Citation Information for Symposium Presentations
Presentations can be found at:

Session 1: Overview of Mississippi River Basin Water Control and Hydrology

Speaker: Len Bahr
Presentation: Restoring a Functional Distributary System for the Lower Mississippi/Atchafalaya Rivers: Challenges and Implications for Coastal Restoration and Gulf Hypoxia

Citation Information
Information not received.

Speaker: Larry Banks
Presentation: Mississippi River Watershed Management—The Big Picture
Status Report on Study of Land Management as Non-Structural Flood Control Measure

Citation Information
Information not received.

Speaker: Gregory McCabe
Presentation: Variability and Trends in the Mississippi River Basin Streamflow

Citation Information
Note: Currently awaiting authorization to post presentation.

Session 2: Trends in Sources and Transport of Nutrients and Sediment within Major Tributaries of the Mississippi–Atchafalaya River Basin (MARB)

Speaker: William Battaglin
Presentation: Streamflow and Nitrogen, Phosphorus, and Silica Flux at Selected Sites in the Mississippi River Basin, 1980-2005

Citation Information
Note: Currently awaiting authorization to post presentation. Presenter plans to send the approved version of the presentation at a later date.

1. The new toxics program hypoxia web site is my primary reference-
http://toxics.usgs.gov/hypoxia (this should be up by 11/20)
The statistical data represented in the maps and charts in Mr. Maresch’s PowerPoint presentation come from the National Resources Inventory (NRI) database. Specifically—

- Slide #5: Chart is based on data from the 2003 Annual NRI. The data are available online at [http://www.nrcs.usda.gov/technical/land/nri03/nri03landuse-mrb.html](http://www.nrcs.usda.gov/technical/land/nri03/nri03landuse-mrb.html). Chart was developed specifically for this presentation.

- Slide #6: Chart is based on data from the 2003 Annual NRI. Chart (in slightly modified format) and data are available online at [http://www.nrcs.usda.gov/technical/land/nri03/nri03eros-mrb.html](http://www.nrcs.usda.gov/technical/land/nri03/nri03eros-mrb.html).

- Slide #7: Map is based on data from the 1997 NRI. Map is published online at [http://www.nrcs.usda.gov/technical/land/meta/m5112.html](http://www.nrcs.usda.gov/technical/land/meta/m5112.html).

- Slide #20: Chart is based on data from the 2003 Annual NRI. Data are available online at [http://www.nrcs.usda.gov/technical/land/nri03/nri03landuse-mrb.html](http://www.nrcs.usda.gov/technical/land/nri03/nri03landuse-mrb.html). Chart was developed specifically for this presentation.

- Slide #21: Chart is based on data from the 2003 Annual NRI. Data are available online at [http://www.nrcs.usda.gov/technical/land/nri03/nri03eros-mrb.html](http://www.nrcs.usda.gov/technical/land/nri03/nri03eros-mrb.html). Chart was developed specifically for this presentation.

- Slide #22: Chart is based on data from the 2003 Annual NRI. Data are available online at [http://www.nrcs.usda.gov/technical/land/nri03/nri03landuse-mrb.html](http://www.nrcs.usda.gov/technical/land/nri03/nri03landuse-mrb.html). Chart was developed specifically for this presentation.

- Slide #23: Map is based on data from the 2003 Annual NRI. Data and a nationwide version of the map are available online at [http://www.nrcs.usda.gov/technical/land/nri03/nri03eros-mrb.html](http://www.nrcs.usda.gov/technical/land/nri03/nri03eros-mrb.html).

- Slides #24-27: Maps are based on data from the 1997 NRI. They were developed specifically for this presentation, but are derived from nationwide maps previously published on the NRI website. Information on the 1997 NRI is available online at [http://www.nrcs.usda.gov/technical/NRI/1997/index.html](http://www.nrcs.usda.gov/technical/NRI/1997/index.html).

The NRI is a scientifically based statistical survey of natural resource conditions and trends on non-Federal lands of the United States. It is conducted by the U.S. Department of Agriculture’s Natural Resources Conservation Service. Technical documentation about NRI statistical design and estimation procedures is available online at [www.nrcs.usda.gov/technical/NRI](http://www.nrcs.usda.gov/technical/NRI). Specific questions about the data used in Mr. Maresch’s presentation should be directed to Mr. Daryl Lund.
Speaker: Kavya Kasturi
Presentation: Municipal and Industrial Point Sources

Citation Information
2. NOAA Coastal Ocean Program Decision Analysis Series No. 17. NOAA Coastal Ocean Program, Silver Spring, MD. 130 pp.

Items 1, 2, and 3 are fine as is – they are the Topic 3 report, Action Plan, and Integrated assessment all of which the SAB should already have seen. 4 is the Permit Writers' Manual. I’m not sure if this is peer reviewed or if this is relevant information - it's essentially EPA guidance. 5 and 6 are from the epa.gov/msbasin website and I do not know proper citations for this. I put the links at the end of the citation. Hopefully you can work with this. Let me know if you need anything else from me.

