input Dataset or Feature Class" dropdown or browse to a file.
4. Click the button  beside the Coordinate System field and navigate to the named coordinate system.

Projected Coordinate Systems

- > UTM
- > NAD 1983
- > NAD 1983 UTM Zone 17N

5. Click OK to the Spatial Reference Properties dialogue box.
6. Wait for the Coordinate System to appear in the Define Projection window then click OK to run the tool.



NOTE: For raster data, use Project Raster tool found in

- > **Data Management Tools**
- > **Projections and Transformations**
- > **Raster**
- > **Project Raster**