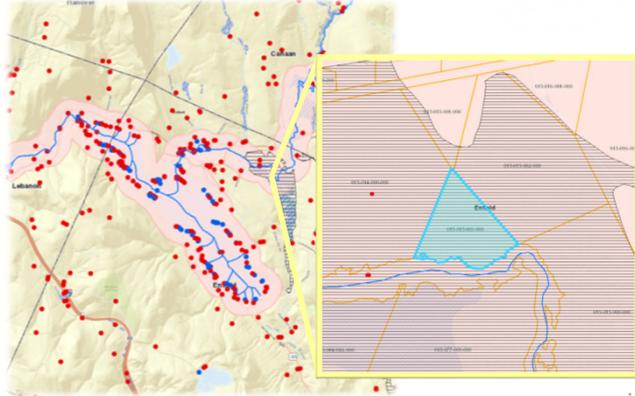


## NHDES Wetlands Permit Planning Tool (WPPT)



1

### Agenda:

#### An introduction to the Wetlands Permit Planning Tool

- 1) Goals & Background of the WPPT
- 2) Tour: Overview of content and features
- 3) Tools: Pertinent to Wetlands Permit applications
- 4) Additional Resources

2

### WPPT – Goals

Designed for the  
New Rules –  
Effective Dec. 2019!

- Improve access to spatial data that is relevant to NHDES' Wetlands Permitting process;
- Provide clear guidance to prospective permit applicants;
- Organize and compile available data;
- Create a planning tool to inform and improve avoidance, minimization and mitigation during project *design*

3

### WPPT - Background

- The WPPT was developed by the NHDES in partnership with NH GRANIT at UNH.
- The project was supported by a DoIT capital budget grant to develop a mapping site that provides public access to data sets.
- The site was built using Geocortex Essentials v4.10 and the HTML5 viewer, v2.11.

4

## WPPT – Let's Take A Tour!

**Welcome**

**NHDES Wetlands Permit Planning Tool**

The New Hampshire Department of Environmental Services (NHDES) Wetlands Permit Planning Tool (WPPT) provides access to data which can be used to avoid and minimize impacts to wetlands and other natural resources.

This tool is intended to be used for screening purposes only and it was not designed nor does it have the accuracy to determine precise location of features or setbacks.

For permitting purposes, wetland boundaries must be field-delineated.

To check whether a protected species or habitat is found in your project area, please use the [BIRL Data Check Tool](#).

**Getting Started**  
 WPPT User Guide  
 FAQs - Coming Soon  
 NHDES Data Layers and Metadata  
 NHDES Wetlands Permit Planning Tool

**Feedback**  
 We are very interested in feedback. Please direct all comments to [WetlandsPermitPlanningTool@des.nh.gov](mailto:WetlandsPermitPlanningTool@des.nh.gov).

**Acknowledgements**  
 The NHDES Wetlands Permit Planning Tool was developed by the New Hampshire Department of Environmental Services in partnership with the NH GRANIT at the Institute for the Study of Earth, Oceans, and Space in Hanover, NH. The project was supported by a DART grant and a University of New Hampshire grant that provides public access to NHDES' and NHDES' customer data sets.

**Disclaimer**  
 This tool is intended to be used for informational purposes only and it was not designed nor does it have the accuracy to determine precise location of features or setbacks. Data presented may not have been prepared for or be suitable for legal, engineering, or planning purposes. For permitting purposes, wetland boundaries must be field-delineated.

**Acknowledge**

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**Callouts:**

- Enter an address or a permit number!
- Use the "I want to..." menu to return to the Welcome Panel or the Layer List, show the legend, find data...
- Explore the Tool Box to Query data, Identify features, Draw, Measure distances or areas, Print or Export maps
- Find the User Guide, FAQ's, metadata and contact information in the Welcome Panel
- Change your Basemap
- Wait, what is Metadata? It's information that describes the data. Who created it? When? How? Where is the source? What are the limitations?

