What We Know or What We Think We Know



Expert Panel Meeting October 21-22, 2008



Closer, But Not There Yet.



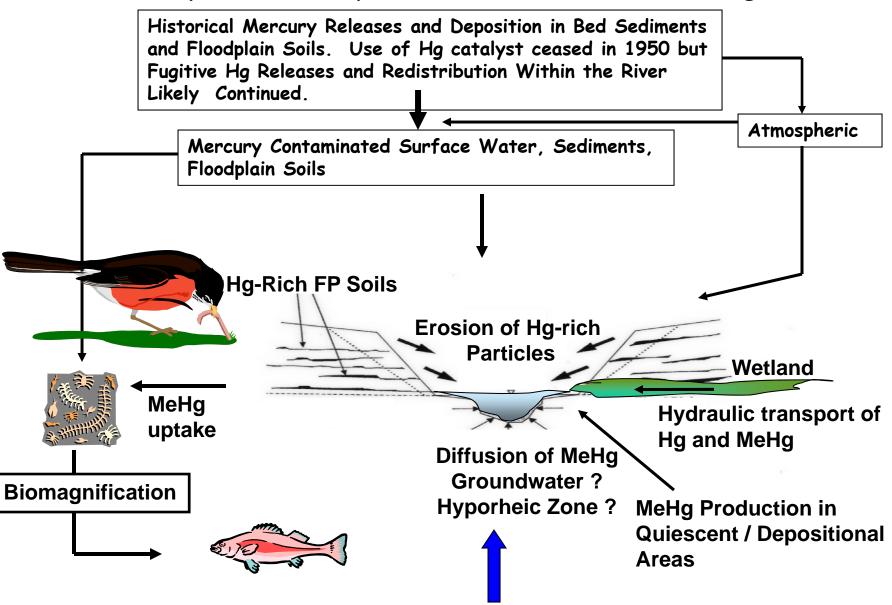


