

New Jersey Watershed Evaluation Tool (NJ-WET)

Frequently Asked Questions (FAQs)

1. What information can I get from NJ-WET to begin compiling the Watershed Improvement Plan (WIP) Phase 1 Watershed Inventory Report?

NJ-WET can be used to summarize and analyze the following publicly available datasets:

- ✓ Receiving waterbodies of MS4 outfalls
- ✓ Water quality classification of all receiving waterbody segments
- ✓ Area associated with each TMDL for waters that lie within or bordering the permittee's regulated area
- ✓ Area associated with each water quality impairment for waters that lie within or bordering the permittee
- ✓ Overburdened communities
- ✓ Impervious areas

A template of the Watershed Inventory Report, including a list of required data and their data sources, can be found at [NJDEP Watershed Improvement Plan Guidance and Resources](#).

2. How can I find subwatershed or HUC 14 information for a specific municipality?

- ✓ **Home Tab:** Navigate to the search bar on the top left of the screen to search for any NJ municipality. As you type, the municipality and county name will appear in the list. Clicking the municipality in the list will zoom to that municipality. A pop-up will appear with the following information: a summary of the municipality's area, population, intersecting HUC 14s, and TMDLs. To search for another municipality, unclick the current municipality to be taken back to the starting map.
- ✓ **Other Tabs:** On the TMDLs & Impairments, MS4 Infrastructure, and OBC & Impervious Surfaces tabs, navigate to the search bar on the top left of the screen to search for any municipality. As you type, the municipality and county name will appear in the list. Clicking the municipality in the list TWICE will zoom the map to that municipality. A pop-up will appear with the HUC 14 information.

3. How do I navigate through the pop-up lists?

- ✓ **All Tabs:** When you click on a location that is associated with one or more data layers, a pop-up box will appear, containing information for all layers that intersect with the point you clicked. To switch between pop-ups, click the Previous and Next buttons in

the top or bottom left of the pop-up box. You can also click the  button to quickly navigate back to a particular layer's location.

- ✓ While in any tab besides the Home  tab, you can use the Actions  button to view that specific record in the attribute table, mark the location for later use, or export the record to various formats. Note you can only mark one location at a time.

4. How do I use the attribute table?

- ✓ **Home Tab:** The attribute table is not available on the Home  tab.
- ✓ **Other Tabs:** If the attribute table is not currently active, you can click the Expand  button on the bottom of the screen. Conversely, you can click the Collapse  button to collapse the attribute table.
- ✓ When you select a record in the attribute table, the associated polygon will be highlighted on the map. If you are unsure where the polygon is, you can click the Actions  button on the right of the attribute table, and then select .
- ✓ If you select a polygon on the map, you can use the Show Selection  button to find the selected record in the attribute table.

5. How does the Legend work?

- ✓ The legend contains a list of all currently visible layers and how they are symbolized. As you zoom in or out, the legend will change based on which layers are currently visible. Additionally, if you manually disable a layer from view, it will also be removed from the legend.
- ✓ **Home Tab:** The legend is always active on the Home  tab.
- ✓ **Other Tabs:** The legend can be expanded or collapsed using the Expand  and Collapse  buttons on the right side of the screen.

6. How do I share this tool with others? / How do I create a QR code?

- ✓ **Home Tab:** Users are unable to share the tool or create a QR code from the Home  tab.
- ✓ **Other Tabs:** The most reliable way to share the NJ-WET tool is by creating a QR code. To do this, click the Share  button on the top right of your screen, then click the QR Code



button. A QR code will automatically be created. Click the Save as image button to save this code for further use or to share with others. This code does not contain any selections you have made and does not include your current level of zoom.

7. How do I choose which data layers are visible?

- ✓ **Home Tab:** Expand the More Tools  button in the top right corner, near the legend. Select the Layer List  button to expand the layers available. Layers can be toggled on and off by clicking the  button next to each layer.
- ✓ **Other Tabs:** Select the Layer List  button found on the top right side of the screen on each tab. Layers can be toggled on and off by clicking the button next to each layer.

8. How can I search for and find data for a particular address?

- ✓ NJ-WET was primarily created for municipal use. However, addresses can be entered in the search bar on any tab besides the home tab. When an address is selected, the view will zoom to it. You may click on the map at the address's location to see intersecting data. This data can be individually extracted through the Actions  button.
- ✓ Future updates will include making NJ-WET more accessible for Public Complex and Highway Agency permittees.

