

Applied Research

2013 Completed Applied Research Project: Below are the four Applied Research studies funded for 2013. All were completed by BIO-WEST Incorporated. Provided is the completed report with results.

1. Field vs. Laboratory Study- *This study provided a wealth of information regarding the simulation of field parameters in a laboratory environment as well as the difference between response patterns or trends versus actual results.*
2. pH Drift Study- *The results directly established the bicarbonate utilization potential of six species of aquatic plants within the Comal/San Marcos River systems.*
3. Low-flow effects on native aquatic vegetation/Low-flow threshold evaluation of aquatic vegetation- *The laboratory studies indicated that the four species tested would likely survive short-term exposure to warm-water conditions with relatively low free carbon dioxide.*
4. Low-flow effects on macroinvertebrates (fountain darter food source) - *Established a critical thermal maximum temperature taken directly from the Comal River.*