

i-MapNJ DEP

Are there wetlands
on your farm?

Using i-MapNJ to
find and measure
distances to
wetlands on or near
your farm





Locate farm and wetlands

- 1) Start i-MapNJ
- 2) Find approximate location by municipality
- 3) Turn on wetlands and roads layers
- 4) Zoom in to see air photo and roads
- 5) Find farm by roads and features on air photo
- 6) Zoom to farm so it fills the screen
- 7) Identify locations of wetlands
- 8) Measure distance to any wetlands on or near your farm
- 9) Print map(s) if needed

STEP 1 Start i-Map

1) Navigate to DEP Website: <http://www.nj.gov/dep/>

2) Click 'i-Map NJ'



3) Choose 'i-Map NJ DEP'



4) Bookmark or put address in Favorites:
<http://www.nj.gov/dep/gis/depsplash.htm>

5) Click 'Launch i-Map NJ DEP'





NJDEP Hotline
 1-877-WARN DEP

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NJDEP Commissioner Lisa Jackson awards the Governor's Environmental Excellence Award for Land Conservation to David McKeon, Ocean County Director of Planning on behalf of Ocean County Freeholder John C. Bartlett, Jr. liaison to The Ocean County Natural Lands Trust Fund.

- News...**
- March 12, 2007**
 DEP Prepares for Five-County Enforcement Sweep on Illegal Feeding of Black Bears (NJDEP News Release)
 - February 15, 2007**
 DEP Issues Statewide Water Quality Report (NJDEP News Release)
 - February 14, 2007**
 Public Can Instantly Learn Progress of Permit Applications Through New Feature on DEP Web Site (NJDEP News Release)
 - February 13, 2007**
 DEP Releases Results of Drinking-Water Study (NJDEP News Release)
 - February 13, 2007**
 Governor Corzine Calls for Sweeping Reduction of Greenhouse Gas Emissions in New Jersey (Governor's Office Press Release)

Would you like to receive NJDEP News Releases in your e-mail?
 Give us your e-mail address and we'll do the rest!

- What's New...**
- Free i-MapNJ DEP Training March 20: Explore DEP's Most Current GIS Layers
 - 2007 Clean Vehicle List Available: Gas and Hybrid Models Aid in Better Air Quality
 - Public Comments Sought for Final Environment Impact Statement for Meadowlands Stadium District

Today's Air Quality

Commissioner Lisa P. Jackson



Office of the Commissioner
 401 E. State St.
 7th Floor, East Wing
 P.O. Box 402
 Trenton, NJ 08625-0402

Hot Topics...

- ▶ Governor Corzine Testifies before U.S. Senate Committee on Global Warming (pdf)
- ▶ Chromium Moratorium is Lifted
- ▶ Pending Permit Status Report
- ▶ DEP Priorities and Action Plan Document (Pdf Format)
- ▶ Commissioner Jackson Testifies before the U.S. Senate Committee in Opposition to the Federal Proposal for Off-Shore Oil and Gas Exploration (Pdf Format)
- ▶ Compliance & Enforcement Field-activity Blotter
- ▶ Brownfield Development Area Applications Sought by April 2
- ▶ Highlands Regional Master Plan Hearings Set
- ▶ State of New Jersey Energy Master Plan
- ▶ Regional Greenhouse Gas Initiative
- ▶ Child Care Center Environmental Guidance
- ▶ Be Bear Aware!
- ▶ [Click here for Fact Sheet \(Pdf Format\)](#)

Help Protect Natural, Historic and Wildlife Resources with a Dedicated License Plate



Treasure Our Trees

GIS bureau of geographic information systems

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- Interactive Mapping
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- Resources
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Interactive Mapping

These interactive mapping applications allow users to utilize GIS functionality over the internet. Visitors can access, display, and interact with GIS data through their web browser.

(Internet Explorer 6.x or higher strongly recommended).

Available Applications (Click on Image below to go to that applications splash page.)	Release Date	Description
	February 2007	UPDATED!! 11 new layers have been added in the February 2007 release.
	April 2006	New layers have been added and many layers updated in the April 2006 release along with some new and enhanced features.
	August 2004	The Highlands Preservation and Planning Area layer has been added to i-MapNJ DEP.
	May 2004	i-MapNJ DEP provides the best and most current versions of NJDEP's Geographic Information System (GIS) environmental data. Updated Category One Waters and Landscape data layers are included in i-MapNJ DEP. For the first time the new 2002 imagery is also presented. This imagery provides the clearest view of ground features yet posted by the State of New Jersey. Take a tour with new tutorials to explore environmental concerns in New Jersey.

http://www.nj.gov/dep/gis/depsplash.htm

i-MapNJ DEP

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**Launch
i-MapNJ DEP**

Tutorial

**Other NJDEP
GIS Information**

Disclaimer

Contact Us

Welcome to **i-MapNJ DEP**, one of NJDEP's environmental mapping tools that can provide you with information about your neighborhood, county, or state (NJ). With this easy-to-use application, users can view and query the best of the NJDEP's Geographic Information System (GIS) data. Homeowners can find out what's in their backyard; environmental organizations, planners, realtors, and builders can identify open space, various regulatory boundaries, sensitive lands, watersheds, and much, much more. The i-MapNJ DEP application updates the GIS layers found in the other NJDEP i-MapNJ applications including, i-MapNJ NJEMS. (This application does not provide a link to the NJEMS enterprise NJDEP database. The enhancement of this function is planned for a later release of i-MapNJ.)

February 2007 release: GIS data is accessed in "data layers" in the i-MapNJ DEP application. In the February 2007 release of i-MapNJ DEP, there are over 50 GIS layers. New layers have been added including Land Use 2002, Land Use Change 1995-2002, NJEMS Sites, and Wetlands 2002.

Although the application is very user friendly, you might want to first review the [Tutorials](#) before diving in. Then take it for a test drive and see for yourself how much environmental information you can access. Remember, to use the **i-MapNJ DEP** application you need only open your browser, connect to the internet, go to the [DEP-BGIS webpage](#), click on Interactive Mapping and then click on i-MapNJ DEP to launch the application.

