

i-MapNJ DEP

Is there groundwater contamination on or near your farm?

Using i-MapNJ to find and measure distances to known contaminated sites on or near your farm





Locate farm and contaminated sites

- 1) Start I-MapNJ
- 2) Find approximate location by municipality
- 3) Turn on known contaminated sites, Groundwater contamination areas (CEA), Groundwater contamination areas (CKA), 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 known contaminated sites
- 8) Measure distance to any known contaminated sites 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

About DEP

Index by Topic

Programs & Units

- Air
- Water
- Land & Open Space
- Site Cleanups
- Waste Management
- Parks & Forests
- Fish & Wildlife

- Education
- Enforcement
- Highlands
- Historic Preservation
- Pesticides
- Radiation Protection
- Recycling
- Smart Growth
- Citizen
- Business
- Calendar
- DEP en Español
- Information Tools**
- DEP Online
- i-Map NJ
- Data Miner
- Public Records (OPR)
- Child Care Center Guidance
- GIS Data
- Rules & Regulations



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**

- Interactive Mapping
- Downloads
- Standards
- GPS
- Resources
- Training
- FAQs

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

[i-MapNJ DEP home](#) | [bgis home](#) | [about bgis](#) | [contact bgis](#) | [njdep home](#) | [contact njdep](#)

**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

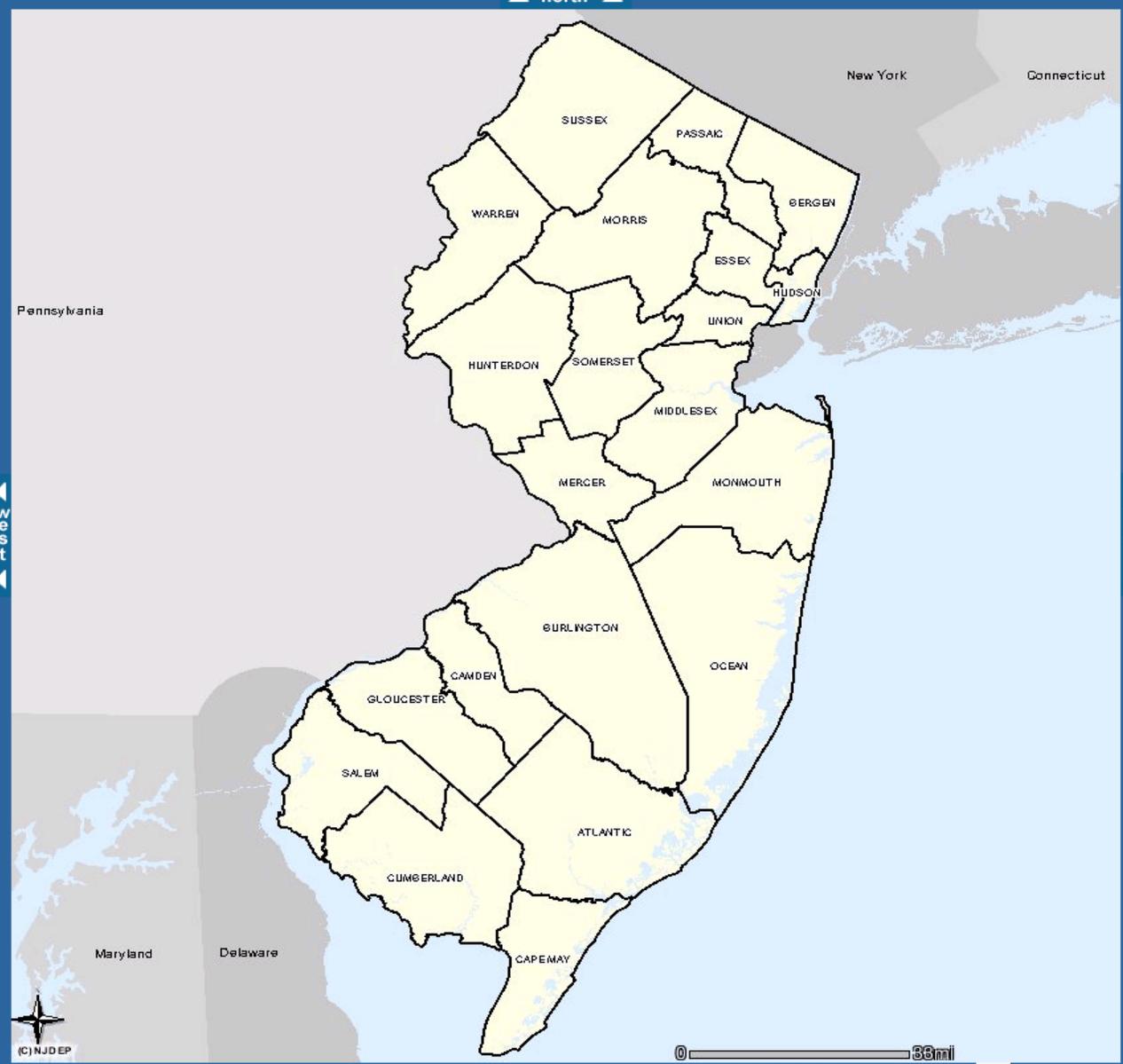
Data Layers

refresh map

AutoRefresh Map

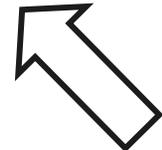
Visible Active

- NJEMS Sites
- Chromate Sites
- Public Community Water Supply Wells
- Air Monitoring Stations
- Fish Index Of Biotic Integrity**
- Known Contaminated Sites List
- Ambient Biomonitoring Network (AMNET)
- Place Names
- Zip Codes
- Urban Enterprise Zones
- Municipalities
- Counties**
- Congressional Districts
- Legislative Districts
- CAFRA Boundary
- Highlands
- Pinelands Boundary
- Open Space (State)
- Natural Heritage Priority Sites
- Pinelands Management Area
- Sewer Service Areas
- Roads (Tele Atlas)
- Category One Waters
- Surface Water Quality Standards
- Streams
- Water Bodies
- Delaware and Raritan Canal Commission Review Zones
- Shellfish Classification**
- Landscape Project (Bald Eagle Foraging)
- Landscape Project (Beach)
- Landscape Project (Emergent Wetlands)
- Landscape Project (Forest)
- Landscape Project (Grassland)



