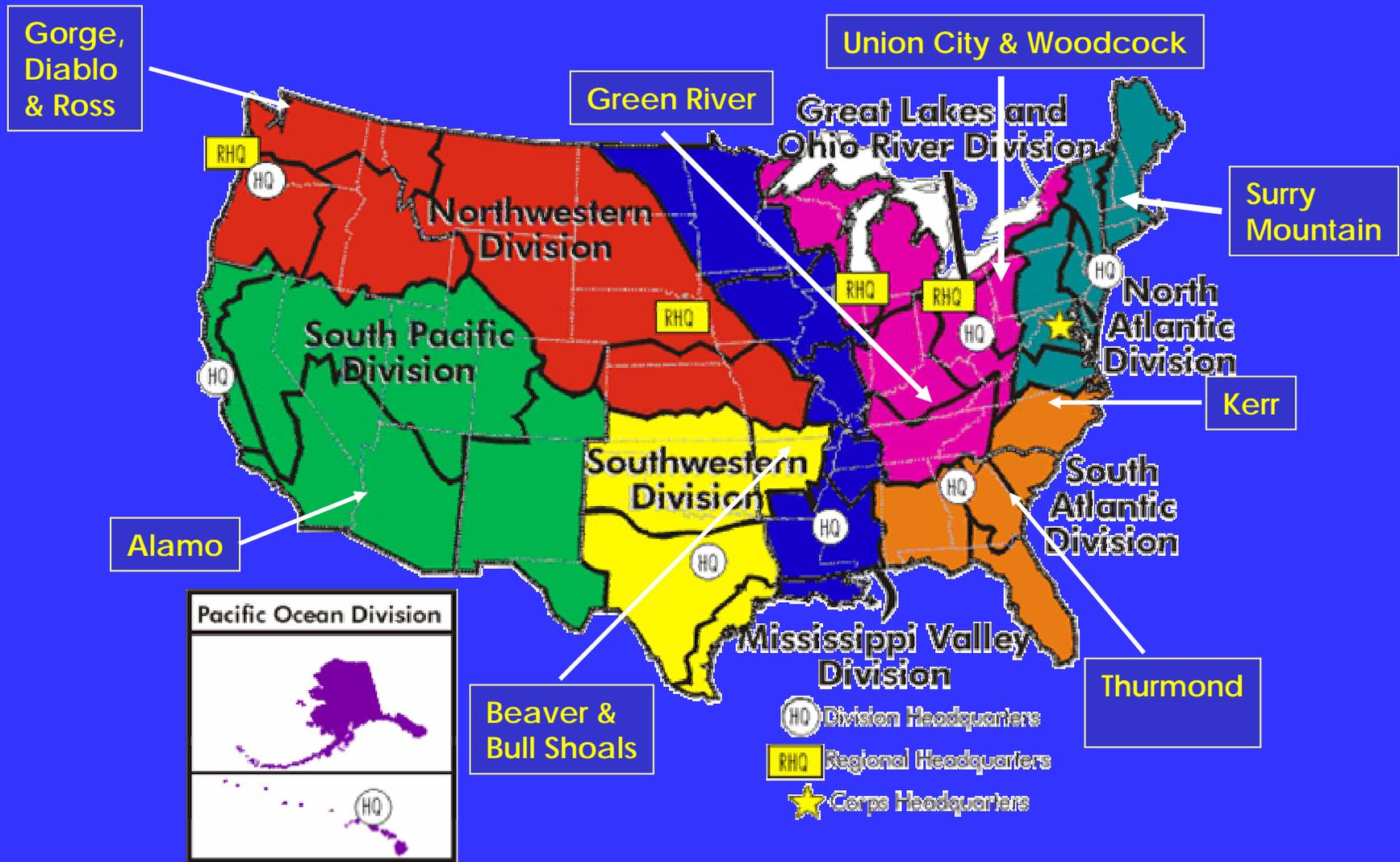


# Specifying Water Flow Requirements for the Savannah River to Support River Health

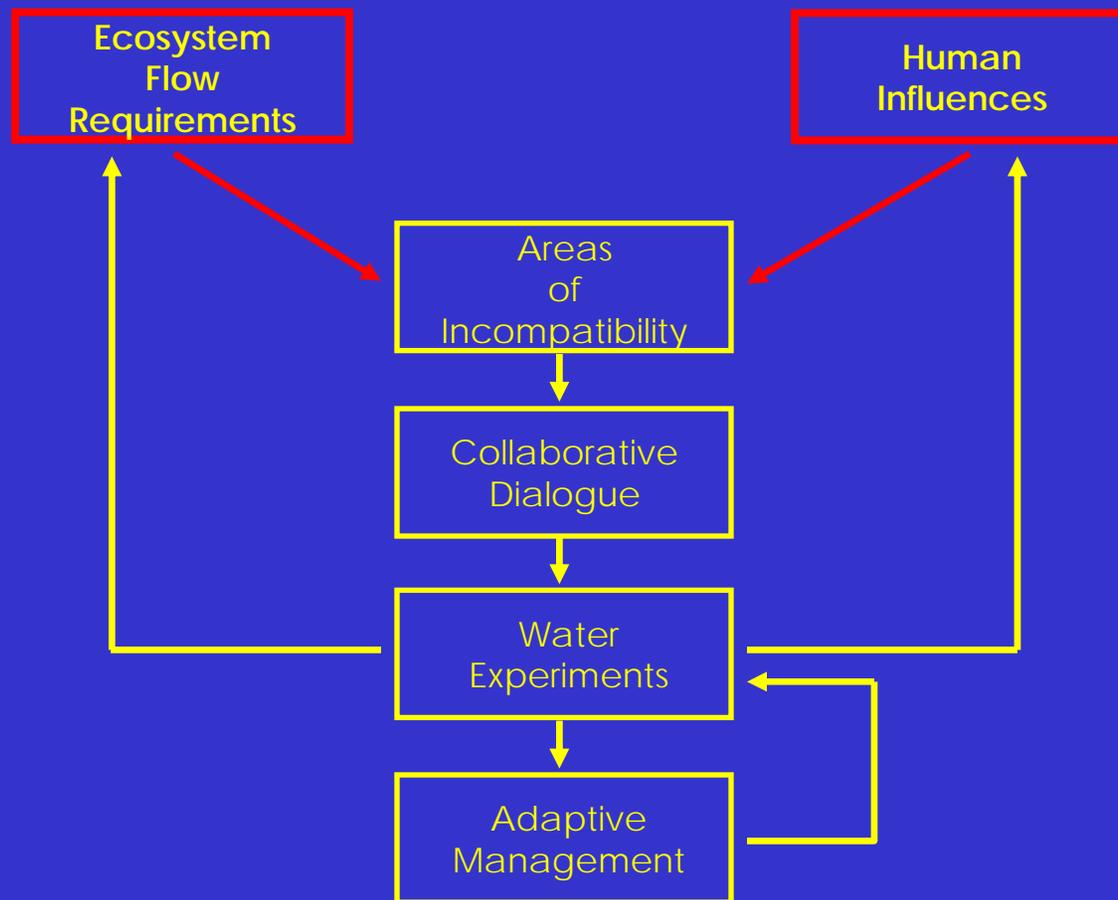
A cooperative partnership between the  
US Army Corps of Engineers  
The Nature Conservancy  
Georgia Department of Natural Resources  
South Carolina Department of Natural Resources  
US Fish and Wildlife Service