NJDEP offers training classes in i-MapNJ for the public. View our [Training Page](#) for upcoming session information.

STEP 2 Find approximate location by municipality

- ✓ Click Find Locations of Interest on the right side of the screen under the Query heading

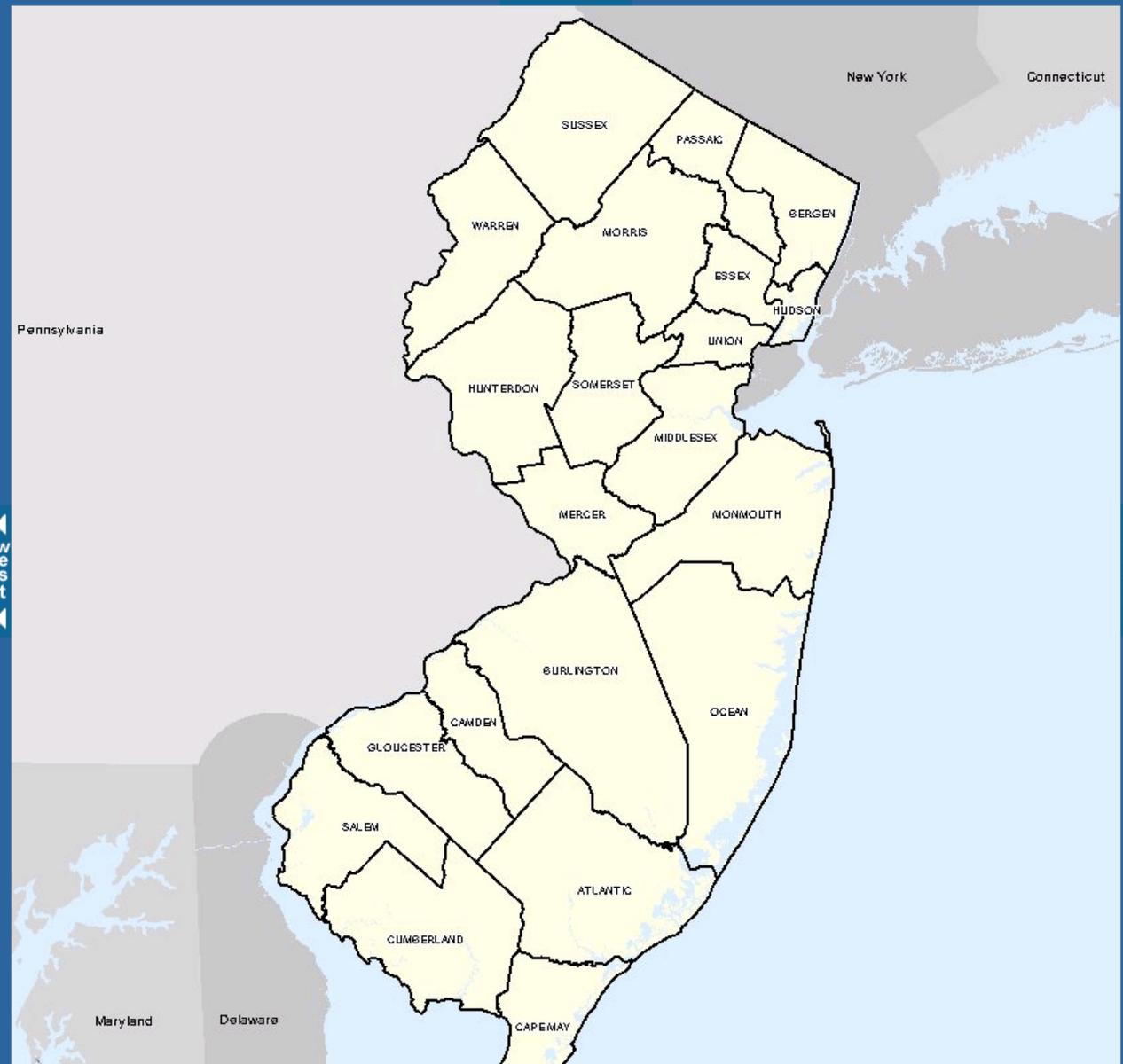
Data Layers

[refresh map](#)

AutoRefresh Map

Visible Active

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- [Landscape Project](#)



West

East

Query

[Find Location of Interest](#)



Legend

- Counties
- Mid-Atlantic States
 - New Jersey
 - Delaware
 - Maryland
 - Pennsylvania
 - Connecticut
 - New York

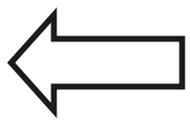
STEP 2 Find approximate location by municipality *Continued*

- ✓ On the Find Locations of Interest Screen click the button for Municipality under the Search type heading
- ✓ In the *Search by Municipality* section select a county by clicking the black down arrow, scrolling to the county, and click on it
- ✓ Click on the *For Municipality* black down arrow, scroll to the desired municipality, and click on it
- ✓ Click the yellow Find button