Query

[Find Location of Interest](#)



Legend

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



0 38mi

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

ATLANTIC

For Municipality

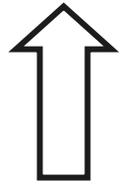
BUENA VISTA TWP

find

close

help

Copyright © State of New Jersey, 1996-2007
Department of Environmental Protection
P. O. Box 402
Trenton, NJ 08625-0402

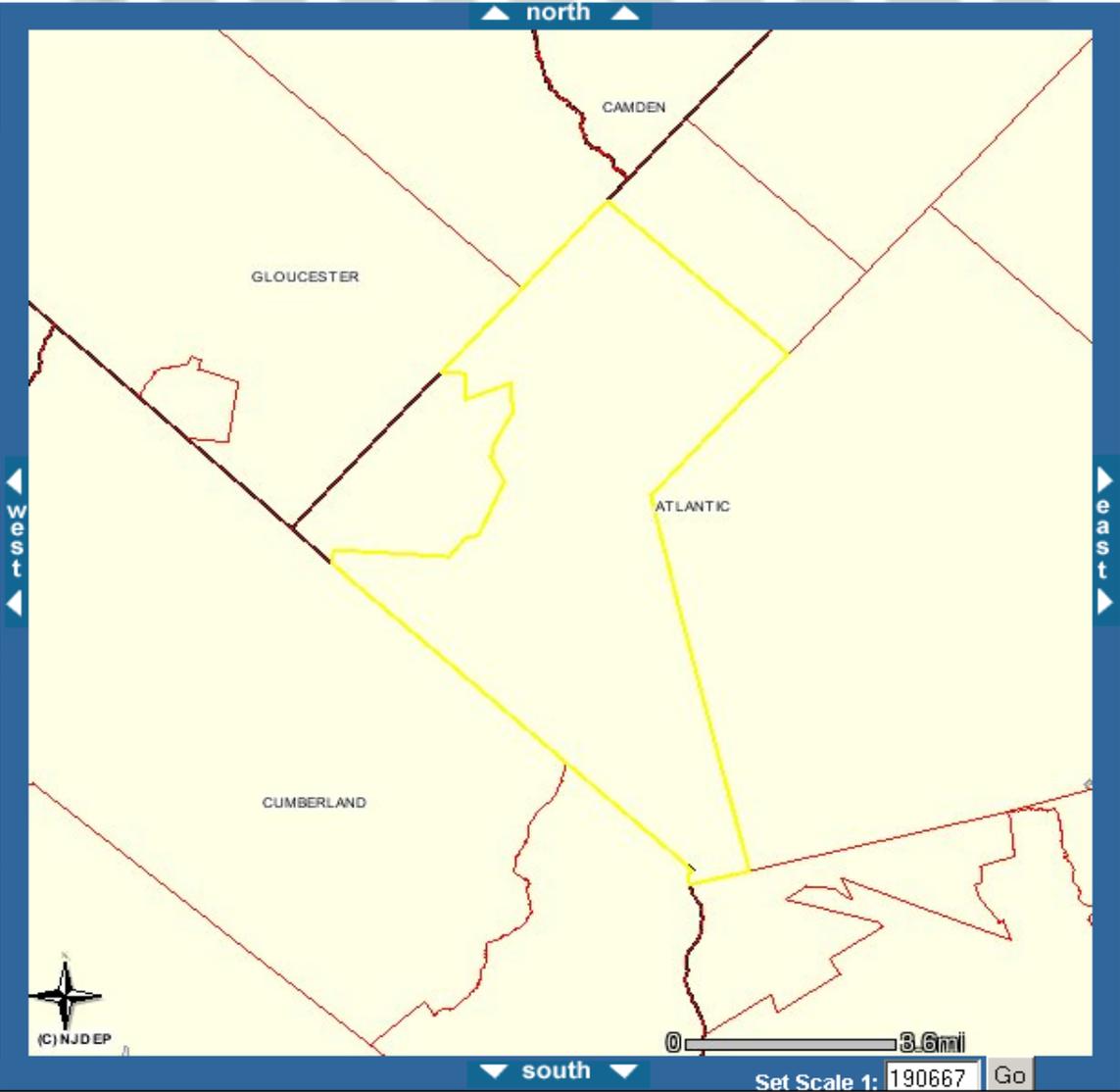


STEP 2 Find approximate location by municipality *Continued*

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

Data Layers

-
- AutoRefresh Map
- Visible Active
- [NJEMS Sites](#)
 - [Chromate Sites](#)
 - [Public Community Water Supply Wells](#)
 - [Air Monitoring Stations](#)
 - [Fish Index Of Biotic Integrity](#)
 - [Known Contaminated Sites List](#)
 - [Ambient Biomonitoring Network \(AMNET\)](#)
 - [Place Names](#)
 - [Zip Codes](#)
 - [Urban Enterprise Zones](#)
 - [Municipalities](#)
 - [Counties](#)
 - [Congressional Districts](#)
 - [Legislative Districts](#)
 - [CAFRA](#)
 - [Highlands](#)
 - [Pinelands Boundary](#)
 - [Open Space \(State\)](#)
 - [Natural Heritage Priority Sites](#)
 - [Pinelands Management Area](#)
 - [Sewer Service Areas](#)
 - [Roads \(Tele Atlas\)](#)
 - [Category One Waters](#)
 - [Surface Water Quality](#)



