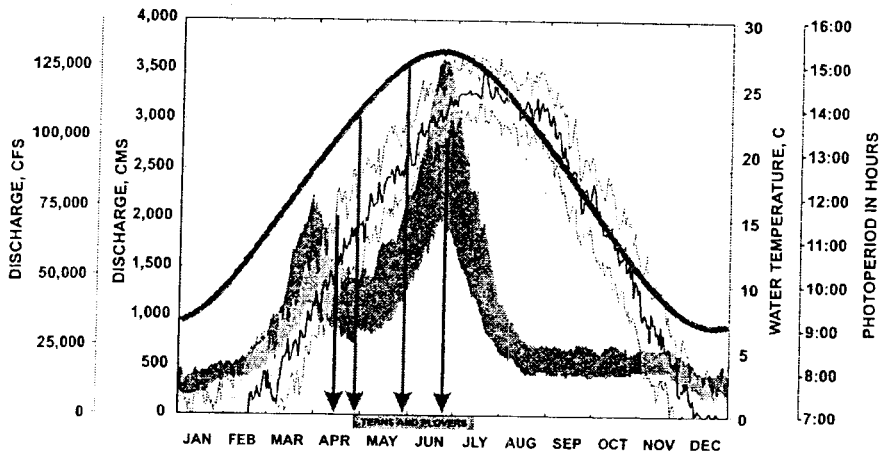


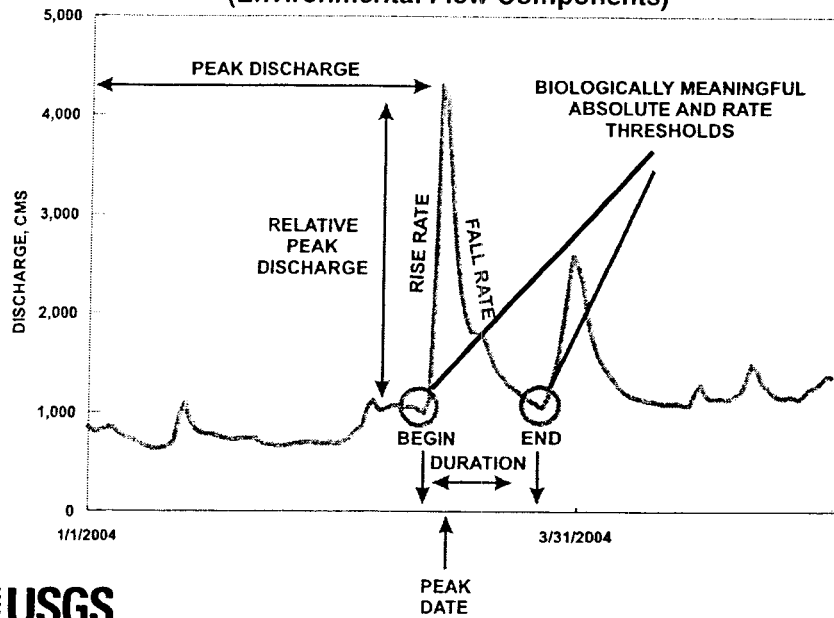
## Estimates of Sturgeon Spawning Window