Find Location of Interest

Search Type

- Address
- Coordinates
- County
- Municipality
- Place Name



Search By Municipality

Within County

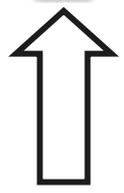
WARREN

For Municipality

POHATCONG TWP

find close

help



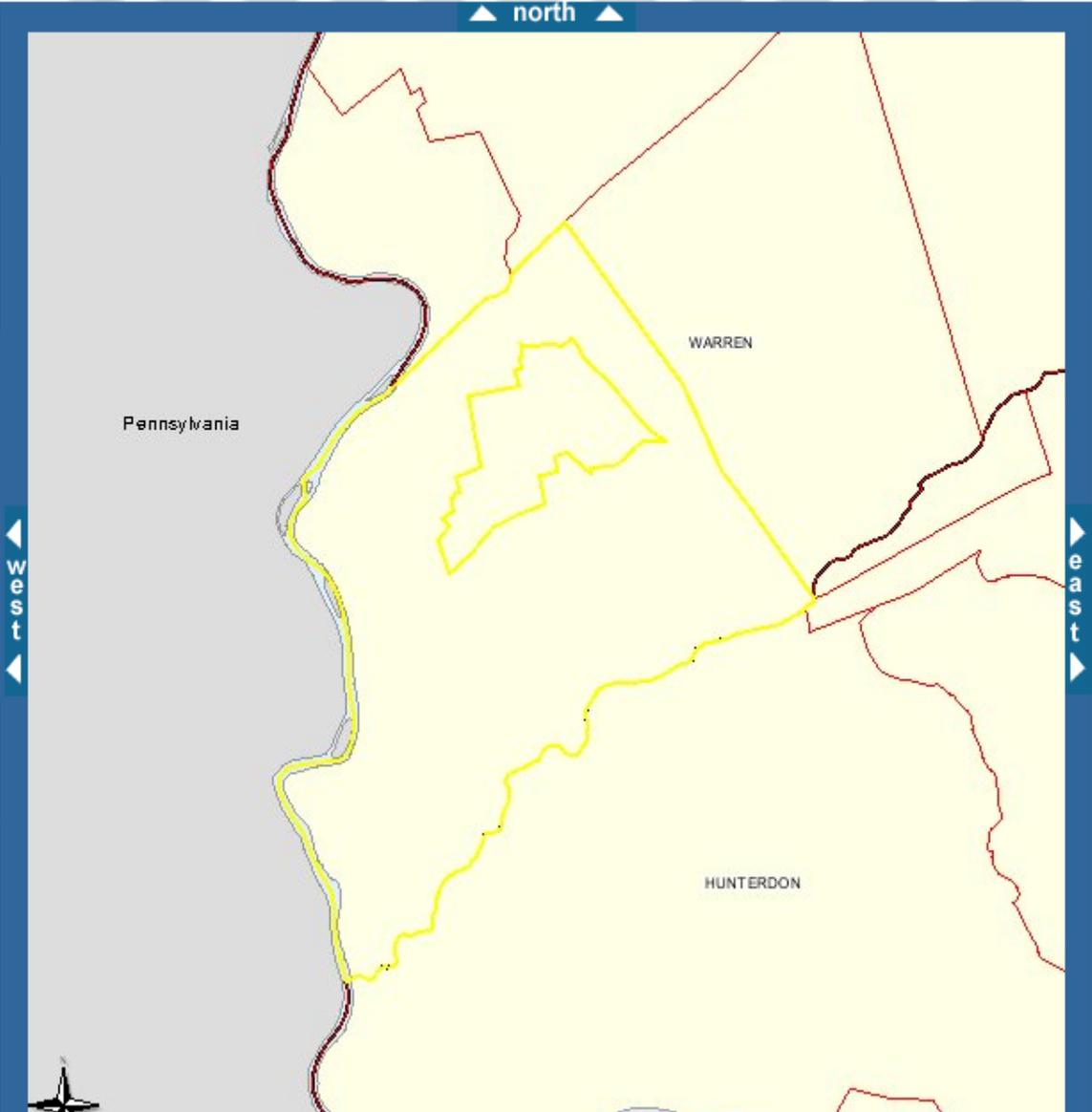
STEP 2 Find approximate location by municipality *Continued*

✓ The Municipality will display outlined as shown in the next slide

Data Layers

AutoRefresh Map

- Urban Enterprise Zones**
- Municipalities**
- Counties**
- Congressional Districts**
- Legislative Districts**
- CAFRA**
- Highlands**
- Pinelands Boundary**
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- Roads (Tele Atlas)**
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- Streams**
- Water Bodies**
- Delaware and Raritan Canal Commission Review Zones**
- Shellfish Classification**
- Landscape Project (Bald Eagle Foraging)**
- Landscape Project (Beach)**
- Landscape Project**



Query

[Find Location of Interest](#)

Legend

- Selected Features
- Municipalities
- Counties
- Mid-Atlantic States
- New Jersey
- Other States

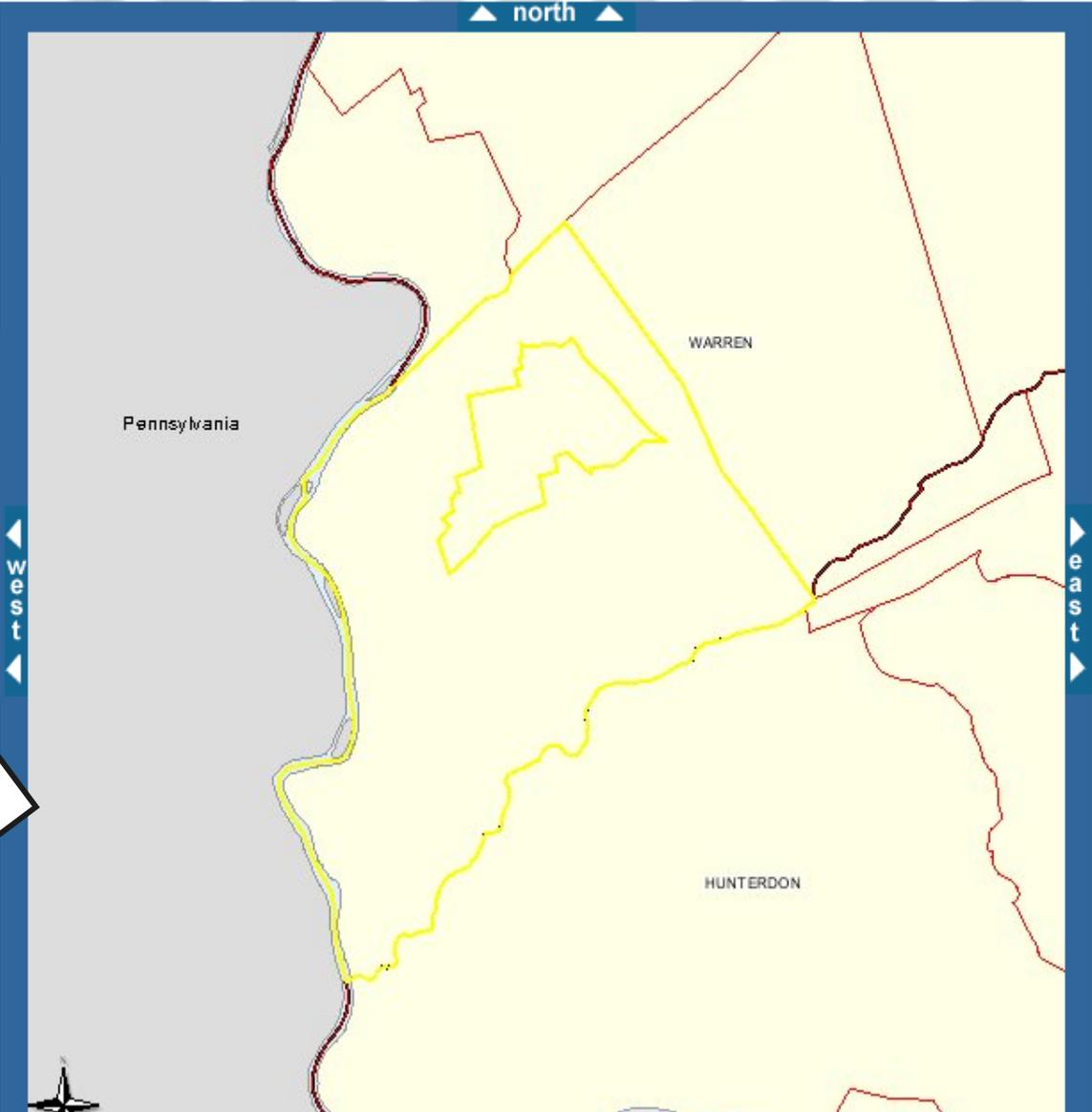
STEP 3 Turn on the Roads and Wetlands Data Layers

