

Monitoring Network Optimization

Introduction to the Process and
Current Projects

Naomi Duerr and Garth Redfield,
EMA

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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

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

Network Optimization:

The process is NOT -

- ✓ 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

- ✓ 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

- ✓ 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