Query

[Find Location of Interest](#)

Legend

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

STEP 3 Turn on the Roads and Contaminated Sites 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 Buttons for known contaminated sites, Groundwater contamination areas (CEA), and Groundwater contamination areas (CKA), click the yellow *Refresh Map* button located directly under the *Data Layers* heading 



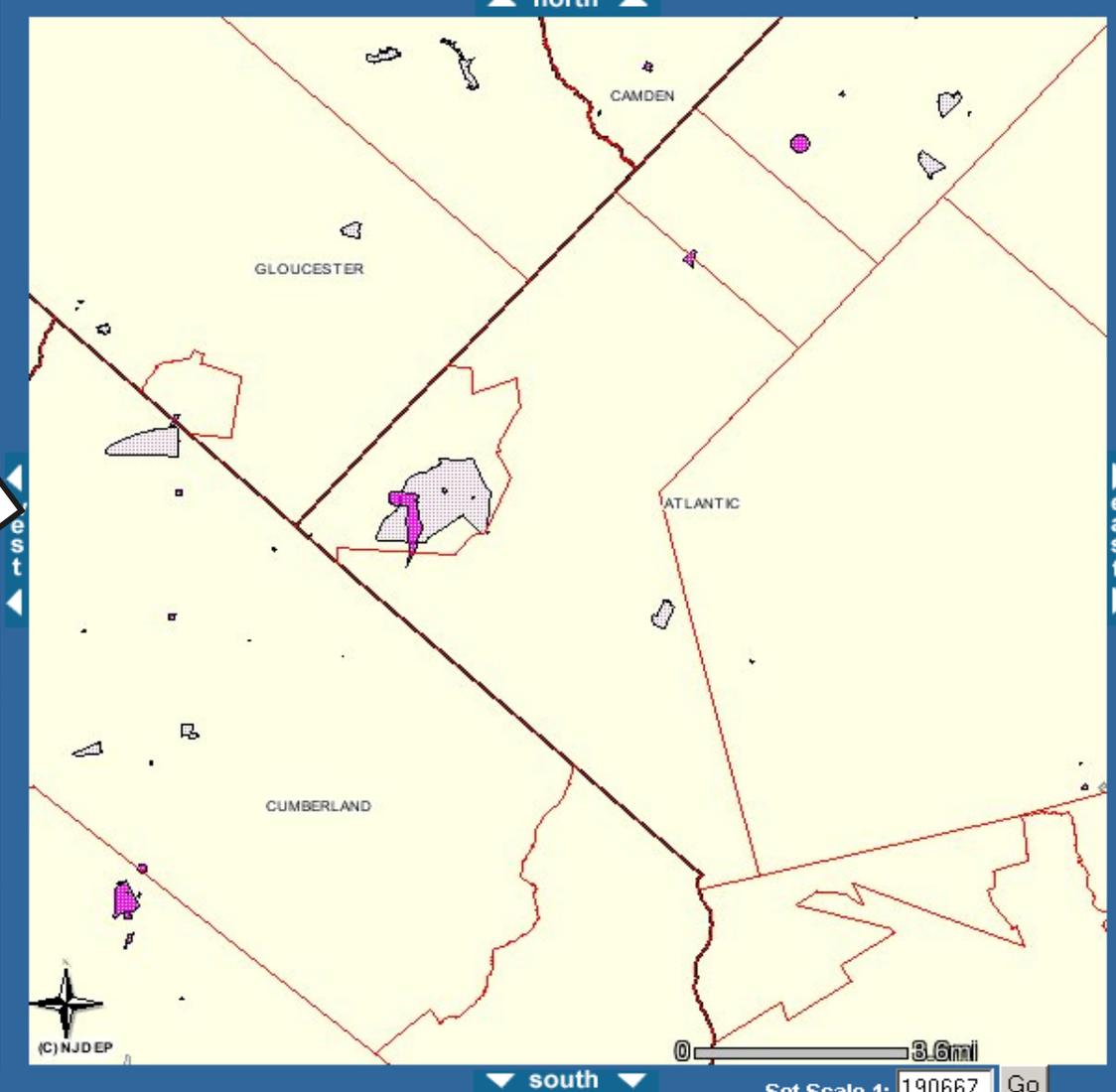
[zoom in](#) [zoom out](#) [full extent](#) [last extent](#) [pan](#) [identify](#) [measure](#) [select](#) [set origin](#) [clear selection](#) [print](#)

Data Layers

[refresh map](#)

Auto Map

- Visible Active
- [NJEMS Sites](#)
 - [Chromate Sites](#)
 - [Public Community Water Supply Wells](#)
 - [Air Monitoring Stations](#)
 - [Fish Index Of Biotic Integrity](#)
 - [Known Contaminated Sites List](#)
 - [Ambient Biomonitoring Network \(AMN\)](#)
 - [Place Names](#)
 - [Zip Codes](#)
 - [Urban Enterprise Zones](#)
 - [Municipalities](#)
 - [Counties](#)
 - [Congressional Districts](#)
 - [Legislative Districts](#)
 - [CAFRA](#)
 - [Highlands](#)
 - [Pinelands Boundary](#)
 - [Open Space \(State\)](#)
 - [Natural Heritage Priority Sites](#)
 - [Pinelands Management Area](#)
 - [Sewer Service Areas](#)
 - [Roads \(Tele Atlas\)](#)
 - [Category One Waters](#)
 - [Surface Water Quality](#)