✓ On the left side of the screen under the heading *Data Layers*, click the buttons Roads (Tele Atlas), scroll down using the black down arrow, click the Button for Wetlands (2002), and click the yellow *Refresh Map* button located directly under the *Data Layers* heading

Data Layers

[refresh map](#)

- AutoRefresh
- Urban Enterprises
- Municipalities**
- Counties**
- Congressional Districts
- Legislative Districts
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- Pinelands Boundary
- Open Space (State)
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- Landscape Project (Beach)
- Landscape Project



Query

[Find Location of Interest](#)

Legend

- Selected Features
- Municipalities
- Counties
- Mid-Atlantic States
- New Jersey
- Other States

STEP 4 Zoom in to see air photo and roads

- ✓ Click on the yellow *Zoom in* button as shown in the next slide
- ✓ With the left mouse button held down, draw a zoom in box as shown

[zoom in](#) [zoom out](#) [full extent](#) [last extent](#) [pan](#) [identify](#) [measure](#) [select](#) [set origin](#) [clear selection](#) [print](#)

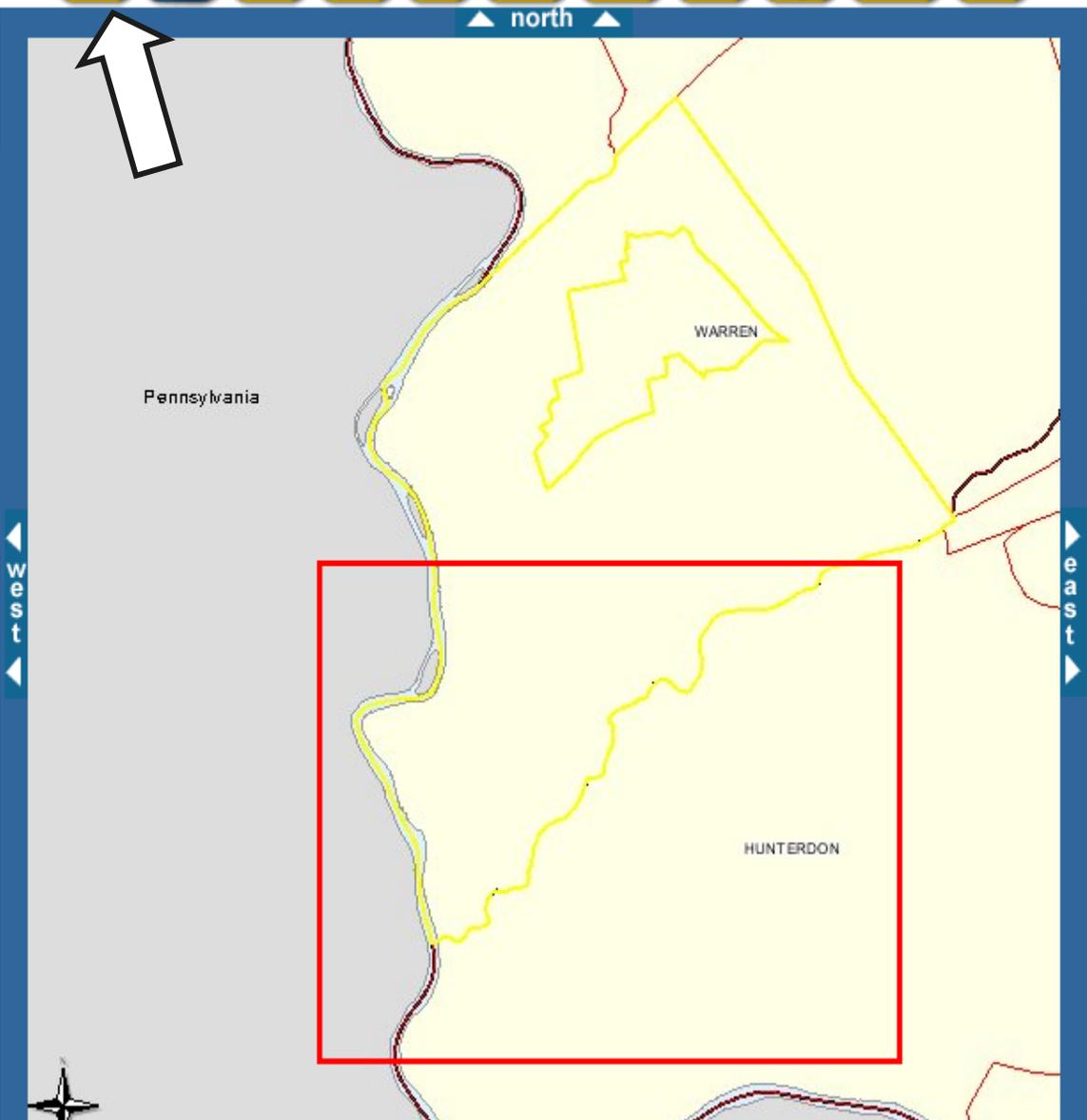
Data Layers

[refresh map](#)

