Registration Responses Regarding Monitoring
Where Effectiveness Monitoring Has Been Done

- CWA 319 project locations: 11
- Via ambient monitoring stations: 8
- Where "implementation" has occurred: 8
- Locations with TMDLs: 6
- NWQI projects/areas: 5
- Specific projects or areas: 4
- Locations with NPDES permits: 2

Number of states/territories noting the location
What Would Help the Development of Effectiveness Monitoring Plans

- Good examples
- Resources for monitoring / plans
- Technical support
- Guidance
- Communicating with other states
- A longer planning framework
- Lit. review on BMP effectiveness

Number of states/territories noting the assistance
Specific Topics for Good Examples

• Examples of effectiveness monitoring plans that:
  – Address slow restoration, and those for fast restoration
  – Address complex problems, and those for simple problems
  – Simultaneously address inland and coastal areas
  – Are bad as well as those that are good
  – Involve narrative criteria

• Examples of a QAPP used for:
  – Municipalities / volunteer organizations to provide data
  – CWA 319(h) BMP effectiveness monitoring for streambank restoration detention basin retrofits, etc.
Specific Topics for Good Examples

- Monitoring design and robust statistical analysis
- How to Evaluate project-scale BMPs
- How to decide where to monitor
- How to incorporate effectiveness monitoring into existing networks and programs
- Other data sources
- Facilitating citizen science
- Road crossing replacements
Ways that CWA 303(d) and Monitoring Programs Have Coordinated

- Programs are under the same management: 14
- Regular coordination on monitoring needs: 10
- CWA 303(d) staff provide field support: 4
- CWA 303(d) staff review the monitoring plan: 2
- Physical proximity of staff: 1
- Many staffers involved in both programs: 1
- Monitoring program keeps capacity for 303(d): 0

Number of states/territories noting the method
Sources of “External” Data

- Volunteer / watershed groups
- Federal agencies
- Other state agencies
- Permit holders
- Universities
- Local government (county/muni)
- Other
- Bordering states
- Tribes

Number of states/territories noting the data source
Federal Agency Sources of Data

- USGS
- Corps
- USFS
- BLM
- NOAA
- NRCS
- TVA
- Energy
- NMFS
- NPS
- Reclamation
- Superfund
- USF&WS

Number of states/territories noting the data source
Use of “External” Data

- Assessment
- TMDL development
- Determining effectiveness

Number of states/territories noting the use