



# Monitoring Network Optimization

Introduction to the Process and  
Current Projects

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# Network Optimization

- ✓ All environmental monitoring must be examined for need and value
- ✓ Monitoring workload is expected to go up over three fold
- ✓ Experience suggests that a lot of data are never used
- ✓ EMA must ensure efficient use of resources

# Network Optimization: Topics for Consideration

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- ✓ Relevance to District mission
- ✓ Appropriateness of Environmental Design
- ✓ Statistical Importance of Stations;  
Redundancy
- ✓ Costs, Benefits and Partnerships

# Network Optimization: The process is NOT -

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- ✓ A veiled attempt to eliminate monitoring and impede research
- ✓ A means of re-directing contract dollars away from environmental data collection
- ✓ A detailed statistical and environmental evaluation of the period of record

# South Florida Coastal Monitoring Network Optimization

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- ✓ Evaluation in progress for 177 station network; report to data users soon
- ✓ Environmental design aspects considered
- ✓ Statistical analysis done on salinity, TP, TN and Chlorophyll 'a'
- ✓ Relevance to mission; District funds the whole project

# Other Network Optimization Activities

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- ✓ All monitoring stations (ca. 2,500) are being examined for need (agreements, mandates)
  - Type I: Complete Mandate (w. detail)
  - Type II: General Mandate (w/o detail)
  - Type III: Mission driven need or request
- ✓ As resources are available, networks will then be examined for design, statistical value and funding partnerships