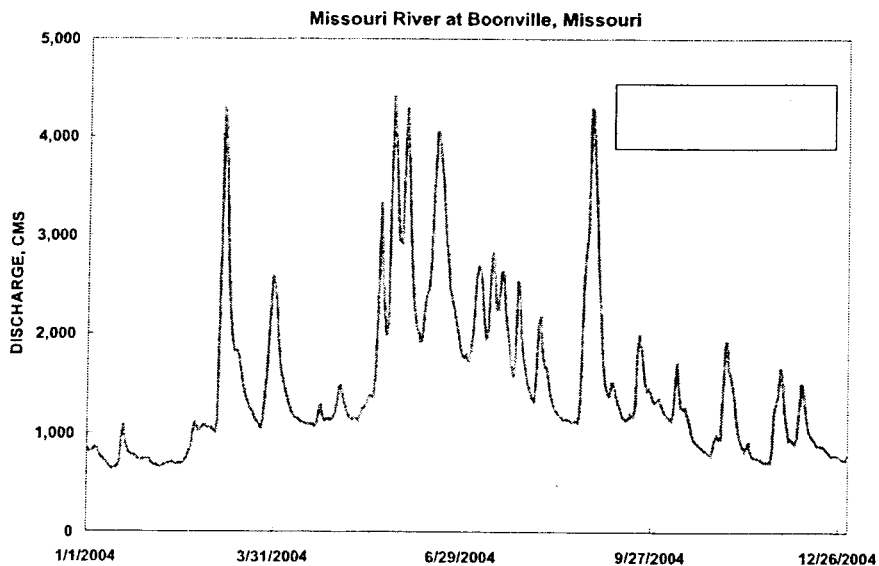
## Lower Missouri Flow-Regime

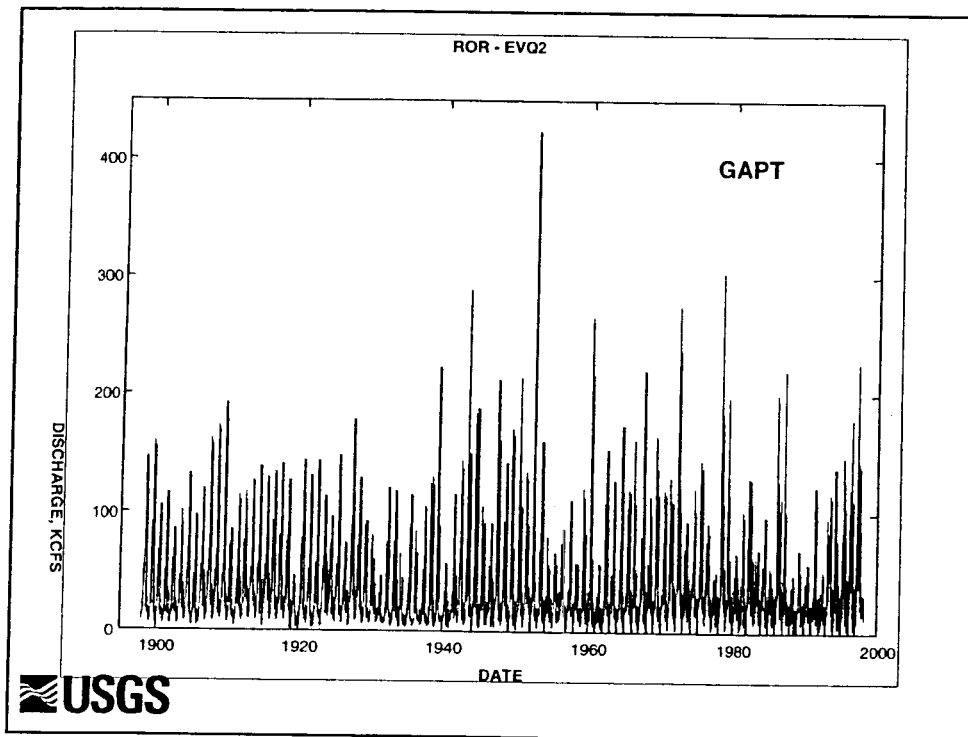
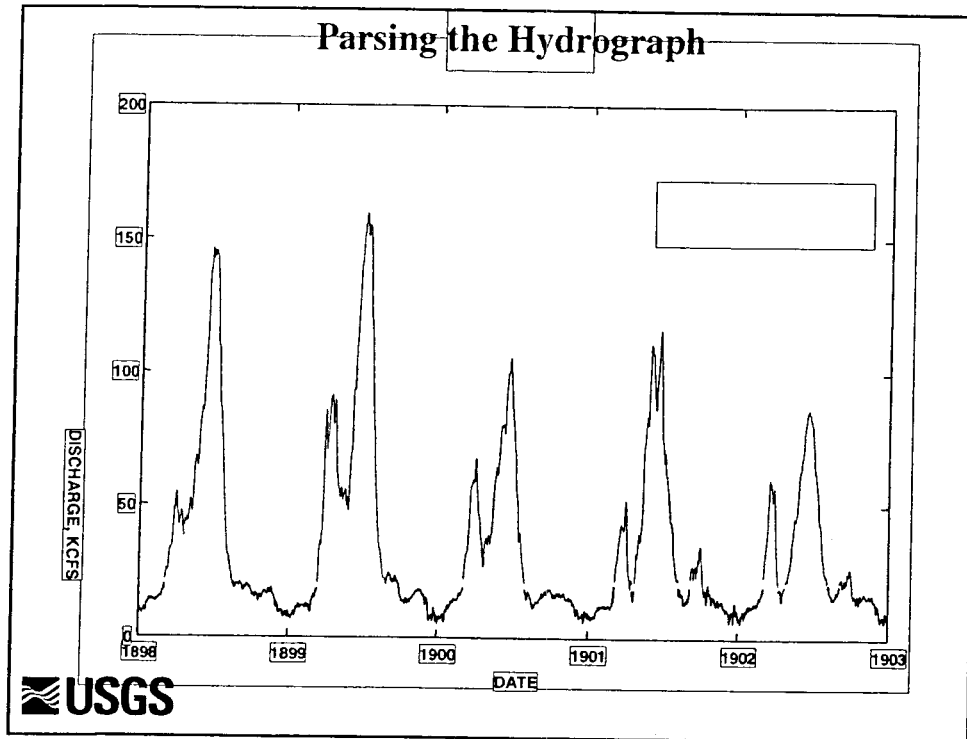


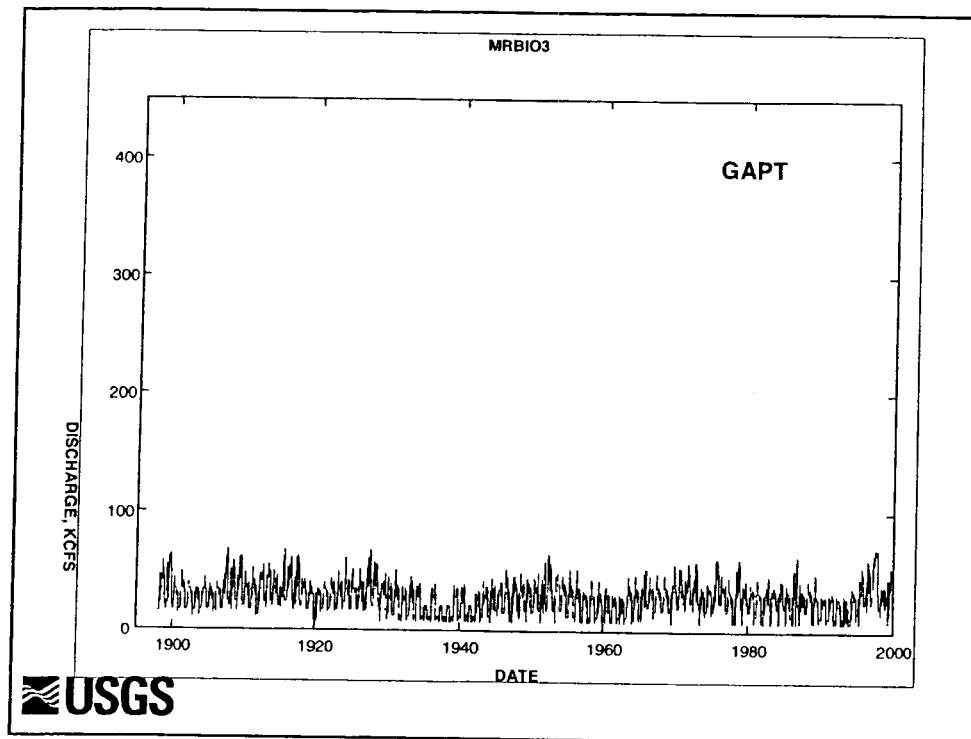
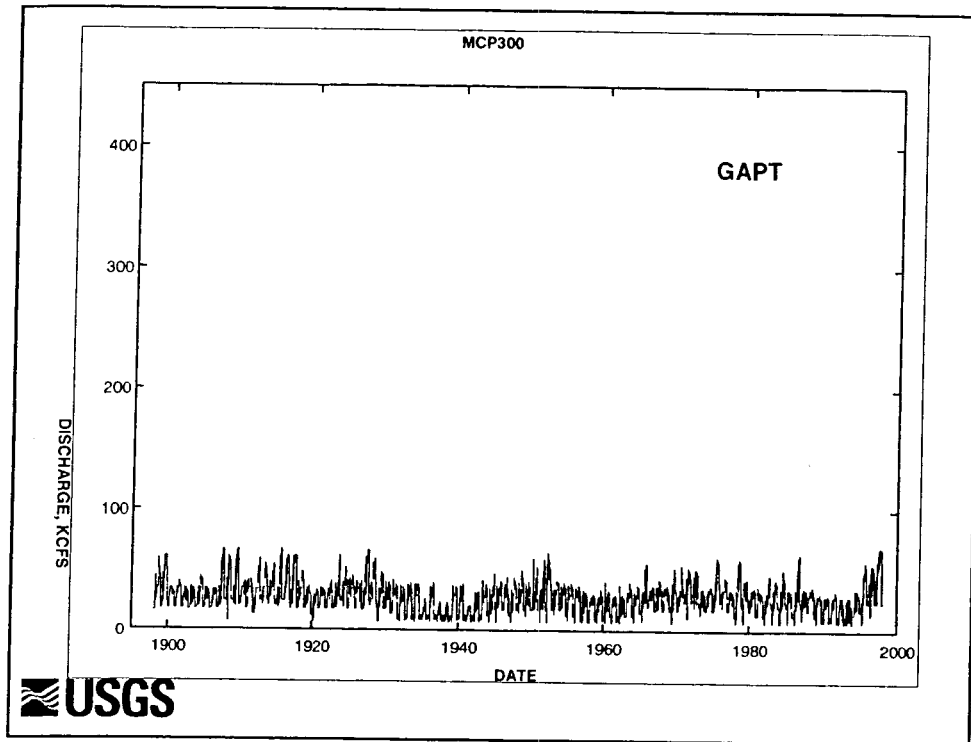
## Parsing the Hydrograph for Ecological Meaning (Environmental Flow Components)

