

Geographic Scope of Instream Flow Recommendations

**Prepared For:
Texas Environmental Flows Science
Advisory Committee**

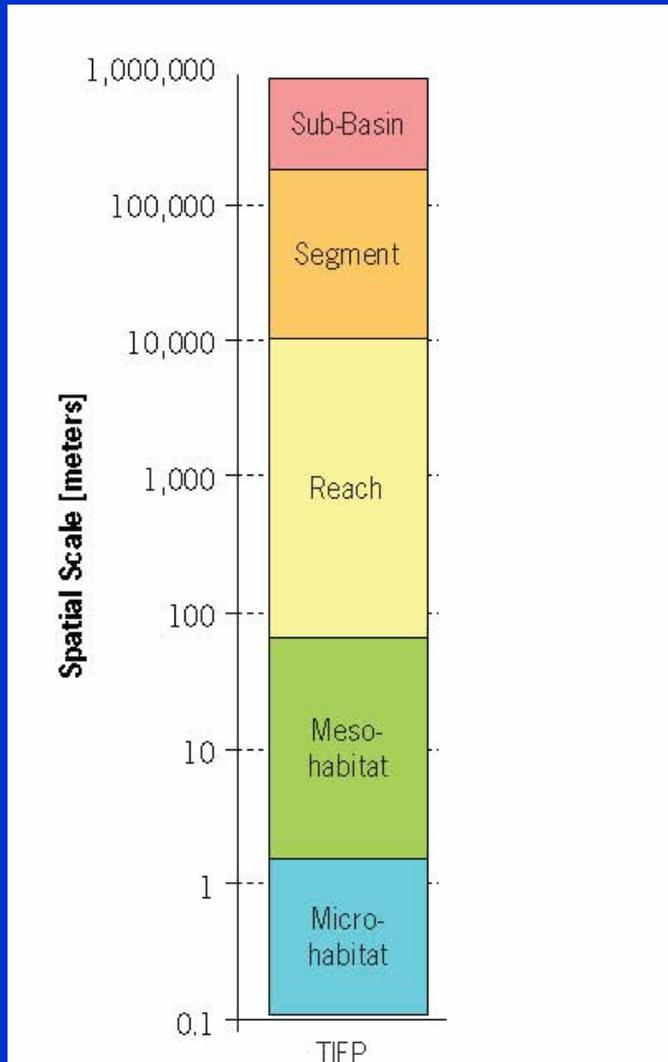
**Prepared By:
Texas Commission on Environmental Quality
January 7, 2009**