# Sustainable River Project Sites



# A Framework for Ecologically Sustainable Water Management



# Key Components of Savannah River Ecosystem Flow Prescription

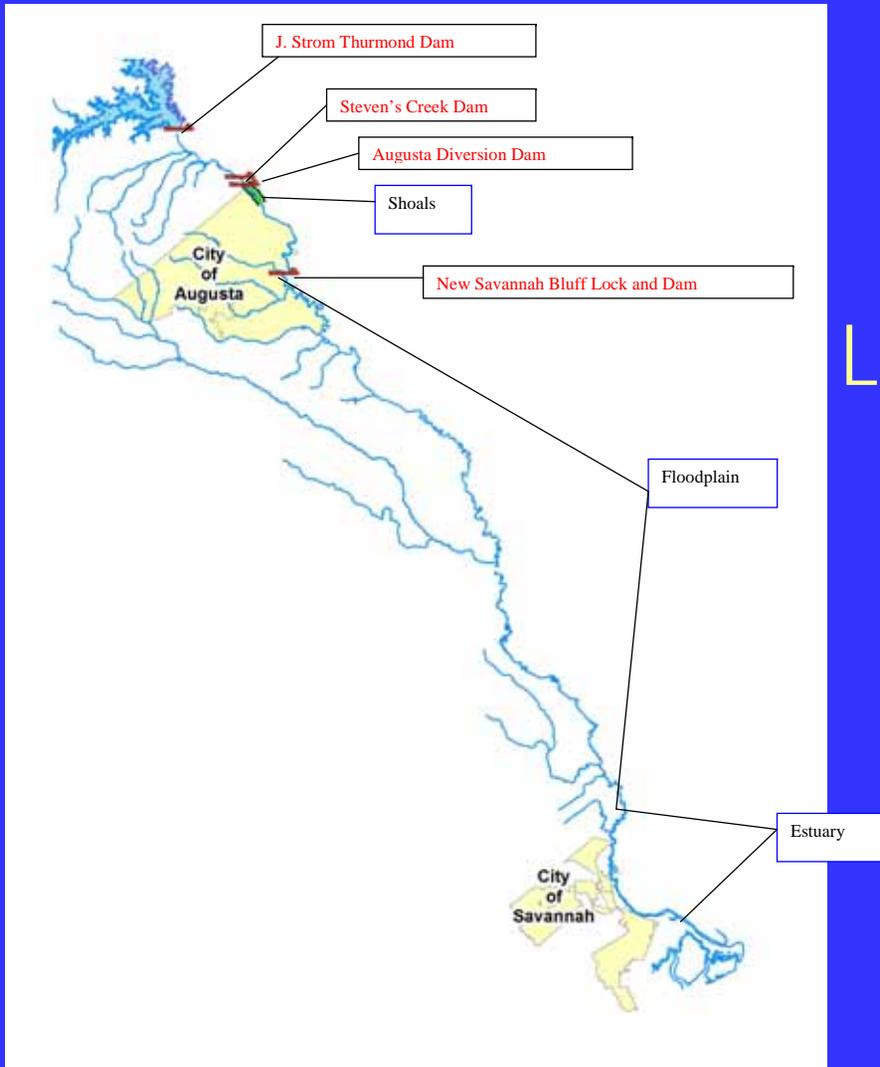


- Hydrologic Characterization of Savannah River
- Annotated Bibliography
- Summary Report
- Ecosystem Flow Workshop