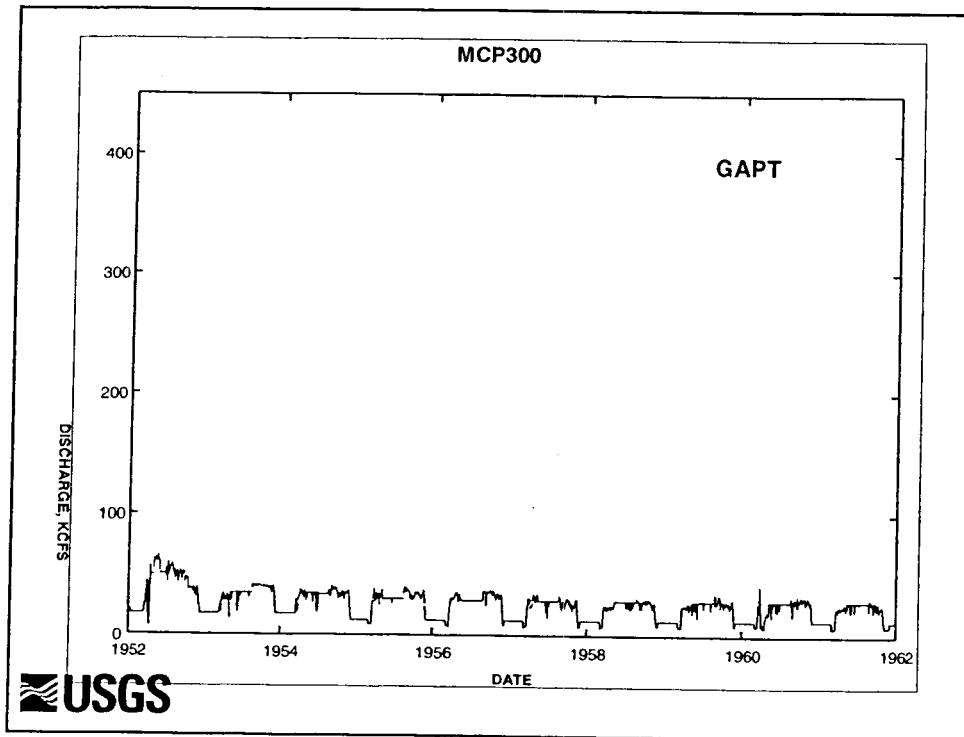
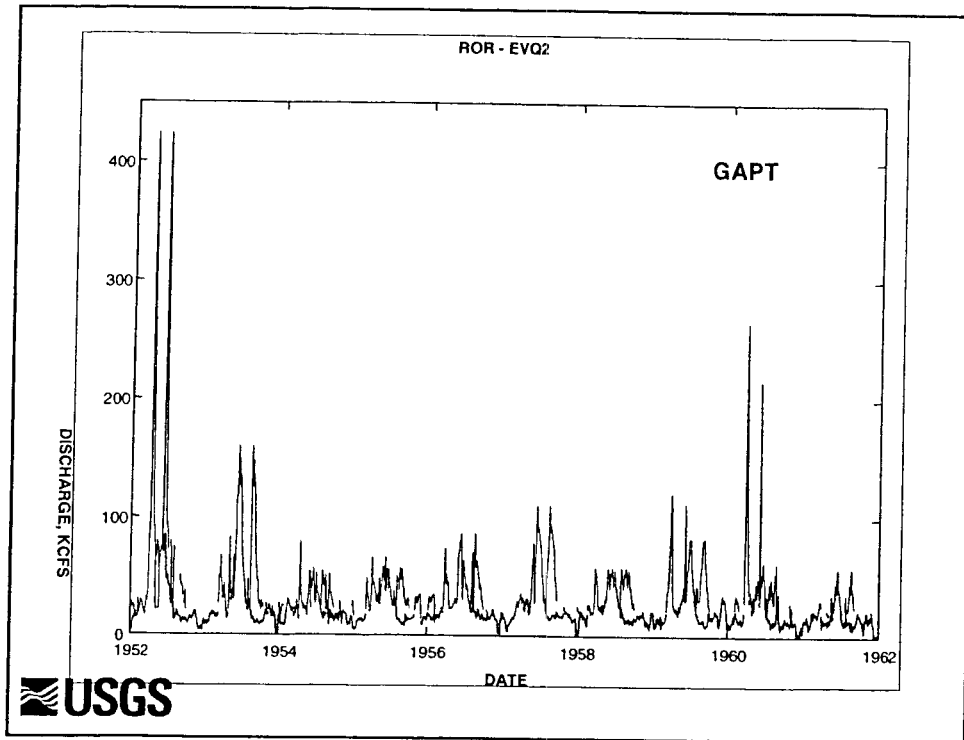


