

System-wide Assessment of South Florida Ecosystems

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Workshop Components

5 Parts:

- Northern Estuaries
 - oysters, macrobenthic communities, seagrasses
- Lake Okeechobee
 - overall lake status
- Greater Everglades
 - vegetation indicators, aquatic fauna, EDEN connections
- Southern Estuaries
 - BB salinity, water quality, SAV, fish/invertebrates
- System-Wide Science
 - history, current, future
 - relevance for managers
 - foundation of technical argument for re-authorization

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Looking Back...

- Applied Science Strategy
- Monitoring & Assessment Plan (MAP)
 - CEMs, Hypotheses, and PMs
- Assessment Strategy (MAP, Part 2)
- System Status Reports (2006, 2007)
- **EXAMPLE – applies to all MAP monitoring**

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Currently...

- Extensive MAP monitoring & research
- Application of assessment protocols & detection of change
- Interface of MAP monitoring & CERP projects
- Using system-wide science to inform decision-making using AM
- **EXAMPLE— Northern Estuaries Oysters**
 - Oyster PMs, Predictive Tools (HSI), monitoring & assessment, options informed by science for decision-making

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Looking Forward...

- MAP Refinement – streamlined hypotheses, PMs, and Monitoring
- Using AM to reduce risk and uncertainty (benchmarks, thresholds)
- Effective communication between scientists & decision-makers (i.e., reporting, options for decision-making etc.)
- Overcoming issues of scale (i.e., integration across boundaries MAP modules)
- Integration of system-wide and CERP project-level data for assessment and refinement of the Plan
- **EXAMPLE– GE/SE Interface**
 - Everglades Depth Estimation Network (EDEN) and Coastal Gradients of Flow, Salinity and Nutrients