9. How do I create and export a PDF map?

- ✓ **Home Tab:** To create PDF maps of data, users will need to navigate to the TMDL & Impairments, MS4 Infrastructure, or OBC & Impervious Surfaces tabs. Users are not able to create PDFs from the home tab.
- ✓ **Other tabs:** To create a PDF of the current map extent, select the Print  button in the top right of the screen. Edit the title text box, check the print area is correct by clicking the print preview Show print area check mark, adjust any advanced settings using the drop down, and then click Print. The new PDF map will automatically appear in the Results tab. From there, click on the created map to download the PDF to your desktop.
- ✓ **NOTE:** PDF maps created will not be saved in the tool. Once you exit NJ-WET, they will disappear. Be sure to download and save the PDF map to your computer for future use.

10. How do I export data for a municipality?

- ✓ **Home Tab:** Data can only be exported from the TMDLs & Impairments, MS4 Infrastructure, and OBC & Impervious Surfaces tabs, the Home  tab does not allow the export of data.
- ✓ **Other Tabs:** Navigate to one of the following tabs: TMDLs & Impairments, MS4 Infrastructure, and OBC & Impervious Surfaces.
- ✓ Ensure the Export Data  button under the search bar is expanded if it's not already.
- ✓ Search for the municipality that you would like to export data for.
- ✓ Click on the municipality name twice.
- ✓ Users may choose to export all data being shown using the Export  button in the top right of the Export data window. You may choose to export the data as a .csv, JSON, or a GeoJSON.
- ✓ Users may choose to export specific layer datasets using the Export  button within the Export data window. This will automatically generate a .csv file.

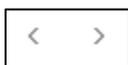
Example: 

11. How can I find MS4 infrastructure within the municipal boundary?

- ✓ Navigate to the MS4 Infrastructure tab.
- ✓ Select the Layer List  button in the top right of your screen. Disable all layers except for the stormwater infrastructure layer you are seeking data for, as well as the Municipality and Watersheds (DEPHUC 14) layers.
- ✓ Use the search bar in the top left to search for a municipality or location.
- ✓ Users are then able to utilize the Export data window to quantify the type and ownership of selected infrastructure within the municipal boundaries.

12. How do I determine the receiving waterbodies of MS4 outfalls within a municipality?

- ✓ Go to the MS4 Infrastructure tab.
- ✓ Click the Layer List  button and disable all layers except for MS4 Outfalls, Municipality, and Waterbody 2015 (NHD).
- ✓ Search for a municipality using the search bar in the top left.
- ✓ Zoom in to each outfall point and click the nearest water body. Use the Previous and Next



buttons to navigate to the Waterbody 2015 (NHD) layer pop-up.

- ✓ The name of the waterbody will be listed under “Name” in the pop-up.
- ✓ **NOTE:** The Tier A permit defines an outfall as “any point source which discharges directly to waters of the United States.” If you notice in NJ-WET that there are mapped outfalls, such as those used in stormwater management basins, that are not near waterbodies, please contact your county’s [MS4 Case Manager](#).

13. How do I determine water body classifications of receiving waterbodies?

- ✓ Go to the MS4 Infrastructure tab.
- ✓ Click the Layer List  button and disable all layers except for MS4 Outfalls, Municipality, and Surface Water Classifications.
- ✓ Search for a municipality using the search bar in the top left.
- ✓ For each MS4 Outfall, click the nearest water body and use the Previous and Next  buttons to navigate to the Surface Water Classifications pop-up.
- ✓ The classification is listed under the field “CATEGORY”.

14. How can I find TMDLs within a municipality?

- ✓ **Home Tab:** Navigate to the Home  tab.
- ✓ Use the search bar in the top left corner to search for and then click on a municipality. The map will zoom to the selected location and will show only the watersheds that intersect with the selected municipality.
- ✓ The intersecting HUC 14s and TMDLs are listed within the pop-up for the selected municipality.
- ✓ Close the current pop-up window and expand the More Tools  button.
- ✓ Select the Layers  button from the drop down in the top right. Hover over the Municipality layer and click the Visibility  button to disable the Municipality layer from view.
- ✓ Click on any of the intersecting subwatersheds to bring up the associated pop-up. Use the Previous and Next  buttons to navigate to the TMDL layer for that subwatershed.
- ✓ Repeat the step above for all HUC 14s within a municipality.
- ✓ **Other Tabs:** Go to the TMDLs & Impairments tab.
- ✓ Ensure the Export Data  button under the search bar is expanded if it’s not already.
- ✓ Search for the municipality that you would like to export data for.