## WPPT – The Layer List

**Layers**

- Basemaps
  - NH State Boundary
  - NH County Boundaries
  - NH City/Town Boundaries
- Wetland Permit Themes
  - NHDES Wetlands or Shoreland Permit
  - Parcel Mosaic
- Shoreland Jurisdiction
- Priority Resource Areas
- Prime Wetlands
  - Prime Wetlands
  - 100 foot Prime Wetland Buffer
  - Floodplain Wetlands Adjacent to Tier 3 Streams
- Resource Planning Layers
  - Potentially Contaminated Sites
  - Impaired Waters
  - Designated River Corridor
  - Outstanding Resource Water Watersheds
  - National Wetlands Inventory Layers

**Callouts:**

- The default is a catch-all that displays all available layers
- Wetland Permit Themes were designed to simplify the display by reducing the number of visible layers to only those required for a certain project type.
- For example: Forestry, Inland Docking

**Layers**

Choose a wetlands permit theme here or check layers below

- Basemaps
  - NH State Boundary
  - NH County Boundaries
  - NH City/Town Boundaries
  - NHDES Wetlands or Shoreland Permit
  - Parcel Mosaic
- Political Boundaries
- NHDES Wetland & Shoreland Permit Points
- Parcel Mosaic
- Shoreland Jurisdiction
  - Rivers
  - Lakes
  - Urban Exemptions

**Search Results:**

**NHDES Wetlands or Shoreland Permit**

Permit Number: 2000-02440  
 Project type: CONSTRUCTION IN TRZ  
[Click for OneStop Search](#)  
[View Additional Details](#) [Add to Results](#)

**Water - Land Resource Management Query Results**

File Number: 2000-02440  
 Date Received: 11/13/2000  
 Owner Name: NEWMARSHET COMMUNITY DEVELOPMENT  
 Site Address: 641 RD NEWMARSHET, ROCKSWORTH  
 Site Parcel: 102-281  
 Wetlands Name: LAURENCE WETLANDS

**Callouts:**

- Click on a Wetland or Shoreland Permit Point for the permit number and a link to OneStop!

**Coastal Layers**

- Eel Grass and Shellfish Areas
- Existing Tidal Water and Salt Marsh Areas
- Predicted scenarios of Salt Marsh Migration and Sea Level Rise

The new rules require you to review predicted sea level rise!