Session 3: Transport and Transformation Processes within Major Tributaries of the MARB

Speaker: Simon Donner
Presentation: Hydrology (Precipitation) and Land-Use Change

Citation Information
1. Donner, SD and Scavia, D. How climate affects nitrogen flux by the Mississippi River and the development of hypoxia in the Gulf of Mexico. Limnology and Oceanography, in press


---

**Speaker:** Larry Brown  
**Presentation:** Subsurface Drainage: Status and Impact on Nutrient Transport  
**Citation Information**  
Information not received.

---

**Speaker:** Durelle Scott  
**Presentation:** Riparian Nutrient Processing  
**Citation Information**


Speaker: Todd Royer
Presentation: Do In-stream Transformations Affect Nitrogen Loading to the Mississippi River?
Citation Information

Speaker: Emily Stanley
Presentation: Phosphorus Dynamics in Headwater Basins of the Upper Mississippi River in Wisconsin

Citation Information

Speaker: William James
Presentation: Phosphorus Forms, Fluxes, and Transformations in the Upper Mississippi River

Citation Information
Information not received.

Session 4: Characterization of Sources, Transport, and Fate of Nutrients and Sediment from Major Tributaries to the Mainstem MARB and the Gulf of Mexico
I am only at the initial stages of preparing a ms related to my talk at the symposium, but here is the literature I considered in preparing the talk--

1. Literature related to MARB-SFT presentation, “Downstream patterns in Si, N, and P in the Upper Mississippi River Basin”—Brian Hill
3. Dodds, WK. 2006. Nutrients and the “dead zone”: the link between nutrient ratios and dissolved oxygen in the northern Gulf of Mexico.

Speaker: Jeff Houser
Presentation: Nutrients, Chlorophyll, and Suspended Sediment in the Upper Mississippi River: Patterns in Time and Space
Citation Information
Information not received.

Speaker: William James
Presentation: Nitrogen Processing in Flow-Controlled Backwater Systems of the Upper Mississippi River
Citation Information
Information not received.

Speaker: Stephen Faulkner
Presentation: Achieving Hypoxia Action Goals in the Lower Mississippi Valley
Citation Information
Note: Currently awaiting authorization to post presentation.

Session 5: Modeling of Sources, Transport, and Fate of Nutrients and Sediment

Speaker: David Mulla
Presentation: Small-to-Intermediate-Scale Modeling
Citation Information
Information not received.

Speaker: Greg McIsaac
Presentation: Net Anthropogenic Nitrogen Inputs (NANI) to the Mississippi River Basin
Citation Information

Speaker:  Richard Alexander
Presentation: Advances in Estimating Nutrient Sources, Transport, and Fate in the Mississippi/Atchafalaya River Basins Using the SPARROW Model

Citation Information

Note: Currently awaiting authorization to post presentation.


Note that many of the findings from the presentation were based on an analysis and manuscript that is in preparation:
Alexander, R.B., Smith, R.A., Schwarz, G.E., and E.W. Boyer, in prep., Structural and geographic differences in the sources and transport of nitrogen and phosphorus in the Mississippi and Atchafalaya River Basins. Because this in prep, work has not yet received USGS approval, public access should not be given to my PowerPoint presentation from the nutrient symposium.
Speakers: Simon Donner & Christopher Kucharik
Presentation: Large-Scale Modeling: IBIS-THMB Dynamic Modeling System
Citation Information
Note: This information is repeated from above.


Speaker: Philip Gassman
Presentation: Application of SWAT to the Upper Mississippi River Basin and Other Watersheds
Citation Information
Information not received.

Speaker: Stephen Smith
Presentation: Fates of Eroded Soil Organic Carbon in the Mississippi Basin
Citation Information

   impoundments in the sediment budget of the conterminous United States.
   Geomorphology 71: 99-111.
   eroded soil organic carbon: Mississippi Basin case study. Ecological Applications
   15: 1929-1940. (primary literature source for this presentation)
6. All data organized and analyzed by USGS HUC8 cataloging units, then aggregated
   to 5 sub-systems of the MS Basin.
8. Soil composition data, including floodplain delineation: NRCS STATSGO.
9. River flow and composition data: USGS Mississippi River Basin NASQAN
   Program.
10. Large, inventoried water bodies: USACE NID.
11. Small water bodies: USGS NLCD, as extracted by Smith et al., 2002, Science of
    the Total Environment.
12. Miscellaneous other data sources for ancillary information.

**Session 6: Lessons from Other River Systems**

Speaker: Wilfred Wollheim
Presentation: Nitrogen Removal Capacity of Entire River Networks—Interactions of Geomorphic, Hydraulic and Biological Factors

**Citation Information**
Information not received.

Speaker: Todd Rasmussen
Presentation: Nutrient Problems and Abatement Strategies in the Pearl River Delta, China

**Citation Information**
1. Chen, Yongqin David, 2001, Sustainable Development and Management of Water
2. China Environmental Protection Agency, 2000, Pearl River TMDL Study (in
   Chinese), 9th Five-Year Key Study Plan (1996-2000), Guangzhou, China
3. Hills, Peter, Zhang Lei, and Liu Jianhua, 1997, Pollution of the Pearl River:
   Implications for Environmental Policy and Management in Hong Kong and the
   Delta Region, Paper presented at the Guangdon - Hong Kong World Environmental
   Day Forum, organized by the South China Institute of Environmental Sciences,
   Guangzhou, China.
4. Jun, Xia, and Yongqin David Chen, 2001, Water problems and opportunities in the