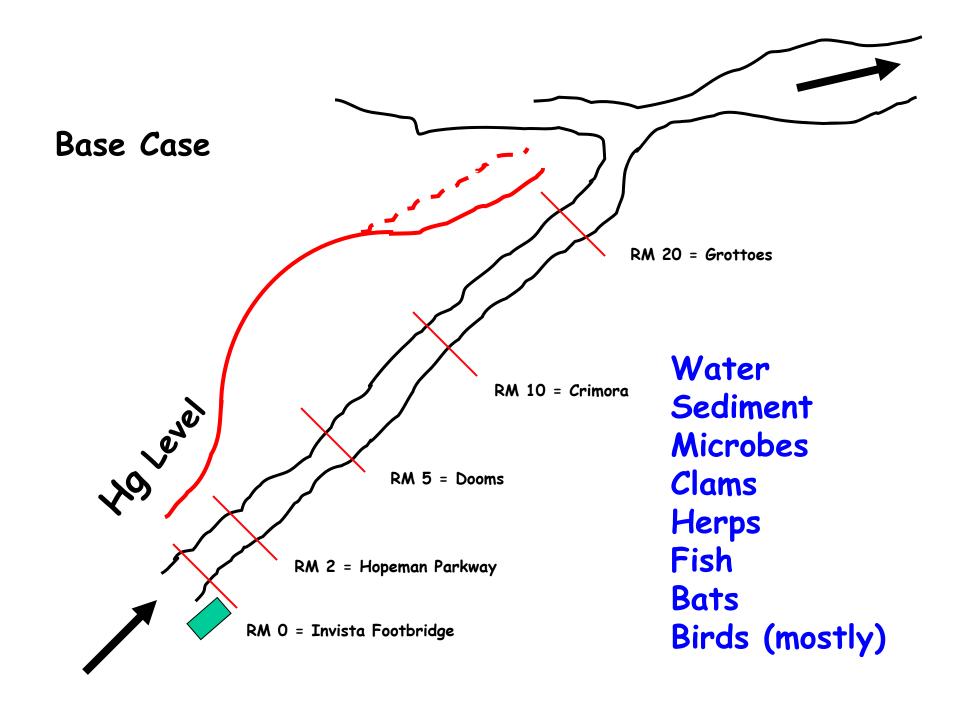
So Much Data - So Little Time

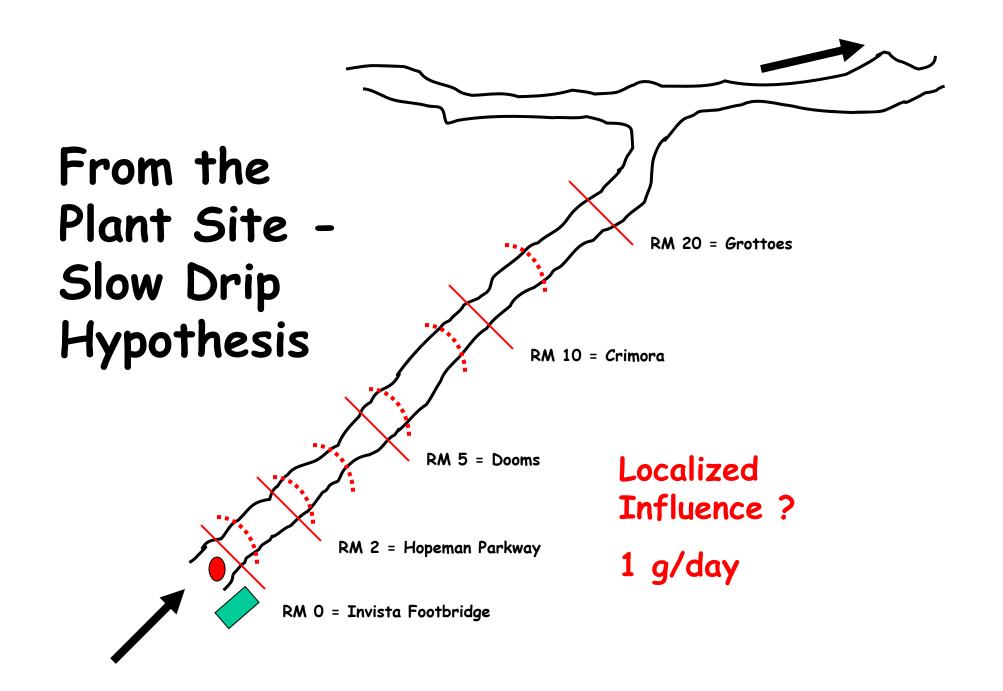


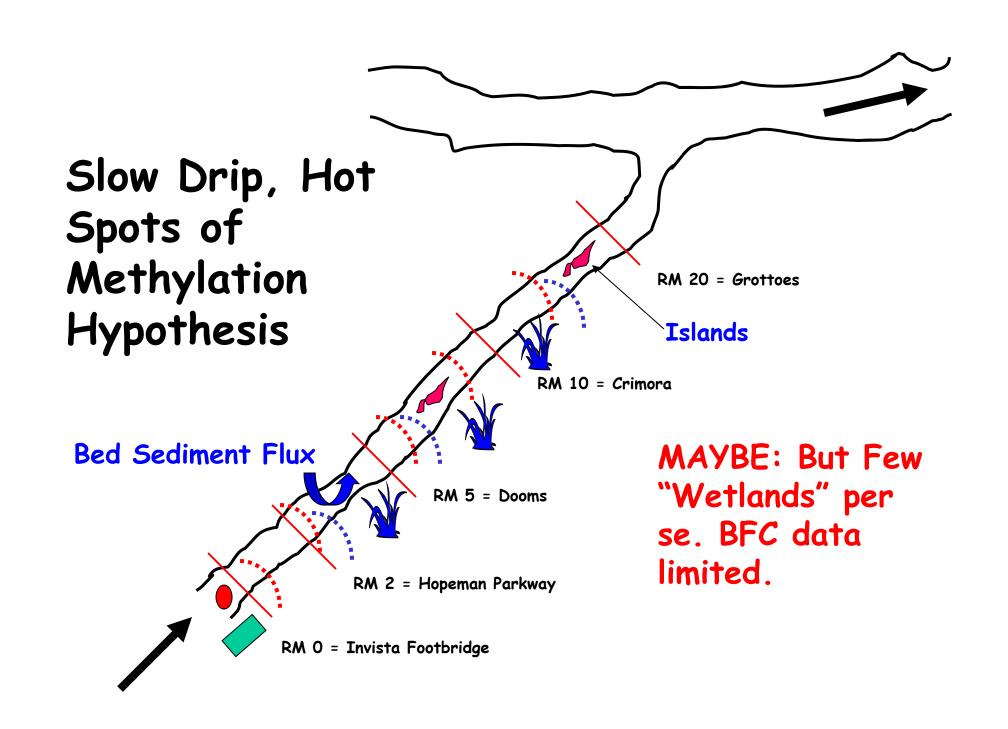