AutoRefresh Map

Visible Active

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- [Roads \(Tol. Atlas\)](#)



Query

[Find Location of Interest](#)

Legend

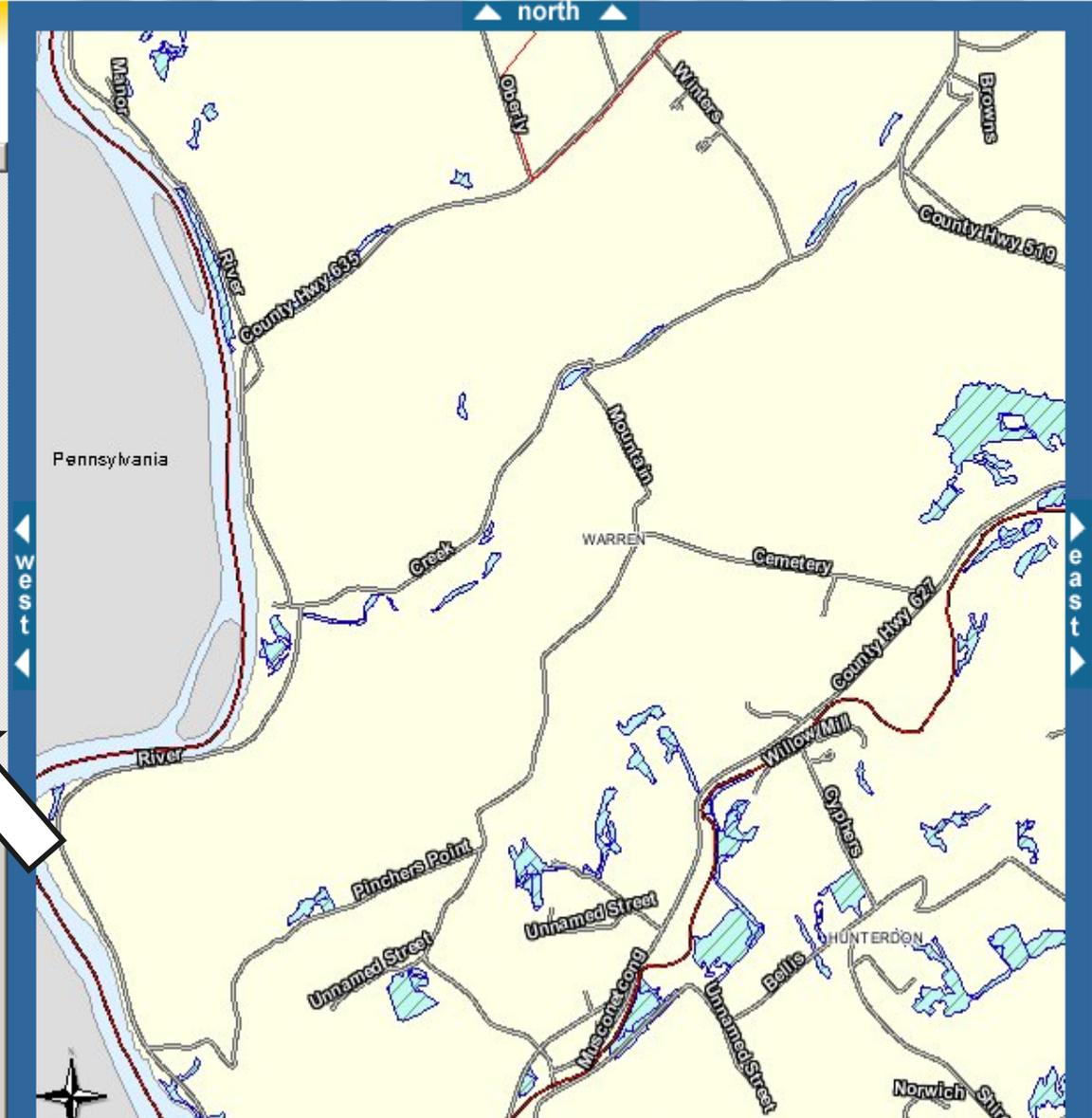
- Selected Features
- Municipalities
- Counties
- Mid-Atlantic States
- New Jersey
- Other States

STEP 4 Zoom in to see air photo and roads *Continued*

- ✓ This will display the Roads and Wetlands layers zoomed into the area drawn by the box
- ✓ The Wetlands are the areas shown in blue
- ✓ The Roads are labeled with the road name
- ✓ If necessary click the *Refresh Map* to redraw the map

Data Layers

-
- AutoRefresh
- Community**
- [Deed Notice Areas](#)
 - [Groundwater Contamination Areas \(CEA\)](#)
 - [Groundwater Contamination Areas \(CKE\)](#)
 - [State Plan Centers](#)
 - [State Planning Areas](#)
 - [Sub-Watersheds \(HUC14\)](#)
 - [Watersheds by Name \(HUC11\)](#)
 - [Watershed Management Areas](#)
 - [Soils \(ITU\)](#)
 - [Soils \(SSURGO\)](#)
 - [Impervious Surface % \(2002\)](#)
 - [Wetlands \(2002\)](#)
 - [Land Use 2002](#)
 - [Land Use 1995](#)
 - [Land Use Change 1995-2002](#)
 - [Quarter Quad Grid](#)
 - [Aerial Photos 2002](#)
 - [Aerial Photos 1995/97](#)
 - [Aerial Photos 1930](#)
 - [Mid-Atlantic States](#)