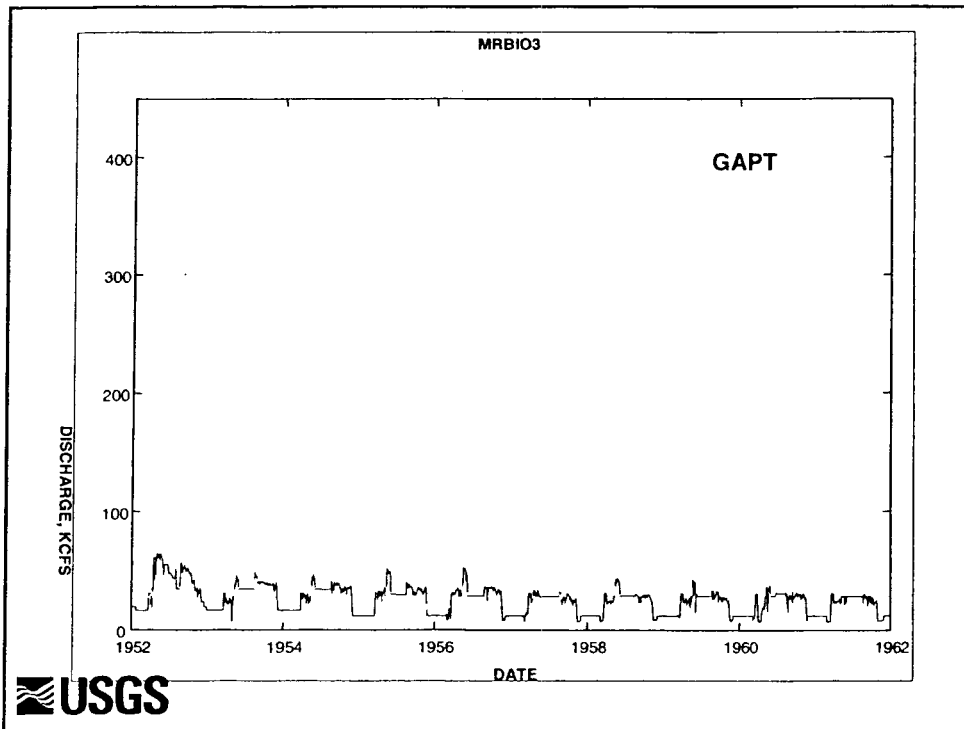
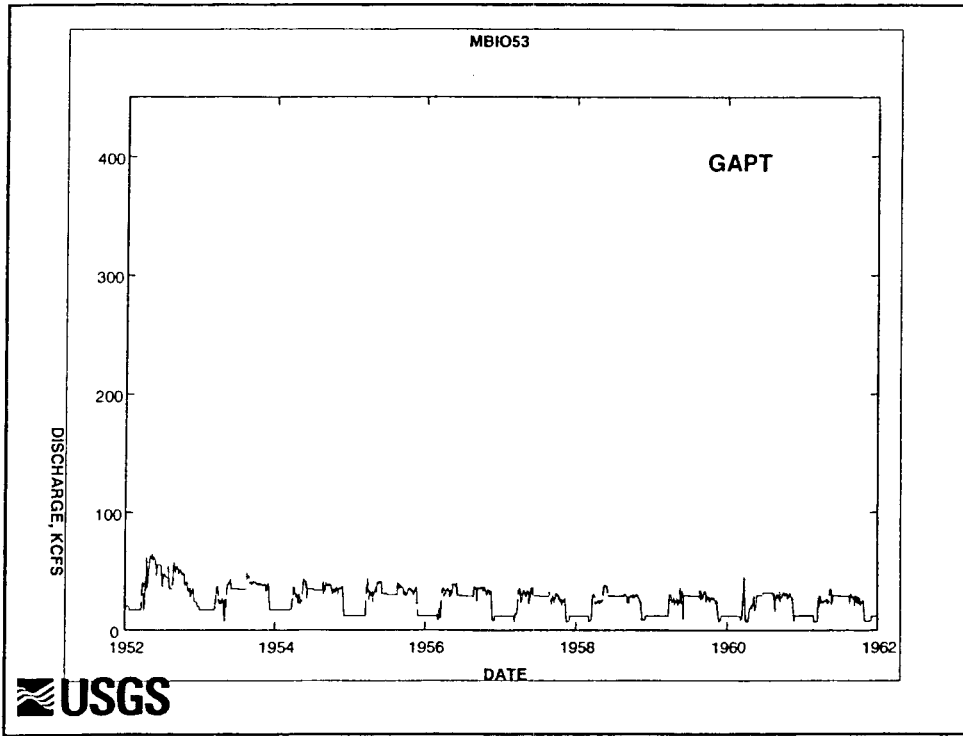
## Parsing the Hydrograph



