

Clean Rivers Program Guadalupe River Basin

2014 Update

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March 26, 2015

Clean Rivers Program

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



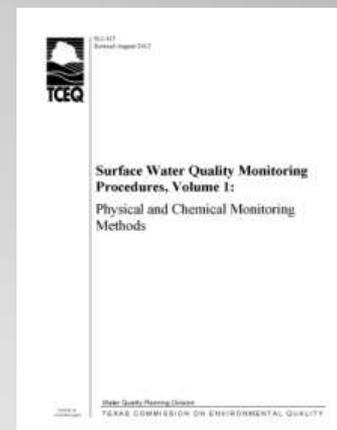
Clean Rivers Program

- Partners:
 - Guadalupe Blanco River Authority
 - Upper Guadalupe River Authority
 - Wimberley Valley Watershed Association

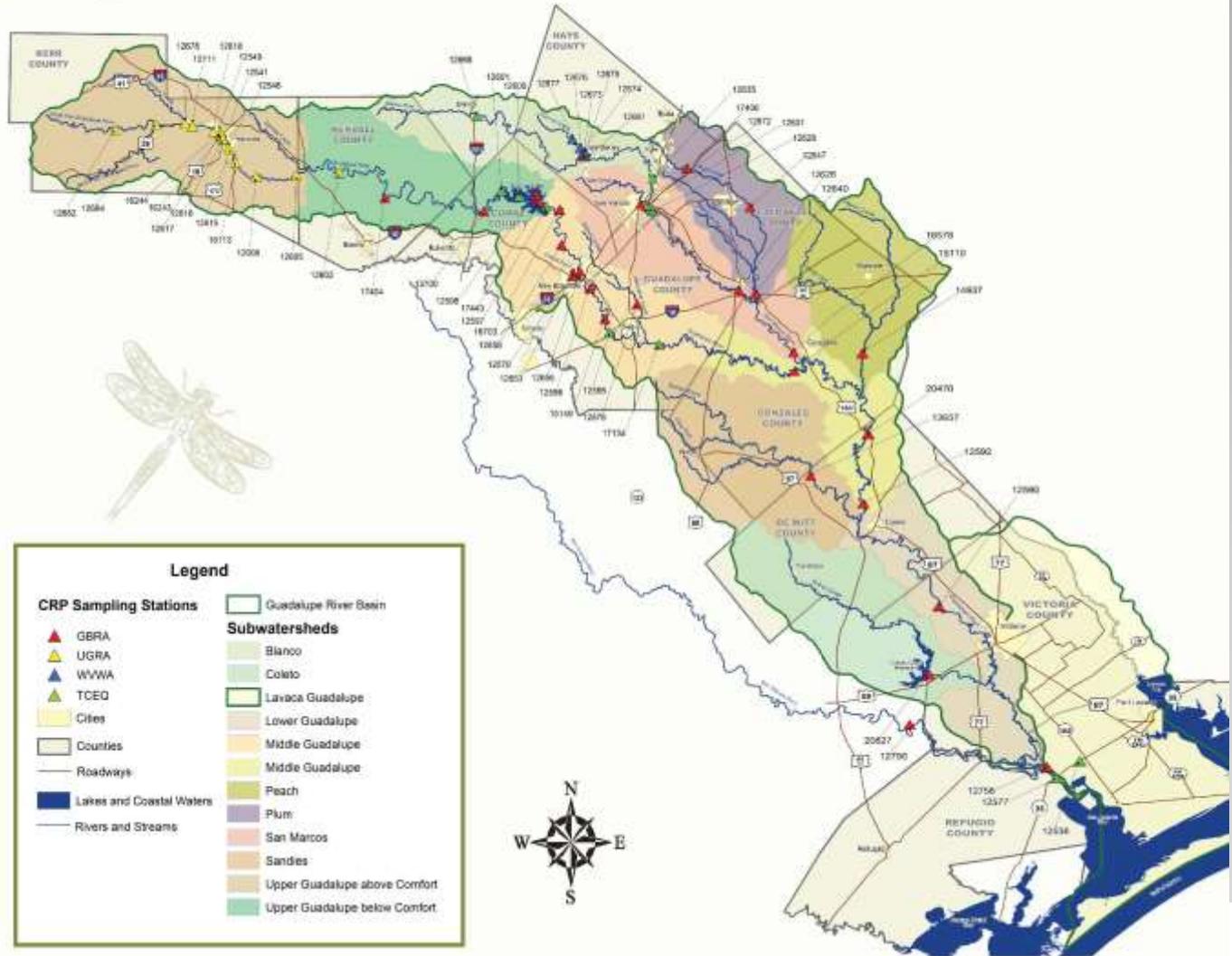


Water Quality Monitoring Program

- 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



Guadalupe River Basin



Water Quality Monitoring

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 - 1x/yr
- 1 site Organics in Sediment - 1x/yr
- 8 sites - Quarterly; 1-24-hr DO(WVWA)

Monitoring Data

Stream assessments – Texas Water Quality Inventory

2014 Texas Water Quality Inventory and 303(d) List (Guadalupe River Basin)

Segment No.	Water Body	Impairment or Concern	Category (if assigned)	Year first listed
1801	Guadalupe River Tidal	Depressed Dissolved Oxygen; Nitrate-Nitrogen	Note 1	2002
1802	Guadalupe River Below San Antonio River	Nitrate-Nitrogen	Note 1	2002
1803	Guadalupe River Below San Marcos River	Nitrate-Nitrogen	Note 1	2014
1803A	Elm Creek	Depressed Dissolved Oxygen; Chlorophyll-a	5b	1999
