

## Computer Modeling and Water Quality Data Related Projects

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[http://www.brazos.org/NorthBosque/Attachments/Project-texas\\_phosphorous\\_index.pdf](http://www.brazos.org/NorthBosque/Attachments/Project-texas_phosphorous_index.pdf)

### PROJECT FACT SHEET

**Project Title:** Texas Phosphorous Index

**Project Lead:** [TCE](#)

**Funding Source(s):** TSSWCB

**Project Partner(s):** [TWRI](#) / [USDA-NRCS](#) / [TSSWCB](#) / Texas A&M University

**Project Description:** The Texas Phosphorus Index relies on a number of factors including soil test phosphorus (P), P application rates (organic and inorganic), and timing and method of application as the sources of P and nearness to named stream or other waterway, erosion potential, and runoff potential as the potential transport mechanisms for P. The index has not been thoroughly tested in field conditions. Through field testing with a rainfall simulator, the ability of this tool to predict the potential for P losses can be evaluated and recommendations about ways to improve the index can be developed. Objectives of this project include determining how soil properties affect P movement in the Bosque and Leon River watersheds and improving the ability of the Texas Phosphorus Index to predict the potential for P to be transported from a land management unit.

**Potential Project Benefits:** As the index is refined, the agencies will develop education and outreach programs to teach agricultural technical service providers and producers how to use the index and how to reduce the potential for P runoff.

**Current Project Status:** The index is currently being refined as more data is collected.

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