Topics

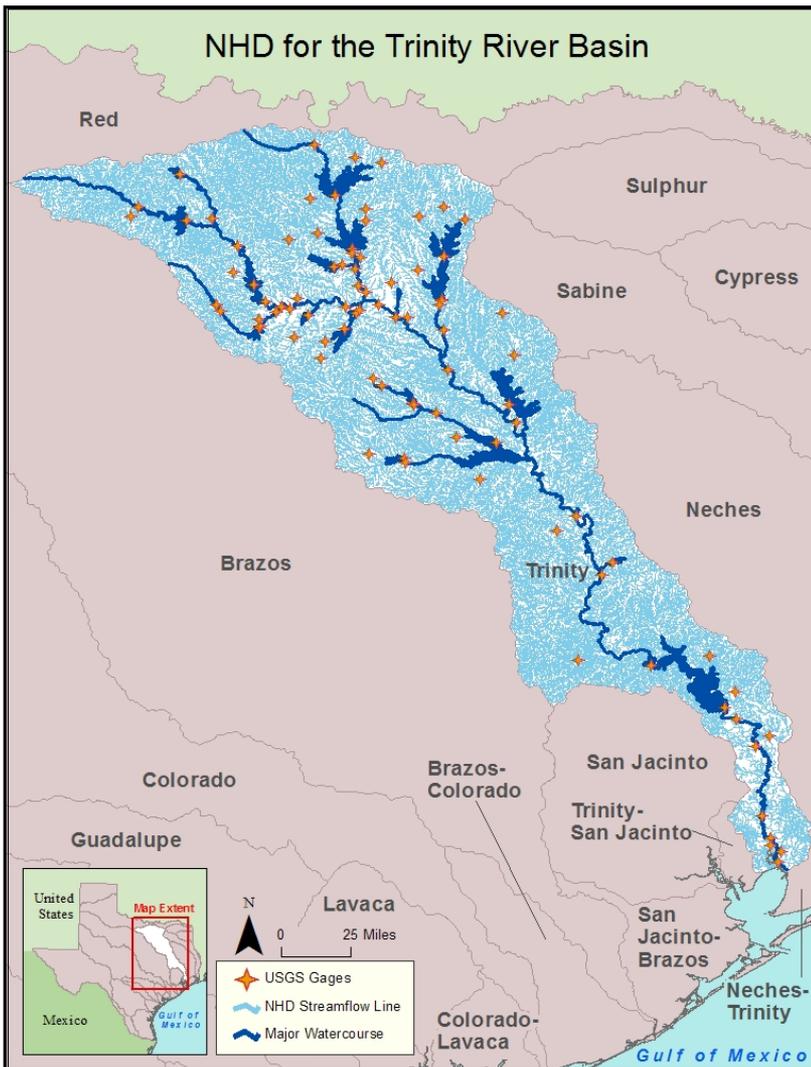
- **SB 2 Spatial Scale Units**
- **Other Options**
- **Example Application**

TIFP Spatial Scale Units



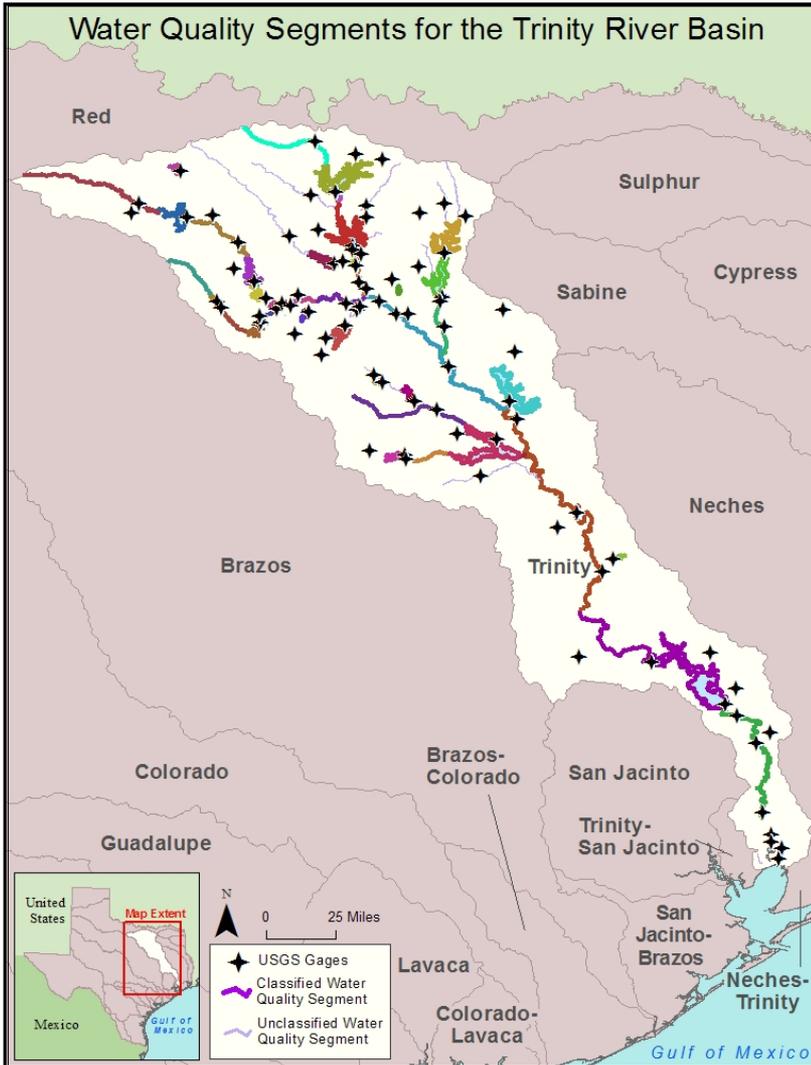
- Promote consistent nomenclature for SB 2 studies
- Limited information available for most scales at this time
- Limited correlation between larger scales and USGS gage locations