# Savannah River Ecosystem Flow Workshop Participants



# Ecosystem Flow Recommendations: Lower Savannah River

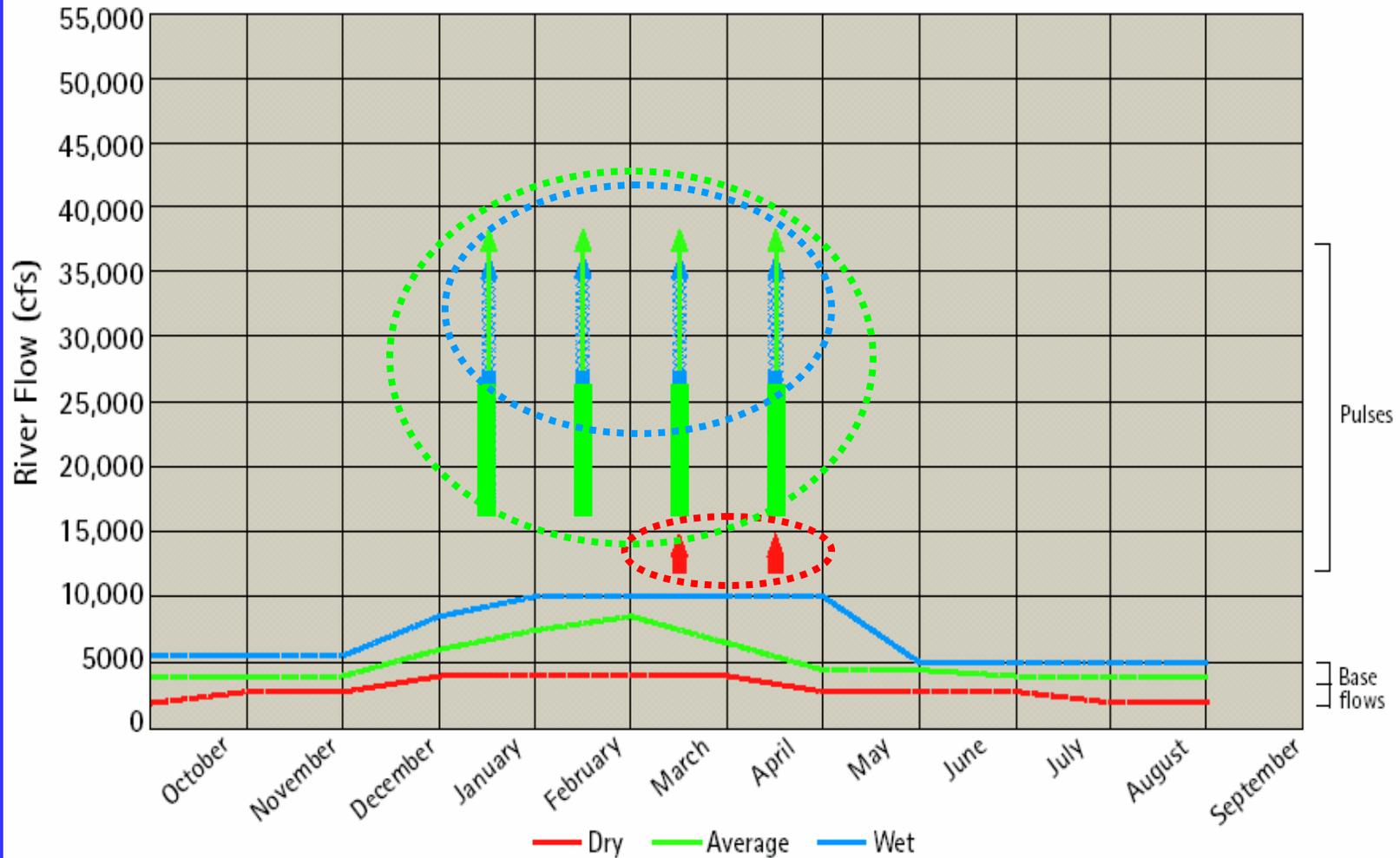


# Goal of Ecosystem Flow Recommendations



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

# Ecosystem Flow Recommendations, Savannah River Shoals

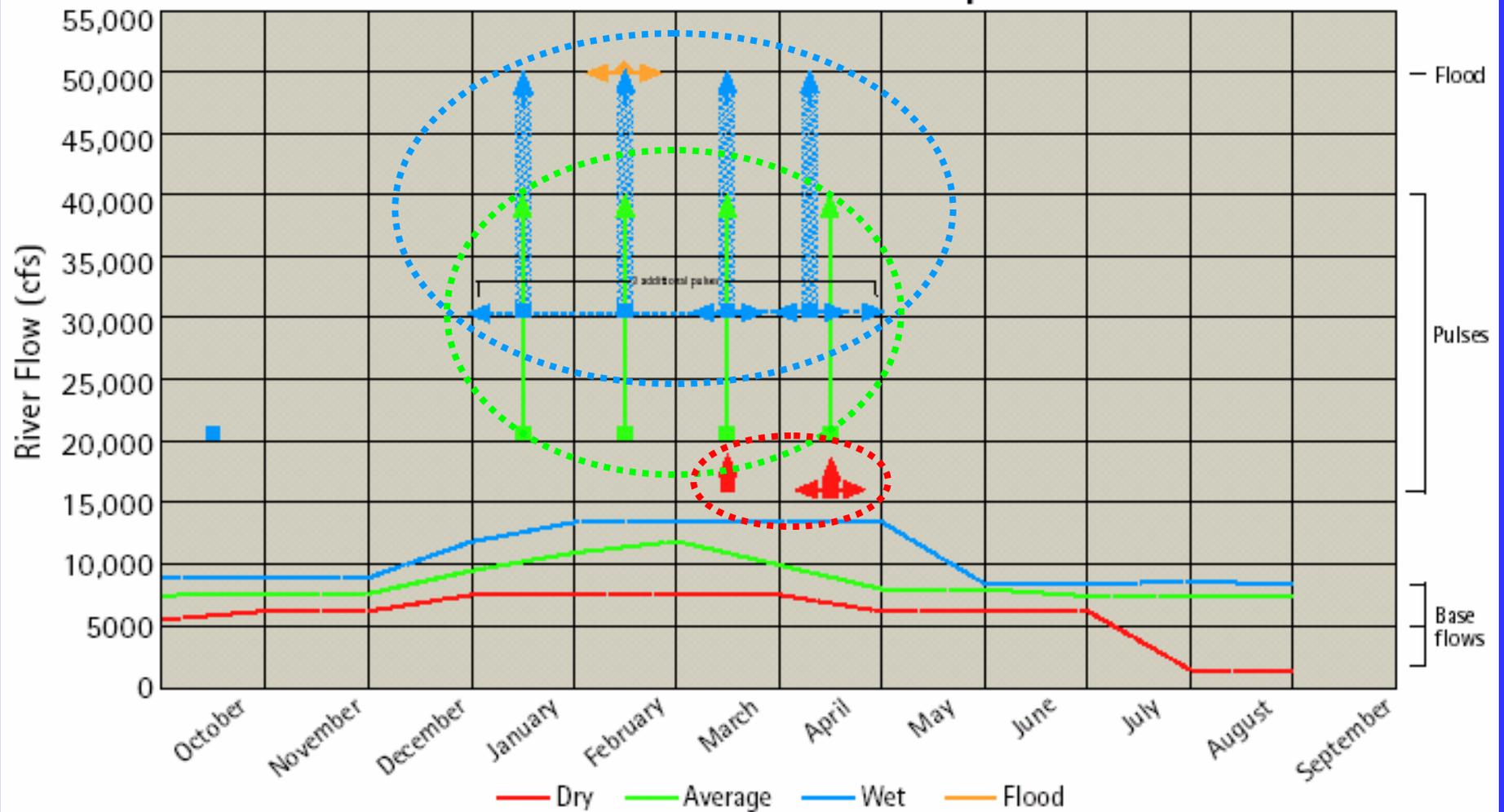


# Ecological Benefits of Implementation



- Increased spawning habitat for anadromous species
- Decreased predation on Shoals Spider Lily

# Ecosystem Flow Recommendations, Savannah River Floodplain



# Ecological Benefits of Implementation



Low flows will facilitate:

- Germination and establishment of bottomland hardwood species
- Growth of adult trees
- Juvenile fish survival
- Spawning in gravel shoals

