

**The Guadalupe-Blanco River Trust**  
**Guadalupe River Basin Monitoring Network**

**SEP No. 2011-21**

**Project Description:**

This Project will create real-time monitoring stations within the Guadalupe River Basin to determine existing baseline water quality conditions and monitor for changes. With real time monitoring stations, this Project will identify problems early on and minimize negative effects on the environment and human health.

Third-Party Administrator shall install and monitor two water quality meters to add to the existing network of continuously monitored streams and rivers in the Guadalupe River Basin, one on Lake Placid in Guadalupe County and one at Plum Creek at Heidenreich Lane in Hays County. Third-Party Administrator shall use SEP Funds to purchase equipment, to operate and maintain the equipment, and to collect and transfer data. Data for dissolved oxygen, temperature, pH, specific conductance, turbidity, and flow will be collected at fifteen-minute intervals and will be automatically sent by satellite to TCEQ's website hourly for public viewing. Third-Party Administrator will check the data for quality.

Third-Party Administrator shall ensure that it has permission to conduct water quality monitoring activities at these sites. Monitoring will be conducted under a Quality Assurance Project Plan ("QAPP") that will be approved by TCEQ prior to monitoring activities. All work conducted for this Project must be in addition to and separate from any work conducted by Third-Party Administrator under the Clean Rivers Program.

**Environmental Benefit:**

Fourteen segments in the Guadalupe River Basin have been identified as impaired or having water quality concerns. Installing continuous monitoring stations allow for real-time monitoring in a stream or river segment and development of a baseline for water quality in the area. Data collected may be used for flood control planning, water quality regulation, and detection of water quality events in near real-time. This information will allow stakeholders to take immediate action to remediate problems, minimizing the impact to the environment and human health in the area.

**Eligible Areas and Counties:**

Bastrop, Blanco, Caldwell, Comal, DeWitt, Fayette, Gillespie, Goliad, Gonzales, Guadalupe, Hays, Karnes, Kendall, Kerr, Lavaca, Real, Travis, and Victoria Counties

**Minimum Contribution:**

\$1,000

**Total Project Budget:**

\$101,290