National Hydrography Data Set (NHD)



- Consistent with state watercourses
- Data can be linked to line coverages
- Very dense stream networks

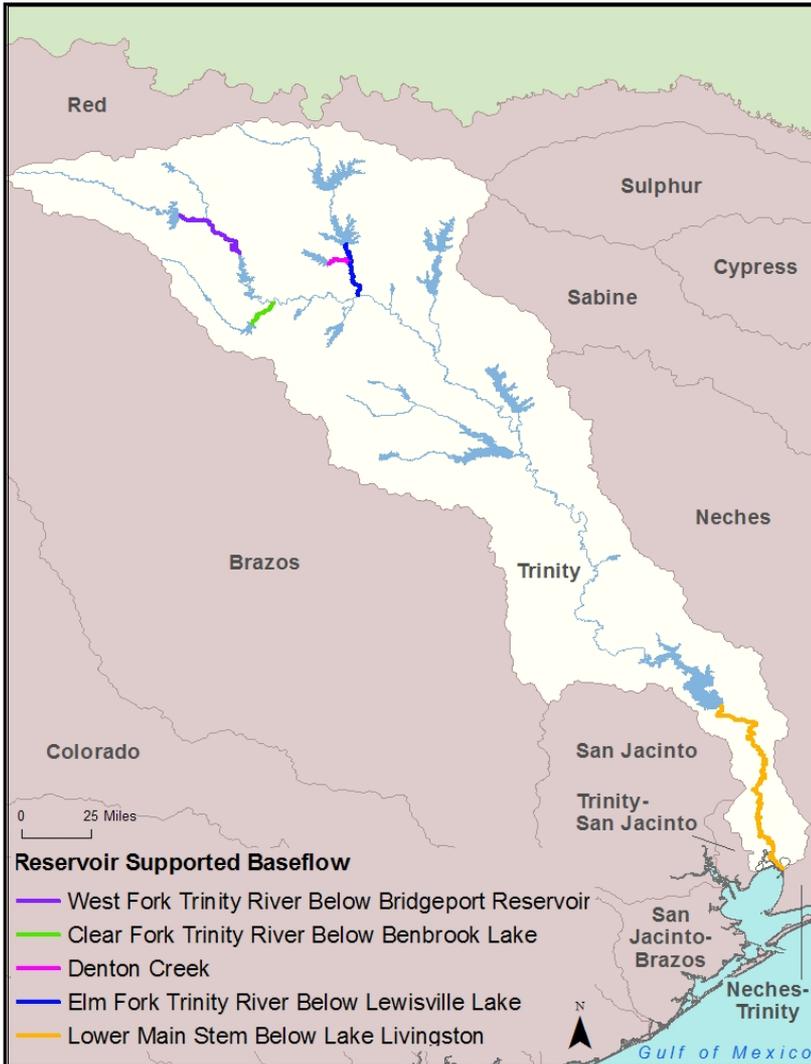
TCEQ Classified Stream Segments



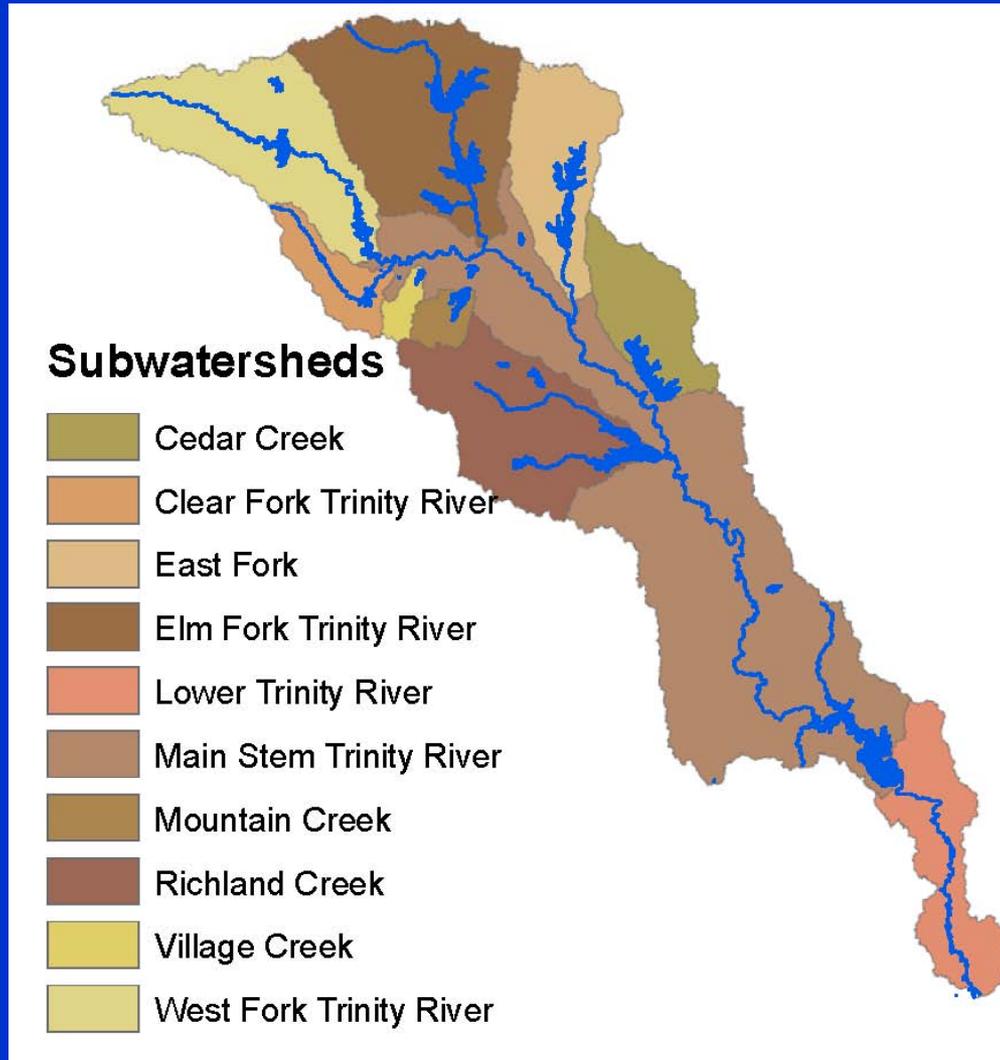
- Assignment of segments has some basis in geographic and hydrologic diversity
- Not all segments may be applicable for SB 3 analysis (ex. segments within reservoirs)

Example Application: Trinity Basin

- **General Description**
 - **Effluent dominated Streams**
 - **Reservoir release dominated streams**
 - **Intermittent Streams**
 - **Perennial Streams**