**Mitigation Layers**

- ARM Funded Sites
- Conservation & Public Lands
- ARM Service Area Boundaries

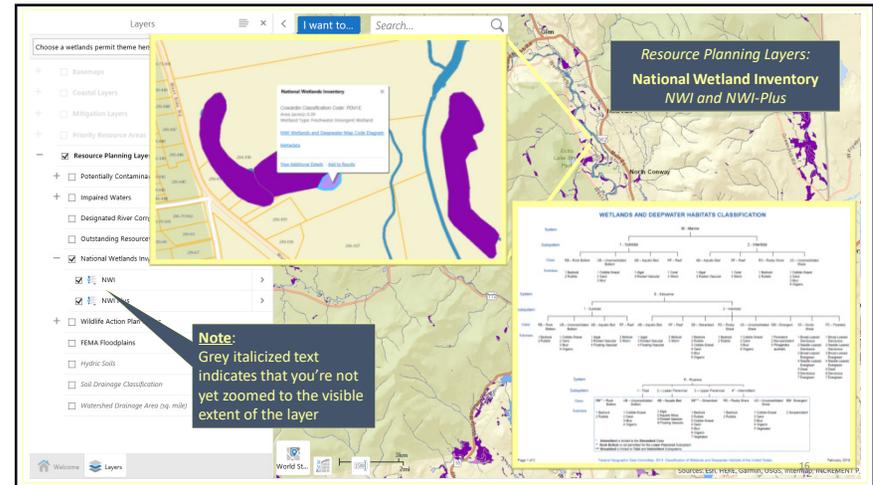
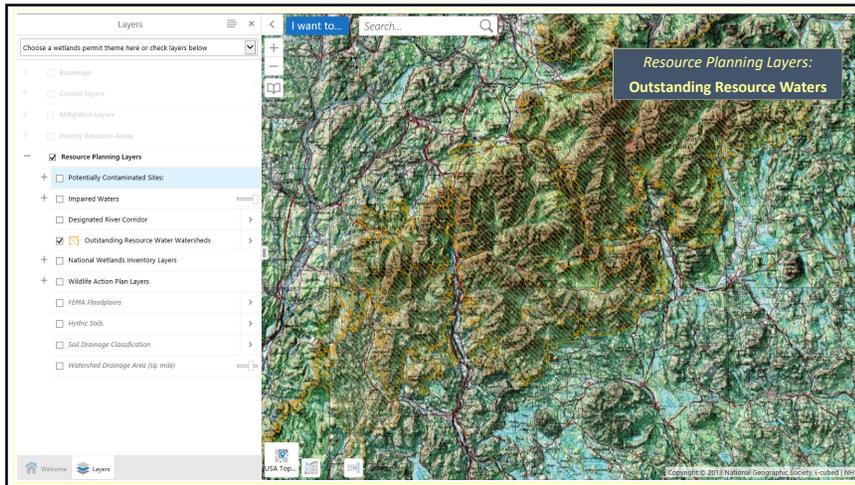
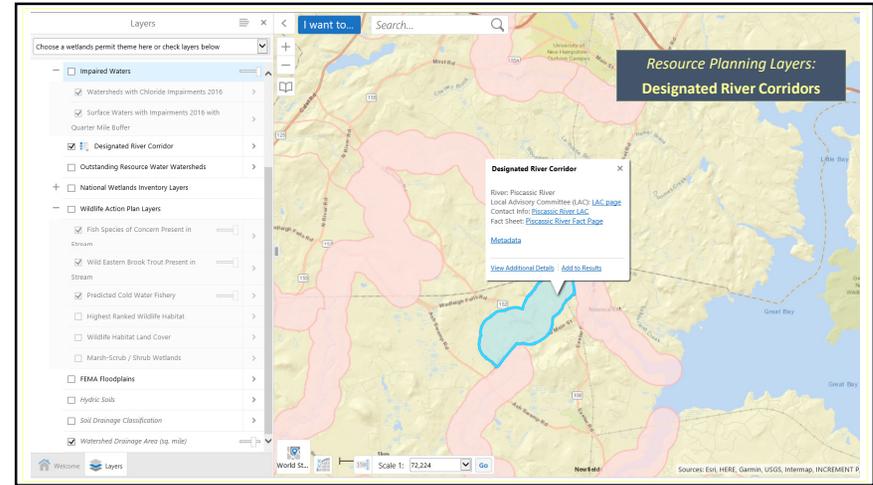
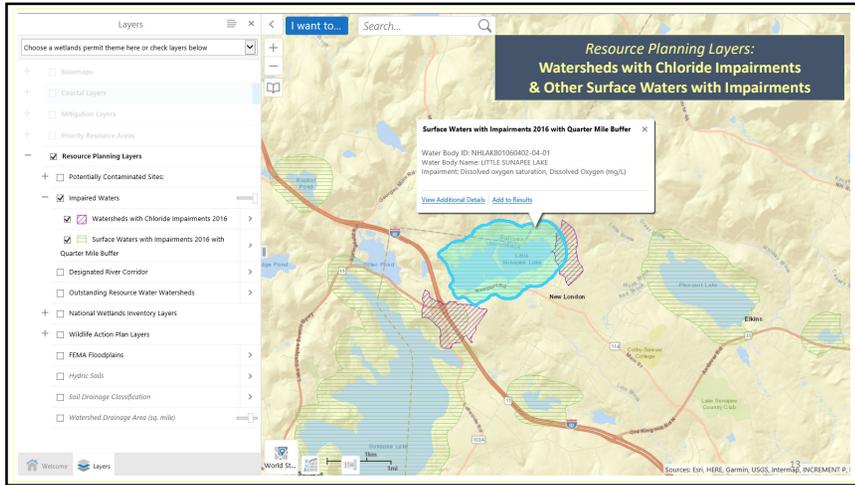
**Priority Resource Areas [PRAs]**  
(Env-Wt 103.65) jurisdictional areas that have:

