

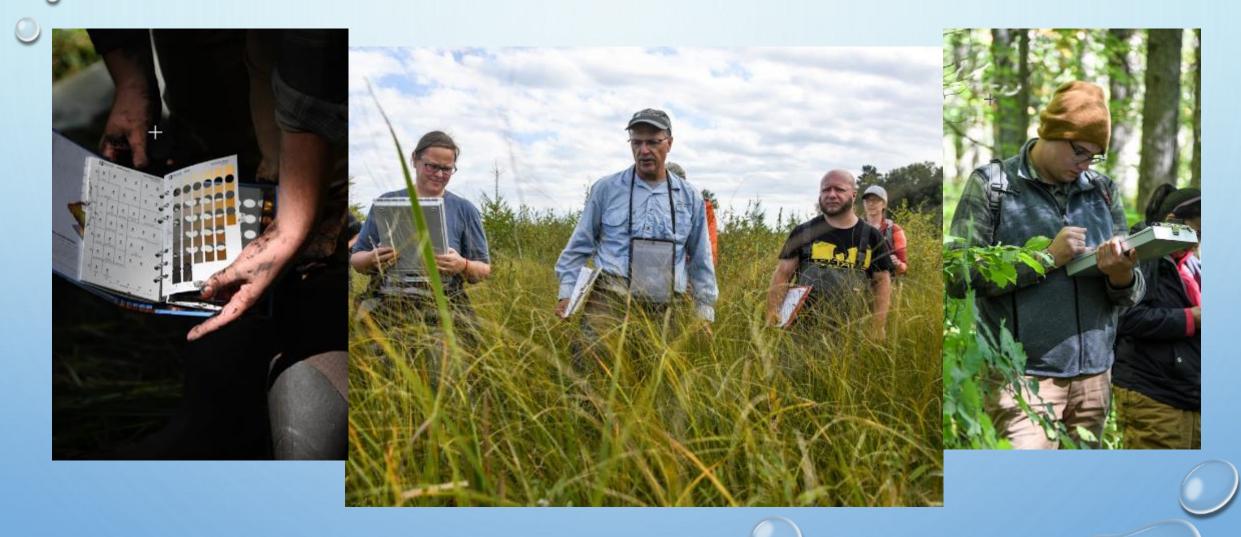
WETLAND MONITORING & ASSESSMENT BASICS

KERRYANN WEAVER, US EPA REGION 5, CHICAGO WATER DIVISION, WATERSHEDS AND WETLANDS BRANCH

CLEAN WATER ACT SECTION 404/WETLANDS PROGRAM







MONITORING AND ASSESSMENT

- DECEPTIVELY SIMPLE WORDS
 - STATUS, HEALTH, & FUNCTIONALITY
 - DECISION MAKING & PLANNING
- SUPPORTS
 - ESTABLISHING A BASELINE OF EXTENT, CONDITION & FUNCTION
 - DETECTING CHANGE
 - CHARACTERIZING TRENDS





RECOMMENDED APPROACHES

HTTPS://WWW.EPA.GOV/WETLANDS/WETLANDS-MONITORING-AND-ASSESSMENT

- LEVEL 1, "LANDSCAPE ASSESSMENT"
 - COARSE, LANDSCAPE SCALE INVENTORY INFORMATION
 - REMOTE SENSING/GIS
 - CLASSIFICATION
- LEVEL 2, "RAPID ASSESSMENT"
 - USING RELATIVELY SIMPLE, RAPID PROTOCOLS
 - ORAM, MNRAM, WIRAM, ETC.
- LEVEL 3, "INTENSIVE SITE ASSESSMENT"
 - INTENSIVE RESEARCH-DERIVED, MULTI-METRIC INDICES



KEY RESOURCES FOR DEVELOPMENT

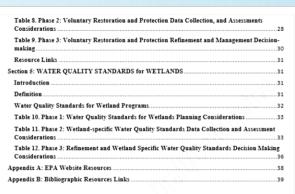
- CORE ELEMENT FRAMEWORK (CEF)
 - MONITORING AND ASSESSMENT
 - VOLUNTARY RESTORATION & PROTECTION
 - **REGULATORY**
 - WETLAND WATER QUALITY STANDARDS
- REVISED CEF: FEBRUARY 2023

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TRIBAL, STATE, AND TERRITORY

WETLANDS PROGRAM CORE ELEMENT FRAMEWORK

2022







KEY RESOURCES FOR DEVELOPMENT



Wetland Program Plans

A resource to assist states and tribes in developing strategic approaches to achieve comprehensive Wetland Programs

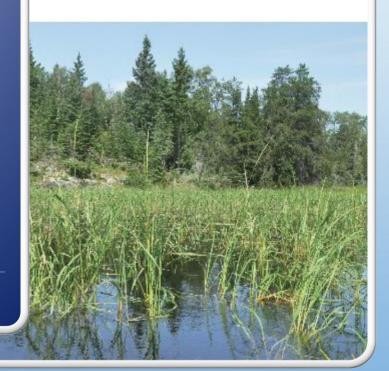
Handbook

United States Environmental Protection Agency

Protecting Waters and Wetlands in Indian Country:

A Guide for Developing Tribal Wetland Management Programs

May 2022 EPA 840321005



- 2013 WETLAND PROGRAM PLAN HANDBOOK
 - ASWM/NAWM SUPPORTED
 - CORE ELEMENTS & STRATEGIC PLANNING
- PROTECTING WATERS & WETLANDS IN
 INDIAN COUNTRY
 - TRIBAL CONTEXT & FOCUS
 - TRADITIONAL ECOLOGICAL KNOWLEDGE
 - CASE STUDIES



THANK YOU!

- PROGRAM NEEDS
- EXISTING RESOURCES
- LEARN FROM OTHERS
- CONNECT