



BBEST Update

25 October 2011



Report Development Status

- **Table of Contents Developed**
 - **Sections assigned to BBEST members**
- **Draft Sections due December 15, 2011**
- **TWRI edit for consistency, format and print**
- **Submit to TCEQ on March 1, 2012**



Recommendations/Analysis Complete

- **Period of Record**
- **Sound Ecological Environment**
- **Seasons**
- **Subsistence Flows**
- **Water Quality**
- **Land Use**
- **Watershed Overview**
- **Macroinvertebrates**





Recommendations/Analysis In Progress

- **Fish**
- **Riparian Ecology**
- **Hydrologic Condition**
- **Estuary**
- **Flow Regime**
- **Geomorphology**
- **Research Priorities**
- **Implementation Rules**

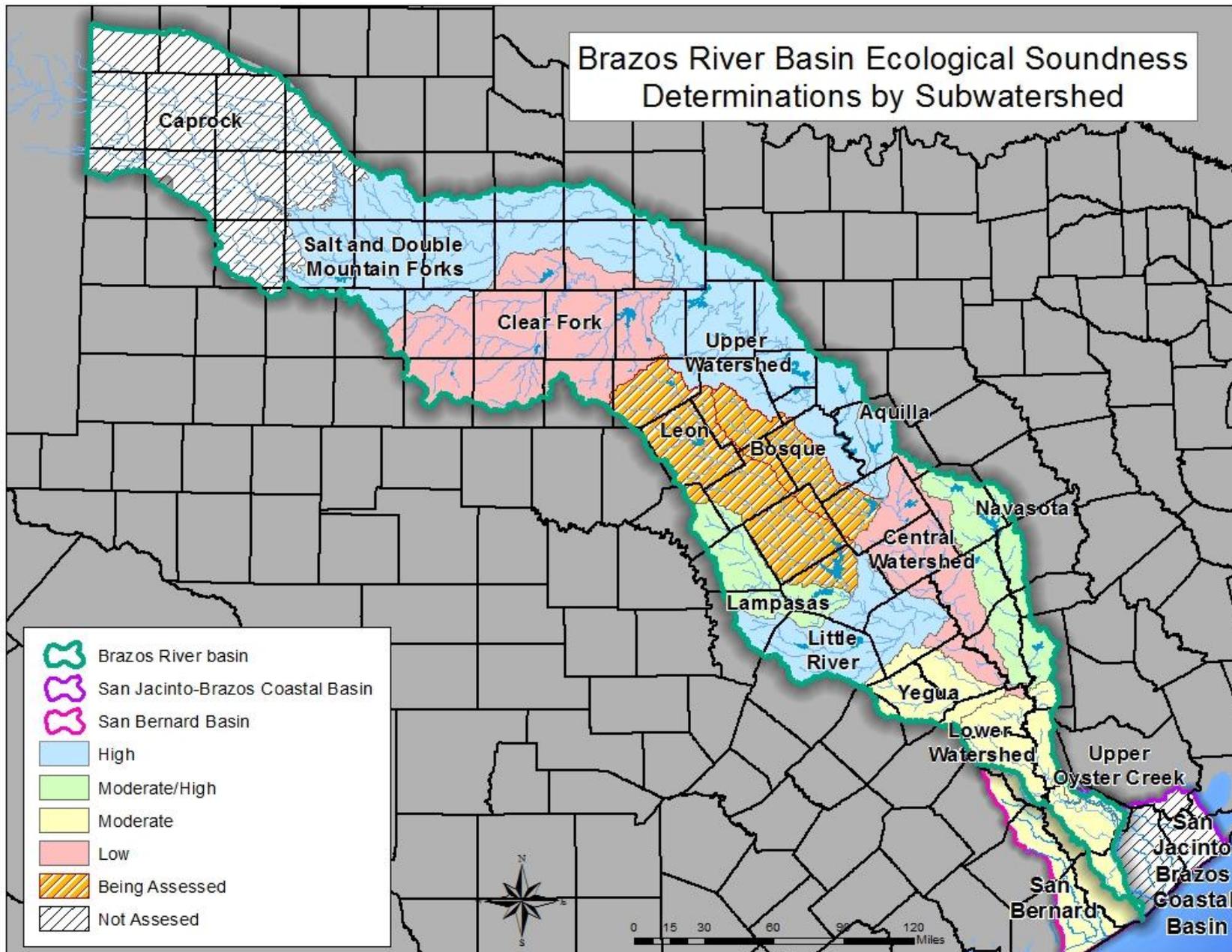




Fish Habitat Guilds

- **Framework to link fish with their physical habitat needs**
- **Identified focal species for each habitat guild**
 - **Deep Pool**
 - **Shallow Pool**
 - **Shallow Run**
 - **Deep Run**
 - **Riffle**







Preliminary Flow Recommendations

- **Subsistence**
- **Base Flow – Three Levels**
- **High Flow Pulses (HFP)**
 - HEFR generates five tiers of HFPs
 - BBEST is recommending removal of “Two/year HFP” Tier because redundant to the “One/season” HFP Tier
 - Four Tiers of HFPs still being evaluated
- **Overbank Flows**



Hydrologic Condition

- **Decision on how to determine hydrologic condition still being addressed**
- **Options Investigated**
 - **Palmer Hydrologic Drought Index by subwatershed**
 - **Reservoir Condition**
 - **Combination of Palmer Hydrologic Drought Index and Reservoirs Condition**
 - **Hydrology Statistics**
 - **Wet - 75th percentile of historical flow**
 - **Normal - 25th-75th percentile of historical flow**
 - **Dry – 25th percentile of historical flow**