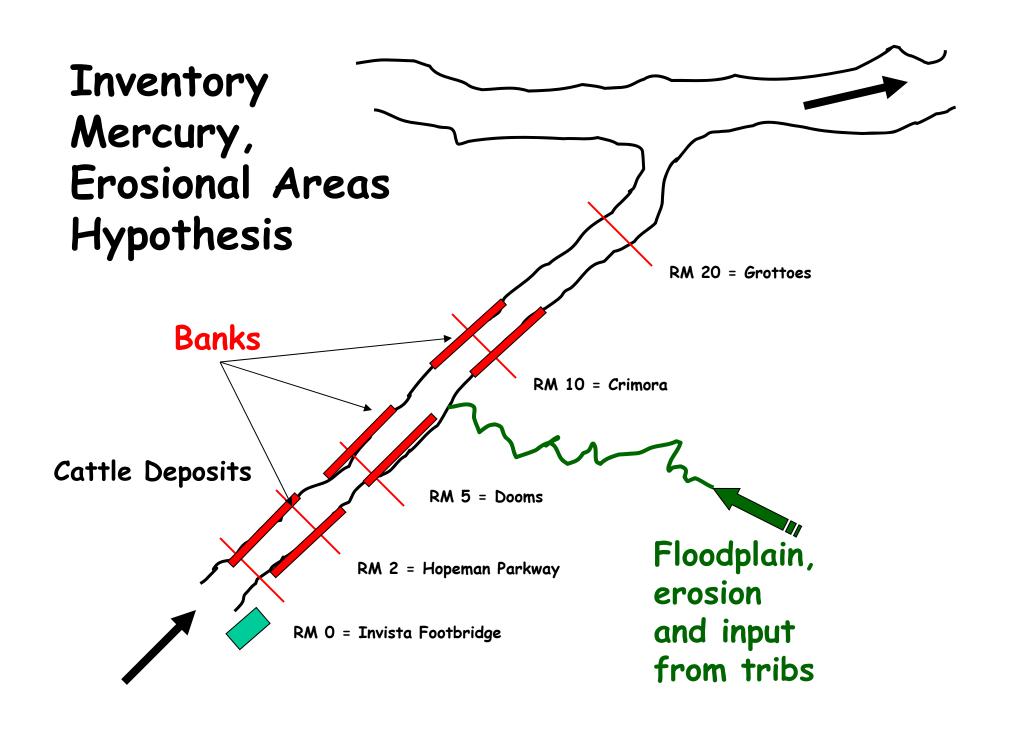
Conceptual System Model of Historical Mercury Contamination and Current Exposure Pathway To Fish in the South River, Virginia.

