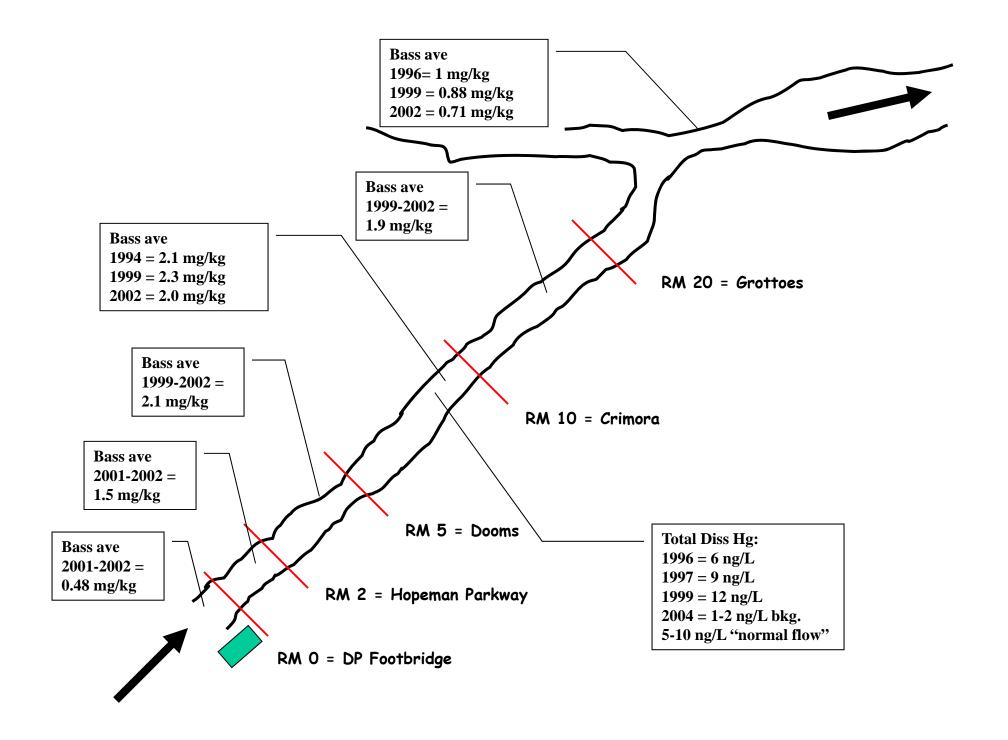
# What We Know or What We Think We Know

South River Science Team Expert Panel Meeting October 18-19, 2005



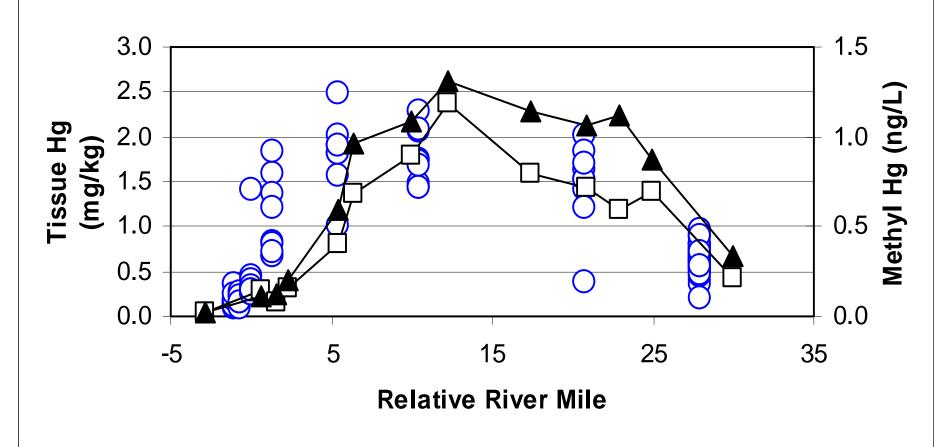


