

**South River Science Team
July 17, 2007 Meeting
Agenda**

Call-in Number: (866) 249-5325, participant code 230874

8:30	Welcome, Introductions	Don Kain
9:00	Working Hypotheses – Where we stand in 2007	Ralph Stahl
9:45	Year 2 Ecological Study Plans	Todd Morrison
10:15	Break	
10:30	Source & Loading Investigations	Dick Jensen Ralph Turner
11:30	Floodplain Study – a Cooperative Study	Calvin Jordan and friends
12:00	Lunch	
1:00	Mallard Investigations	Lucas Savoy
1:45	Mercury in Bats	John Schmerfeld
2:15	TMDL Update	Jack Eggleston
2:45	Wrap up, Action Items	All
3:00	Adjourn	

Working Hypotheses – Where we stand in 2007: Ralph Stahl

Ralph led a discussion on the working hypotheses. As far as source areas, there are two areas of concern; floodplain and bed sediments. What happens to make inorganic Hg into bioavailable form? And plant site still seems to be a source. Work is continuing at plant site; however some believe plant site is not the smoking gun while others think it is a significant source of Hg to the river. There was a lot of discussion on groundwater inputs. “Not a vast area of Swiss cheese.” Groundwater inputs have not been found. Dick stated that 1-10% of dissolved Hg in river comes from groundwater. There was discussion about bed sediments and how they have been sampled in the past. Most discussion was about the “hump” of Hg concentration. There was even more discussion about the floodplain contributions, however not enough work has been done in the floodplain to create a complete data set. Emphasis was put on the importance on future floodplain sampling to the understanding of river inputs. Ralph will send out spreadsheet by mid August (10th). He wants comments by September 15th. He will then consolidate

the comments onto one spreadsheet and discuss it at the Expert Panel Meeting in October.

Year 2 Ecological Study Plans: Todd Morrison

Todd presented plans for the Year 2 Ecological Study. See presentation for details.

Source and Loading Investigations: Dick Jenson and Ted Turner

Dick presented some fresh data of Ted and his work. A more thorough presentation will be made at the October meeting. See presentation for more detail.

Floodplain Study – a Cooperative Study: Calvin Jordan

Calvin outlined the discussions in the previous two meetings of the floodplain workgroup group. Objections, work plan and questions were discussed. More meetings will take place before October meeting where a more definite plan will be presented to the Team for comment. See presentation for more detail.

Ducks and Bats: Lucas Savoy

Results for both the duck and bat studies will be ready by the October meeting. See presentation for more details.

TMDL Update: Jack Eggleston

USGS is in the process of developing numerical models for simulating surface water flows and Hg cycling and transport. See presentation for graphs and data.

Wrap up

Briefing documents wanted by October 1st

Next meeting planed to be expert panel meeting.

Presentations suggested:

- Source and Loading data from Ted and Dick
- Floodplain sampling work plan Calvin Jordan
- Geomorphology work Jim Pizzuto
- Bat and Mallard work Savoy and Yates
- Conceptual Model
- Earthworm results

Next meeting October 10th and 11th with dinner on the 10th location TBA

SOUTH RIVER SCIENCE TEAM MEETING – July 17, 2007

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