

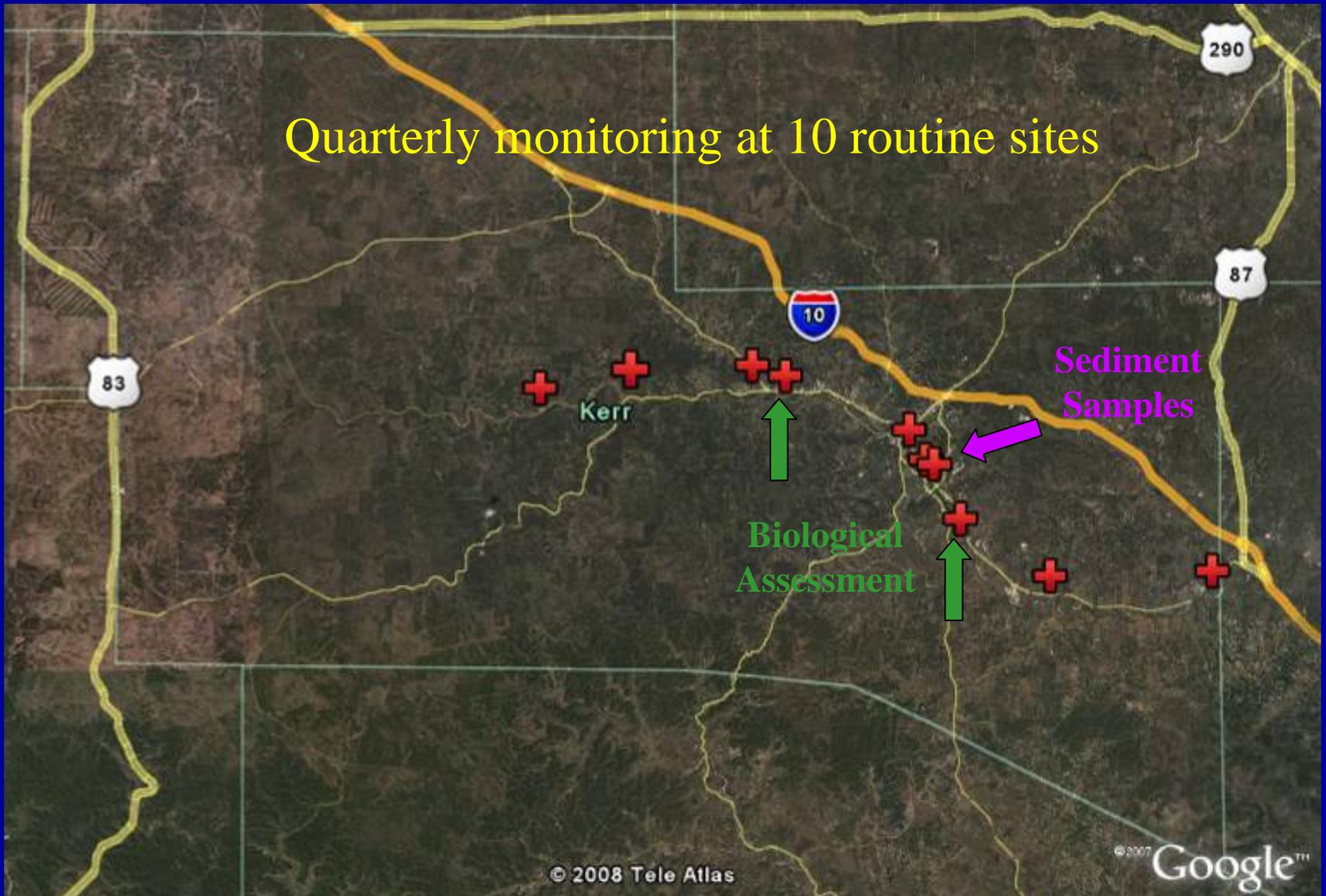
CRP Activities in Kerr County

Tara Bushnoe
Natural Resources Coordinator
UGRA

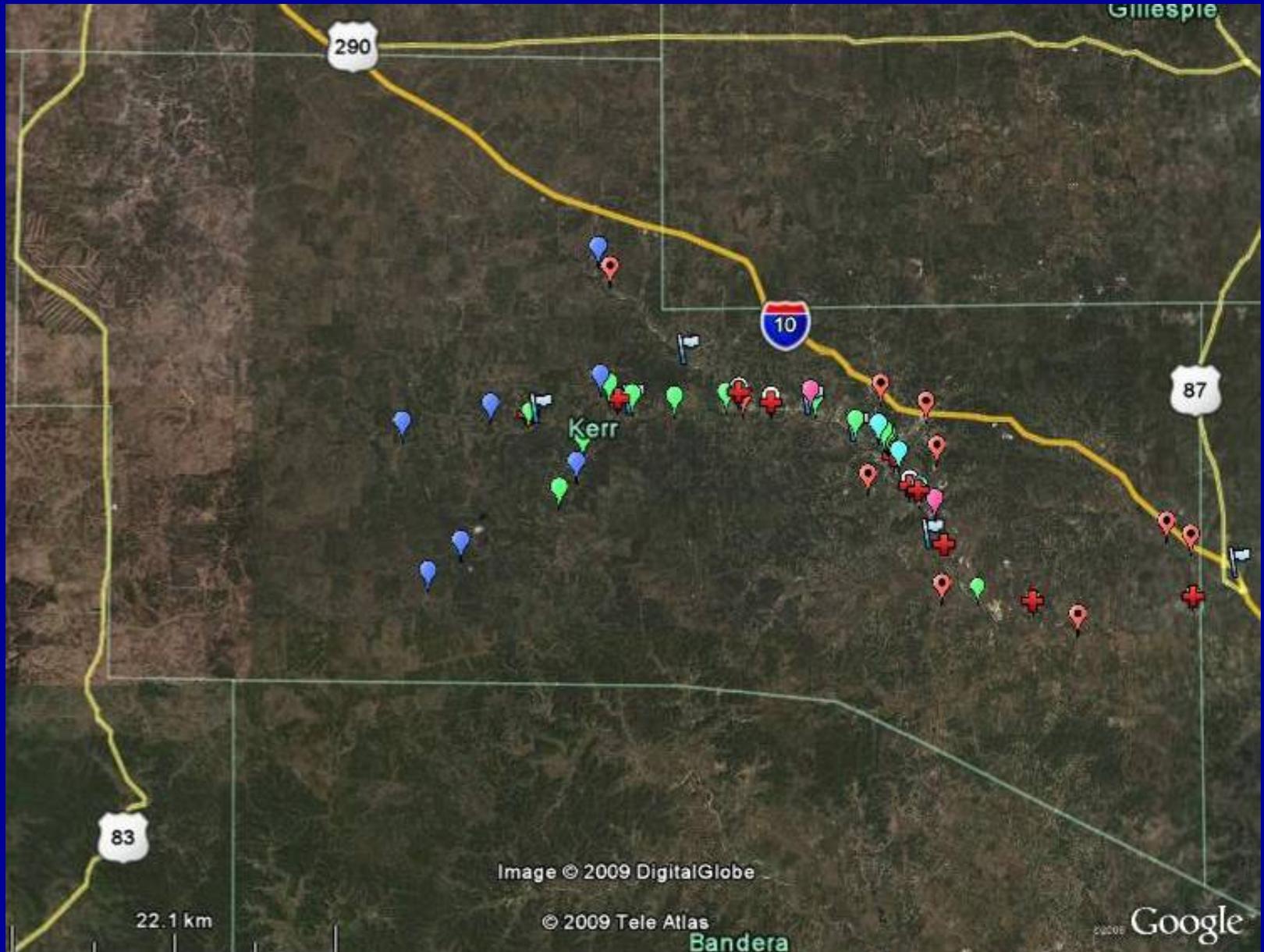


Clean Rivers Program

Quarterly monitoring at 10 routine sites



Routine Monitoring



Outreach Activities

- Volunteer Summer Study
- Classes
- Special Events
- Radio PSAs
- Newspaper articles
- Investigations
- River Clean Up

