Clean Rivers Program

- Project Administration
- Quality Assurance
- Water Quality Monitoring
- Data Review and Reporting
- Annual Reports
- Public Participation
Clean Rivers Program

- Partners:
  - Guadalupe Blanco River Authority
  - Upper Guadalupe River Authority
  - Wimberley Valley Watershed Association
Water Quality Monitoring Program

- Collected under an approved Quality Assurance Project Plan
  - Trained personnel
  - Specified methods
  - TNI accredited laboratories
  - Quality control objectives
  - Review and verified data
  - Data to SWQMIS
  - Used for assessment of streams
Water Quality Monitoring:

19 sites - Monthly (GBRA)
8 sites - Quarterly (GBRA)
11 sites - Quarterly (UGRA)
2 sites Biological/Habitat/24hr DO – 2x/yr
1 site Metals in Water - 1/yr
8 sites - Quarterly; 1-24-hr DO (WVWA)
## Monitoring Data

Stream assessments – Texas Water Quality Inventory

<table>
<thead>
<tr>
<th>Segment Number</th>
<th>Water Body</th>
<th>Impairment</th>
<th>Concern</th>
</tr>
</thead>
<tbody>
<tr>
<td>1801</td>
<td>Guadalupe River Tidal</td>
<td></td>
<td>Depressed Dissolved Oxygen, Nitrate-Nitrogen</td>
</tr>
<tr>
<td>1802</td>
<td>Guadalupe River below the San Antonio River</td>
<td></td>
<td>Nitrate-Nitrogen</td>
</tr>
<tr>
<td>1803</td>
<td>Guadalupe River below the San Marcos River</td>
<td></td>
<td>Bacteria</td>
</tr>
<tr>
<td>1803A</td>
<td>Elm Creek</td>
<td>Depressed Dissolved Oxygen</td>
<td></td>
</tr>
<tr>
<td>1803B</td>
<td>Sandies Creek</td>
<td>Depressed Dissolved Oxygen; Impaired Macrobenthic and Fish Communities; Bacteria</td>
<td>Impaired Habitat</td>
</tr>
<tr>
<td>1803C</td>
<td>Peach Creek</td>
<td>Depressed Dissolved Oxygen; Bacteria;</td>
<td>Chlorophyl a</td>
</tr>
<tr>
<td>1804A</td>
<td>Geronimo Creek</td>
<td>Bacteria</td>
<td></td>
</tr>
<tr>
<td>1805</td>
<td>Canyon Lake</td>
<td>Mercury in Edible Fish Tissue</td>
<td></td>
</tr>
<tr>
<td>1806</td>
<td>Guadalupe River above Canyon Reservoir</td>
<td>Bacteria</td>
<td>Impaired Habitat</td>
</tr>
<tr>
<td>1806D</td>
<td>Quinian Creek</td>
<td>Bacteria</td>
<td></td>
</tr>
<tr>
<td>1806E</td>
<td>Town Creek</td>
<td>Bacteria</td>
<td>Depressed Dissolved Oxygen</td>
</tr>
<tr>
<td>1810</td>
<td>Plum Creek</td>
<td>Bacteria</td>
<td>Depressed Dissolved Oxygen; Impaired Habitat; Nitrate-Nitrogen; Orthophosphorus; Total Phosphorus</td>
</tr>
<tr>
<td>1811A</td>
<td>Dry Comal Creek</td>
<td>Bacteria</td>
<td></td>
</tr>
<tr>
<td>1813</td>
<td>Upper Blanco River</td>
<td>Depressed Dissolved Oxygen</td>
<td></td>
</tr>
<tr>
<td>1814</td>
<td>Upper San Marcos River</td>
<td>Total Dissolved Solids</td>
<td></td>
</tr>
<tr>
<td>1815</td>
<td>Cypress Creek</td>
<td></td>
<td>Depressed Dissolved Oxygen; Impaired Habitat; Impaired Fish and Macrobenthic Communities</td>
</tr>
</tbody>
</table>

*Bold* text indicates additions as of 2012 assessment.
Monitoring Data

Special studies – Stakeholder concerns
Monitoring Data

Watershed protection plans and implementation – WPPs and TMDLs
Data Reporting

Monthly-quarterly data submittals to TCEQ’s SWQMIS

Posting on GBRA website
Data Reporting

Basin Highlights Report - report of activities

Basin Summary Report – every five years
Stakeholder Input

Annual meeting

Concerns about water quality

Direct program or special studies