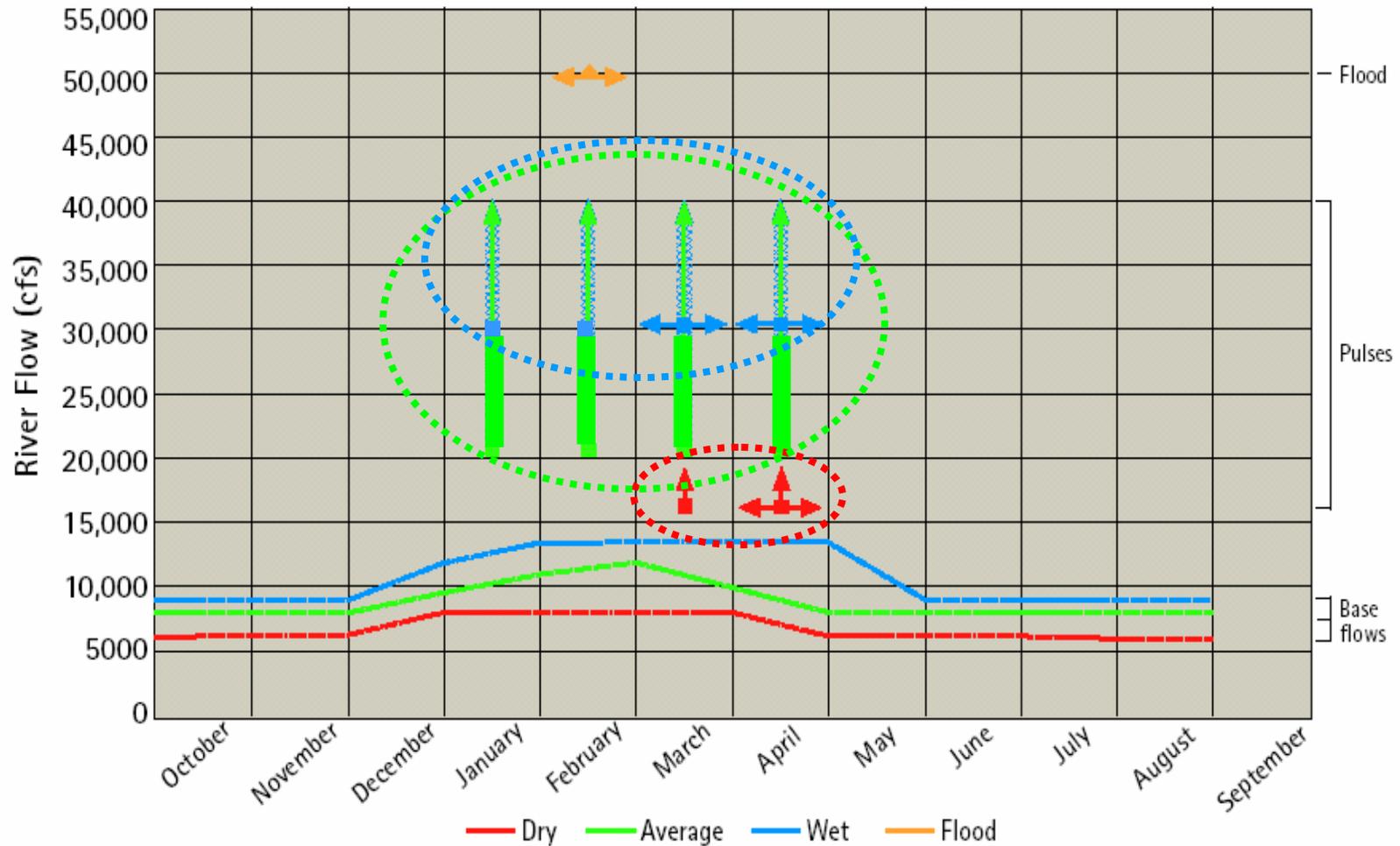
# Ecological Benefits of Implementation



Pulses will facilitate:

- Seed dispersal
- Floodplain access for fish spawning and foraging
- Nutrient replenishment to floodplain soils
- Nesting habitat for birds

# Ecosystem Flow Recommendations, Savannah River Estuary



# Ecological Benefits of Implementation



Pulses will facilitate:

- Reduced parasitism of oysters and blue crabs
- Nutrient cycling
- Invertebrate productivity
- Seed dispersal
- Fish habitat utilization