1803B	Sandies Creek	Depressed Dissolved Oxygen; Impaired Biological Habitat and Impaired Fish and Macroinvertebrate Communities; Bacteria; Chlorophyll-a	5b and 5c	1999
1803C	Peach Creek	Depressed Dissolved Oxygen; Bacteria; Impaired Fish Community; Total Phosphorus and Chlorophyll-a	5b and 5c	2002
1803F	Denton Creek (Tributary of Peach Creek)	Depressed Dissolved Oxygen; Bacteria	Note 2	2010
1803G	Sandy Fork (Tributary of Peach Creek)	Bacteria	Note 2	2010
1804A	Geronimo Creek	Bacteria; Nitrate-Nitrogen	5c	2006
1805	Canyon Lake	Mercury in Edible Fish Tissue; Ammonia	5c	2006
1806	Guadalupe River Above Canyon Reservoir	Impaired Biological Habitat and Macroinvertebrate Community;	Note 1	1999
1806A	Camp Meeting Creek	Depressed Dissolved Oxygen	Note 1	2004
1806D	Quinlan Creek	Bacteria; Depressed Dissolved Oxygen	5a	2010
1806E	Town Creek	Bacteria; Depressed Dissolved Oxygen	5a	2010
1810	Plum Creek	Bacteria; Nitrate-Nitrogen; Total Phosphorus; Depressed Dissolved Oxygen; Impaired Biological Habitat and Macroinvertebrate Community	4b	2004
1811A	Dry Comal Creek	Bacteria	5c	2010
1814	Upper San Marcos River	Total Dissolved Solids	Note 2	2010
1815	Cypress Creek	Depressed Dissolved Oxygen; Impaired Biological Habitat, Macroinvertebrate Community and Fish Community.	Note 1	2010
1818	South Fork Guadalupe River	Depressed Dissolved Oxygen	Note 1	2014

(Assessed using data collected in 12/1/2005 through 11/30/2012)

