

**Science Advisory Board  
Hypoxia Advisory Panel  
Draft Outline for Subgroups 2 and 3  
(for discussion on April 16, 2007)**

2.2. Characterization of Nutrient Rate, Transport, and Sources (Charge Question II)

2.2.1. Data and Models on Loads, Fate, and Transport of Nutrients

- 2.2.1.1 Temporal characteristics of Nutrient Loads and Fluxes
- 2.2.1.2 Mass Balance of Nutrients
- 2.2.1.3 Nutrient Transport
- 2.2.2. Ability to Route Nutrients and Predict their Delivery to the Gulf
- 2.2.2.2 Overview of Models

2.3. Scientific Basis for Goals and Management Options (Charge Question III)

2.3.1. Scientific Basis for Goals and Management Options

- 2.3.1.1 Revising the Reduction Goal for the Size of the Hypoxic Zone
- 2.3.1.2 Protecting Water Quality and Social Welfare in the Basin
- 2.3.1.3 Cost-Effective Approaches to Implementation
- 2.3.2 Reduction Targets

2.3.3. Options for Managing Nutrients, Co-benefits, and Consequences

- 2.3.3.1 Agricultural drainage
- 2.3.3.2 Wetlands and deepwater habitats
- 2.3.3.3 Conservation buffers
- 2.3.3.4 Cropping Systems
- 2.3.3.5 Animal production systems
- 2.3.3.6 In Field Nutrient Management
- 2.3.3.7 Most Effective Actions for other Non-Point Sources
- 2.3.3.8 Most Effective Actions for Industrial and Municipal Sources
- 2.3.3.9 Ethanol and Water Quality
- 2.3.3.10 Optimizing Land Management Strategies