

# SRP Profile Directions

## NJ-GeoWeb Home Page *(figure 1)*

1. Launch “[NJ-Geo Web Home Page](http://www.nj.gov/dep/gis/geoweb splash.htm)” at <http://www.nj.gov/dep/gis/geoweb splash.htm>  
If needed, use the Tutorial button on the NJ-GeoWeb main screen for NJ-GeoWeb training. The “NJ-Geo Web Demo” is a 7 minute video and “Tutorial for New Users” is a web page user guide
2. Choose Site Remediation (RPS) from select Profile Combo Box *(figure 1)* and click the ‘Launch’ button
3. NJ-GeoWeb page will open in a new window *(figure 2)* *Note: all items shown are on figure 2 unless otherwise noted*
4. Click on ‘Search’ Tab
5. Click on ‘RPS Search by PI ID’ tab (if you cannot find this tab, click on ‘All Searches’ tab and then click on the ‘RPS Search By PI ID’)
6. Enter Preferred ID Number (Facility ID), click ‘search’ button
7. **Screen Setup:** Adjust Screen settings using:
  - a. Change Size of Map View Frame
  - b. Reposition the Layer Manager *(Figure 3)* and Selection List *(figure 4)* objects by holding down the mouse and dragging the object to the location you want
8. **Location Check:** Check to see if the location is correct
  - a. You can turn on the roads layer to identify roads
    - i. Using the Layer Manager *(Figure 3)*, expand the Base Layers by click on the ‘+’ sign in front of the Base Layers
    - ii. Click the Check box in front of the ‘Roads (Tele Atlas)’ layer to make layer visible
    - iii. Click on the ‘Apply’ button to redraw the GIS window
  - b. Zoom in (click on the ‘zoom in’ tool and then click on the site) to better identify the location  
Zoom out to the proper scale.
9. Once you have identified the site is in the correct location, you may start to evaluate the GIS layers. If the location is incorrect continue with the Location Update.
10. **Location Update:**
  - a. If the location is incorrect, click on “Search” Tab
  - b. Enter street address and Zip Code, then click the ‘Search’ button
  - c. Determine the correct location of the site based on the aerial photo and ‘Roads (Tele Atlas)’ layer. The ‘Parcels (Block and Lot)’ may also be useful in determining the site location and can be added from the Base Layers. Keep in mind that parcel data is available for all NJ counties with the exception of Essex and Middlesex Counties.
  - d. Once the location of the site has been determined, use the cursor to determine the correct site coordinates. The cursor should be placed at the front entrance to the facility for smaller sites and at the area of contamination (if feasible) for larger sites.
  - e. The Easting (X) and Northing (Y) coordinates in NJ State Plane feet will appear in the bottom right corner of the map (you may need to move the Layer Manager and SRP Profile ID objects in order to view the coordinates).
  - f. Record the Easting (X) and Northing (Y) coordinates and notify the Department of the correct NJ State Plane coordinates through the feedback loop.

## SRP Profile Directions

### Evaluate GIS Layers

11. **Human Health Layers** (click on the human health layers to expand the list)

### Water Media

12. **Extent Area:** To assist in interpreting the results, the Ground Water Extent Area (listed on the RPS Attachment) can be set by using the Buffer Selection as described below
  - a. **Drawing a Buffer:** You can buffer the selected SRP Preferred ID by using the Buffer Selections on the Advanced Tool Window (*Figure 5*)
    - i. Click on the 'advanced tools' (*figure 5*) and then click on 'buffer selection'
    - ii. The 'buffer selection' Window will appear (*figure 6*)
    - iii. On the 'buffer selection' Window,
      1. select 'Buffer Active Selections'
      2. 'SRP Preferred ID' as the Target Layer
      3. Enter the appropriate buffer radius
      4. Click on the 'Select' button to draw the buffer radius
  - b. **Removing a buffer:**
    - i. On the selection window (*figure 4*), click on the 'Show More Selection Tools' button
    - ii. To remove the buffer, click on the 'Clear Buffer Rings' button (*figure 7*)
13. **Private Wells:**
  - a. Click on the Purveyor layer and then click the 'Apply' button
    - i. This will show you if the area is supplied by public water (these areas are scored as 'o')
    - ii. Evaluate the nearby receptors
  - b. Click off the Purveyor layer and click on the Land Use layer, and then click the 'Apply' button
    - i. Right Click on the 'Land Use 2007' layer and then choose Make Layer Active (*figure 9*)
    - ii. Click on the 'legend' Map Tool to display the key
    - iii. Evaluate the nearby receptors: Click on the 'identify' tool and then click on the map to identify the land use. Click the 'x' to close window. This step can be repeated as many times as needed.
14. **Well Head Protection Areas (Community):** (*Layer viewable Scale is between 4999 and 500,001; if you zoom into a scale smaller than 1:4999, the layer will disappear*) Click off the Land Use 2007 layer, click on the Well Head Protection Areas (Community) layer and then click the 'Apply' button.
  - a. The Community WHPAs will be displayed
  - b. Evaluate the nearby receptors
15. **Well Head Protection Areas (Non-Community):** (*Layer viewable Scale is between 4999 and 500,001*) Click off the Well Head Protection Areas (Community) layer, click on the Well Head Protection Areas (Non-Community) layer and then click the 'Apply' button.
  - a. The Non-Community WHPAs will be displayed
  - b. Evaluate the nearby receptors.
16. **Surface Water Intakes:** The Surface Water Intakes layer is not available to the public.
17. **Water Body:** Click off the Well Head Protection Areas (Non-Community) layer, click on the Surface Water Quality Standards layer and then click the 'Apply' button.
  - a. The Surface Water Quality Standards will display.
  - b. Evaluate the nearby receptors: To identify the value:

