



***Update from the Brazos River Basin
and Bay Expert Science Team***



Purpose

- **Senate Bill 3 and House Bill 3 set out a new regulatory system for protecting environmental flows**
- **Consensus-based regional approach involving a balanced representation of stakeholders**
- **Each river basin has as Science Team and Stakeholder Group**





Science Team

- **Recommend an environmental flow regimes that will protect a sound ecological environment**
- **Recommendations shall be based solely on best available science**
- **Recommendations submitted to Stakeholder Group and TCEQ on March 1, 2012**



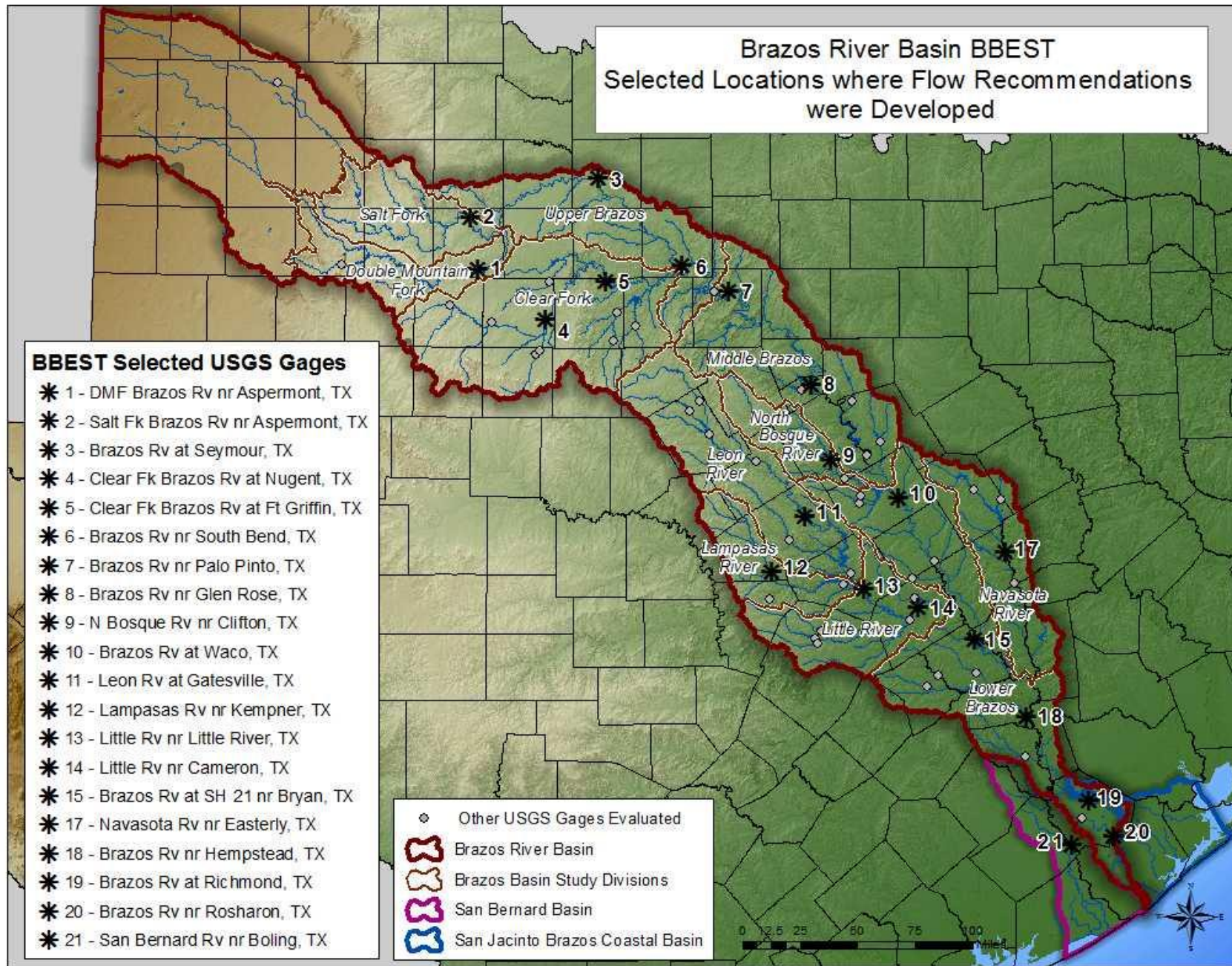


Brazos River Basin BBEST Selected Locations where Flow Recommendations were Developed