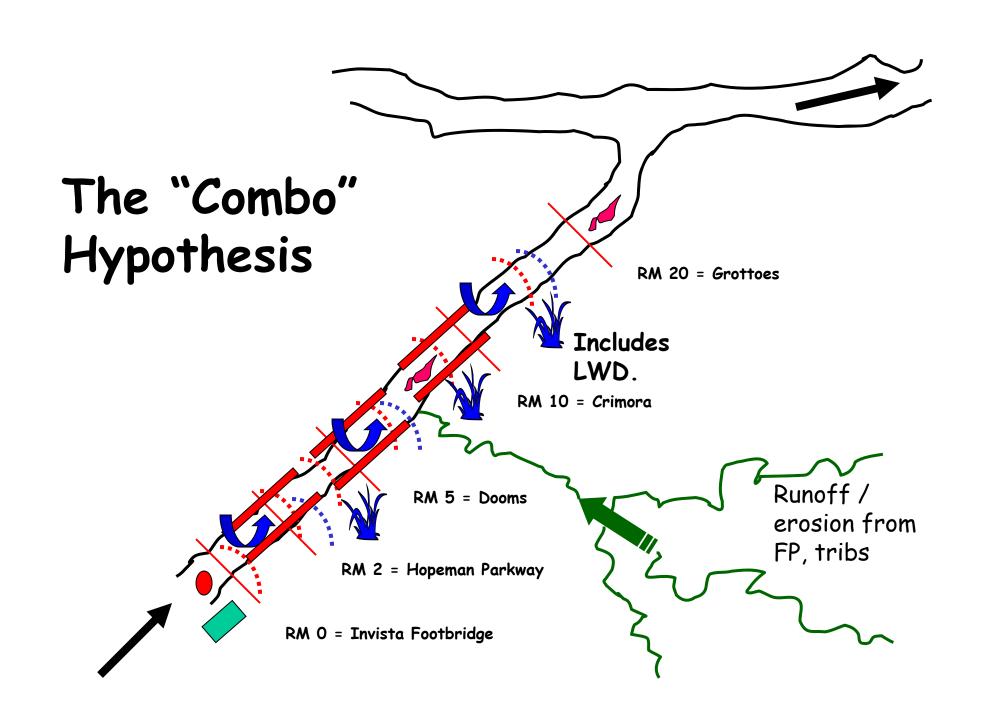


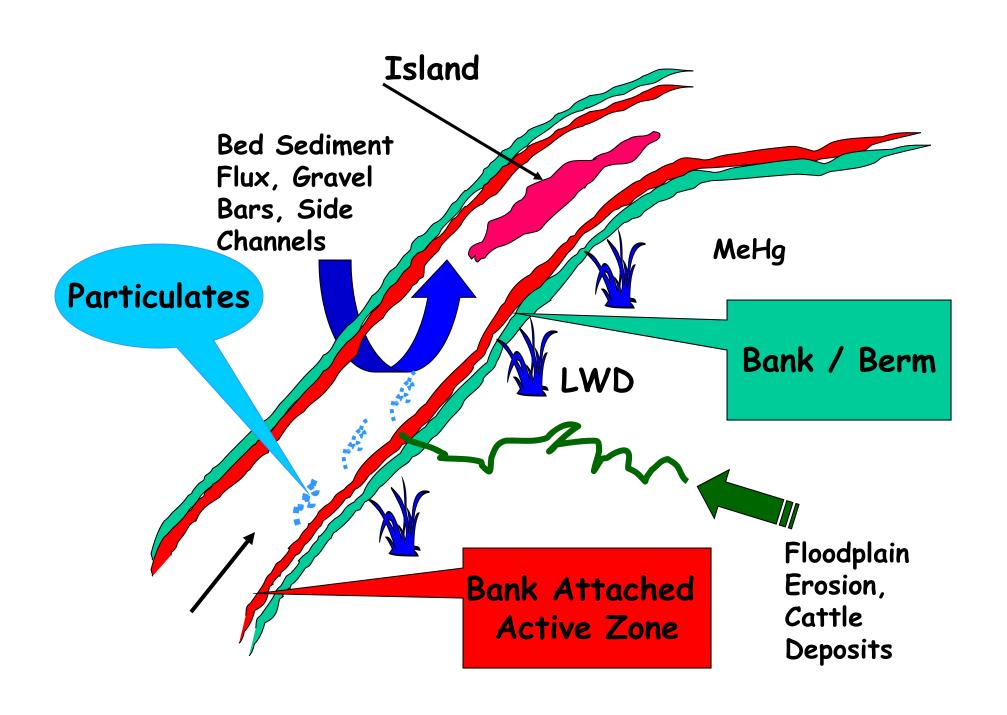


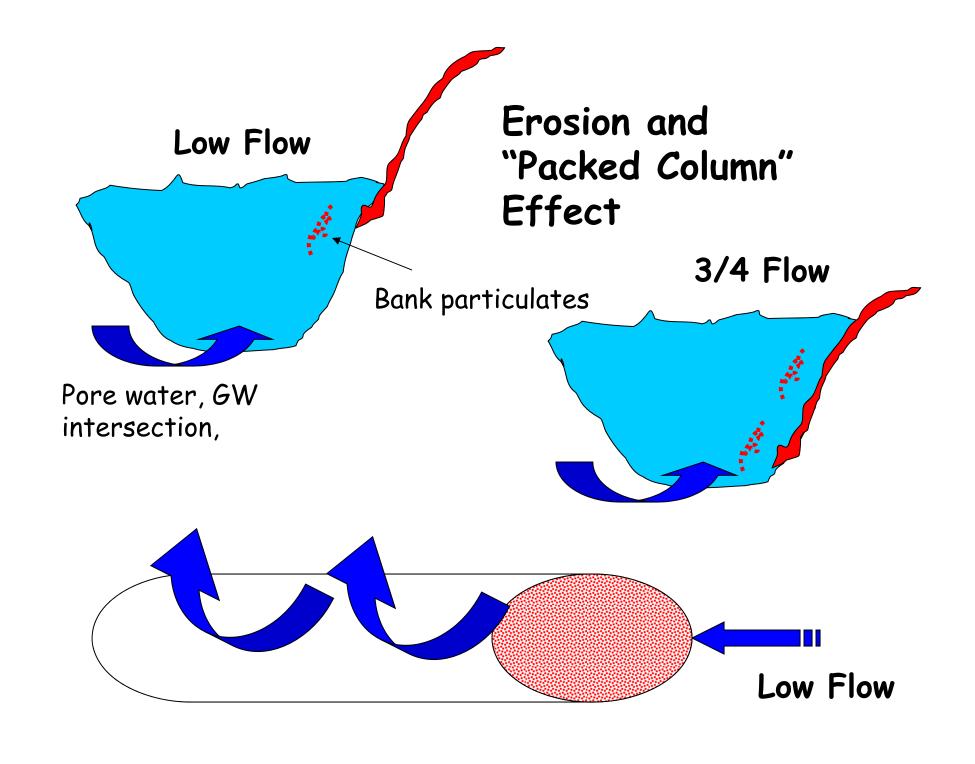


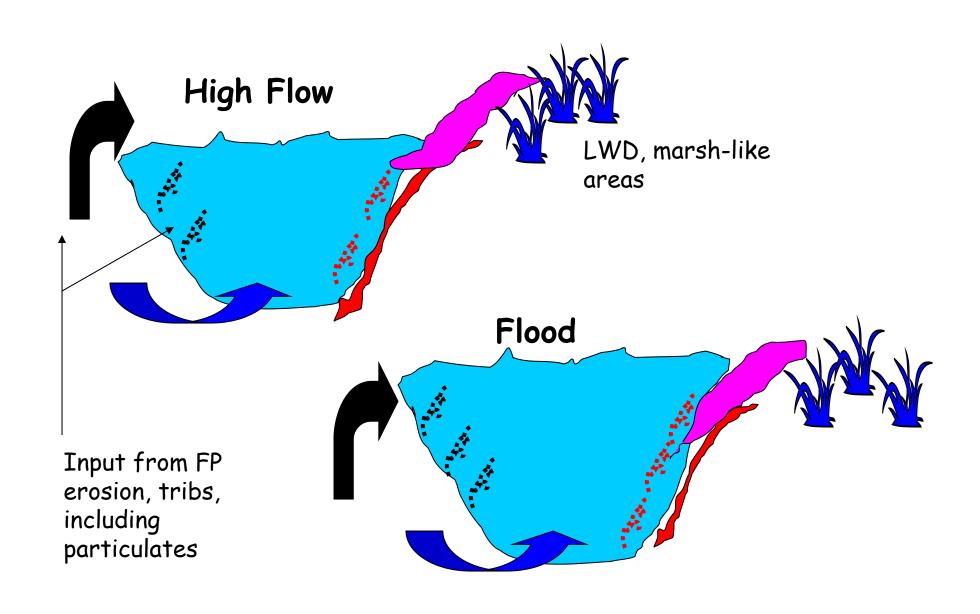






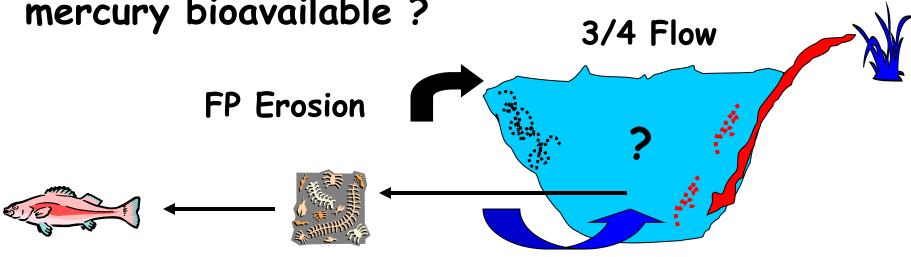






Two Years Later - Bonus Question 1

 If this picture is accurate, what is the mechanism for making the mercury bioavailable?

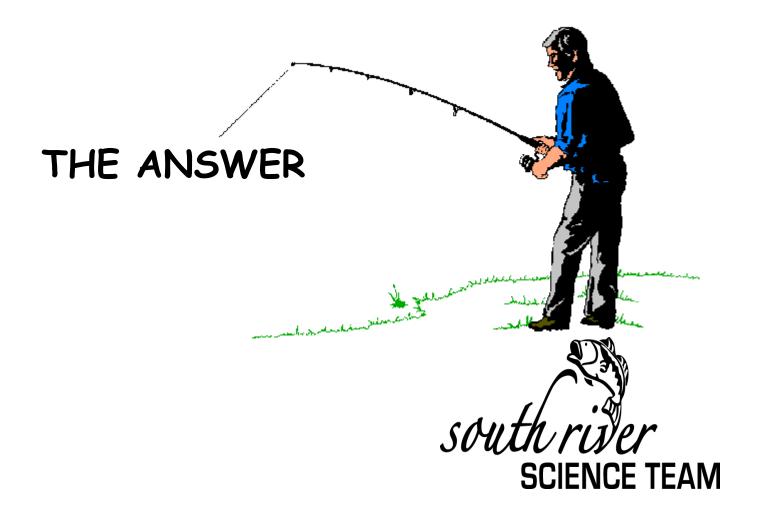


Bed Sediment Flux

Two Years Later - Bonus Question 2

· What are the Relative Contributions (source?) from FP Erosion, Bank Erosion, and Bed Sediment 3/4 Flow Flux? FP Erosion **Bed Sediment Flux**

Sooner, Or, Later



Next Steps





EcoStudy Phase 2

- Assemble data for developing a mercury food web model for the riparian / terrestrial zones. - Dr. Newman
- · Conduct in situ experimental studies
 - benthic flux chamber
 - methylation
 - biological uptake (mesocosm)



Meetings and Publications

- · Meetings
 - NRDA Meeting Nov 12
 - SETAC NA November 16-20
 - NRDC Consultation Nov 18
 - Bio Summit Dec 3
 - International Hg Conf June
- Publications



SRST Meetings - 2009

- · January web based
- · April
- · July
- · October



Discussion