## SRP Profile Directions

- i. Right Click on the Surface Water Quality Standards layer and then choose Make Layer Active
  - ii. Click on the 'identify' tool
  - iii. Click on the map object to identify the Surface Water Quality Standards
  - iv. Click the 'x' to close window
  - v. Repeated these steps as many times as needed
18. **Agricultural:** Click off the Surface Water Quality Standards layer and click on the Land Use layer, and then click the 'Apply' button
- a. The land use layer will display
  - b. Click on the 'legend' Map Tool to display the key
  - c. Evaluate the nearby Agricultural receptors. If you can not identify the Agricultural land using just the key, then
    - i. Right Click on the Land Use 2007 layer and then choose Make Layer Active
    - ii. Click on the 'identify' tool
    - iii. Click on the map to identify the land use
    - iv. Click the 'x' to close window
    - v. Repeat these steps as many times as needed

### Soil Media

19. **Extent Area:** The Soil Extent Area (listed on the RPS Attachment) can be set as described in 12a above. If your Extent Area is based on the Parcel Size, you can use the Parcel layer (located within Base Layers) to evaluate the extent area
20. **Soil Exposure: Residential:** Use the Land Use layer; you will need to change the Scale depending on the zone you are evaluating.
- a. Evaluate the nearby population for the three zones
    - Zone 1: 1-200 feet (scale 1:3,000)
    - Zone 2: 201-1700 feet (scale 1:8,000)
    - Zone 3: 1701-5280 feet (scale 1:25,000)
    - i. Change the Scale to 1:3,000 by typing 3000 in "set custom scale" window
    - ii. Click on the 'advanced tools' (*figure 5*) and then click on 'measure.'
    - iii. The Measure Window will appear, click on the 'Measure Distance' tool (*figure 8*).
    - iv. The measuring tool is now active. Click on the site to set the beginning point and then move the cursor to the point of interest
    - v. The Length will display in the Measure window. This will allow you to measure distances from the site
    - vi. Click on the 'x' to close both windows
  - b. Repeat procedures for the different zones (use the appropriate scale for each zone)
  - c. When you are completed with this layer, readjust the scale back to 1:5000
21. **Soil Exposure: School and Day Cares:** Click off the Land Use layer, click on the Schools Layer, Click on the Child Care layer and then click apply
- a. The School and Child Care layers will display
  - b. Evaluate the nearby School and Day Care layers receptors
  - c. Use the measure tool described in step 18a above to determine if there is a school or daycare within 200 feet of the soil buffer

## SRP Profile Directions

### Vapor Media

22. **Extent Area:** The Vapor Extent Area (listed on the RPS Attachment) can be set as described in 12a above. The vapor Extent Area is the GW length plus the vapor buffer.
23. **Vapor Exposure: residential:** , Click off the Schools Layer, click off the Child Care layer, click on the Land Use layer and then click the 'Apply' button.
  - a. The land use layer will display
  - b. Evaluate the nearby population for the appropriate VI buffer
    - i. Use the same procedure as the Step 18a above using 1:3000 scale
24. **Vapor Exposure: School and Day Cares:** Click off the Land Use layer, click on the Schools Layer, Click on the Child Care layer and then click apply.
  - a. The School and Child Care layers will display
  - b. Evaluate the nearby School and Day Care layers receptors
  - c. Use the measure tool described in step 18a above to determine if there is a school or daycare within 200 feet of the soil buffer
  - d. When you are completed with this layer, readjust the scale back to 1:5000
25. Click off the Land Use layer and then click the 'Apply' button. Then minimize the Human Health Layers.

