

Helpful Links

Oklahoma Wetlands Map Viewer

<http://www.owrb.ok.gov/WIMS>

Oklahoma Water Resources Board Home

www.owrb.ok.gov/

OWRB NWI Mapping Project Page

www.owrb.ok.gov/learn/wetlands/NWImaps.php

Oklahoma Conservation Commission Home

www.ok.gov/conservation/

OCC Wetlands Home

www.ok.gov/conservation/Wetlands/index.html

U.S. Fish & Wildlife Service

National Wetlands Inventory Home

www.fws.gov/wetlands/

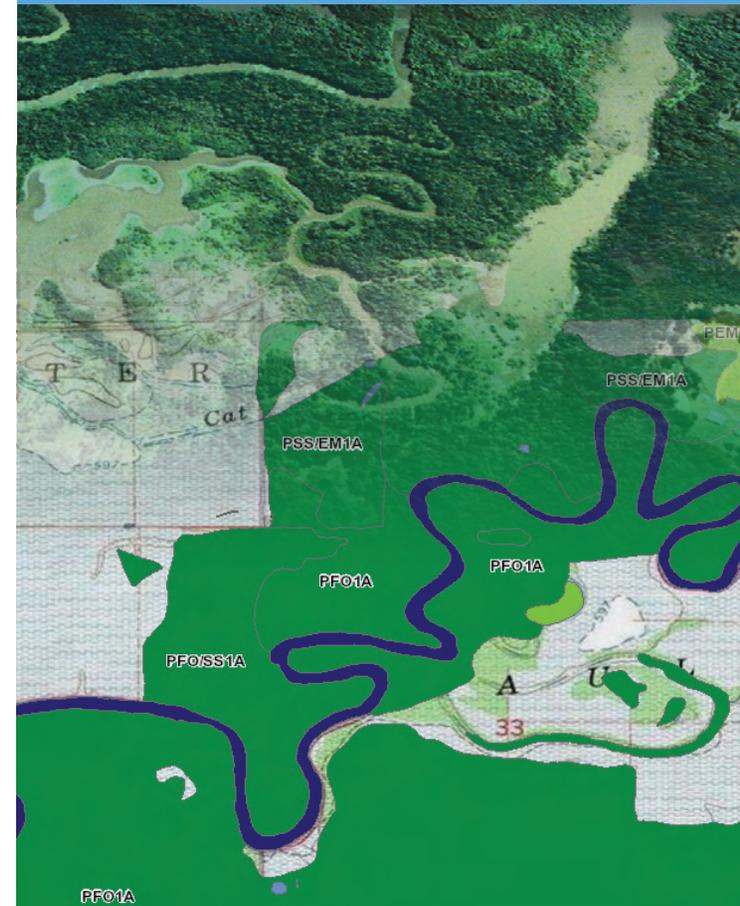
EPA Wetlands Home

<http://water.epa.gov/type/wetlands/>



OKLAHOMA

Wetlands Viewer



Wetlands Viewer

OKLAHOMA'S WETLANDS ARE A VITAL NATURAL RESOURCE.

If properly maintained and managed, they can provide countless benefits to both the public and environment. In a cooperative effort to preserve this valuable resource, guide land use, and educate the public on the importance of the state's wetlands areas, the Oklahoma Conservation Commission (OCC), Oklahoma Water Resources Board (OWRB), and Oklahoma State University (OSU) have partnered to digitize existing National Wetland Inventory (NWI) maps and from that data develop a user-friendly mapping tool.

The Oklahoma Wetlands Viewer, is now available for use at www.owrb.ok.gov/WIMS. It was developed by the OWRB and OCC and funded by the U.S. Environmental Protection Agency (EPA). The viewer, designed to aid both citizens and environmental professionals,

offers many useful features, including several basic map layers important to wetland analysis. The NWI Wetland Areas, NWI Index Maps, and Virtual Wetland Tour Locations help the user identify existing wetlands. Other associated layers include hydric soils, aerial photography, and topographic maps. School districts and public lands were included to help users locate wetlands that are publicly accessible and close to home.

The digital NWI maps depict original delineated wetland areas. Created by the U.S. Fish and Wildlife Service in the early 1980s, NWI maps were developed utilizing extensive aerial photography and they are based upon the 1:24000 (7.5 minute) scale. While providing a useful starting part in determining the presence or absence of wetlands on a particular tract of land, an on-site investigation is recommended prior to land disturbance activities. For more information on Oklahoma's wetlands, visit www.ok.gov/conservation/Wetlands/index.html.



For more information about additional features and how to navigate the map viewer, click on the help button located on the main toolbar.

The screenshot shows the Wetlands Viewer application interface. At the top, logos for OWRB, EPA, and Oklahoma Conservation Commission are displayed. The main map area shows a wetland region with labels like PFO1F, PFO1C, PFO1A, and Little River NWR. Several callout boxes point to specific features:

- MAIN TOOLBAR:** Points to the top-left toolbar containing navigation and search icons.
- SELECT VIRTUAL WETLAND TOURS:** Points to a dropdown menu showing 'Little River National Wildlife Refuge 2'.
- MAP AND BASE LAYERS:** Points to the 'Map Layers' and 'Select Base Layer' panels on the right side.
- SEARCH TOOL:** Points to a search input field at the bottom left.
- SELECT SCHOOL DISTRICTS:** Points to a dropdown menu for selecting school districts.
- OVERVIEW MAP:** Points to a small inset map at the bottom right showing the current location within a larger regional context.

Features

The Wetlands Viewer has several methods available to search for and identify map features. The examples below highlight some of these features.

SELECT SCHOOL DISTRICT TOOL:

The user can select a school district from a list and the map will zoom to the district.



BUFFER TOOL:

The Buffer Selection Tool can be used to select wetland polygons within a user defined distance from a selected point on the map.



IDENTIFY TOOL:

The Identify Tool allows the user to view additional information about the selected feature.



SEARCH TOOL:

The search tool allows users to type in a place name or feature and the map will zoom to that feature.

This screenshot shows the 'Okmulgee Wildlife Management Area: Oxbow Site' virtual tour. It includes a title, Cowardin codes (PEM1C, PFO1C, PFO1A, PEM1A), and a detailed description of the site's location and characteristics. A photograph of the wetland is shown on the right side of the window.

THE WETLANDS VIRTUAL TOUR APPLICATION

displays representative characteristics of the wetland type. These characteristics include; a general description of the site, wetland functions, vegetative community, hydrology, hydrologic indicators, soils, and wetland dependant wildlife species.