Query

[Find Location of Interest](#)

Legend

- Municipalities
- Counties
- Groundwater Contamination Areas (CEA)
- Groundwater Contamination Areas (CKE)
- Mid-Atlantic States
 - New Jersey
 - Other States

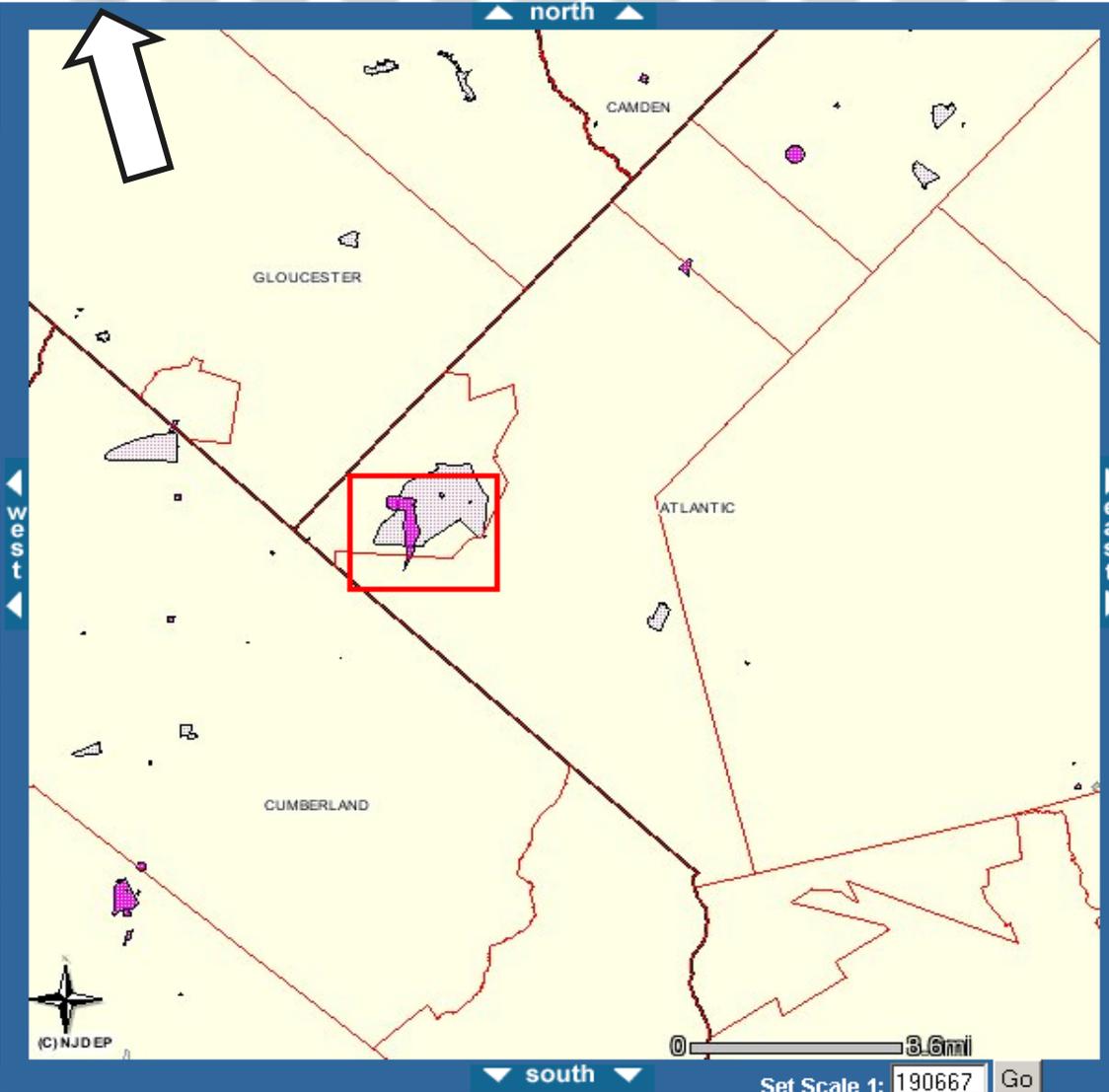
STEP 4 Zoom in to see air photo and roads

- ✓ 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

Data Layers

AutoRefresh Map

- Visible Active
- [NJEMS Sites](#)
 - [Chromate Sites](#)
 - [Public Community Water Supply Wells](#)
 - [Air Monitoring Stations](#)
 - [Fish Index Of Biotic Integrity](#)
 - [Known Contaminated Sites List](#)
 - [Ambient Biomonitoring Network \(AMNET\)](#)
 - [Place Names](#)
 - [Zip Codes](#)
 - [Urban Enterprise Zones](#)
 - [Municipalities](#)
 - [Counties](#)
 - [Congressional Districts](#)
 - [Legislative Districts](#)
 - [CAFRA](#)
 - [Highlands](#)
 - [Pinelands Boundary](#)
 - [Open Space \(State\)](#)
 - [Natural Heritage Priority Sites](#)
 - [Pinelands Management Area](#)
 - [Sewer Service Areas](#)
 - [Roads \(Tele Atlas\)](#)
 - [Category One Waters](#)
 - [Surface Water Quality](#)