### Ecological Receptors

26. **Ecological Receptor Layers** (click on the Ecological layers to expand the list)
27. **Extent Area:** The Ground Water Extent Area can be set as described in 11 above.
28. **Pinelands:** Click on the Pinelands Boundary layer and the Pinelands Management Area layer, then click on the 'Apply' button
  - a. The Pinelands Boundary and the Pinelands Management Area layers will display
  - b. Determine if the site is within the Pinelands; if it is, right click on the Pinelands Management Area layer and then choose make layer active
  - c. Use the 'identify' button to determine what Pineland Management Area the site is in.
29. **Highlands:** Click off the Pinelands Boundary layer and the Pinelands Management Area layer, then click on the Highlands layer. Then click on the 'Apply' button
  - a. The Highlands layer will display
  - b. Right click on the Highlands layer and then choose make layer active
  - c. Determine if the site is within the Highlands; if it is, use the identify button to determine what Highlands Area the site is in.
30. **Water Body: Ecological:** Click off the Highlands layer, click on the Surface Water Quality Standards layer and then click the 'Apply' button.
  - a. The Surface Water Quality Standards will display.
  - b. Evaluate the nearby Water Body: layers receptors: To identify the value,
    - i. Right click on the Surface Water Quality Standards layer and then choose Make Layer Active.
    - ii. Click on the 'identify' tool and then click on the map to identify the Surface Water Quality Standards.
    - iii. Click the 'x' to close window.
    - iv. This step can be repeated as many times as needed.

## SRP Profile Directions

31. **Natural Heritage:** Click off the Surface Water Quality Standards layer, click on the Natural Heritage Priority Sites layer and then click the 'Apply' button.
  - a. Right click on the Natural Heritage Priority Sites layer and then choose Make Layer Active.
  - b. Evaluate the Natural Heritage Priority Sites: To identify the sites,
    - i. Click on the 'identify' tool and then click on the map to identify the Natural Heritage Priority Site information
    - ii. Click the 'x' to close window.
    - iii. This step can be repeated as many times as needed.
  
32. **Landscape:** The Landscape receptor was compiled using Landscape, Version 2; however, NJ GeoWeb displays Version 3 as of March of 2012. Version 2 had a layer for each Species based Habitat (Beach, Emergent Wetlands, Forest, Forested Wetlands, and Grassland) as well as Species Based Patches (Bald Eagle Foraging, Urban Peregrine, and Wood Turtle). In Version 3, these layers have been merged together. You can:
  - a. Click off all Ecological Layers, click on the Landscape Regions Layer and click the 'Apply' button,
  - b. The Landscape Regions layer will display indicating the region.
  - c. Click off the Landscape Regions Layer, click on your Landscape Project – Species-Based Habitat Region Layer (*e.g. Landscape Project – Species-Based Habitat – Marine*) and click the 'Apply' button,
  - d. The appropriate Landscape Species-Based Habitat Region layer will display.
  - e. Right click on the appropriate Landscape Species-Based Habitat Region layer and then choose 'Make Layer Active'.
  - f. Evaluate the Landscape Species-Based Habitat Region layer
    - i. Click on the 'identify' tool and then click on the map to identify Rank for each Habitat.
    - ii. Click the 'x' to close window.
  - g. Click off the Landscape Species-Based Habitat Region layer, click on the Landscape Project – Vernal Habitat and click the 'Apply' button,
  - h. Evaluate the Landscape Project – Vernal Habitat layer (note: in Version 3, the Species Based Patches are mapped, but they are not identified)
  
33. **Wetlands:** Click off all of the Landscape layers, click on the Wetlands layer and then click on the 'Apply' button.
  - a. The Wetlands layer will display.
  - b. Evaluate the nearby Wetlands receptors: To identify the value,
    - i. Right click on the Wetlands layer and then choose Make Layer Active.
    - ii. Click on the 'identify' tool and then click on the map to identify the Wetlands.
    - iii. Click the 'x' to close window.
    - iv. This step can be repeated as many times as needed.
  
34. **Salt Water Marsh:** This layer is not visible at this time.