1 No category assigned if listed for a concern rather than an impairment of a designated use.

2 This impairment was removed from the 2014 Draft 303(d), but this list has not yet been approved by the EPA.

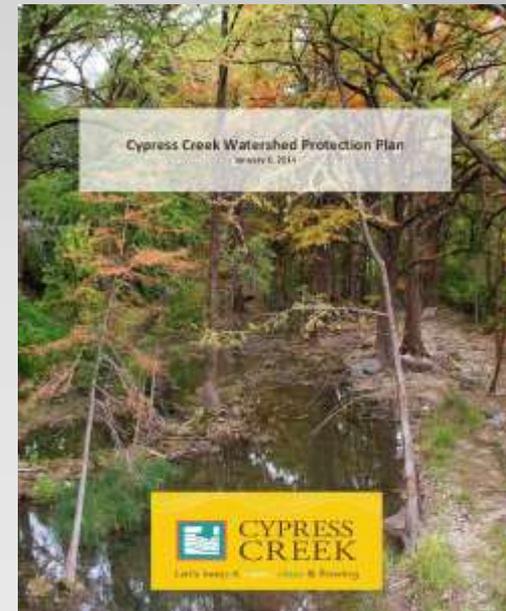
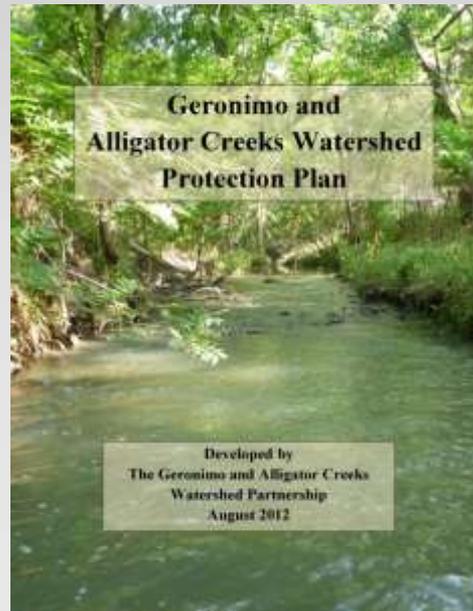
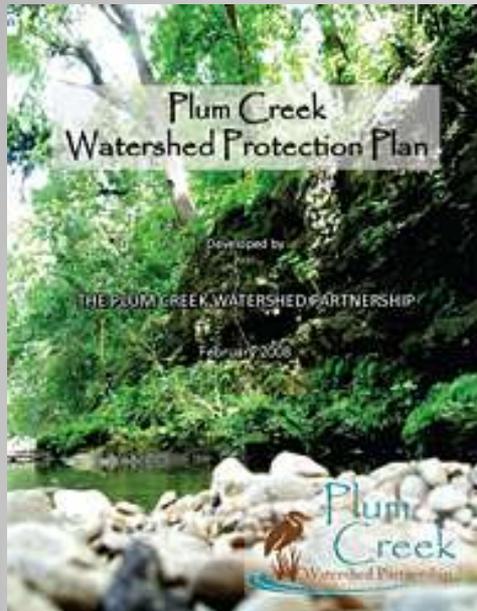
Monitoring Data

Special studies – Stakeholder concerns



Monitoring Data

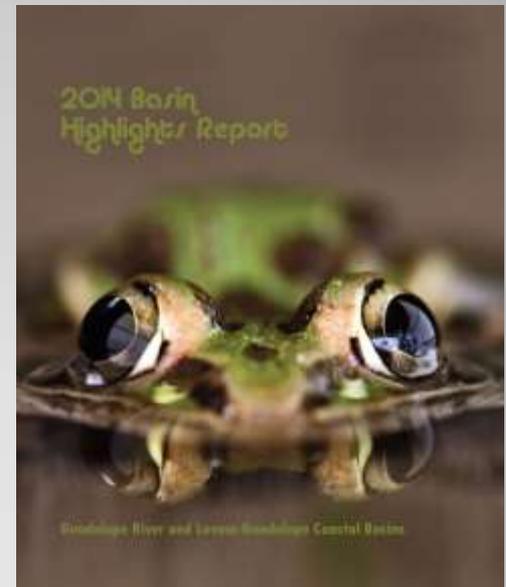
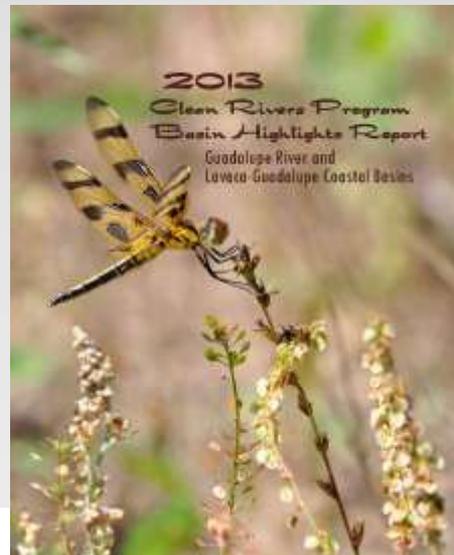
Watershed protection plans and implementation – WPPs and TMDLs



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