# New Genus, New Species.



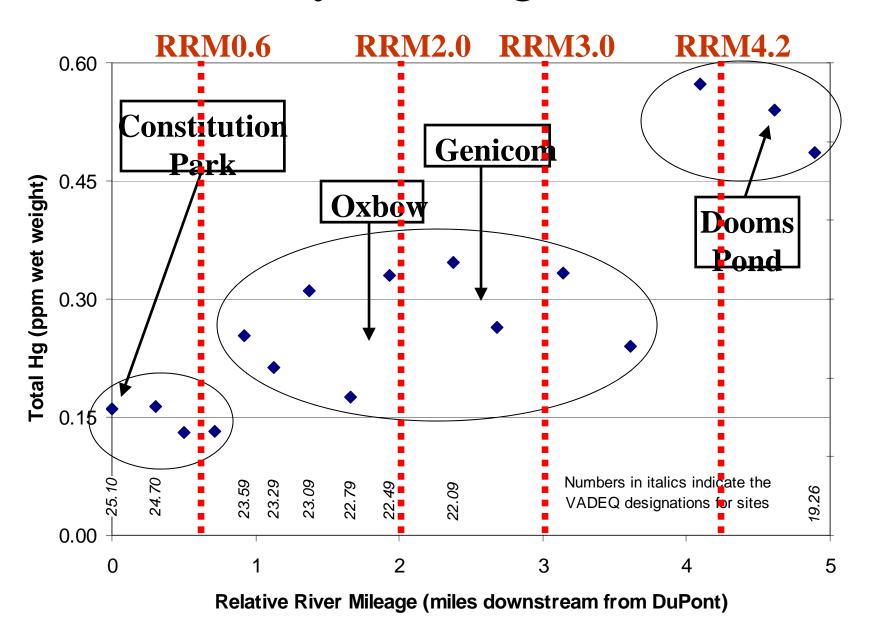
Nemesis teddi





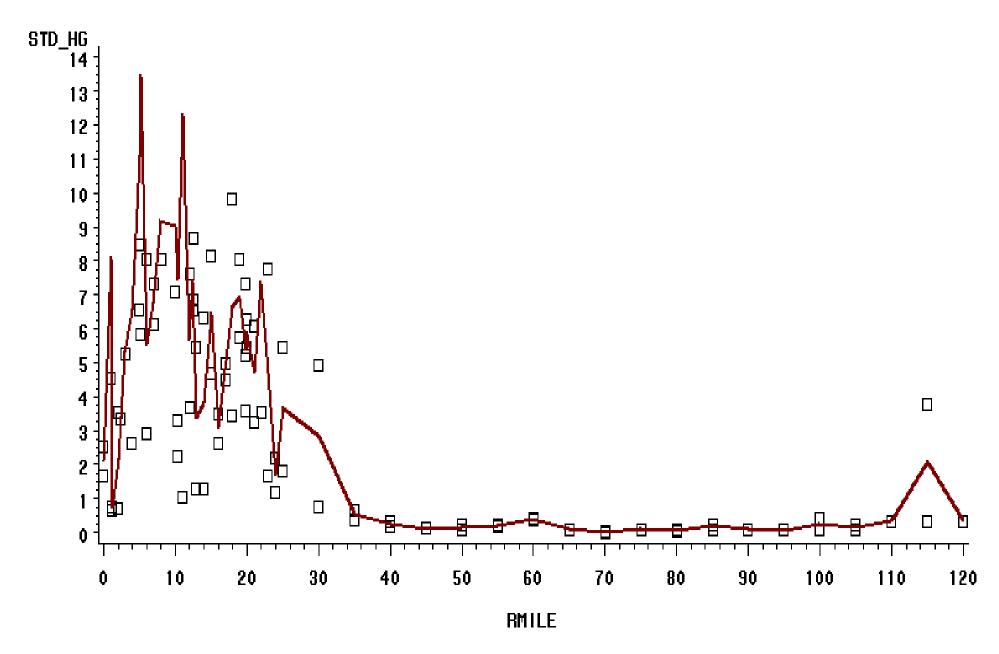
Smallmouth Bass — Dissolved MeHg — Total MeHg