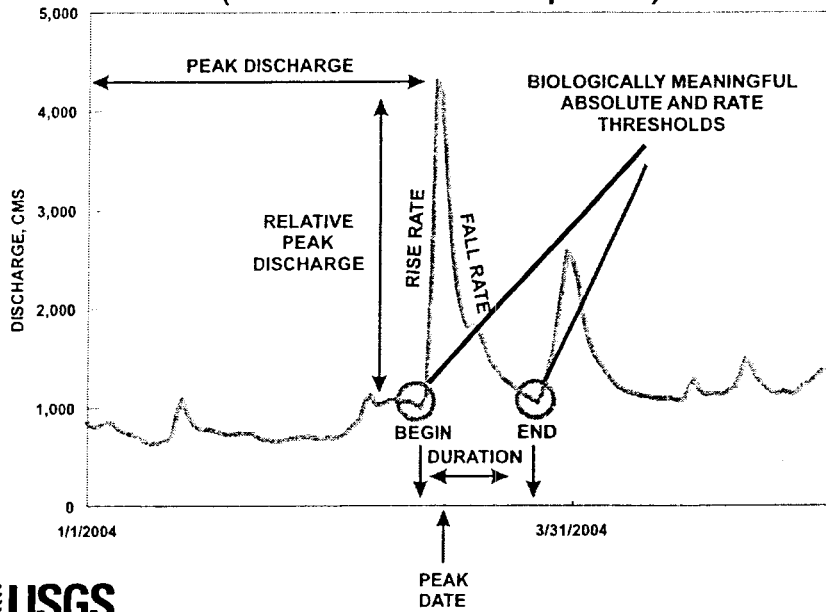




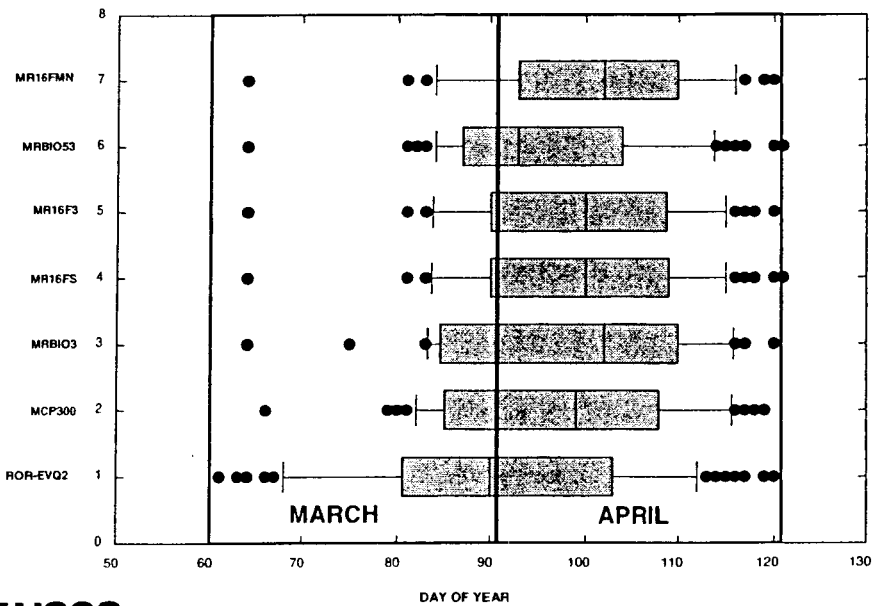


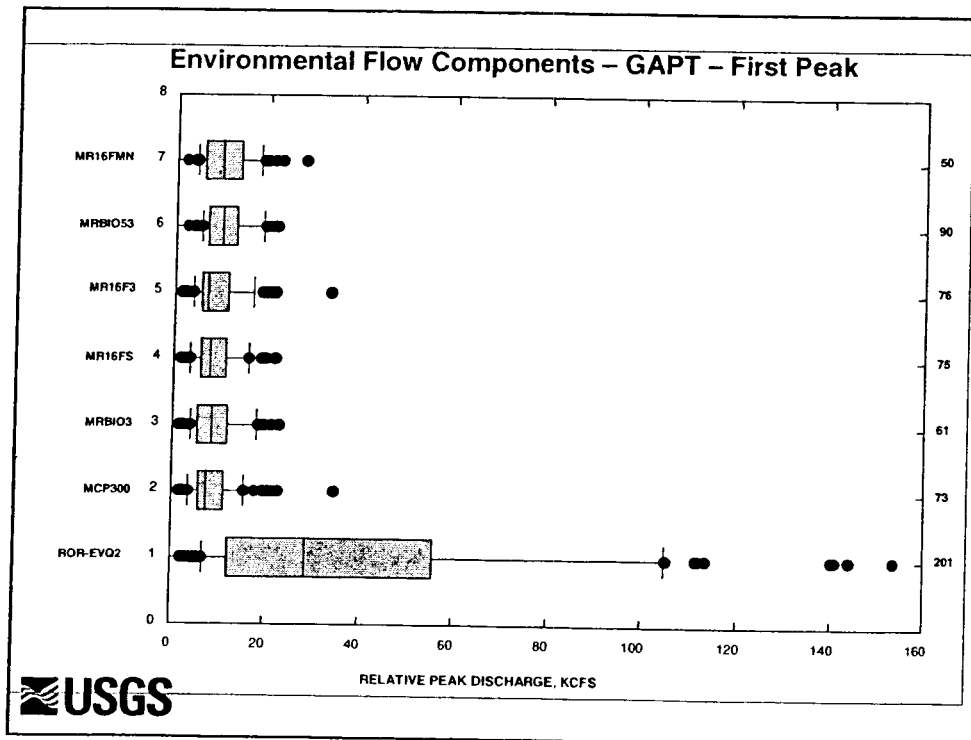
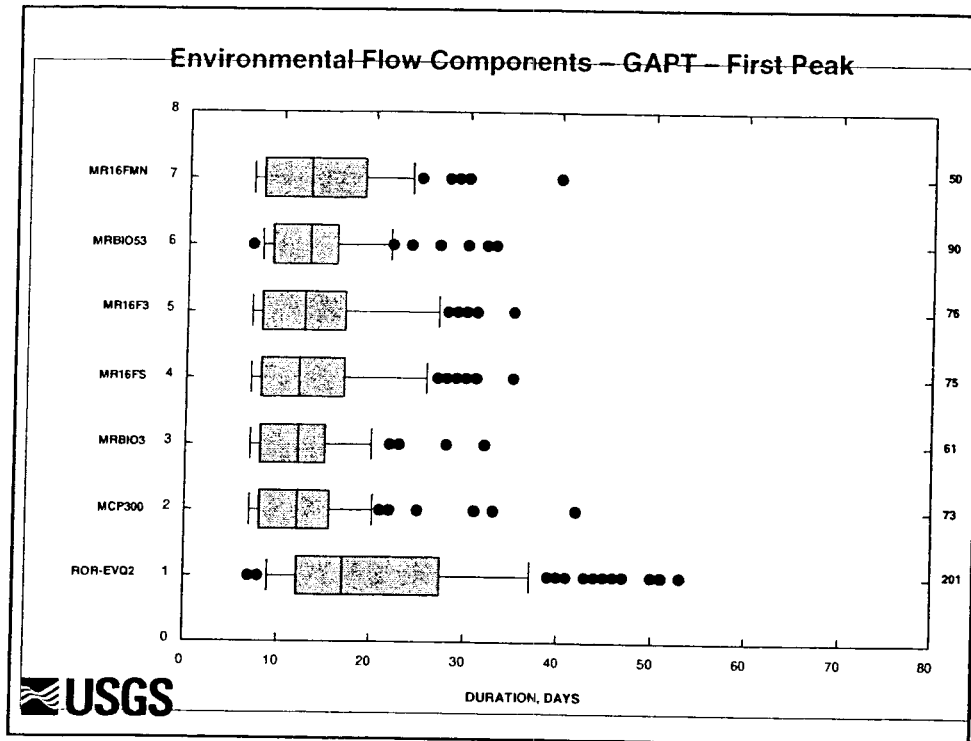


