

INFORMATION FOR 2006 303(d) LIST GIS FILES

Disclaimer

The 2006 303(d) List GIS shape files and associated 303(d) list excel tables containing the information shown on the list are provided on this State Water Resources Control Board website for public use. **These GIS representations of the areal extent of affected waters are estimated and should not be considered authoritative for the development of TMDLs (Total Maximum Daily Load) or other regulatory actions.** The TMDL effort may ultimately address more or less areal extent than shown in these GIS files. Mapping the 303(d) listed waters is a work in progress and will be updated during each listing cycle to better define the impacted areas.

California's 303(d) List Structure:

The California 303(d) Listing Policy sets the rules to identify which waters do not meet water quality standards. The Policy distinguishes between three categories of waters that do not meet water quality standards. The categories are (1) waters still requiring a TMDL, and (2) waters where the water quality limited segment is being addressed. Water segments in the "Water Quality Limited Segments Being Addressed" category must meet either of the following conditions:

1. A TMDL has been developed and approved by USEPA and the approved implementation plan is expected to result in full attainment of the standard within a specified time frame; or
2. It has been determined that an existing regulatory program is reasonably expected to result in the attainment of the water quality standard within a reasonable, specified time frame.

Basically, these categories describe the TMDL requirement status for each water body - pollutant combination listed. Together they make up California's entire CWA Section 303(d) list.

2006 303(d) List GIS shapefiles:

Available for download on this webpage are zipped GIS shapefiles for the categories and conditions described above.

In addition there is a zipped file "all303d_06_stwde_.zip" that contains shapefiles for the entire list (i.e., combines all 3 categories/conditions described above).

Each zipped file contains two shapefiles that are **statewide coverages**, one for all linear waters (rivers and streams) and the other for all polygon-type waters (lakes, bays and harbors, estuaries, and wetlands)

Separate shapefiles by Regional Board or water body type are not provided for the 2006 303(d) list. Instead, each shapefile contains attribute information that the user can use to distinguish the Regional Board and water body type of each listed water quality limited segment.

Projection of 2006 303(d) Lists GIS shapefiles:

All the GIS files are in Teale-Albers projection. 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.*

Metadata for the 2006 303(d) List GIS shapefiles:

FGDC metadata for the 2006 303(d) List GIS shapefiles are provided under the link on this webpage “Metadata (FGDC)”

Associating 303(d) List Information with the GIS Shapefiles:

The following tables in excel and dbaseIV formats contain the 2006 303(d) list information for each portion of the 303(d) list. They can be used to link list information to the 303(d) list GIS files. (For example, the tables provide the listed pollutants associated with a certain GIS river feature in the GIS shapefiles). These 303(d) list tables can be linked to the GIS shapefiles by the common field “WBID” (Water body ID). The dbaseIV format is provide because it seems to still work better in GIS programs, even though newer software accepts excel files.

Suggested pollutant and source categories have also 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.

“state_06_303d_tmdlreq_wcat” = this table is the 2006 303(d) list of water quality limited segments requiring TMDLs.

“state_06_303d_bytmdls_wcat” = this table is the 2006 303(d) list of water quality limited segments being addressed by USEPA approved TMDLs.

“state_06_303d_nontmdl_wcat” = this table is the 2006 303(d) list of water quality limited segments being addressed by actions other than TMDLs.

“state_06_303d_combined_wcat” = this table is the 2006 303(d) list with the water quality limited segments: Requiring TMDLs, Being Addressed by USEPA Approved TMDLs, and Being Addressed by Actions Other Than TMDLs (i.e., all three tables above combined). This file was created to provide an easier means of working with the entire 2006 303(d) list. These three TMDL requirements are identified in this table, in the field named "TMDL Requirement Status" with a code number in the field named "TMDL Req Status Code".

Helpful hints:

1. Be sure to use link rather than join when relating the GIS shapefiles and 303(d) list tables, as there is a one to many relationship between them.
2. If you desire to query the 303(d) list for certain pollutants, you may want to delete the source information before you query. This is because there are often many sources for each pollutant.

State Board Contact:

For questions or comments on the GIS files provided for downloading, please contact Nancy Kapellas at (916)-341-5546 (SWRCB).

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