## Mercury in Indigenous Corbicula

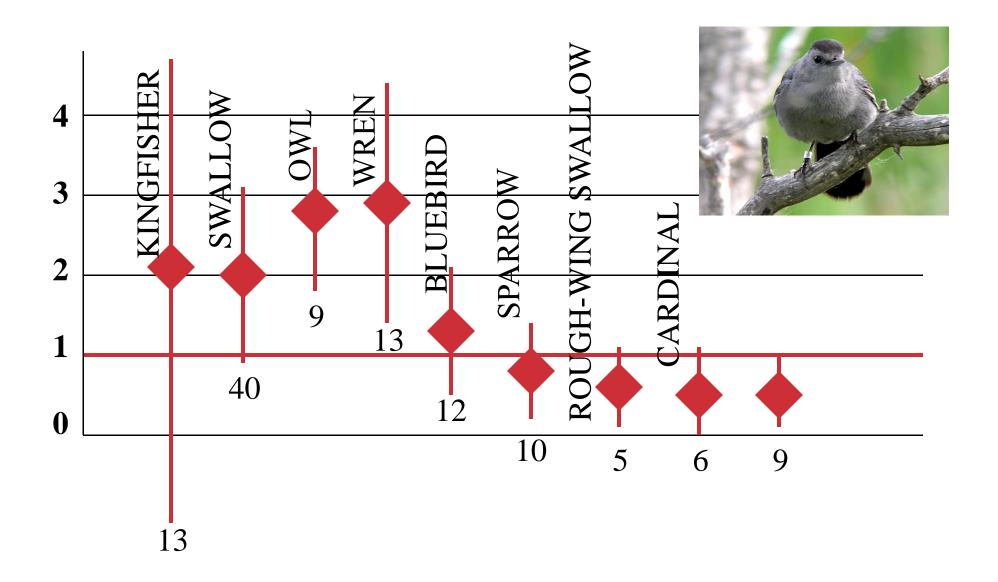


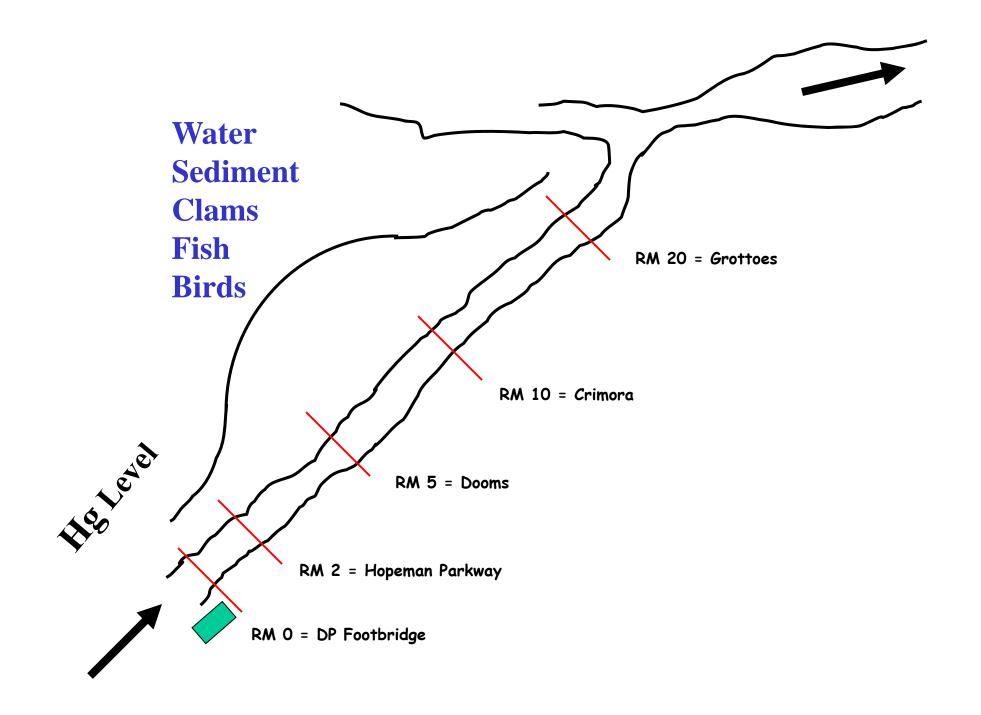
## STANDARDIZED Hg vs RIVERMILE

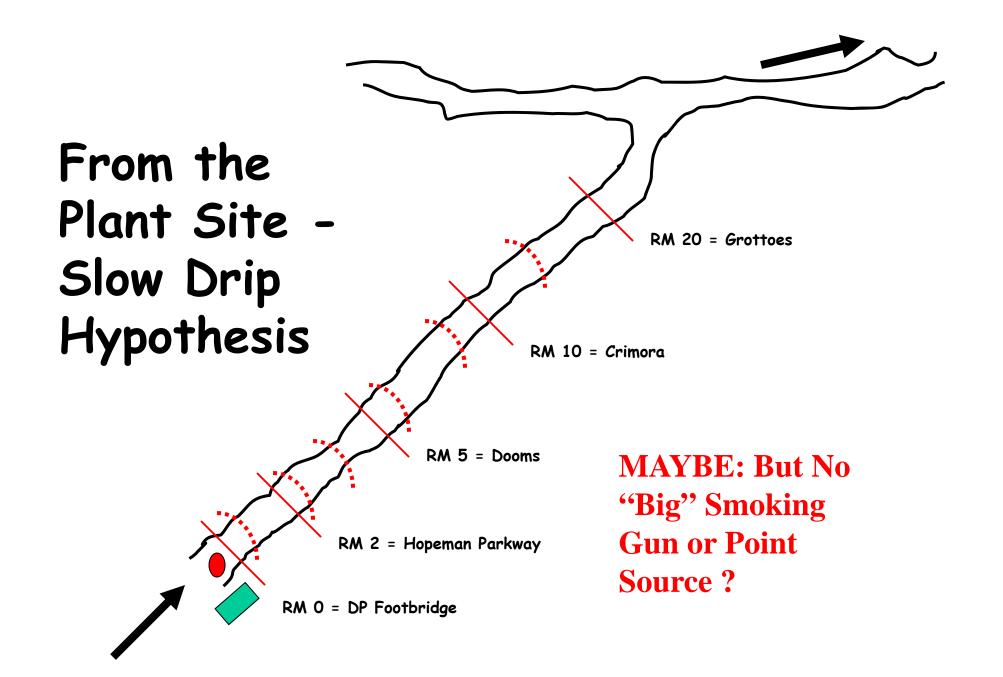
VALUES >10 REPRESSED