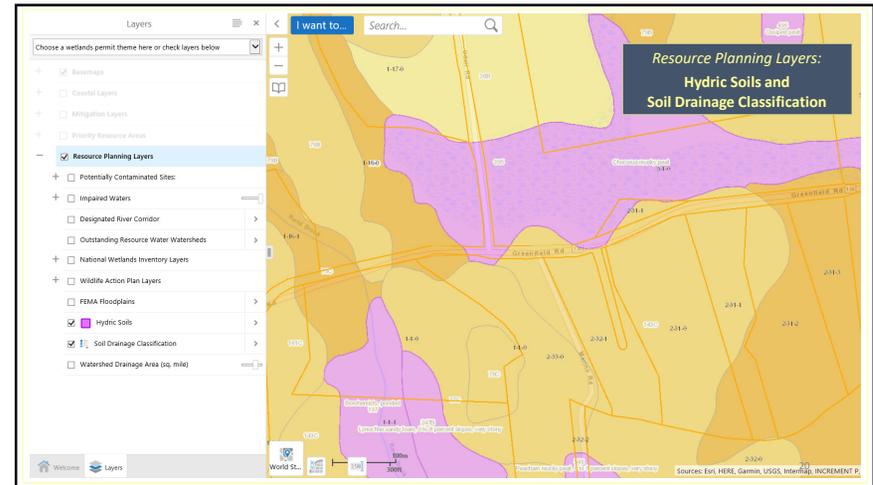
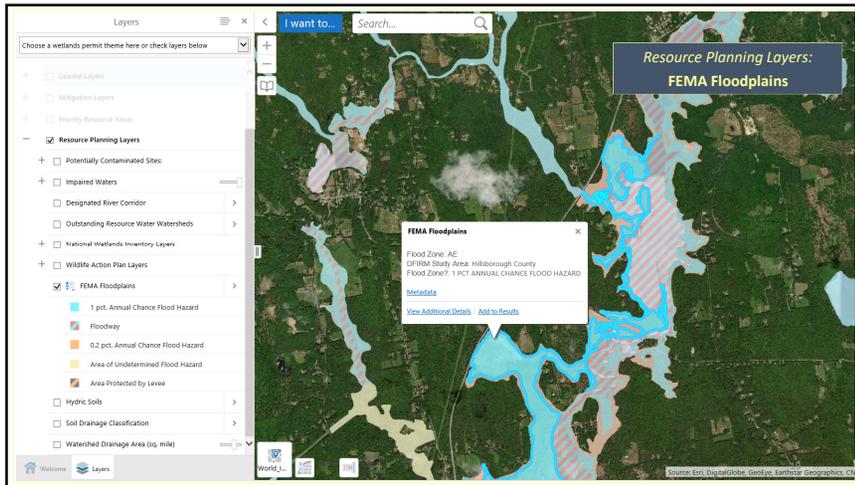
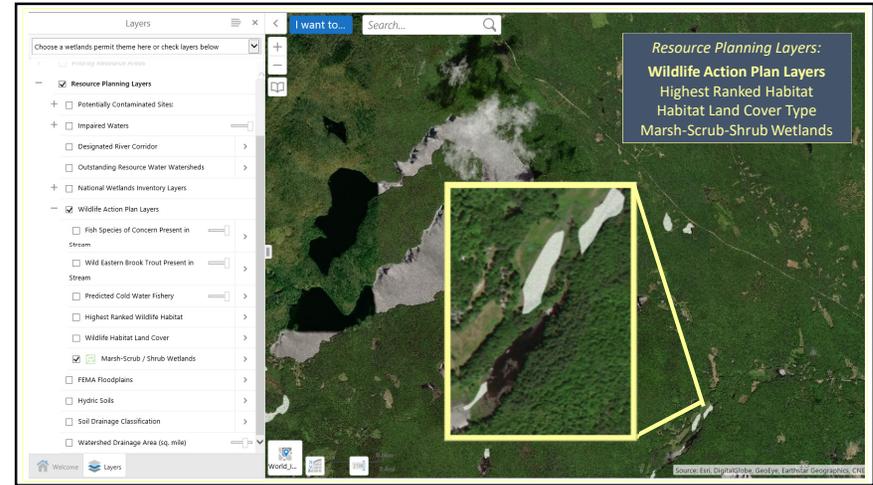
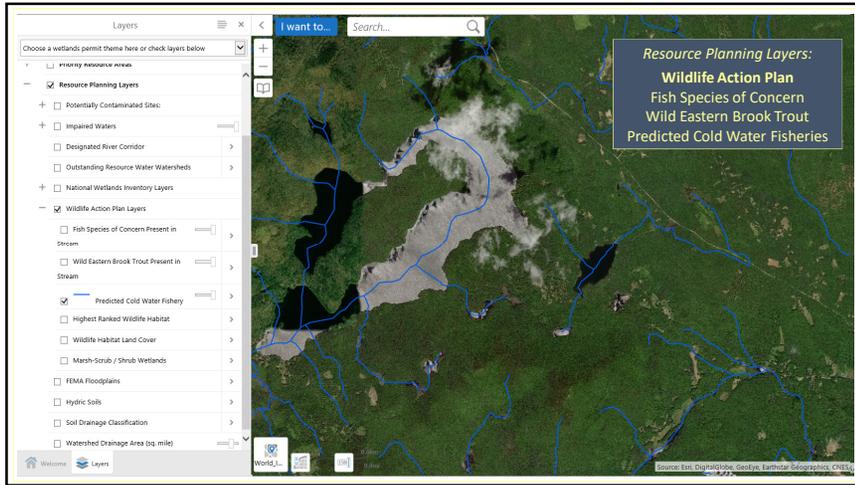
- Protected species or habitat (NHB)
- Bogs
- Floodplain wetlands adjacent to Tier 3+
- Prime Wetlands
- Sand Dunes
- Tidal Wetlands, Tidal Waters or
- Undeveloped Tidal Buffer Zone