# SRP Profile Directions

Figure 1. NJ-GeoWeb Home Page

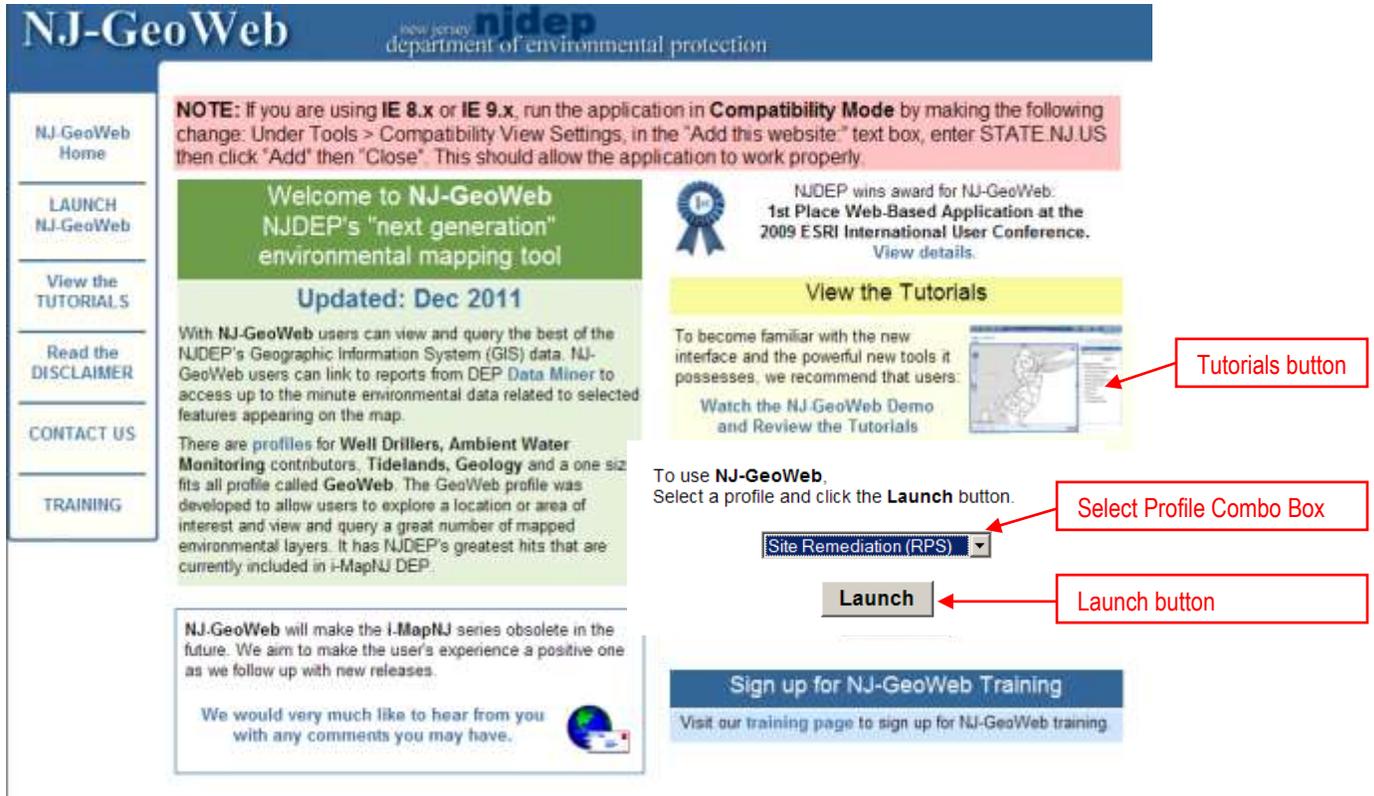
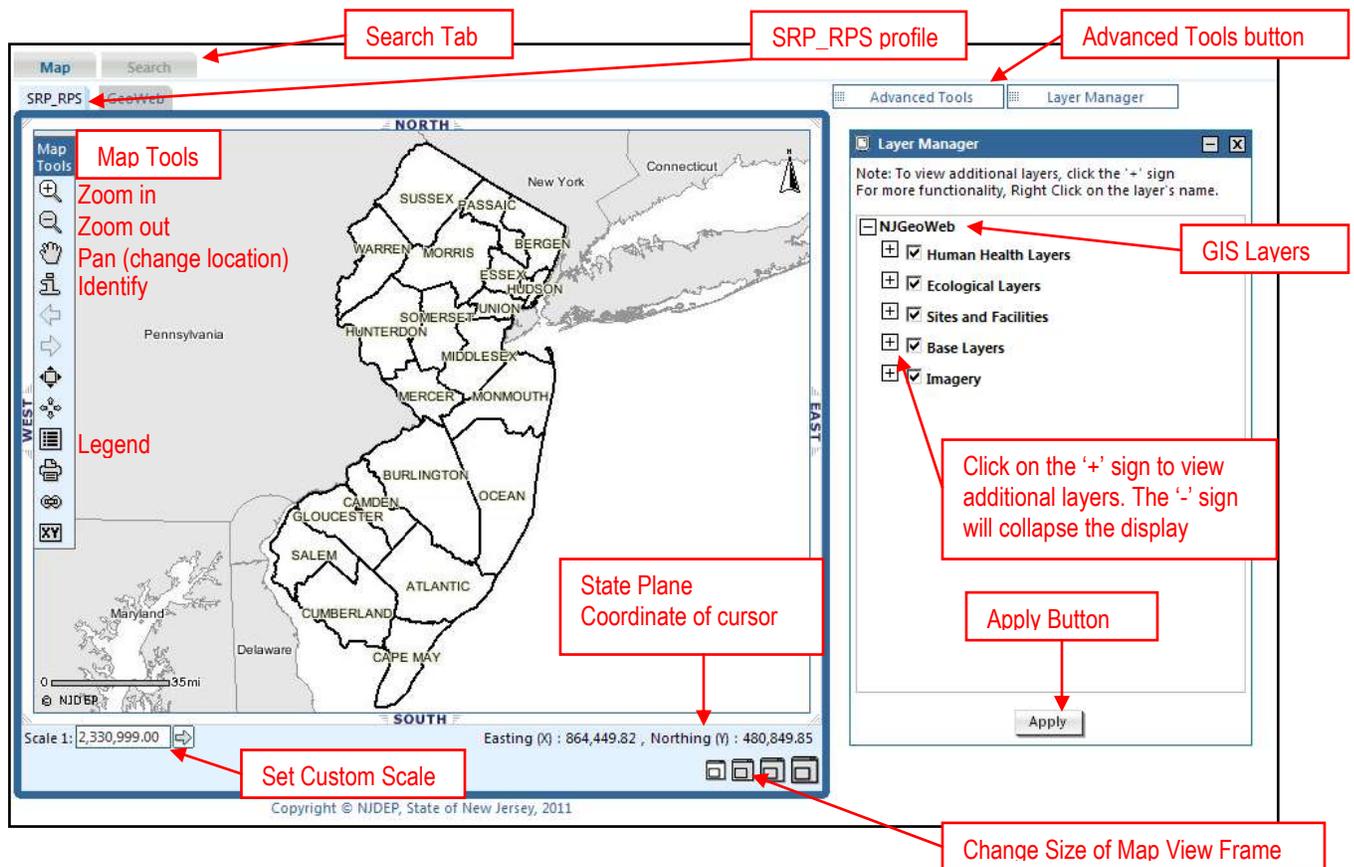