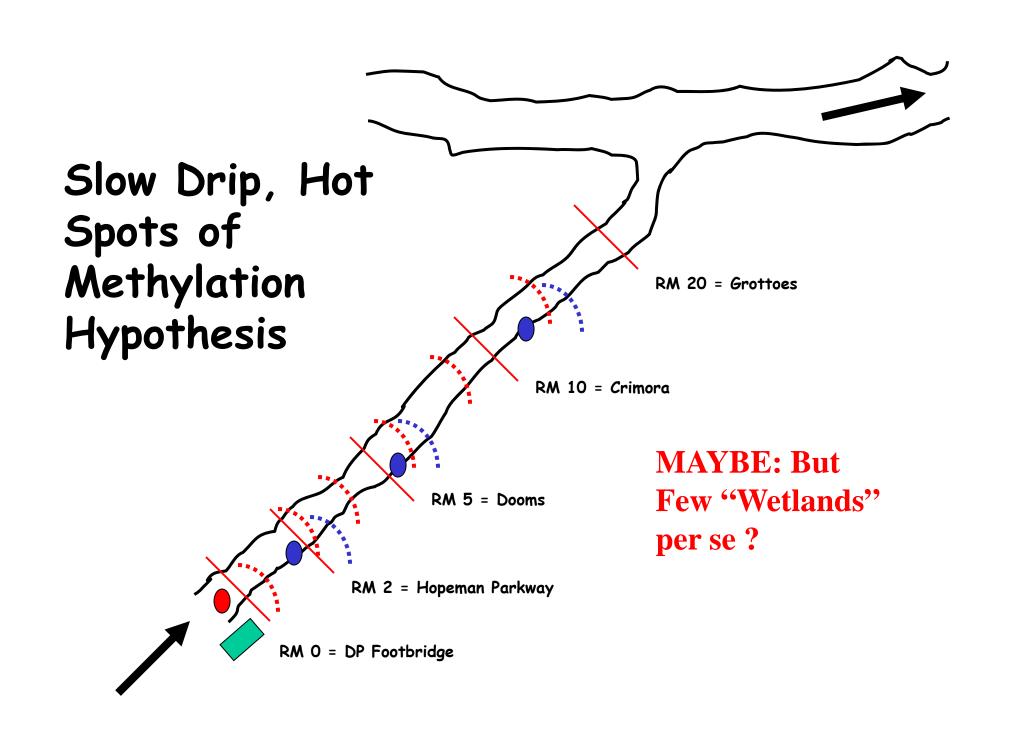


#### **CATBIRD**: Total **Hg** ppm wet weight blood

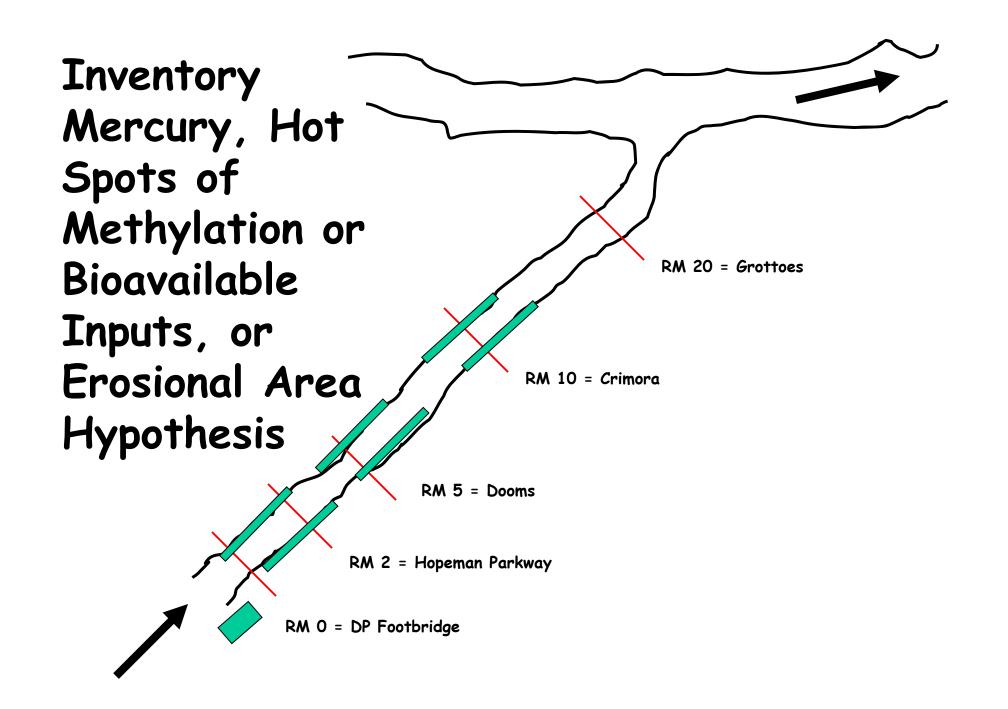


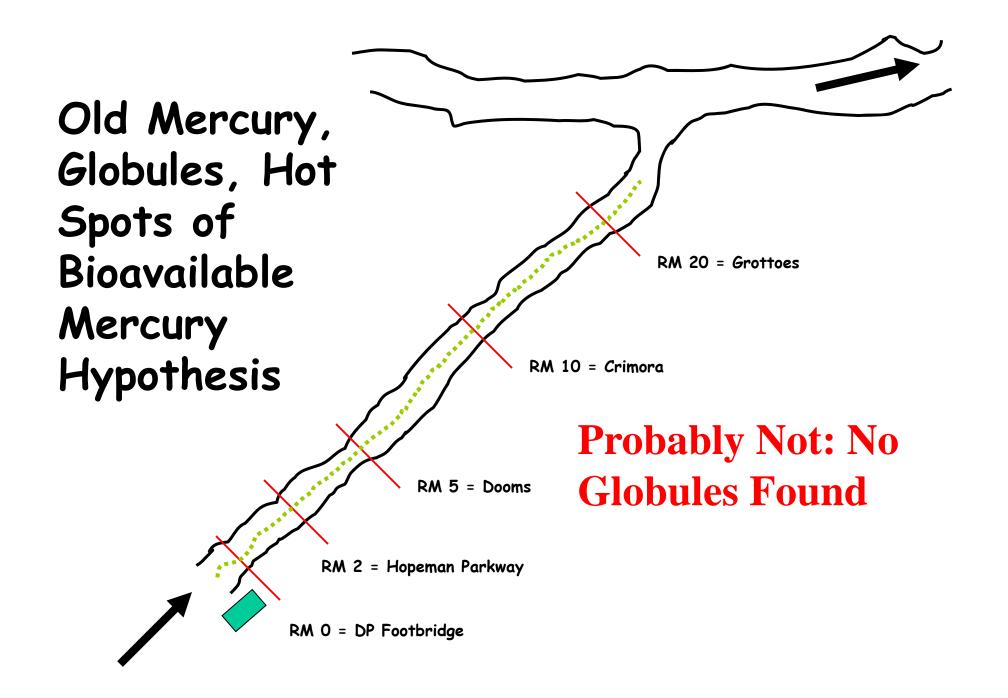


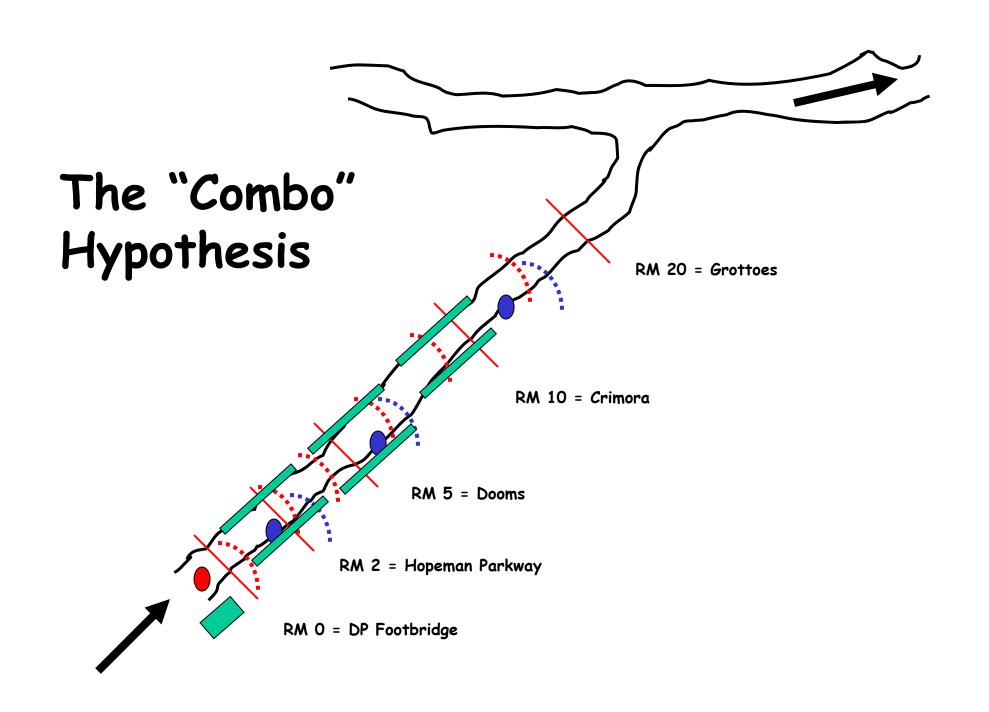




