



TSI H&H Model Enhancements

TSI Subarea Meeting in Burleson, September 22, 2025



Funded by the Texas General Land Office, Community Development Block Grant, Disaster Recovery Program.



Also Funded by the Texas Water Development Board and Texas Department of Transportation.

Model Enhancements - Hydrology

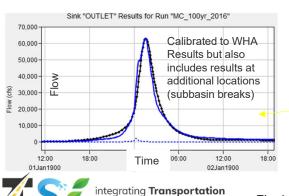
InFRM Watershed Hydrology Assessments are being enhanced.

Enhancements include:

- Additional subbasins
- Future land use
- Future valley storage

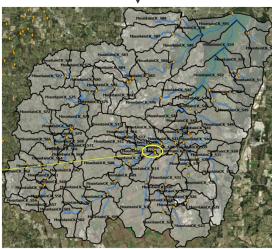
Progress includes:

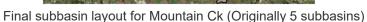
- Mary's Creek Completed
- Mountain Creek Completed
- Village Creek Completed
- Clear Fork Underway
- · West Fork Underway

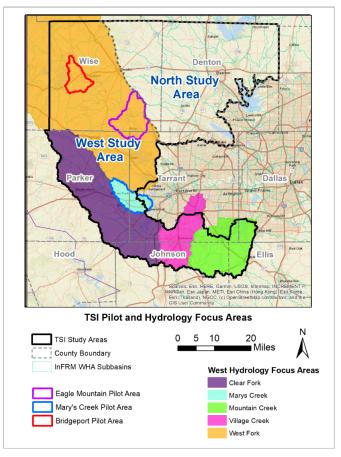


& Stormwater Infrastructure







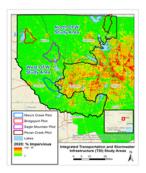


Model Enhancements - Hydrology

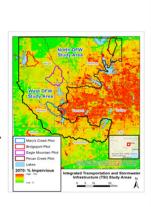
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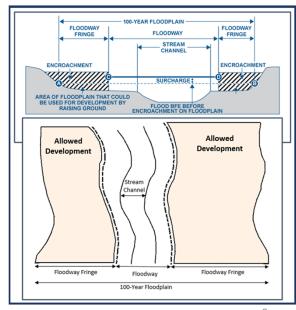
- Additional subbasins
- Future land use
- Future valley storage













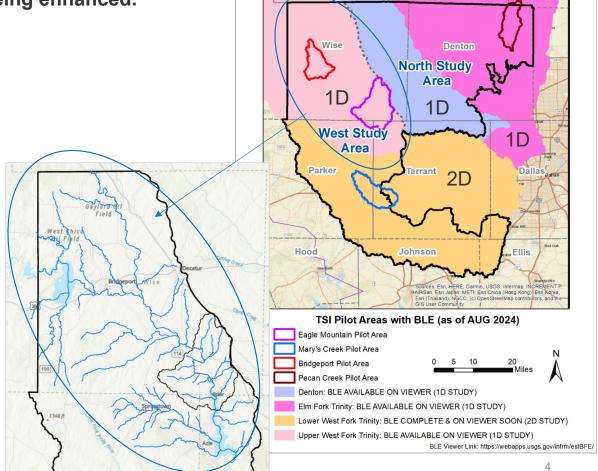
Base Level Engineering (BLE) models are being enhanced.

Enhancements include:

- Addition of TxDOT Bridges
- Future discharges
- Other enhancements
- 50+ streams

Progress includes:

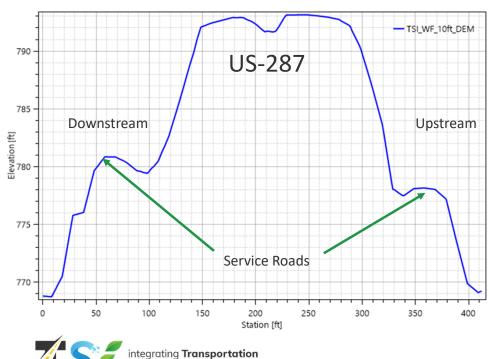
- 14 model enhancements completed
- 16 models substantially completed (need future flows)
- 1D and 2D model enhancements underway
- Coordinating 2D Future Valley Storage Approach with FNI





Addition of TxDOT Bridges/Embankments

BLE – Does not include railroad/roadway crossings







Addition of TxDOT Bridges/Embankments

- BLE Does not include railroad/roadway crossings
- 500-year elevation increased 10 feet