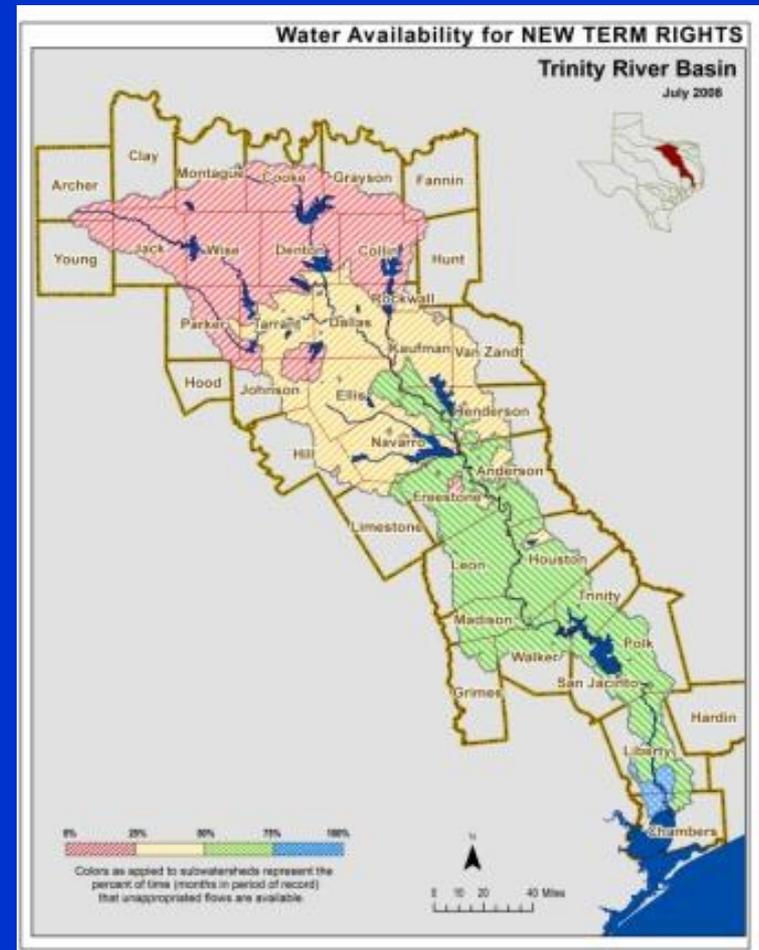
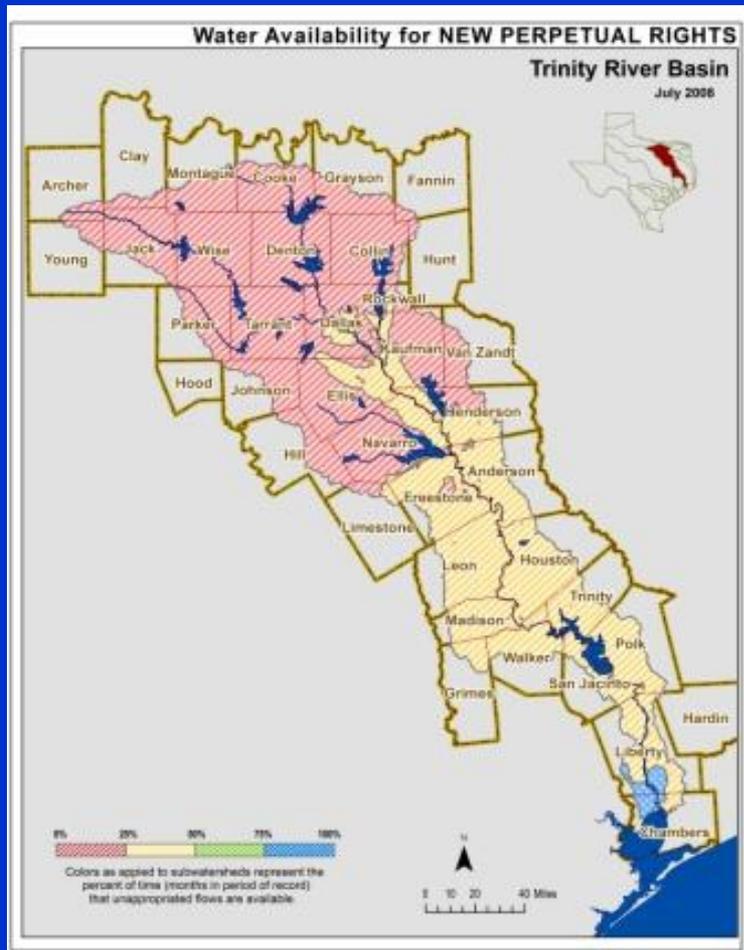