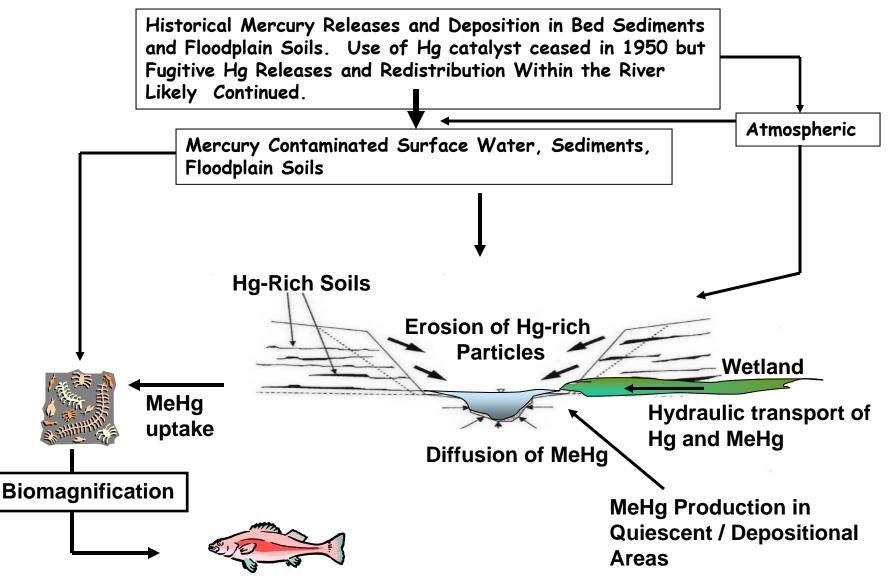








# Conceptual System Model of Historical Mercury Contamination and Current Exposure Pathway To Fish in the South River, Virginia.



### Common Elements?

- What would explain similar tissue burdens in aquatic, terrestrial and avian receptors?
- Why is there a bell shaped curve of concentrations, tissue levels?
  - Why is there a hump?
  - Why are there tails?