Query

Legend

- Selected Features
- Municipalities
- Counties
- Roads (Tele Atlas)
- Wetlands (2002)
- WETLANDS
- Aerial Photos 2002
- Mid-Atlantic States
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- Other States

STEP 5 Find farm by roads and features on air photo

Zoom in further to display the area near your farm

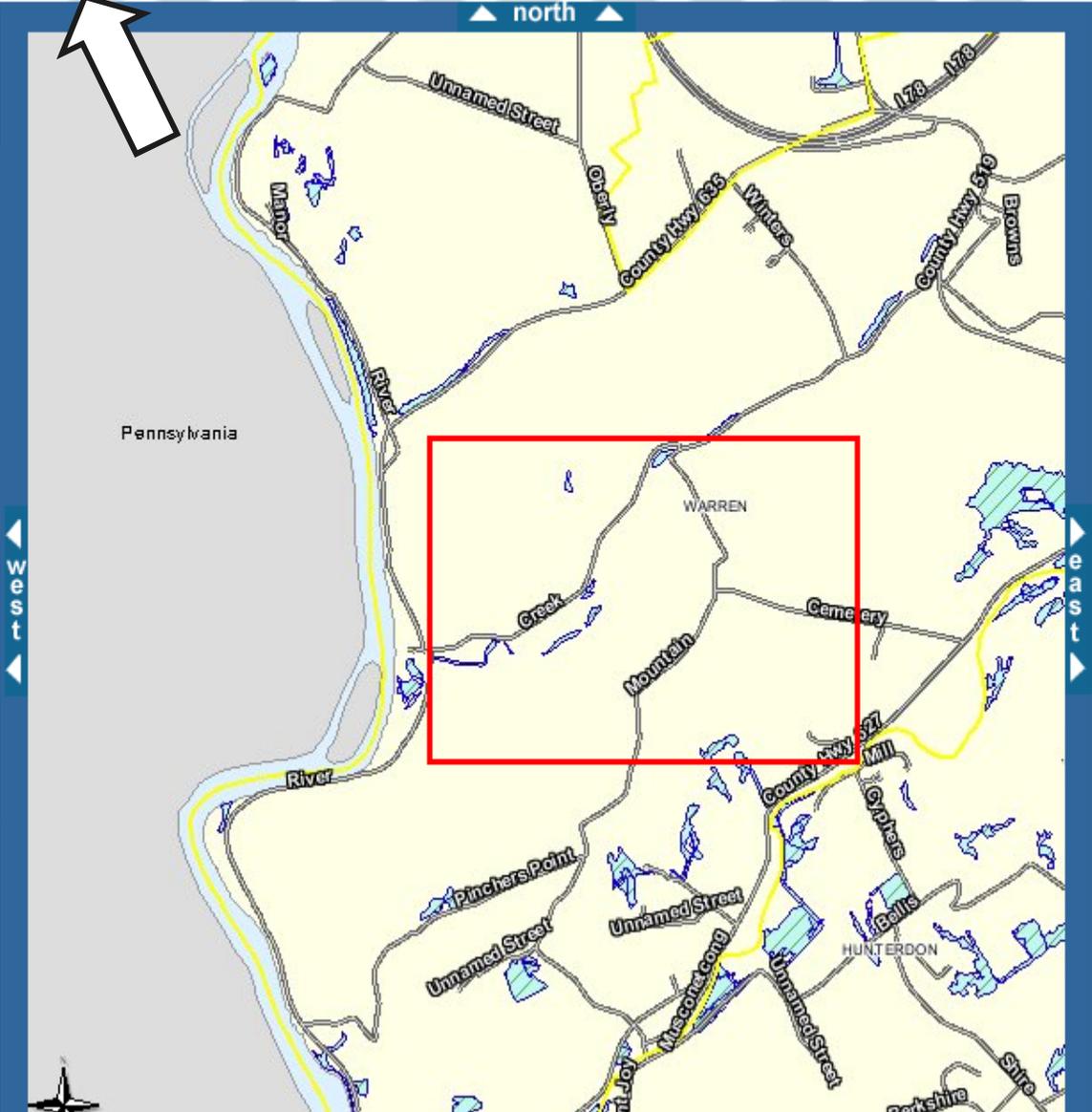
- ✓ With the left mouse button held down, draw a zoom in box as shown in the next slide
- ✓ This will display the air photo when zoomed in as shown
- ✓ The Roads are labeled with the road name
- ✓ The wetlands are shown in blue
- ✓ If necessary click the *Refresh Map* to redraw the map

Data Layers

Auto Refresh

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Query

Legend

- Selected Features
- Municipalities
- Counties
- Roads (Tele Atlas)
- Wetlands (2002)
- WETLANDS
- Mid-Atlantic States
- New Jersey
- Other States