Query

[Find Location of Interest](#)

Legend

- Municipalities
- Counties
- Groundwater Contamination Areas (CEA)
- Groundwater Contamination Areas (CKE)
- Mid-Atlantic States
- New Jersey
- Other States

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

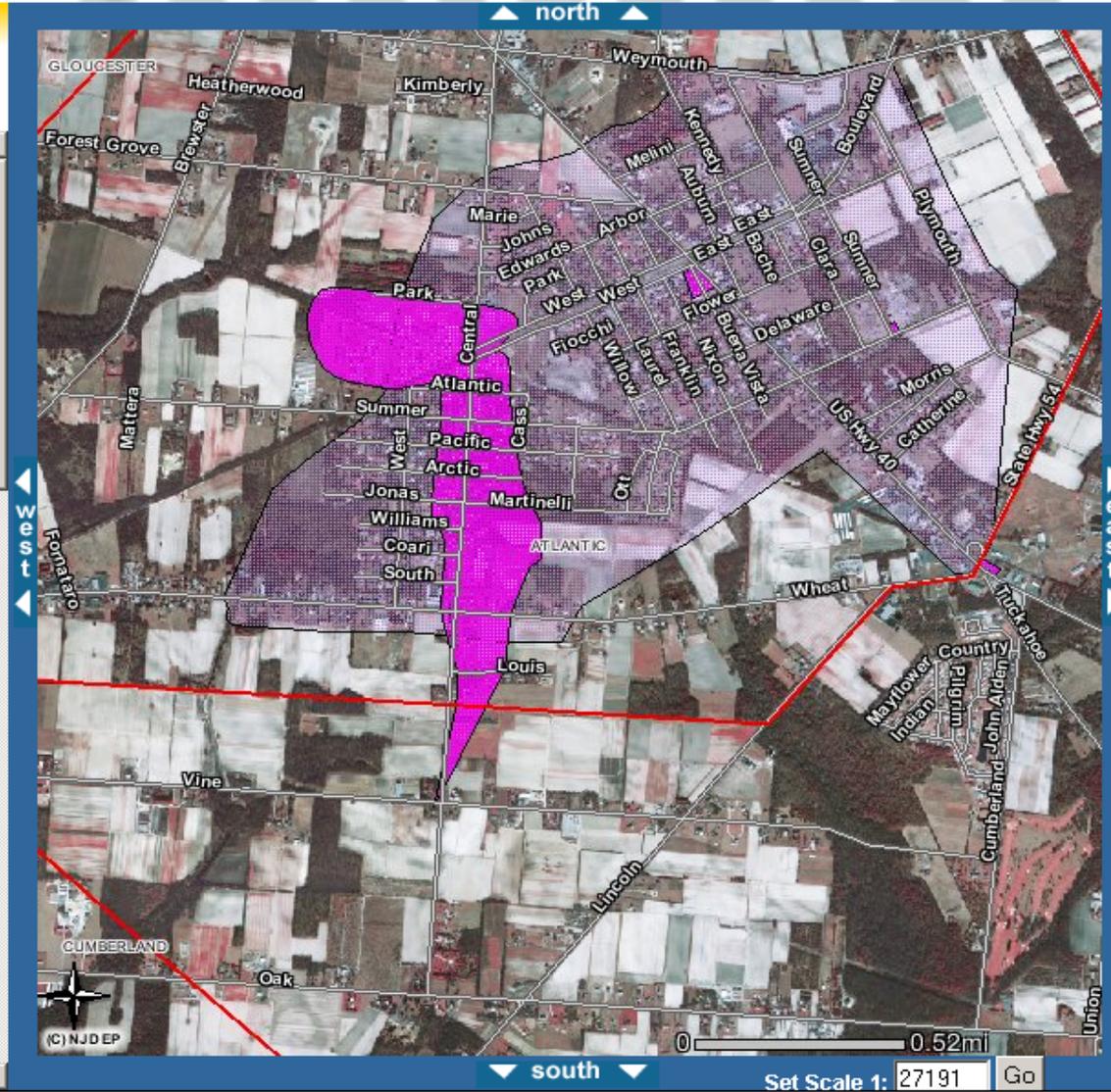
- ✓ This will display the Roads and contaminated Sites data layers zoomed into the area drawn by the box
- ✓ The contaminated sites are the areas shown in pink
- ✓ The Roads are labeled with the road name
- ✓ If necessary click the *Refresh Map* to redraw the map

Data Layers

AutoRefresh Map

Visible Active

- [NJEMS Sites](#)
- [Chromate Sites](#)
- [Public Community Water Supply Wells](#)
- [Air Monitoring Stations](#)
- [Fish Index Of Biotic Integrity](#)
- [Known Contaminated Sites List](#)
- [Ambient Biomonitoring Network \(AMNET\)](#)
- [Place Names](#)
- [Zip Codes](#)
- [Urban Enterprise Zones](#)
- [Municipalities](#)
- [Counties](#)
- [Congressional Districts](#)
- [Legislative Districts](#)
- [CAFRA](#)
- [Highlands](#)
- [Pinelands Boundary](#)
- [Open Space \(State\)](#)
- [Natural Heritage Priority Sites](#)
- [Pinelands Management Area](#)
- [Sewer Service Areas](#)
- [Roads \(Tele Atlas\)](#)
- [Category One Waters](#)
- [Surface Water Quality](#)