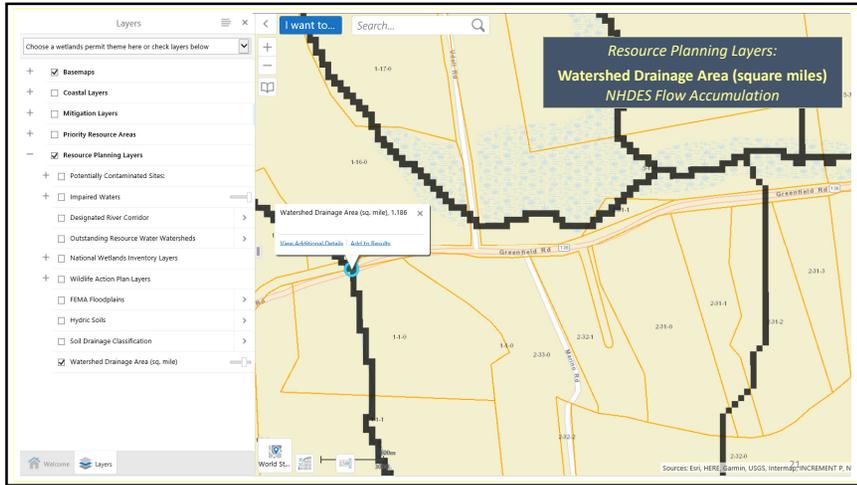
**Resource Planning Layers** - additional datasets to help inform project planners of important resources that should be avoided and minimized to the greatest extent possible OR which may elevate a permit application to a higher level of technical review.

**Potentially Contaminated and Remediation Sites**

Direct links to the NHDES OneStop Query!

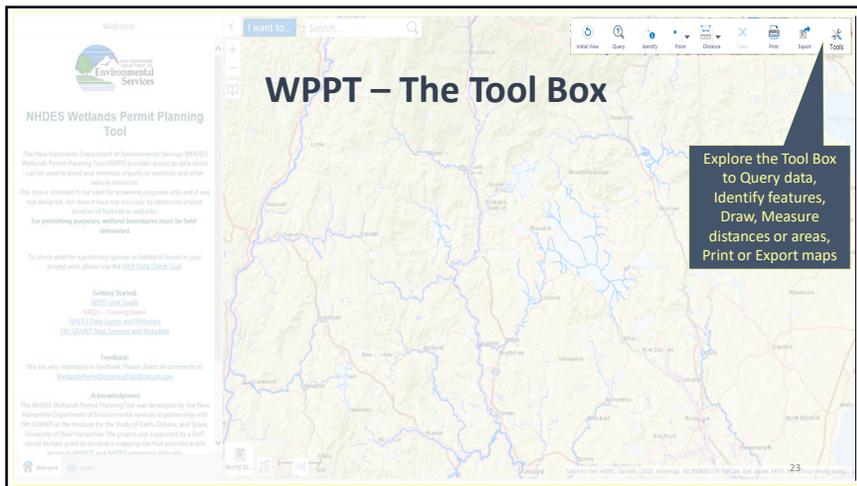






### WPPT – Highlights!

- Wetland and Shoreland Permit Data.
- Prime Wetlands.
- Priority Resource Areas.
- Coastal Layers.
- Pop-Ups and Links.
- OneStop Query.
- Metadata.



### WPPT – Tools & Products

Query Data.