UGRA River Clean Up

July 24, 2010

Free T-shirts

Free Refreshments

Prizes



Hands-on Activities

Demonstrations





Guadalupe River above Canyon Lake TMDL Implementation Project



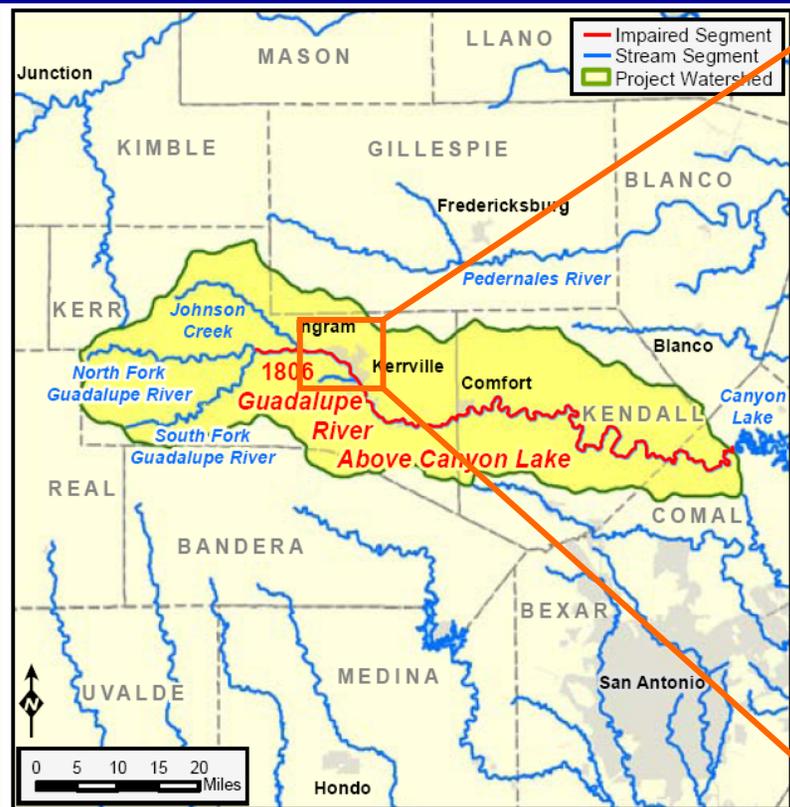
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Guadalupe River above Canyon Lake TMDL

- Bacteria impairment for contact recreation in a 3.5 mile reach of Guadalupe River in Kerrville
- Identified by 2002 Texas Water Quality Inventory
- Placed on 303(d) list in 2002

Impaired Area



Guadalupe River above Canyon Lake TMDL

- TCEQ adopted TMDL in July 2007
- EPA approved TMDL in September 2007
- In 2008 UGRA and TCEQ initiated a three year project to address the impairment

Sampling Results (Seasonal)

Station	July 08 - Sept 08	Oct 08 - Apr 09	May 09 - Sept 09
12618 (UGRA Lake)	6	9	4
16244 (L Hays Park Footbridge)	131	80	165
12617 (L Hays Park, Hwy 16)	216	49	170
16243 (L Hays Park Dam)	129	49	117
12616 (G Street)	82	32	44
12615 (Kerrville Schreiner Park)	106	79	45
Median Flow of Sampling Days (cfs)	41	50	21

- Extremely low flows
- *E. coli* concentrations were generally lower than those from the TMDL study.

Implementation Plan Management Measures

- Reduce bird feeding at public parks
- Install exclusion/deterrent devices on SH 16 and Loop 534 bridges over water
- Manage waterfowl population at public parks
- Reduce human contributions through ongoing lateral sewage line replacement, sewage inspection and rehabilitation, and ongoing septic system plan review and registration

Implementation Plan

Management Measures (con't)

- Implement education program for pet owners and install pet waste stations at public parks
- Education programs for local livestock owners
- Reduce nonpoint source pollution from storm water runoff

Match Requirement

UGRA	Project coordination Water quality monitoring
Kerr County	Assist with education component Establishing OSSF priority area Pet waste installation and maintenance Continued waterfowl management
City of Kerrville	Assist with bird deterrent structure plans Assist with education component Continued waterfowl management Continued storm water pollution reduction
TxDOT	Assist with bird deterrent structure plans Assist with traffic control



The TMDL Implementation Project for the Upper Guadalupe River was financed through grants from the Texas Commission on Environmental Quality