- ✓ Click on the municipality name twice.
- ✓ The intersecting HUC 14s and TMDLs are listed within the Export Data window for the selected municipality.
- ✓ Click on the TDML or HUC 14s button within the Export Data window to find more information about each of the TMDLs or HUC 14s within your selected municipality.

15. How can I find water quality impairments within a municipality?

- ✓ **Home Tab:** Navigate to the Home  tab.
- ✓ Use the search bar in the top left corner to search for and click a municipality. The map should zoom to the selected location and outline only the watersheds that intersect the selected municipality.
- ✓ Select the Layers  button in the top right. Hover over the Municipality layer and click the Visibility  button that appears to disable the municipality from view.
- ✓ Click on any of the intersecting subwatersheds to bring up a summary view. Use the Previous and Next  buttons to navigate to the Water Quality Impairments layer for that watershed.
- ✓ Repeat the steps above for all subwatersheds within the municipality.
- ✓ **Other Tabs:** Go to the TMDLs & Impairments tab.
- ✓ Use the search bar in the top left corner to search for and click a municipality. The map should zoom to the selected location and outline only the watersheds that intersect the selected municipality.
- ✓ Click the Layer List  button in the top right. Use the checkmarks to toggle off all layers except for the Municipality layer, the Watersheds layer, and the 2020 Water Quality Impairment(s) Related to Stormwater layer.
- ✓ Click on any of the intersecting subwatersheds to open the pop-up window. Use the Previous and Next  buttons to navigate to the Water Quality Impairment(s) Related to Stormwater pop-up layer for that subwatershed.
- ✓ Repeat Step 4 for all subwatersheds within the municipality.

16. How can I determine which subwatersheds have overburdened communities (OBCs)?

- ✓ Navigate to the OBC & Impervious Surfaces tab.
- ✓ Select the Layer List  button and uncheck Impervious Surface (2015).
- ✓ Search for and zoom to a municipality.

- ✓ If no green or yellow Overburdened Communities are visible, zoom out. This layer is only visible at 1 mile or greater distances and is dependent upon computer desktop size.
- ✓ Once you are able to view the OBCs and the subwatersheds within the municipality, you can quantify which subwatersheds have a presence of OBCs.

17. How do I see more information on OBCs?

- ✓ Navigate to the OBC & Impervious Surfaces tab.
- ✓ Select the Layer List  button and uncheck Impervious Surface (2015).
- ✓ Search for and zoom to municipality.
- ✓ Users can click OBC parcels within their municipal boundaries to view more information via the OBC pop-up.
- ✓ Additional information on Overburdened Communities can be found at the NJDEP's Environmental Justice, Mapping, Assessment, and Protection Tool (EJMAP). To reach this map from NJ-WET:
 - Go to the OBC & Impervious Surfaces tab.
 - At the very bottom of your screen, click the text labeled "Visit NJDEP's Environmental Justice Mapping, Assessment and Protection Tool for more information."

18. How can I view impervious surfaces within the municipality?

- ✓ Navigate to the OBC & Impervious Surfaces tab.
- ✓ Select the Layer List  button and uncheck Overburdened Communities under the New Jersey Environmental Justice Law 2022.
- ✓ Search for and zoom to municipality.

19. I know the location of active stormwater infrastructure, but it is not shown in this tool.

Why is this?

- ✓ Mapping all MS4 infrastructure throughout the state is a significant undertaking that requires coordination from all MS4 permittees. Many permittees are still in the process of digitizing the inventory of their infrastructure, so it is not yet available for the department to provide publicly. This inventory process is required to be completed by 2026.
- ✓ If you are an official from a permitted MS4 and notice that your MS4 infrastructure is not appearing in NJ-WET, please confirm that you have properly submitted the infrastructure data to NJDEP by contacting your [MS4 Case Manager](#).

20. Where is the data in NJ-WET sourced from?

- ✓ Data for this tool is hosted by the Department’s Bureau of GIS and pulled directly from NJDEP Open Data. If you are interested in downloading any of the datasets in their entirety from the tool, you can click the NJDEP Open Data  button in the top right. You may have to scroll to find the button on some computer monitors.

21. How do I find further assistance with this tool?

- ✓ To receive further assistance, please contact your county’s municipal stormwater case manager. To access the case manager list in NJ-WET:
 - Click the text “Bureau of NJPDES Stormwater Permitting” located at the very bottom of the Home  tab.
 - Hover over the “Municipal Stormwater Regulation Program” tab.
 - Select “MS4 Case Manager List”
 - Click the name of the case manager associated with your county to receive their email address.