Trinity River Basin Subwatersheds

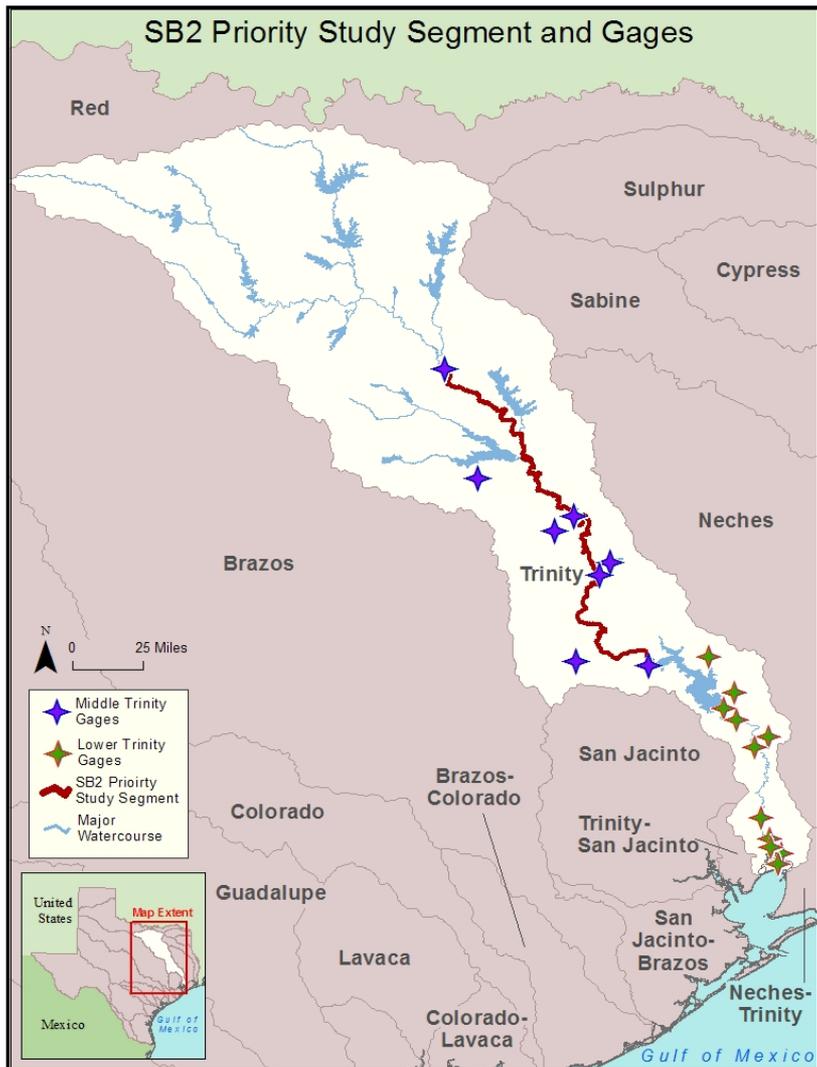


(Adapted from TRA. [Trinity River Basin Master Plan](#). 2007, p. 22)

General Water Availability



Determining Geographic Scope



- Water Quality Segments
- Water Availability
- USGS Gages
- Intervening Watershed
- Bay and Estuary Inflows

Questions?