## Parsing the Hydrograph for Ecological Meaning (Environmental Flow Components)

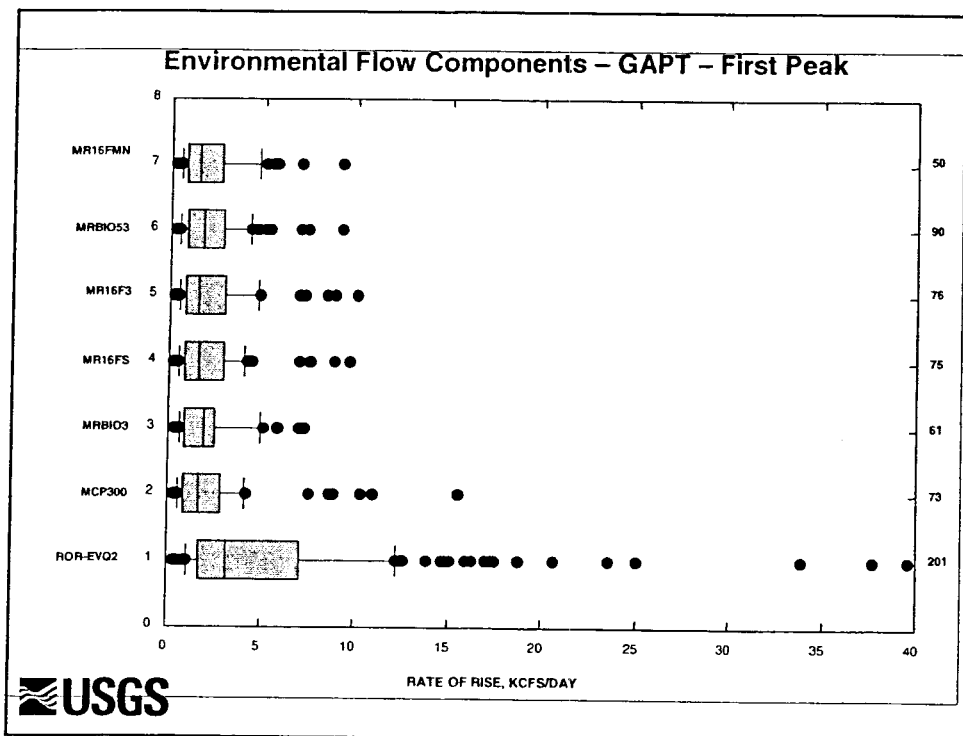
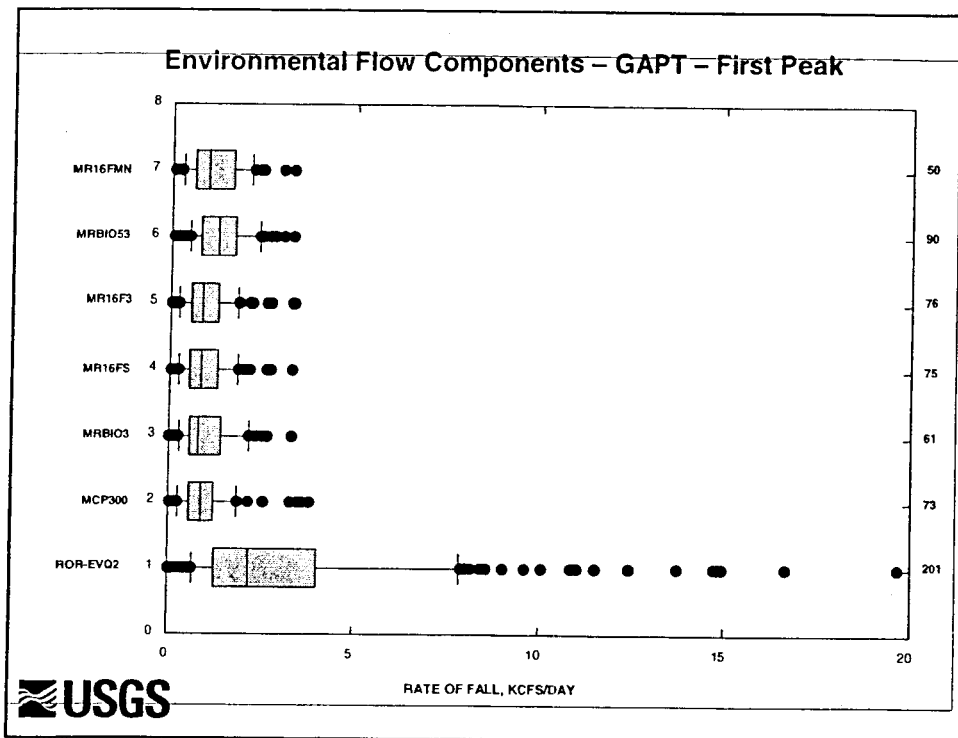


