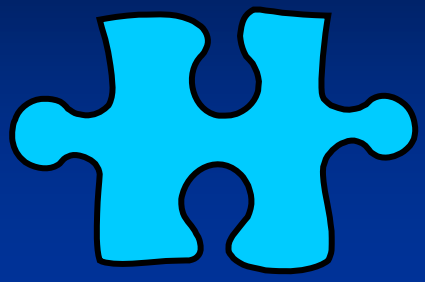
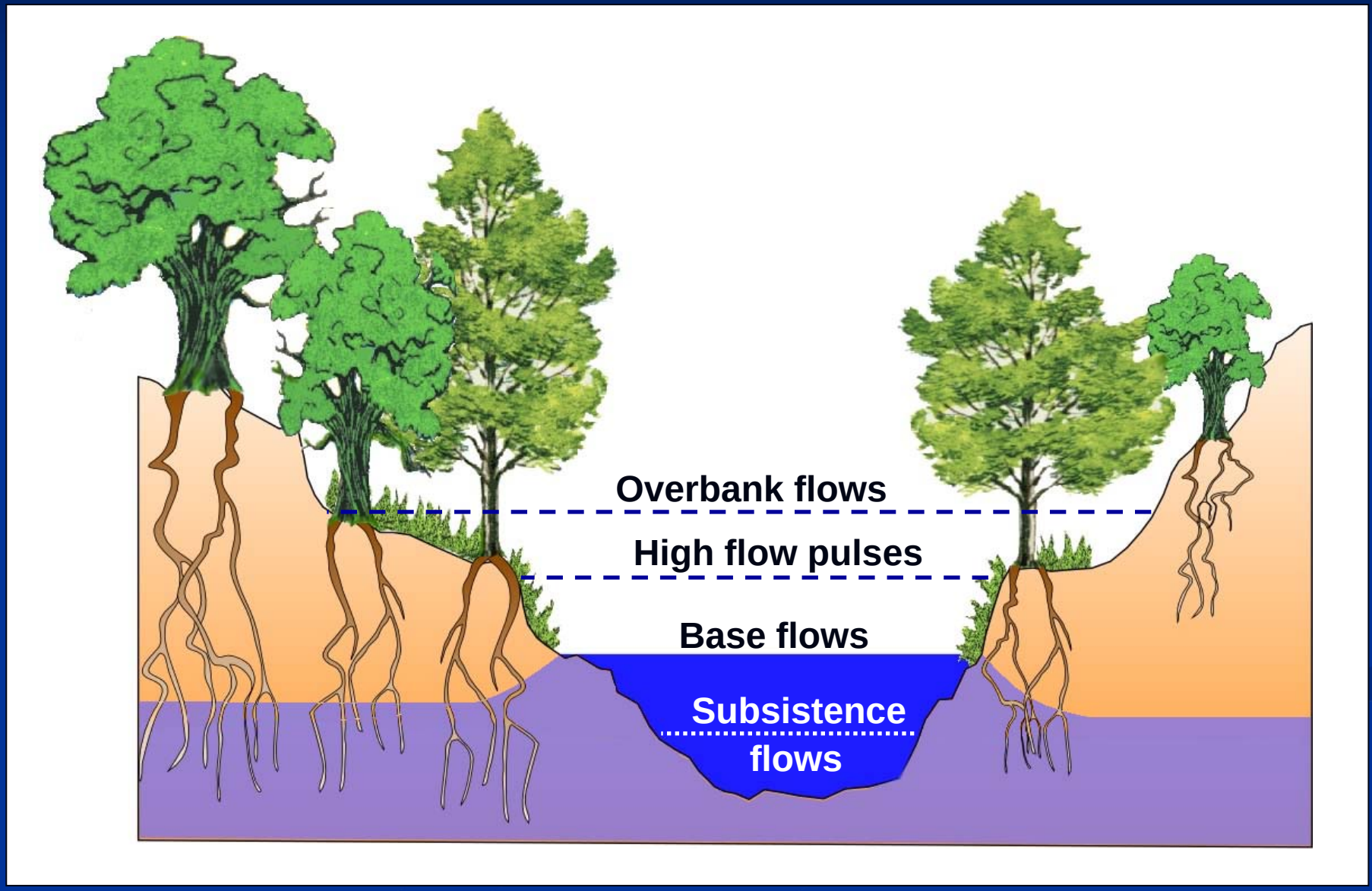
Statewide Objective