STEP 6 Zoom in to farm so it fills the screen

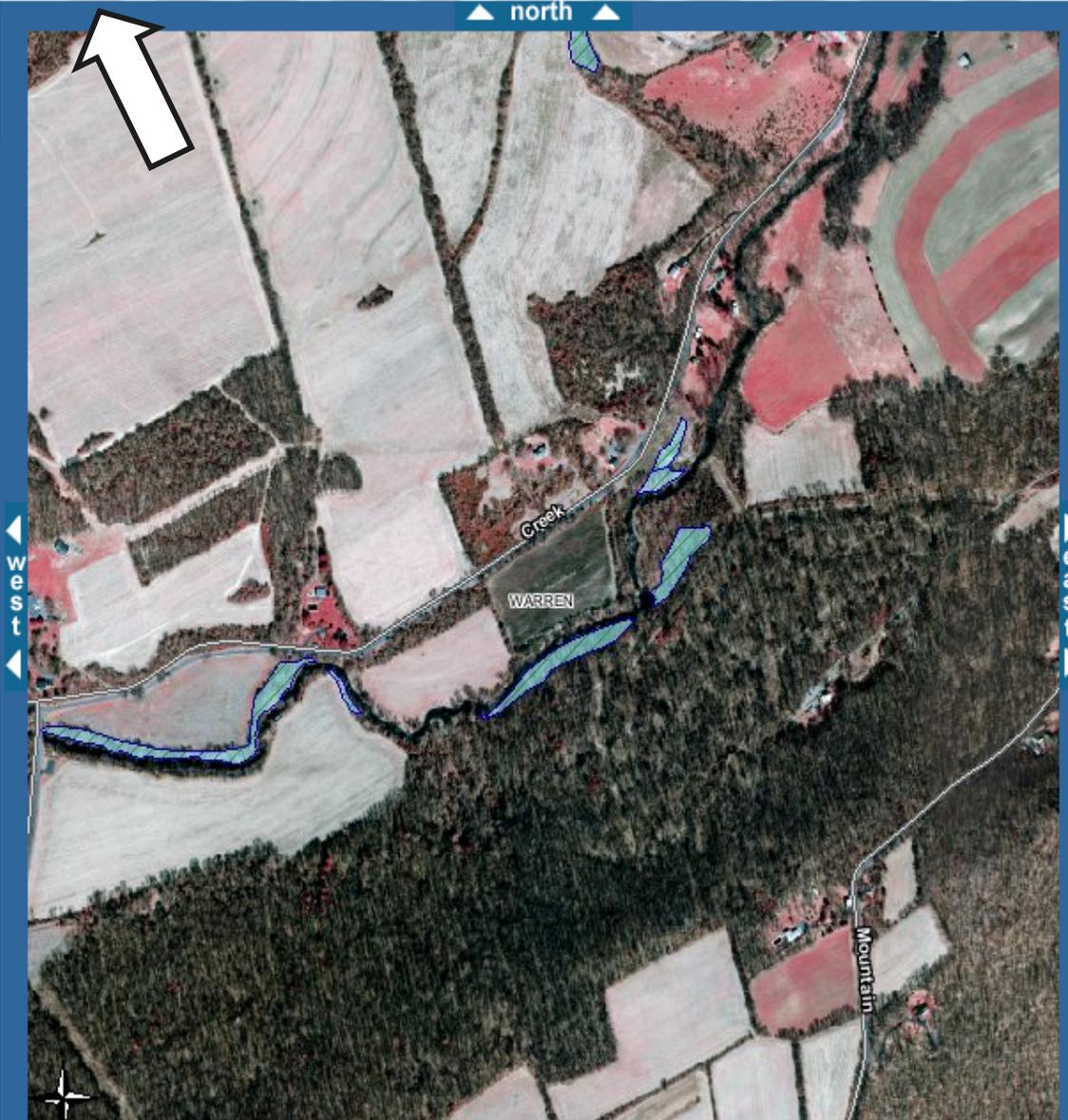
- ✓ Continue to zoom in until you see your farm in detail
- ✓ With the left mouse button held down, draw a zoom in box as shown in the next slide
- ✓ This will display the air photo when zoomed in as shown
- ✓ The Roads are labeled with the road name
- ✓ The wetlands are shown in blue
- ✓ If necessary click the *Refresh Map* to redraw the map

Data Layers

AutoRefresh Map

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- [Roads \(Tele Atlas\)](#)



Query

Legend

- Selected Features
- Municipalities
- Counties
- Roads (Tele Atlas)
- Wetlands (2002)
- WETLANDS
- Aerial Photos 2002
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STEP 7 Identify Wetlands

- ✓ If any wetlands are found they are shown in blue

STEP 8 Measure distance to any wetlands on or near your farm

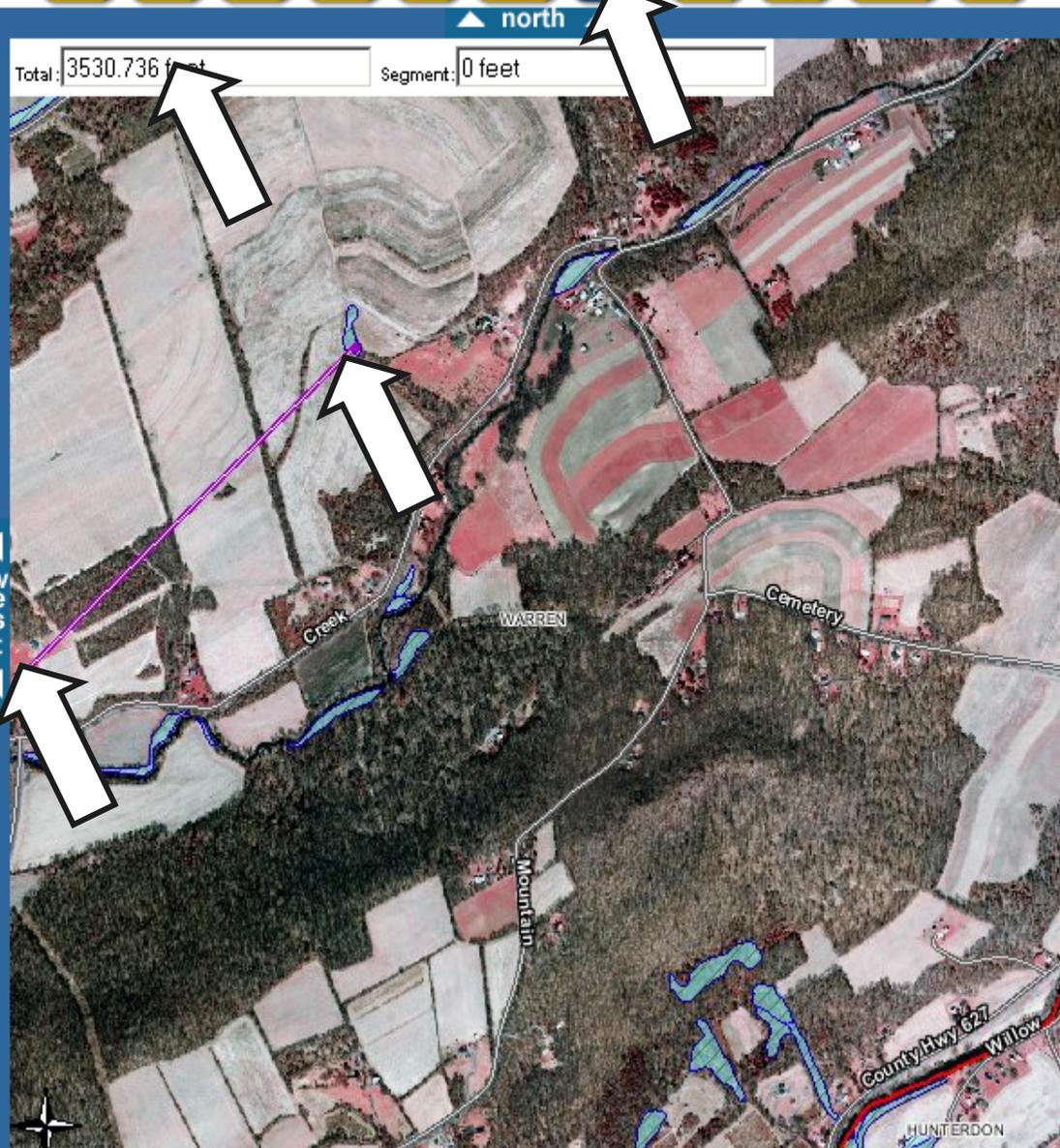
- ✓ To measure the distance from your farm to any wetlands click the Measure button located along the top of the i-MapNJ screen
- ✓ Click on the air photo on your farm to start measuring
- ✓ Click on the wetlands you are measuring the distance to
- ✓ The distance will display in the distance box as shown in the next slide

