Wetland Delineation Workshop

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Environmental Section Leader
North Dakota Department of Transportation
New in 2014

- Design Manual:
  - **Chapter II Section IV**: Wetland, Vegetation and Environmental Permitting
  - **Reference and Forms**: Environmental Information
    - Appendix A – Wetland Report Examples
    - Appendix B – Wetland Resources
    - Appendix C – Permit Examples
    - Appendix D – Checklists
    - Appendix E – Miscellaneous Resources
    - Appendix F – Forms
Design Manual:

- Chapter II Section IV: Wetland, Vegetation and Environmental Permitting

http://www.dot.nd.gov/manuals/design/designmanual/designmanual.htm
# Reference and Forms

- Environmental Information

## Environmental Information (Chapter 2 Section 4 Appendix)

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[http://www.dot.nd.gov/manuals/design/designmanual/reference-forms.htm](http://www.dot.nd.gov/manuals/design/designmanual/reference-forms.htm)
Also New in 2014

- Webpages
  - Business:
    - Environmental and Cultural
Webpages

- Environmental Permitting

NDDOT Resources
- Plan Preparation Guide
  - Contains a collection of recurring plan sheets and notes.
- CAD/CAM Standards
  - NDDOT CAD/CAM Standards and associated resource files.
- NDDOT FTP Site
- Environmental Laws and Regulations
- Threatened and Endangered Species

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North Dakota State Water Commission (NDSWC)
- Sovereign Lands Information and Application Form
- Water Permit Information and Application Form
- Floodplain Permit Information
- Floodplain/Floodway Management Permits
  - Additional information available from the Federal Emergency Management Agency.
- Application/Notification to Construct or Modify a Dam, Dike, Ring Dike or Other Water Resource Facility

US Fish and Wildlife (USFWS)
- General Special Use Permit Information

US Coast Guard (USCG)
- Section 9 Permit
  - Permit for construction of bridges or causeways over navigable waters of the United States.

Federal Emergency Management Agency (FEMA)
- FEMA Flood Insurance Rate Maps (FIRM)

United States Army Corps of Engineers (USACE)
- Omaha District Permitting Program
- Omaha District Regulatory Program: Jurisdictional Information and Section 404 Permit Information

Definitions
- 33 CFR Part 328 (Definition of Waters of the United States)
- 33 CFR Part 329 (Definition of Navigable Waters of the US)

Section 404 of the Clean Water Act Permits
- This permit is obtained from the Corps for the discharge of dredge or fill material into waters of the United States, including wetlands.

Section 10 of the Rivers and Harbors Act of 1899 Permit.
- This permit is for structures or work (other than bridges and causeways) affecting the navigable waters of the United States.

Nationwide Permits
- Nationwide Permits
  - Questions and Answers
  - NWP 3 - Maintenance
  - NWP 14 - Linear Transportation Projects
  - NWP 23 - Approved Categorical Exclusions

Individual Permits
- Individual permits are needed when impacts are outside of the nationwide permit threshold.

http://www.dot.nd.gov/divisions/environmental/permits.htm
Wetlands are transitional areas between land and water. Wetlands are saturated with water or covered by shallow water at least part of most years. Only specially adapted plants can thrive in these wet, saturated soil conditions.

Wetlands include, but not limited to, swamps, marshes, bogs, prairie potholes, sloughs, and wetland fringe adjacent to streams. Less obvious wetlands may only hold water for a few weeks in the spring. The U.S. Environmental Protection Agency and the U.S. Army Corps of Engineers provide a more technical definition for wetlands they regulate. Federal, state, and local authorities regulate wetlands.

As a public works agency, NDDOT must obtain appropriate approvals and permits from regulatory agencies when projects will have unavoidable adverse impacts to wetlands. The goal of the Wetlands Program is to ensure that wetland and water resources are accurately identified during project development and that appropriate measures are taken to avoid and minimize impacts whenever feasible, then compensate if needed.

**NDDOT References**
- Plan Preparation Guide
  - Contains a collection of recurring plan sheets and notes.
  - CAD Standards
  - NDDOT CAD Standards and associated resource files.
- Environmental Permitting Page
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http://www.dot.nd.gov/divisions/environmental/wetland-mitigation.htm
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