Wetland Mapping Consortium Presents:

Mapping Wetland Inundation Dynamics and Wetland Change using Google Earth Engine

Presented By:
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Melanie Vanderhoof, PhD with the U.S. Geological Survey

Hosted by the Association of State Wetland Managers
Supported by the U.S. Fish & Wildlife Service
Agenda

• Welcome, General Info & Introductions - 10 minutes

• Webinar Presentation – 40 minutes
  • Qiusheng Wu - 20 minutes
  • Melanie Vanderhoof - 20 minutes

• Question & Answer - 20 minutes
Welcome!

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**TIP:** Close out other non-essential programs on your desktop.
Webinar Schedule and Recordings

Association of State Wetland Managers - Protecting the Nation's Wetlands.

ASWM Upcoming Webinars
- Wetland Mapping Consortium Webinar: Navigating Wetland Identification Dynamics and Wetland Change using Google Earth Engine - 9/24/19
- Hot Topics Webinar: Importance of Wetlands to Native Americans - 9/17/19

Pre-Proposal Mitigation Rule Comment Letters Due August 9th

The U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency (the Agencies) have proposed a rulemaking to revise the compensatory mitigation regulations. They are seeking feedback about how this rulemaking might affect state, tribal, and local governments and any recommendations regarding content of a rulemaking that you may have. Potential changes identified by the Agencies include: removal of the IRT Process; alternatives to add efficiencies in mitigation bank and IIF program evaluation; compliance with Miscellaneous Accountability Standards; IIF program accounting; multi-purpose compensation projects; changes to the mitigation regulations to address State/Tribal assumption of the Section 404 program; and clarification for principal unit of credits for stream mitigation projects. A pre-proposal comment period was initiated on Thursday, June 20 and concludes on Friday, August 9, 2019. Comments can be submitted to MitigationRuleAmendment@usee.army.mil and copied to MitigationRuleStates@epa.gov.

EPA Issues Guidance on Clean Water Act Water Quality Certification

On Friday, July 6th, the U.S. Environmental Protection Agency (EPA) released its guidance on Section 401 of the Clean Water Act (CWA). Under Executive Order 13808, "Promoting Energy Infrastructure and Economic Growth," EPA was directed to issue guidance for federal policies that protect the nation's wetlands and waterways while allowing the efficient delivery of energy infrastructure projects.
Webinar Schedule and Recordings
Future Schedule

• Wednesday, September 4, 2019 – 3:00 PM Eastern
  • Lessons Learned from the Minnesota NWI Update
    • Steve Kloiber, Minnesota Department of Natural Resources
    • Robb Macleod, Ducks Unlimited
    • Kevin Stark, Saint Mary’s University of Minnesota

• Wednesday, October 2, 2019 – 3:00 PM Eastern
  • USFS New National Riparian Areas Data Set
    • Sinan Abood, U.S. Forest Service

• Wednesday, October 23, 2019 – 3:00 PM Eastern
  • NLCD 2016 Data
    • George Xian, U.S. Geological Survey
Webinar One

WETLANDS ONE-STOP MAPPING

The Association of State Wetland Managers in collaboration with Virginia Tech’s Conservation Management Institute (CMI) and the U.S. Fish and Wildlife Service’s northeast Region created Wetlands One-Stop Mapping to provide easy online access to geospatial data on wetlands and soils produced by federal and state agencies. The U.S. Fish and Wildlife Service (FWS), through its National Wetlands Inventory (NWI), provide the baseline geospatial data for most of the country. While most data are not on green data, there is not a single place to get these data. Wetlands One-Stop Mapping provides links to those and other websites. It provides online access to classification tools for adding hydrogeographic-type to wetland inventory data and the results of NWI+ projects (maps and reports). The geographic information is linked to aerial imagery and topographic maps through FWS’s ArcGIS Server (including ArcGIS Explorer) for easy viewing of wetlands’ characteristics, functions for areas where NWI+ data are available.

The website also provides links to other federal and state websites that contain information on wetlands and geospatial wetland data. Among the national datasets accessible via the Wetlands One-Stop Mapping are the NWI+ wetlands mapper, USGS’s national hydrography data and hydrologic units (HUDs), links are also provided to NatureServe Explorer and the U.S. National Vegetation Classification (NVC) Explorer along with guidance on how to extract descriptions of wetland plant communities from those sites for specific areas of interest.

Wetlands One-Stop Mapping Links by Subject

NWI
- National Wetlands Inventory (NWI)
- FWS Wetlands Mapper
- Wetland Primer
- Federal Standards & Funding for Wetland Mapping
- National Data Sets & Information

NWI+
- NWI+ Data & Information
- LULC Classification
- NWI+ Data Layers
- NWI+ Mason
- NWI+ Reports

States
- State Wetland Mapping Summaries
- State Wetland Program Websites & Data

Training
- Wetland Mapping Training

Reports and Publications
- Reports & Publications
- Other Mapping & Wetland Resources

Other Resources
- Wetland Plant Community Information
- Wetland Mapping Consortium
- Wetland Classification Image Gallery
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- Certificates are free for members and **$25 per certificate for non-members** if claimed no later than 60 days from the live presentation. After 60 days, certificates are $25 regardless of membership status. Certificates must be requested within one year of the live presentation.
- For assistance, please contact Laura Burchill l**aura@aswm.org** or (207) 892-3399.
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Thank you for your participation!

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