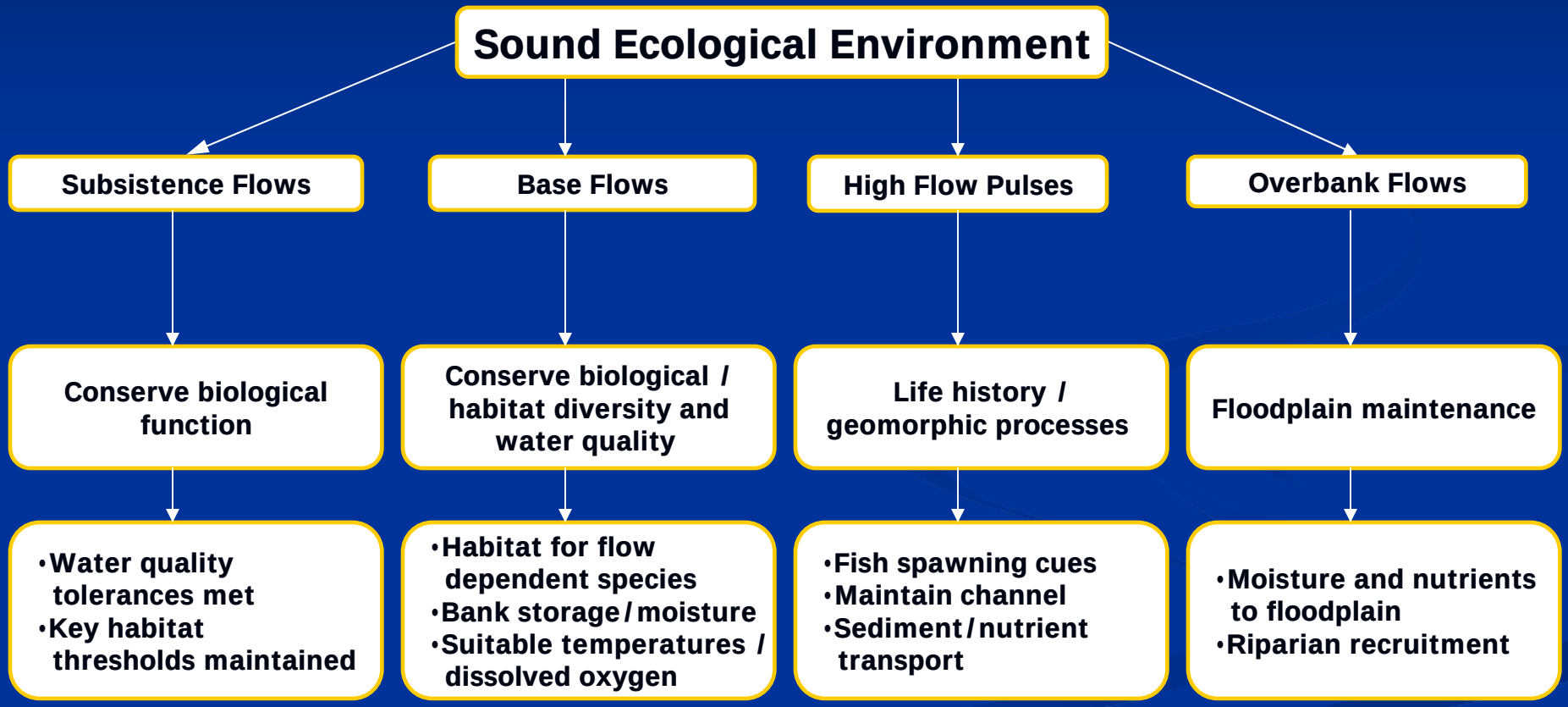
Hydrology & Hydraulics

- Characterize system hydrology and hydraulics

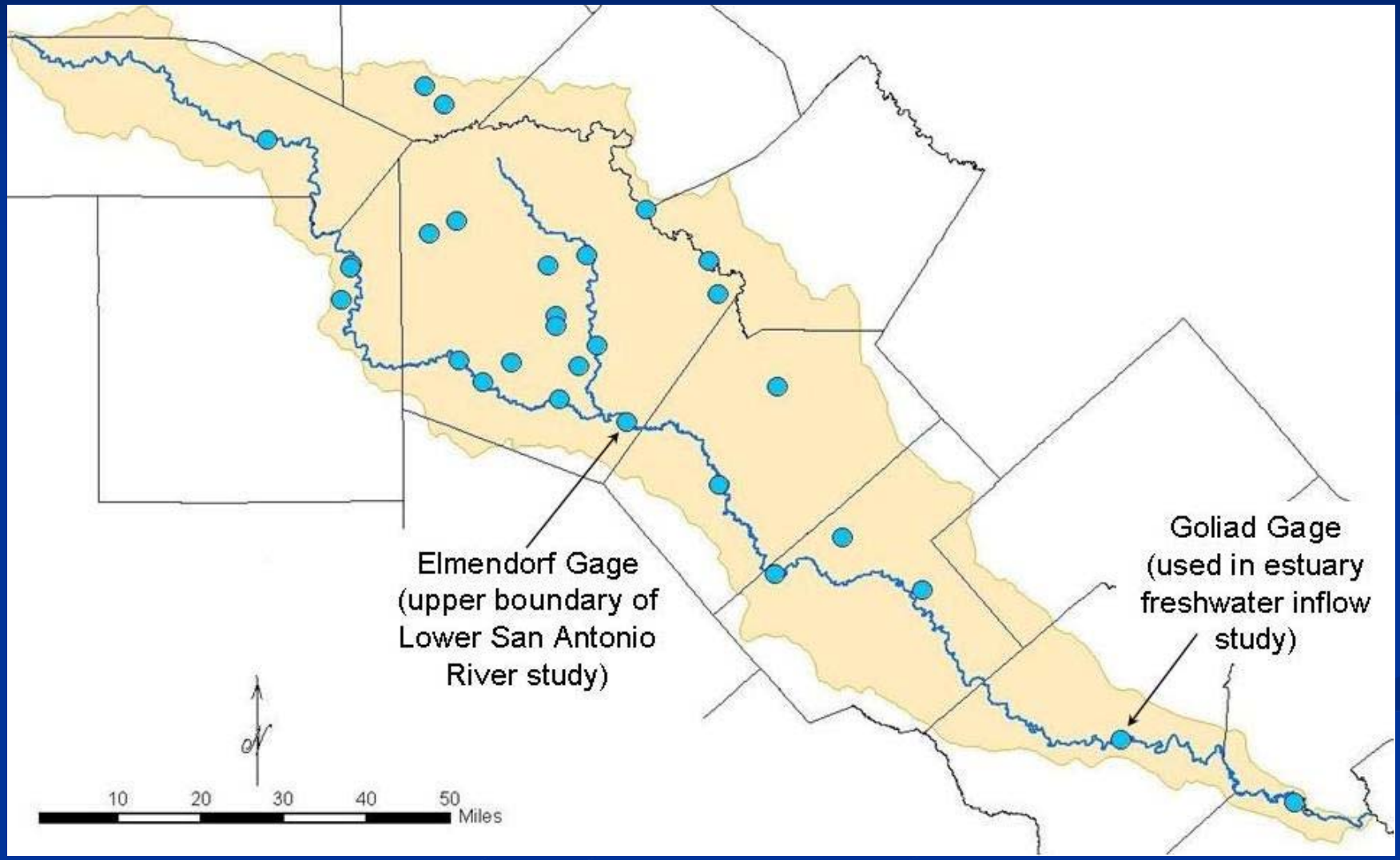
Statewide Conceptual Model



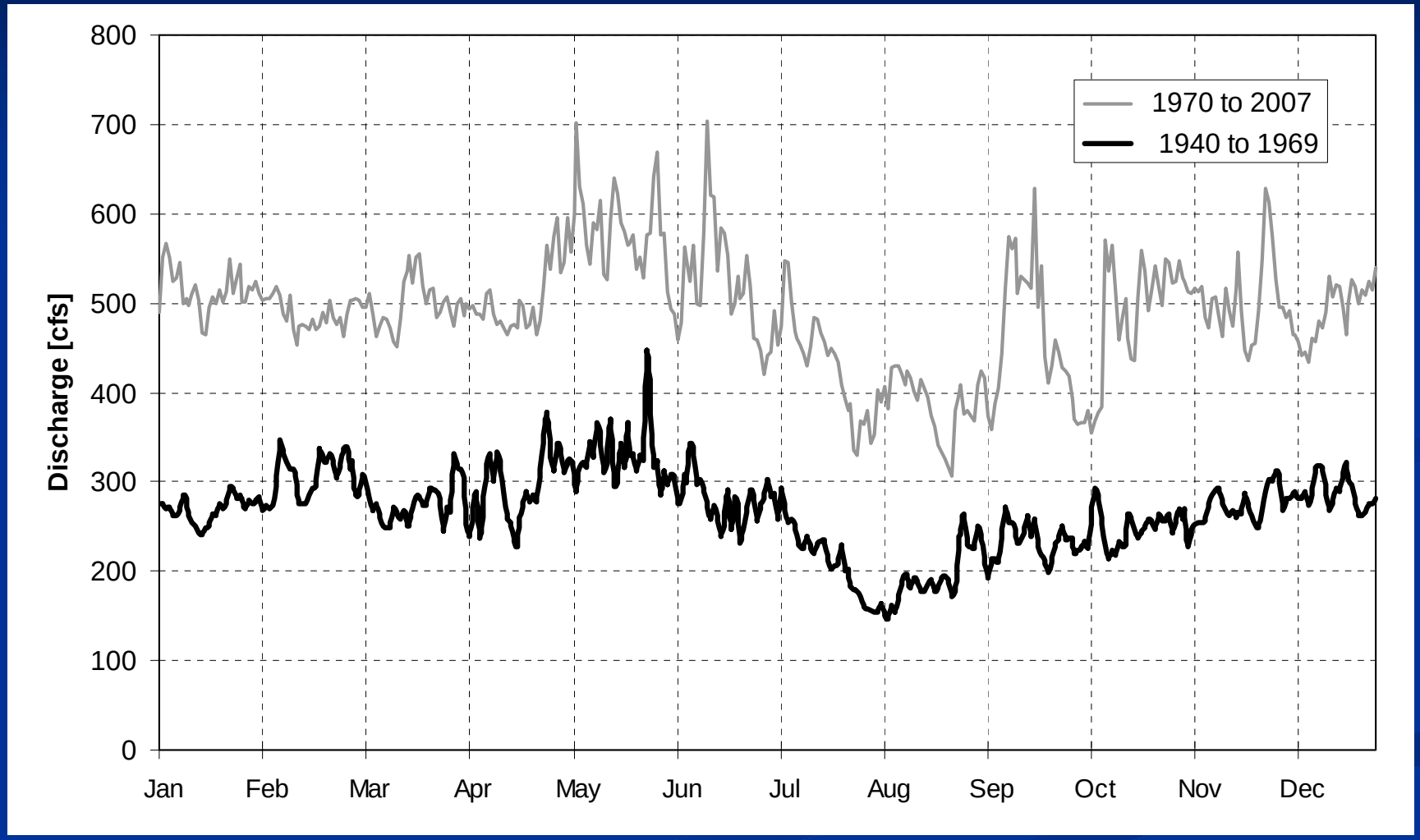
Simple Conceptual Model



USGS Streamgaging Data

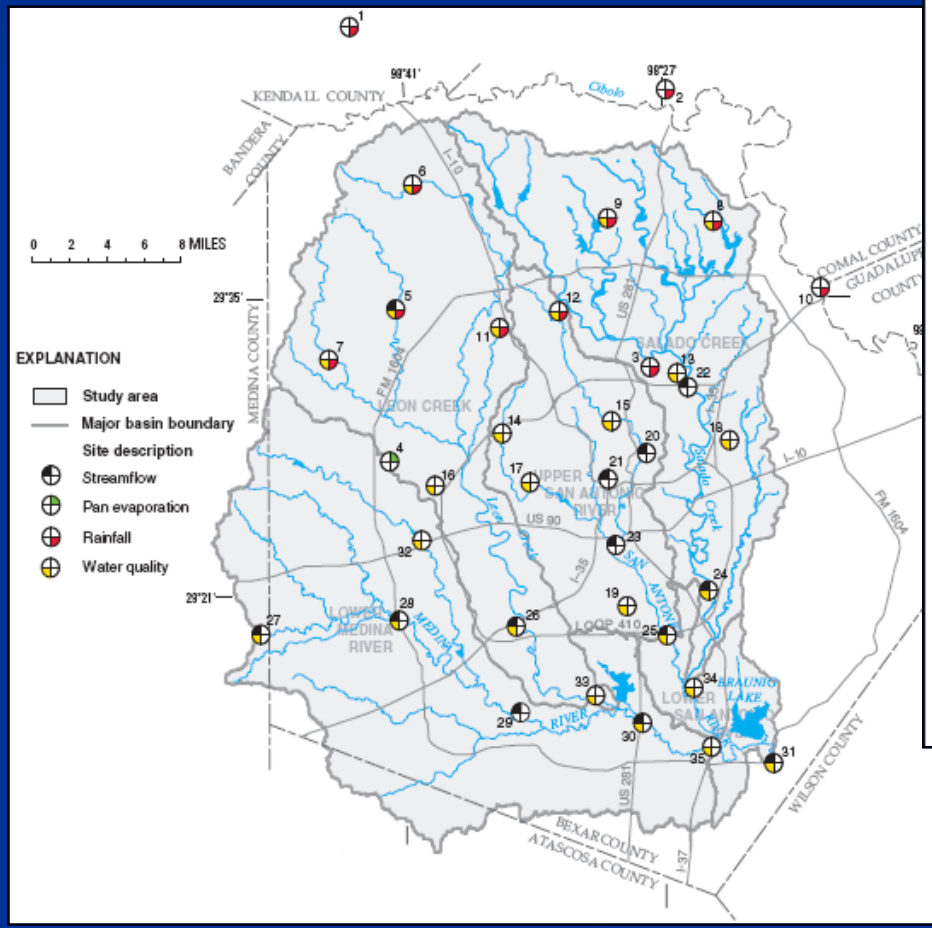