Figure 2. SRP RPS Profile main screen



# SRP Profile Directions

Figure 3. Layer Manager Window



Check box to make layer visible

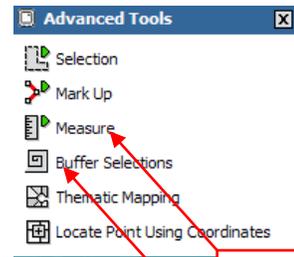
Figure 4. Selection List window



Selection check box

Show more selection tools

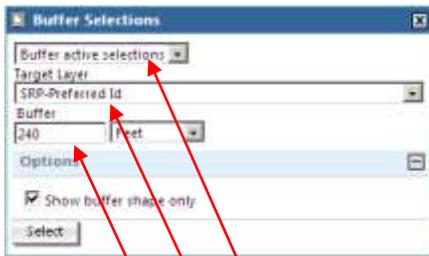
Figure 5. Advanced Tools window



Measure Distance tool

Buffer Selection tool

Figure 6. Buffer Selection window



Buffer selection

Target Layer

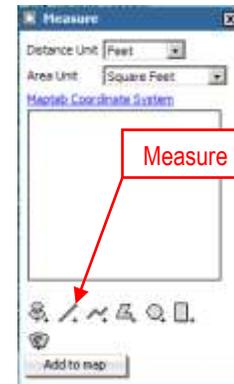
Buffer distance

Figure 7. Show More Selection Tools window



Clear Buffer Rings

Figure 8. "Measure tool Window



Measure Distance "Line" tool

Figure 9. More layer functionality

