The Mission/Purpose of the Wetlands Subcommittee is:

1) to promote standards of accuracy and consistency in spatial wetlands data financed in whole or in part by Federal funds;

2) to exchange information on technological improvements for collecting spatial wetlands data;

3) to encourage the Federal and non-Federal communities to identify and adopt standards and specifications for spatial wetlands data; and

4) to collect and process the requirements of Federal and non-Federal organizations for spatial wetlands data.
Introduction

Members organizations include – but are not limited to:

- Department of Interior
- Department of Commerce
- Department of Defense
- Department of Energy
- Department of Agriculture
- Department of Homeland Security
- Department of Housing and Urban Development
- Department of Transportation
- Environmental Protection Agency
- National Capital Planning Commission
- Tennessee Valley Authority
NGDA Data Themes and Data Sets

• The National Wetland Inventory falls under the purview of the Wetlands Subcommittee
  • Dataset Manager: Mitch Bergeson, USFWS

• The Wetlands Subcommittee is associated with the Inland Water Theme.
  • Theme Co-Leads: Becci Anderson, USGS and Megan Lang, USFWS
Recent Developments/Projects

- Additions to the NSDI wetlands layer
- Wetland Mapping Targeting Tool
- Interagency Wetland Mapping Workgroup
- Wetlands Status and Trends project
NSDI Wetlands Layer (NWI Geospatial Dataset)

- 33+ million features
- Over 1 million website views annually
- 1,000+ unique users per day
- 50+ data downloads per day
- 500 maps printed per day

www.fws.gov/wetlands/Data/Mapper.html
NSDI Wetlands Layer

FY17 Additions
- 30M acres contributed by 9 federal, state, and local agencies
- All data were subject to rigorous quality control and assurance protocols and met the FGDC National Wetlands Classification Standard

Example:
New Jersey
4.5M acres
NSDI Wetlands Layer

FY17 Additions
- 30M acres contributed by 9 federal, state, and local agencies
- All data were subject to rigorous quality control and assurance protocols and met the FGDC National Wetlands Classification Standard

Example:
Nevada
5.4M acres
Focus: Sage Grouse Habitat
NSDI Wetlands Layer

FY17 Additions
- 30M acres contributed by 9 federal, state, and local agencies
- All data were subject to rigorous quality control and assurance protocols and met the FGDC National Wetlands Classification Standard

Example:
Oklahoma Little Deep Fork Watershed
Introduction

- Want to identify areas with greatest need for updated NWI data to guide the investment of limited resources
  - Dataset age alone should not determine update priority
    - Data are still contemporary if land cover has not changed

The WMTT was developed to guide investment of resources to best meet needs of a wide array of users.

- Easy to use
- Spatially explicit
- Can be tailored to meet multiple application needs
- Facilitates the budgeting and justification process
- Helps ensure that the NWI dataset is contemporary
Two primary inputs:
• Raster foundation
• Vector overlays

❖ Raster foundation based on four inputs
• Land cover change
• Population growth
• Wetland density
  • Averaged within HUC12
• Base image properties
  • Spatial scale
  • Emulsion
  • Year
WMTT Raster Foundation
Gray = Active Projects
Vector Overlays
Vector Overlays
Wetland Mapping Targeting Tool

Summary

• Future updates to the NSDI wetlands layer will be guided by the WMTT.
  • Easy to use, spatially explicit, and can be tailored to meet multiple application needs.

❖ Next Steps

• Share WMTT with partners
  • ArcGIS online
  • REST services

❖ Gather feedback
❖ Make additions / modifications where necessary
Interagency Wetland Mapping Workgroup

Introduction

• Formed in 2016 with members from NOAA, USGS, and USFWS — including managers of research and operational datasets that directly support wetland mapping
  • IWMW supports the Wetlands Subcommittee through the open exchange of data and techniques across federal agencies to best support the development of the Wetlands layer of the NSDI.

❖ FY17: Led session at Society of Wetland Scientists entitled: “Mapping and Monitoring Wetlands Across the US to Support Strategic Management of Natural Resources”
Monitoring component of the National Wetlands Inventory

- Survey based dataset produced on a decadal time-step
- Temporally consistent information on wetland and deepwater habitat area and change to support broad-scale policies

2019 S&T Report

- Data collection will be initiated in FY18
- Report expected FY22
  - Data will be used to supplement and further target updates to the NSDI wetlands layer.
Next Steps

- In the coming year, the Wetlands Subcommittee hopes to:
  - Develop a maintenance communications plan.
  - Further vet the Wetland Mapping Targeting Tool.
  - Establish a data development subgroup.
  - Continue communications with other federal agencies regarding data and techniques that could be used to support development of the wetlands layer of the NSDI.
  - Support production of outreach publications.
  - Review Wetlands Subcommittee charter
Questions?

Megan Lang, USFWS
(703) 358-2103
Megan_Lang@fws.gov