USGS Streamgaging Data



Median of daily discharge values
USGS gage #08188500, San Antonio River at Goliad

Hydrologic (& Water Quality) Connectivity with Upper Basin



USGS
science for a changing world

In cooperation with the San Antonio Water System

Simulation of Streamflow and Estimation of Streamflow Constituent Loads in the San Antonio River Watershed, Bexar County, Texas, 1997–2001

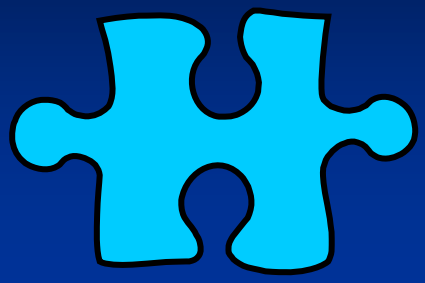
Water-Resources Investigations Report 03–4030

U.S. Department of the Interior
U.S. Geological Survey

USGS
2002

Lower San Antonio River System

Objectives
Hydrology & Hydraulics



- Develop a flow regime that sustains ecological processes throughout the system
  - Determine components of the flow regime and their characteristics (frequency, timing, duration, rate of change, magnitude) that support study objectives from other disciplines
  - Determine the natural variability of flow component characteristics
- Evaluate water losses and gains throughout the system