Query

Legend

- Municipalities
- Counties
- Roads (Tele Atlas)
- Groundwater Contamination Areas (CEA)
- Groundwater Contamination Areas (CKE)
- Aerial Photos 2002
- Mid-Atlantic States
- New Jersey
- Other States

STEP 5 Find farm by roads and features on air photo

Zoom in , zoom out, or pan as needed to display the area near your farm

- ✓ The Pan buttons allow you to move in any direction to locate your farm as shown in the next slide. The large white arrows are pointing to the pan north and pan east white arrow buttons. To pan in that direction click the small white arrow.
- ✓ The Roads are labeled with the road name
- ✓ The contaminated sites are shown in pink
- ✓ If necessary click the *Refresh Map* to redraw the map

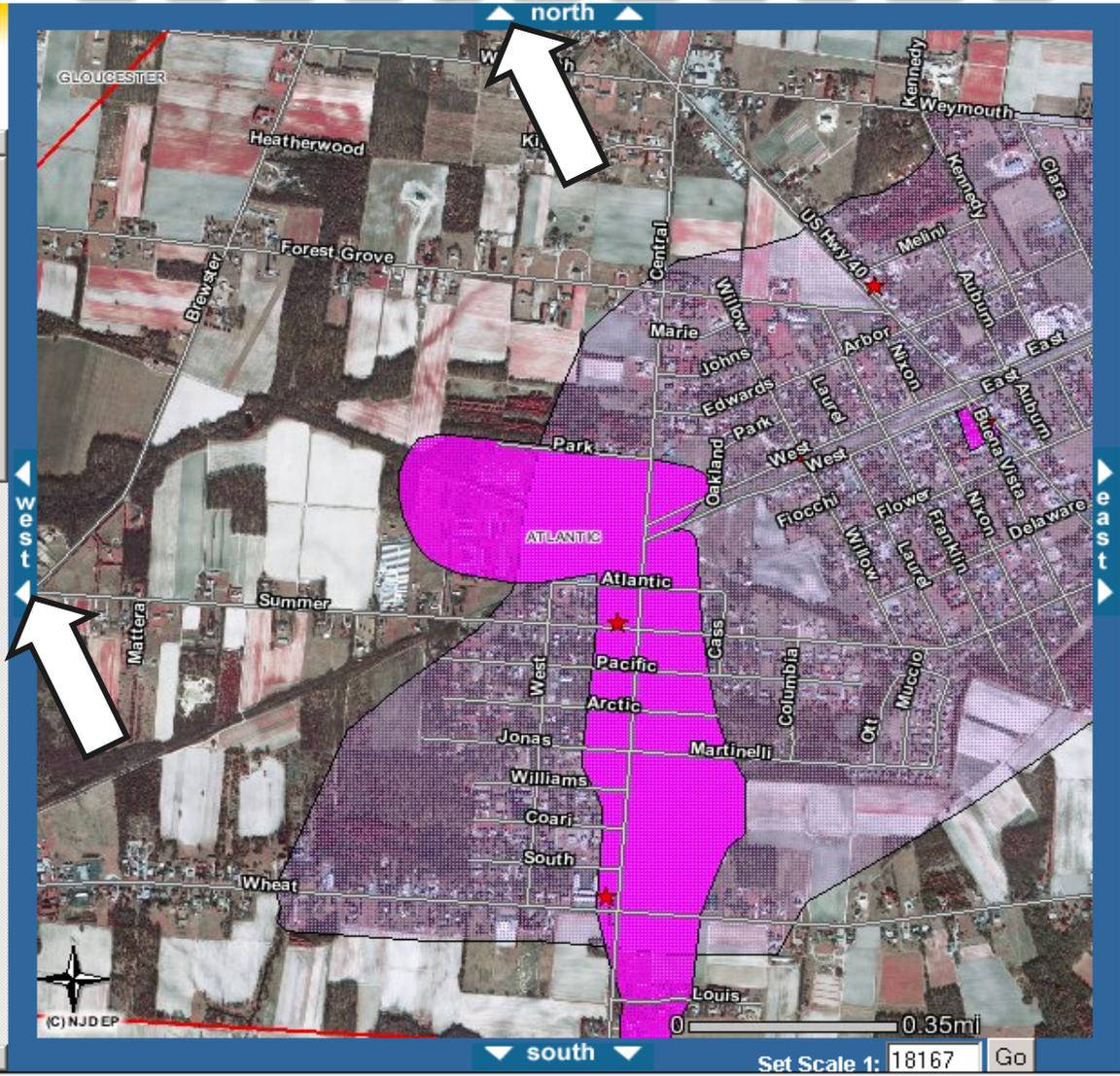
Data Layers

refresh map

Auto Refresh

Visible Active

- NJEMS Sites
- Chromate Sites
- Public Community Water Supply Wells
- Air Monitoring Stations
- Fish Index Of Biotic Integrity
- Known Contaminated Sites List**
- Ambient Biomonitoring Network (AMNET)
- Place Names
- Zip Codes
- Urban Enterprise Zones
- Municipalities**
- Counties**
- Congressional Districts
- Legislative Districts
- CAFRA
- Highlands
- Pinelands Boundary
- Open Space (State)
- Natural Heritage Priority Sites
- Pinelands Management Area
- Sewer Service Areas
- Roads (Tele Atlas)**
- Category One Waters
- Surface Water Quality



Query

[Find Location of Interest](#)

Legend

- Known Contaminated Sites List
- Municipalities
- Counties
- Roads (Tele Atlas)
- Groundwater Contamination Areas (CEA)
- Groundwater Contamination Areas (CKE)
- Aerial Photos 2002
- Mid-Atlantic States
- New Jersey
- Other States