Data Layers

AutoRefresh Map

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- [Roads \(Tele Atlas\)](#)



Query

Legend

- Selected Features
- Municipalities
- Counties
- Roads (Tele Atlas)
- Wetlands (2002)
- WETLANDS
- Aerial Photos 2002
- Mid-Atlantic States
- New Jersey
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STEP 9 Print map(s) if necessary

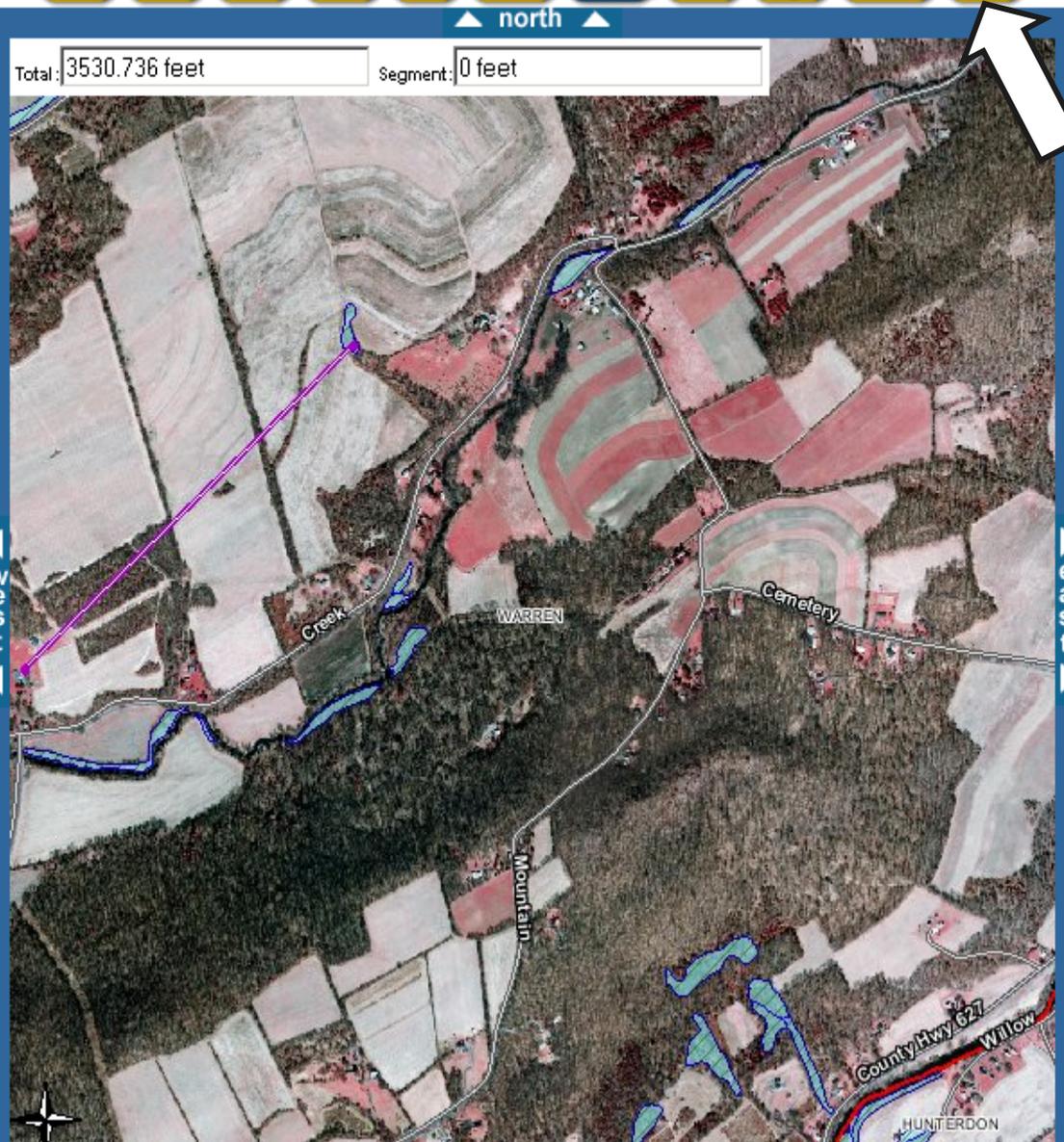
- ✓ If you would like to print a copy of the map at any time, click the yellow print button near the top of the i-MapNJ screen

Data Layers

AutoRefresh Map

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Query

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Helpful Links

- Using I-Map (www.nj.gov/dep/gis)
- NJ DEP Home Page (www.nj.gov/dep)
- NJ DEP Water Supply Home Page
(www.nj.gov/dep/watersupply)
- Rutgers Cooperative Research Extension
(<http://njaes.rutgers.edu/>)