BBEST Selected USGS Gages

- * 1 - DMF Brazos Rv nr Aspermont, TX
- * 2 - Salt Fk Brazos Rv nr Aspermont, TX
- * 3 - Brazos Rv at Seymour, TX
- * 4 - Clear Fk Brazos Rv at Nugent, TX
- * 5 - Clear Fk Brazos Rv at Ft Griffin, TX
- * 6 - Brazos Rv nr South Bend, TX
- * 7 - Brazos Rv nr Palo Pinto, TX
- * 8 - Brazos Rv nr Glen Rose, TX
- * 9 - N Bosque Rv nr Clifton, TX
- * 10 - Brazos Rv at Waco, TX
- * 11 - Leon Rv at Gatesville, TX
- * 12 - Lampasas Rv nr Kempner, TX
- * 13 - Little Rv nr Little River, TX
- * 14 - Little Rv nr Cameron, TX
- * 15 - Brazos Rv at SH 21 nr Bryan, TX
- * 17 - Navasota Rv nr Easterly, TX
- * 18 - Brazos Rv nr Hempstead, TX
- * 19 - Brazos Rv at Richmond, TX
- * 20 - Brazos Rv nr Rosharon, TX
- * 21 - San Bernard Rv nr Boling, TX

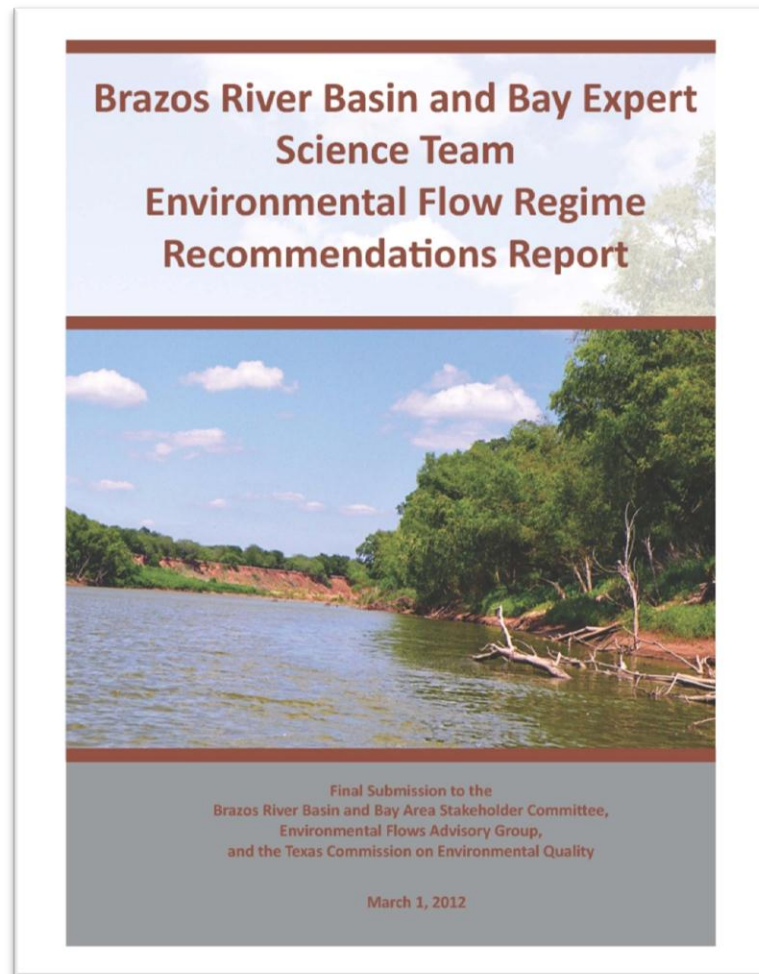
- ◊ Other USGS Gages Evaluated
- Brazos River Basin
- Brazos Basin Study Divisions
- San Bernard Basin
- San Jacinto Brazos Coastal Basin





BBEST Report

- http://www.tceq.texas.gov/permitting/water_supply/water_rights/eflows/brazos-river-and-associated-bay-and-estuary-system-stakeholder-committee-and-expert-science-team





Stakeholder Group

- **Stakeholder Group balances the environmental needs recommend by BBEST with human demand and submits a recommendation to TCEQ**
- **Recommendations submitted to TCEQ on September 1, 2012**





BBASC Recommendations

- **Made recommendations at all BBEST locations**
- **No overbank flows recommended**
- **Adopted BBEST recommended subsistence and base flows**
- **Adopted BBEST recommended 50% rule**
- **High flow pulse (HFP) recommendations varied by season and by location**
- **Unable to develop consensus on HFPs for the three uppermost gages**



BBASC Report

- http://www.tceq.state.tx.us/assets/public/permitting/water_supply/water_rights/eflows/brazos_bbasc_report_8_22_2012_bbasc.pdf

**BRAZOS RIVER AND ASSOCIATED BAY AND
ESTUARY SYSTEM BASIN AND BAY AREA
STAKEHOLDERS COMMITTEE**

**ENVIRONMENTAL FLOW STANDARDS AND STRATEGIES
RECOMMENDATIONS REPORT**





BBASC Work Plan

- **Establish period review of environmental flows**
- **Prescribe monitoring**
- **Schedule for validation/ refinement of recommendations**





Regulation Schedule

- **TCEQ originally to adopt regulations for Brazos Basin – September 1, 2013**
- **Postponed until March 2014**
- **Brazos is lumped with Rio Grande and Nueces in rulemaking schedule**
- **Delays in Rio Grande**