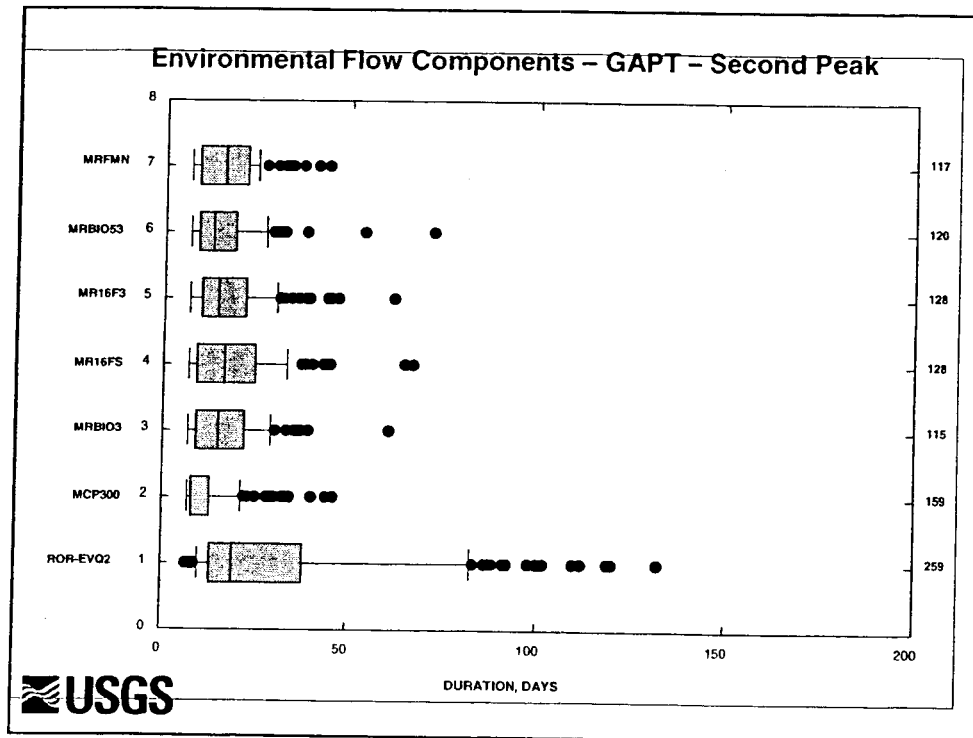
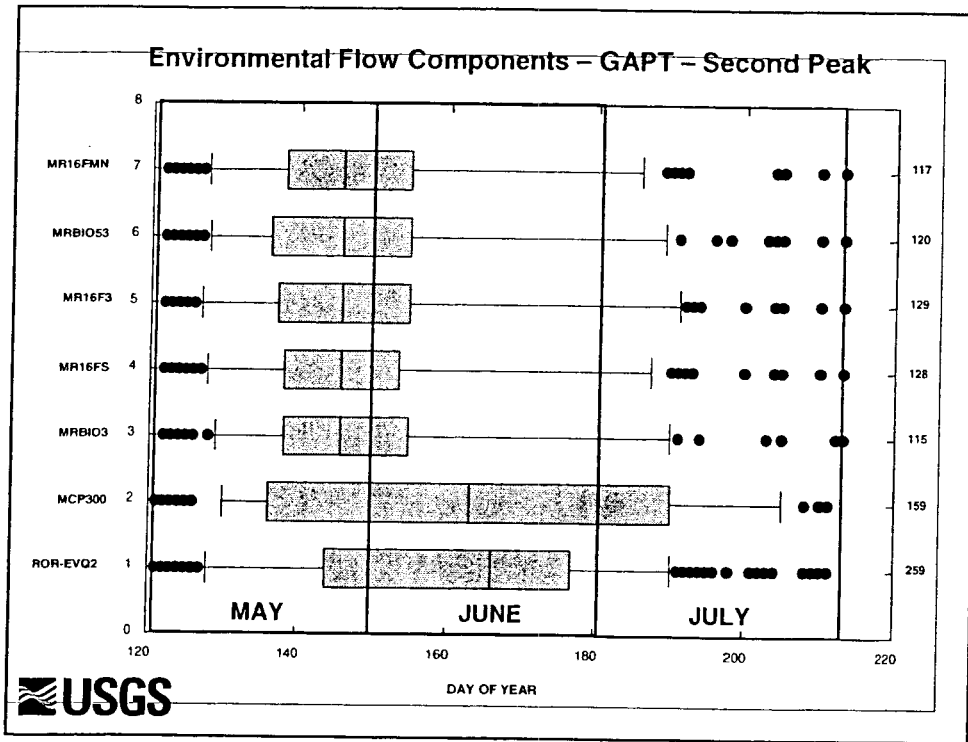
### Environmental Flow Components – GAPT – First Peak

