# **Developing and Implementing Environmental Flows:**

Savannah River, GA/SC *a case study* 





1

### Altered Flow Regimes in the U.S.

- < 2% of all major rivers remain free-flowing
- 1,000's of large dams, including nearly 500 USACE multi-purpose reservoirs:
  - + Flood protection
  - + Hydropower: 24% of U.S.
  - + Recreation: 370M visits/yr
  - + Water supply: ~10M ac-ft (32M people)



# **Ecologically Sustainable Water Management**

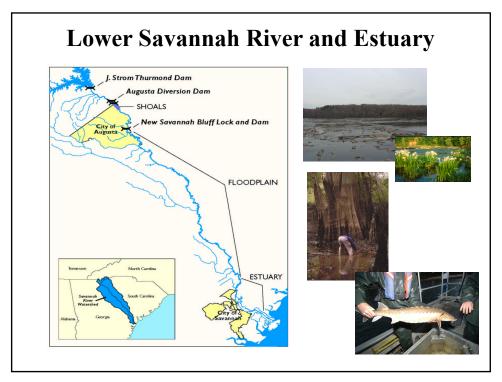
#### Environmental Flows:

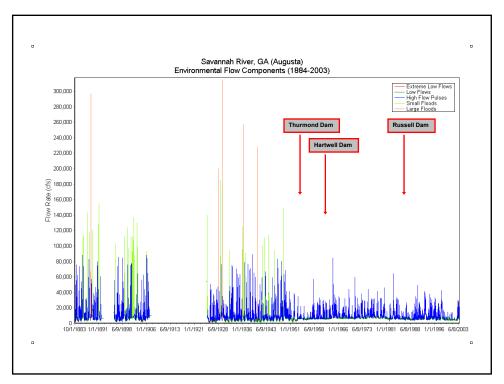
The flow of water in a river or lake that sustains healthy ecosystems and the goods and services that humans derive from them.

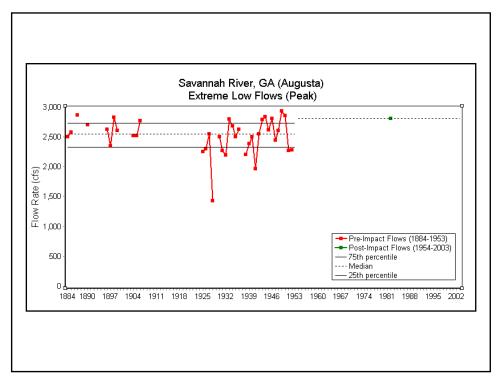


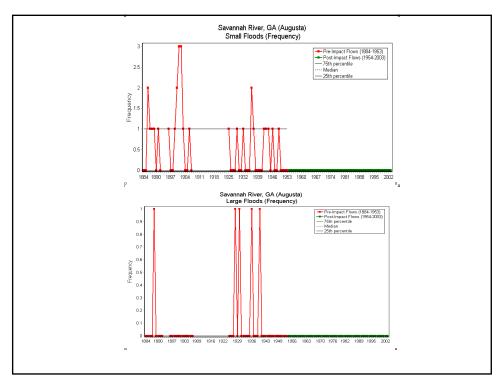
3

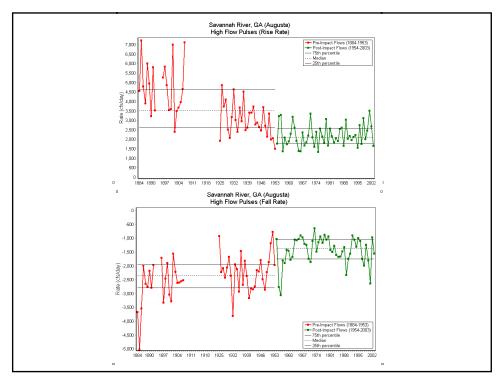


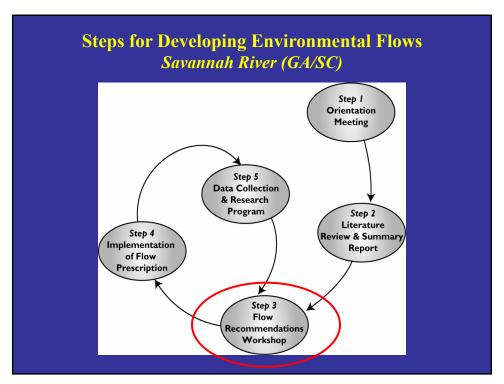












#### **Environmental Flows Workshop**



The goal was *not* to create optimal conditions for all species all of the time; rather, we wanted to create adequate conditions for all native species *enough* of the time.

11

