

Colorado Lavaca BBEST

Draft Hydrologic Analysis

Steps

1. Assemble daily flow data
 - a. Period of Record (including data gaps)
 - b. Date of upstream reservoir impoundment
 - c. Full period of record for all sites.
 - d. Pre and Post for (Ballinger, Paint Rock, CR @ San Saba, Austin, Bastrop, Columbus)
2. Baseflow separation
Simple threshold approach all flows lower than 75th percentile (based on full period of record) are considered base flows all flow above are considered high flows.
3. HEFR
 - a. Seasons - Winter (Dec-Feb), Spring (Mar-May), Sumer (Jun-Aug), Fall (Sep-Nov)
 - b. Subsistence - Q95
 - c. Base - Low -25th, Med-50th, High -75th
 - d. High Flow Pulses - Frequency Approach with Multi-Peaks Multiplier.
1per5yr, 1per2yr, 1per1yr, 1perSeason, 2perSeason
4. Checks
 - a. Subsistence vs 7Q2