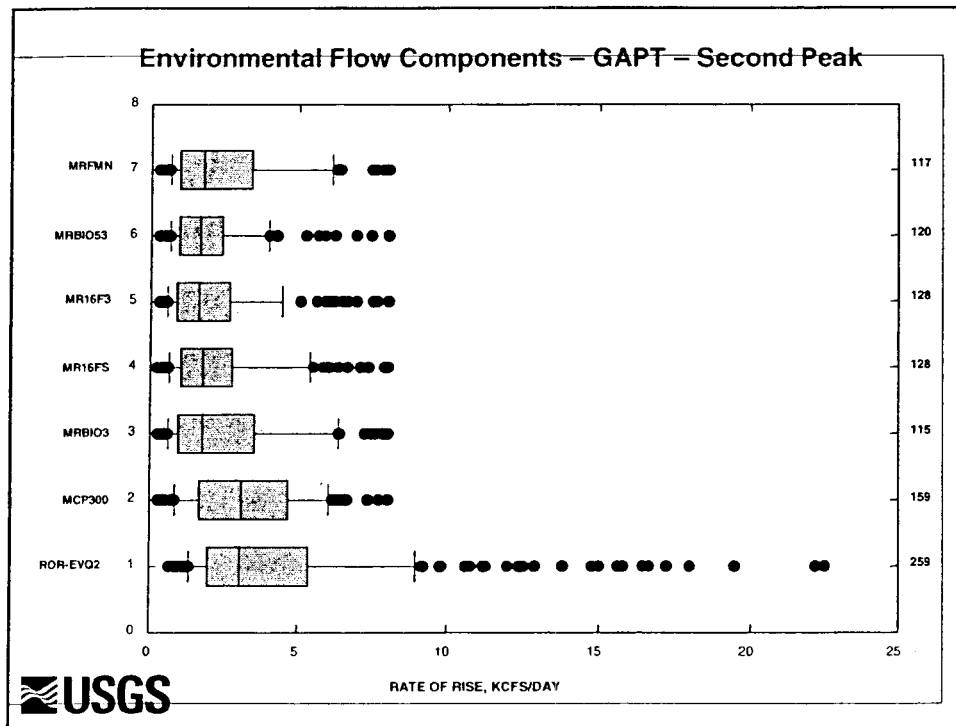
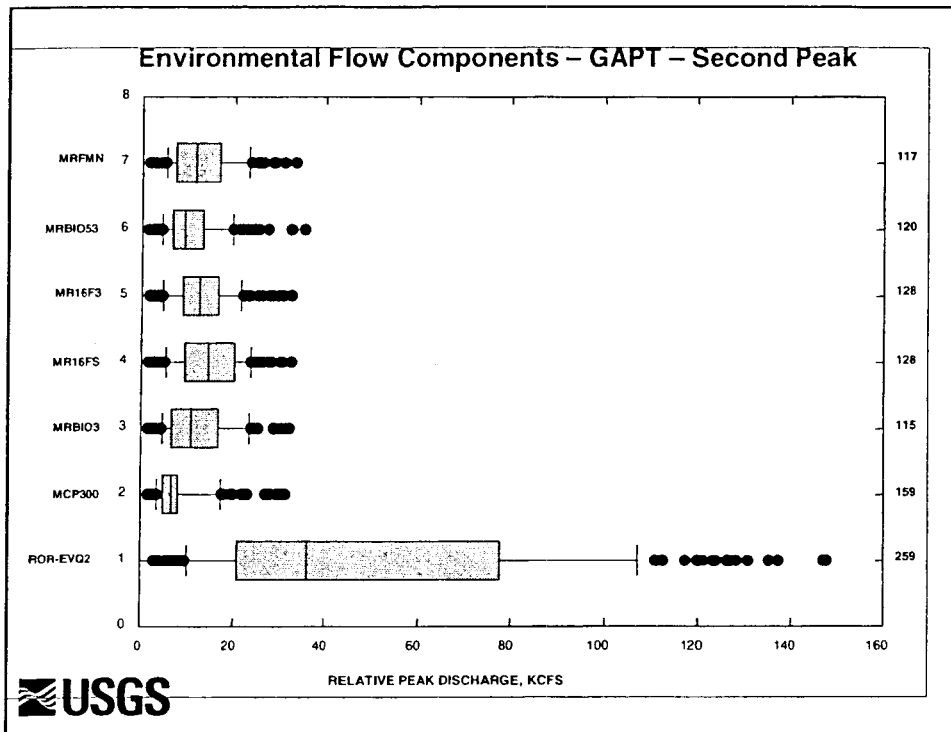


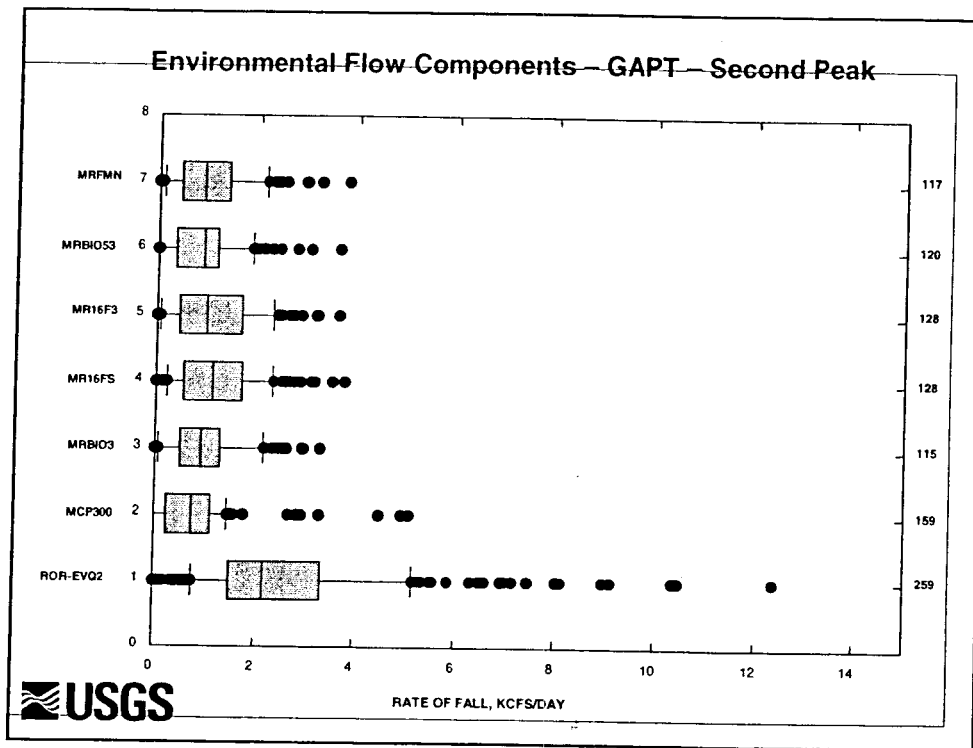












### Some Questions

- *Biological needs*
  - *Rise for migration, spawning, dispersal*
  - *Spawning substrate conditioning?*
  - *Single or double SR?*
  - *Durations*
  - *Rates of rise and fall*
- *Non-modeled characteristics*
  - *A peak instead of plateau*
  - *Match incoming hydrograph*
- *SR design for information content, recovery*