INSTRUCTIONS FOR GIS SHAPEFILES and GEODATABASE FOR THE 2012 303(d) LIST

Shapefiles and a geodatabase are provided for download on this webpage. They both provide the same information, but are just in a different in format. Below are instructions for how to use each of them.

A. SHAPEFILES

Shapefiles are provided for the 2012 303(d) list as a statewide coverage. This coverage contains attribute information identifying the specific Regional Board and water body type of each of the listed waters. If you want to query out 303(d) listed waters for specific pollutants, you can link to the 303(d) list table provided for download on this same web page. Instructions for linking the GIS files to the table are provided under "Linking to 303(d) list table" below.

Projection:
These are Nad83 Teale-Albers projected shapefiles.

These are the parameters of the CA Teale-Albers projection:

Projected Coordinate System: NAD_1983_California_Teale_Albers
Projection: Albers
False Easting: 0.00000000
False Northing: -4000000.00000000
Central Meridian: -120.00000000
Standard_Parallel_1: 34.00000000
Standard_Parallel_2: 40.50000000
Latitude Of Origin: 0.00000000
Linear Unit: Meter

Note: If you are using ArcGIS ArcMap, the projection file has been provided in these zipped files. The projection file has a "prj" suffix.

Linking to 303(d) list table:
You can link the GIS shapefiles to the 303(d) list table provided for download on this same web page. The field "WBID" is the field to link/relate the GIS shapefiles to the 303(d) list table (use "Relate" not "Join" in ArcGIS). It is best to use the 303(d) list table that does not contain sources (the table filename tells you whether or not sources are included), unless your goal is to represent sources. This is because there can be more than one potential source per listed pollutant and more than one listed pollutant per water body.

NOTE: The 303(d) list table has additional information for you to query by:
- Suggested pollutant and source categories have been added for querying and sorting purposes. These categories are not binding; they are provided for your convenience. You may want to create your own categories.
- A column to describe which USEPA Categories (5, 4a, and 4b) the water body belongs in.

- A column with the listing decision (list, do not delist).

B. *GEODATABASE*

Instructions for using the 303d geodatabase:

1. Download the geodatabase from: http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2012.shtml, under data download tab, bullet titled "GIS ArcGIS geodatabase".

2. In your mxd, click to add a layer and click on the downloaded geodatabase.

3. The window should show you 5 items inside the geodatabase. Add the three main files, but NOT the 2 "relationship classes" type files. ArcGIS will use those relationship class items without you needing to add them.

4. Querying: If you need to query to get subsets like all water bodies listed for Pathogens, here is an example of how to do that:

   a. Open up the 303d list table and choose options and then click on "select by attributes".
   b. Select pollutant category = Pathogens
   c. With 303d list still open, choose options again and then select "related_tables".
   d. You should see 2 different relationships to choose from. One relationship is for the 303d list polygons and the other is for 303d list lines. Click on one of them (it won't let you click on more than one at a time). You should then see those water bodies highlighted/selected on the display.
   e. Now click on the other relationship and those water bodies will become highlighted as well.

State Board Contact:
For questions or comments on the GIS files provided for downloading, please contact Stephanie Bucknam at 916-558-1708 (SWRCB), email is: sbucknam@waterboards.ca.gov.