Or switch to table view and



## WPPT – Tools & Products

### Identify Features.

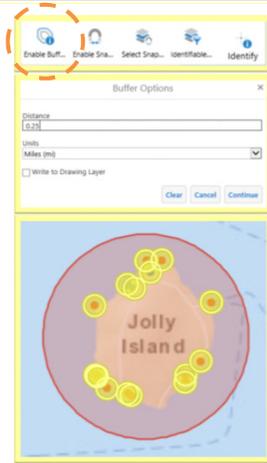
Ex: How many NHDES Wetlands or Shoreland Permits have been issued on Jolly Island?

Enable a buffer on your search.

View results in list or table.

Also useful for layers that don't have pop-ups, or

To view additional fields that aren't displayed in a pop-up.

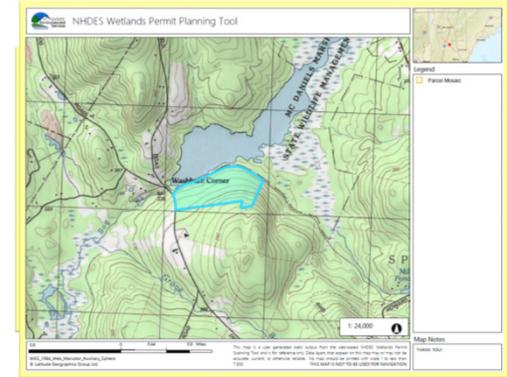


## WPPT – Tools & Products

### Print a Map

Ex: USGS map required with a Wetlands Permit Application.

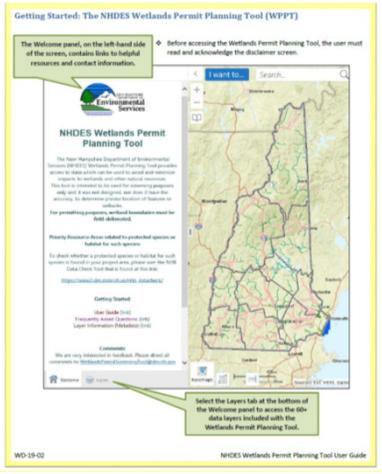
1. Find your project area.
2. Select the USA Topo Basemap.
3. Turn off layers that you don't want to appear in the map legend.
4. Open the Print Tool.
5. Set the Map Scale to the required 1:24,000 (1 inch = 2,000 feet).
6. Create a Title & Add notes.
7. Select Print and Open the File.



## WPPT – Additional Resources

### User Guide.

- Links to metadata.
- System requirements.
- Layer Organization.
- Tools.
- Themes.
- Use-Case Scenarios.



## WPPT – Additional Resources



FAQ's  
COMING  
SOON!

## WPPT – Additional Resources Metadata

OneStop Data Mapper Layers and Metadata

Click each layer name for layer information (metadata)

- Aboveground Storage Tank Sites
- Air Facility Systems
- Asbestos Disposal Sites
- Automobile Salvage Yards
- Dams
- Environmental Monitoring Sites
- Groundwater Classification Areas GAA\*
- Groundwater Classification Areas GA1
- Groundwater Classification Areas GA2
- Hazardous Waste Generators
- Local Potential Contamination Sources
- NPDES Outfalls
- Outstanding Resource Water Watersheds
- Public Water Supply Wells\*
- Reauthorized Water Lines\*
- Remediation Sites
- Solid Waste Facilities
- Source Water Protection Areas\*
- Surface Water Impairments with 1-Mile Buffer
- Underground Storage Tank Sites
- Water Supply Intake Protection Areas\*
- Water Well Inventories\*
- Wetland Protection Areas\*

**Solid Waste Facilities**

GRN FARMS

[Click for state from OneStop Search Metadata](#)

[View Additional Details](#) [Add to Results](#)

**NATIONAL WETLANDS INVENTORY**

Map of the United States showing wetland distribution.

## WPPT - Summary

- 1) **Goals & Background:**  
Intended to serve your need to easily access important data that will help inform your avoidance, minimization and mitigation strategies.
- 2) **Tour: Overview of content and features**  
Some familiar data sets, plus several new ones  
Organized to facilitate the Wetlands Permitting process
- 3) **Tools: Pertinent to Wetlands Permit applications**
- 4) **Additional Resources:**  
User Guide, Metadata or contact us directly!

30

Thank you for your time.

**Any Questions?**

31