



Blue Print for Wetland Monitoring

Technical Training Component

Training Part 1

◆ One Week Course

- Taken by all personnel developing and implementing state/tribal monitoring programs

◆ Introduce all concepts and applications of wetland monitoring

◆ Course title: Integrated Approach to Wetland Monitoring

Day 1: Overview of Monitoring the Ecological Integrity of Wetlands

◆ Topics covered include:

- Need for and goals of wetland monitoring
- Developing Program objectives
- Program and Project management
 - ◆ Volunteer monitoring, staffing, implementation
- Intro to landscape level approach, bio monitoring and assessment, and HGM approach
- Overview of types of current CWA program monitoring
 - ◆ Illustrating how and where wetlands fit into overall scheme

Day 2: Landscape Assessment Methods

◆ Topics covered include:

- Basics of Synoptic Method
 - ◆ Prioritizing watersheds for monitoring
- GIS methods
- Using landscape profiling to assess condition
- Using landscape info to classify wetland types
- Info generated on wetland condition
- Where to obtain further training

Day 3: Site Assessment-Rapid Assessment Methods

◆ Topics covered include:

- Intro to rapid assessment methods
- Different methods in use currently
 - ◆ Advantages and disadvantages of each
- Info generated by rapid assessment
- Linking rapid assessment info to landscape level data
 - ◆ Ground-truthing, refining wetland classification

Day 4: Site Assessment- Intensive Methods

- ◆ Topics covered include:
 - Intro to quantitative methods
 - Basics of HGM and Bioassessment
 - Selecting sites and parameters
 - Field sampling and quality assurance
 - Linking intensive site assessment methods to rapid assessment data
 - Examples of intensive methods to assess condition
 - ◆ Advantages and disadvantages

Day 5: Data Management, Analysis, and Reporting

◆ Topics covered include:

- Data management systems
 - ◆ STORET
- Data Analysis from three assessment levels
- Reporting finds in 305(b) report using a case study
- Analyzing data to address program objectives
- Further training
- Wrap-up

Training Part 2

- ◆ Classes in specific fields where needed by state/tribal personal
- ◆ Goal: to identify what courses are already available and where gaps exist
- ◆ Specific areas needed to help implement the Wetland Monitoring Strategy include
 - Landscape Assessment
 - Rapid Assessment
 - HGM
 - Bioassessment
 - Data management and analysis