

Management Needs Primer

Some key **model** needs identified yesterday.....

- Evaluate tradeoffs under varying diversions and hypoxia management scenarios to individual species and functional groups
- Evaluate alternative operations and mitigation strategies. Both before and after project implementation
- Define quantifiable ecosystem-related and/or fisheries metrics and goals to evaluate success
- Inform environmental compliance processes
- Incorporate fisheries and societal changes and/or effects
- Evaluate and define uncertainty
- Address complex dynamics, such as cumulative, interactive, and/or synergistic effects.

Plenty of uncertainty, plan to adapt....

Management Needs Primer

Key words from white paper.....

- Biological effects
- Predator-prey interactions
- Food web structure
- Oyster impacts
- Recreational and commercial fishing
- Climate change and SLR
- Impacts of marsh changes
- Biological effects
- Ecological resilience
- Habitat squeeze
- Species distribution
- Invasive species
- Alternative management strategies
- Eutrophication and hypoxia

Expected Outputs

**Management
Needs**

(Breakout Session 1)

**Model
Matrix**

(Breakout Session 2)

*Ecosystem Modeling Adaptive
Management Framework*

(Breakout Session 3)