STEP 6 Zoom in to farm so it fills the screen

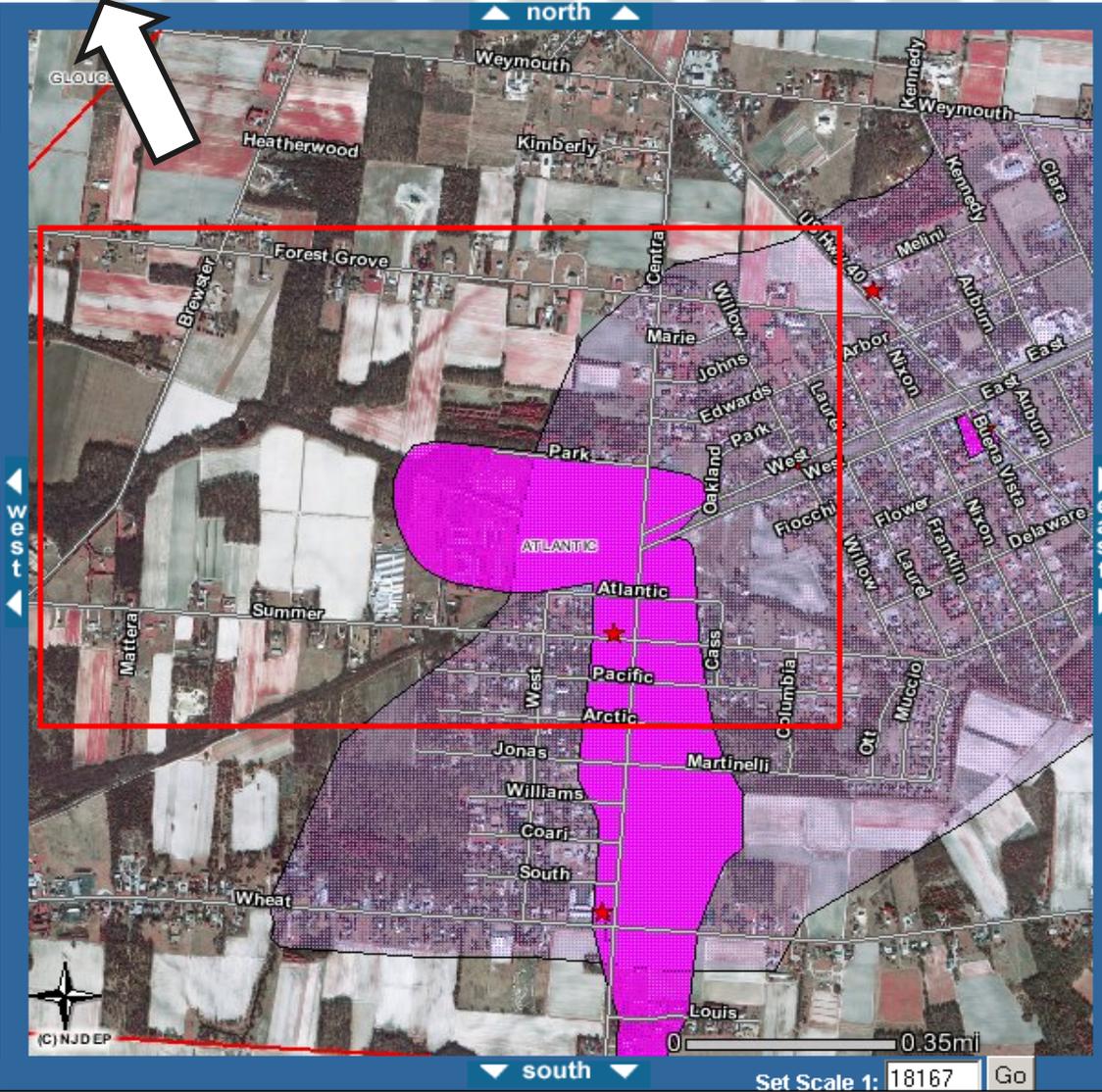
- ✓ Continue to zoom in or out and pan until you see your farm in detail
- ✓ With the left mouse button held down, draw a zoom in box as shown in the next slide
- ✓ This will display the air photo when zoomed in as shown
- ✓ The Roads are labeled with the road name
- ✓ The contaminated sites are shown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

Data Layers

AutoRefresh Map

Visible Active

- [NJEMS Sites](#)
- [Chromate Sites](#)
- [Public Community Water Supply Wells](#)
- [Air Monitoring Stations](#)
- [Fish Index Of Biotic Integrity](#)
- [Known Contaminated Sites List](#)
- [Ambient Biomonitoring Network \(AMNET\)](#)
- [Place Names](#)
- [Zip Codes](#)
- [Urban Enterprise Zones](#)
- [Municipalities](#)
- [Counties](#)
- [Congressional Districts](#)
- [Legislative Districts](#)
- [CAFRA](#)
- [Highlands](#)
- [Pinelands Boundary](#)
- [Open Space \(State\)](#)
- [Natural Heritage Priority Sites](#)
- [Pinelands Management Area](#)
- [Sewer Service Areas](#)
- [Roads \(Tele Atlas\)](#)
- [Category One Waters](#)
- [Surface Water Quality](#)



Query

Legend

- Known Contaminated Sites List
- Municipalities
- Counties
- Roads (Tele Atlas)
- Groundwater Contamination Areas (CEA)
- Groundwater Contamination Areas (CKE)
- Aerial Photos 2002
- Mid-Atlantic States
- New Jersey
- Other States

STEP 7 Identify Contaminated Sites and Areas

- ✓ If any known contaminated sites are found they are shown in red stars. The contaminated areas are shown in pink.

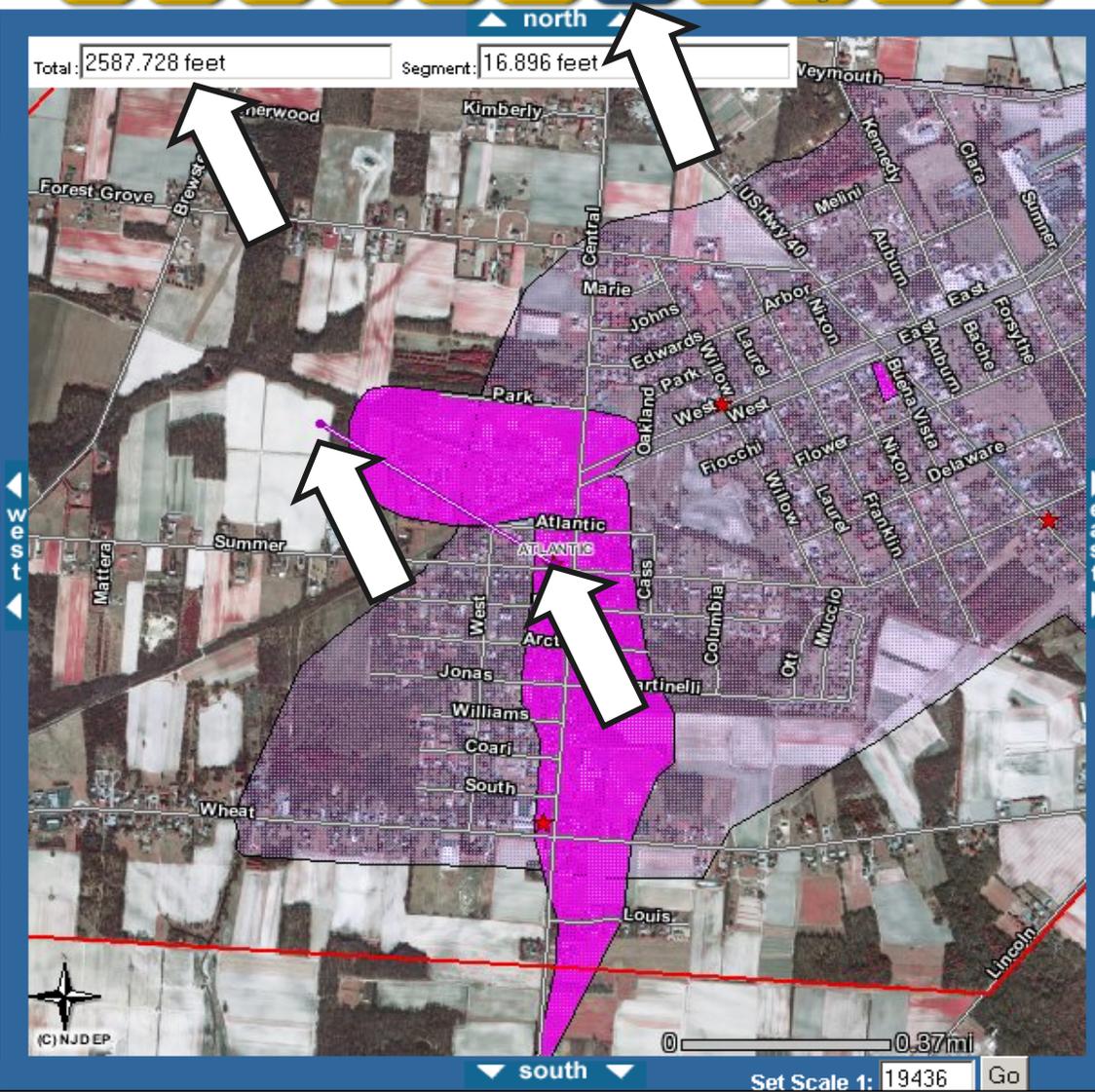
STEP 8 Measure distance to any contaminated areas on or near your farm

- ✓ To measure the distance from your farm to any contaminated area 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 area or site you are measuring the distance to
- ✓ The distance will display in the distance box as shown in the next slide

Data Layers

AutoRefresh Map

- Visible Active
- [NJEMS Sites](#)
 - [Chromate Sites](#)
 - [Public Community Water Supply Wells](#)
 - [Air Monitoring Stations](#)
 - [Fish Index Of Biotic Integrity](#)
 - [Known Contaminated Sites List](#)
 - [Ambient Biomonitoring Network \(AMNET\)](#)
 - [Place Names](#)
 - [Zip Codes](#)
 - [Urban Enterprise Zones](#)
 - [Municipalities](#)
 - [Counties](#)
 - [Congressional Districts](#)
 - [Legislative Districts](#)
 - [CAFRA](#)
 - [Highlands](#)
 - [Pinelands Boundary](#)
 - [Open Space \(State\)](#)
 - [Natural Heritage Priority Sites](#)
 - [Pinelands Management Area](#)
 - [Sewer Service Areas](#)
 - [Roads \(Tele Atlas\)](#)
 - [Category One Waters](#)
 - [Surface Water Quality](#)



Query

Legend

- ★ Known Contaminated Sites List
- Municipalities
- Counties
- Roads (Tele Atlas)
- Groundwater Contamination Areas (CEA)
- Groundwater Contamination Areas (CKE)
- Aerial Photos 2002
- Mid-Atlantic States
- New Jersey
- Other States

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



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/>)