Watershed Inventory Report

Phase 1 of the Watershed Improvement Plan
Template for Tier A and Public Complex Permittees

INSERT PERMITTEE NAME
INSERT COUNTY

Date Approved: _____

Permit Number: NJG_____

Stormwater Program Coordinator: _____

The Department has prepared this template to provide guidance to MS4 permittees preparing the Watershed Inventory Report detailed as Phase 1 of the Watershed Improvement Plan (WIP). This template will ensure that all Phase 1 - Watershed Inventory Reports contain the same level of information, organized in the same format, so that every WIP across the state is easily reviewable and comparable by the public, the Department, and other MS4 permittees. Guidance and usage information is included throughout the template in italics as it is in this paragraph ere. This text is meant to assist permittees in understanding what type of information should be detailed in each section and should be deleted or replaced by permittees when creating their Phase 1 Watershed Inventory Report.

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Acronyms & Definitions

1. *Acronyms*
    - i. *"BMP" – Best Management Practice*
    - ii. *"DO" – Dissolved Oxygen*
    - iii. *"EPA" – U.S. Environmental Protection Agency*
    - iv. *"GIS" – Geographic Information System*
    - v. *"HUC 14" – Hydrologic Unit Code 14*
    - vi. *"MS4" – Municipal Separate Storm Sewer System*
    - vii. *"MTD" – Manufactured Treatment Device*
    - viii. *"NJPDES" – New Jersey Pollutant Discharge Elimination System*
    - ix. *"NJ-WET" – New Jersey Watershed Evaluation Tool*
    - x. *"TDS" – Total Dissolved Solids*
    - xi. *"TMDL" – Total Maximum Daily Load*
    - xii. *"TSS" – Total Suspended Solids*
    - xiii. *"WIP" – Watershed Improvement Plan*
2. *Definitions*
    - i. *"HUC 14" or "hydrologic unit code 14" means an area within which water drains to a particular receiving surface water body, also known as a subwatershed, which is identified by a 14-digit hydrologic unit boundary designation, delineated within New Jersey by the United States Geological Survey. (N.J.A.C. 7:9B)*
    - ii. *"Municipal separate storm sewer" (or MS4 conveyance) means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains) as defined in more detail at N.J.A.C. 7:14A-1.2.*
    - iii. *"Outfall" means any point source which discharges directly to waters of the United States and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels or other conveyances which connect segments of the same stream or other waters of the United States and are used to convey waters of the United States.*
    - iv. *"Storm drain inlet" means the point of entry into the storm sewer system.*
    - v. *"Stormwater" means water resulting from precipitation (including rain and snow) that runs off the land's surface, is transmitted to the subsurface, is captured by separate storm sewers or other sewerage or drainage facilities or is conveyed by snow removal equipment.*
    - vi. *"Stormwater facility" means stormwater infrastructure including, but not limited to, catch basins, infiltration basins, detention basins, green infrastructure (GI), filter strips, riparian buffers, infiltration trenches, sand filters, constructed wetlands, wet basins, bioretention systems, low flow bypasses, Manufactured Treatment Devices (MTDs), and stormwater conveyances.*
    - vii. *"Stormwater management basin" means a stormwater management basin as defined in N.J.A.C. 7:8.*
    - viii. *"Stormwater management measure" means a stormwater management measure as defined in N.J.A.C. 7:8.*
    - ix. *"Stormwater runoff" means water flow on the surface of the ground or in storm sewers, resulting from precipitation.*
    - x. *"Total maximum daily load" or "TMDL" means a total maximum daily load formally established pursuant to Section 7 of the Water Quality Planning Act (N.J.S.A. 58:11A-7) and Section 303(d) of the Clean Water Act, 33 U.S.C. §§12512 et seq. A TMDL is the sum of individual wasteload allocations for point sources, load allocations for nonpoint sources of pollution, other sources such as tributaries or adjacent segments, and allocations to a reserve or margin of safety for an individual pollutant.*
    - xi. *"Waters of the State" means the ocean and its estuaries, all springs, streams and bodies of surface or ground water, whether natural or artificial, within the boundaries of the State of New Jersey or subject to its jurisdiction" (see N.J.A.C. 7:9B-1.4).*

Data Requirements & Resources

The following table identifies the required features to be analyzed in the Phase 1 – Watershed Inventory Report, highlighting which features will need to be submitted electronically to the Department in addition to the MS4 Infrastructure Map on January 1, 2026. The table also details the best sources to view, retrieve, and analyze the required data. This section may be used as a reference and deleted or replaced when creating the Phase 1 – Watershed Inventory Report.

Required Data	Data Source
1. *All stormwater outfalls owned/operated by the permittee*	*MS4 Infrastructure Map*
2. *Drainage area for each permittee owned/operated outfall*	*Topography* *ArcGIS Solutions/ArcHydro*
3. *Receiving waterbodies of those outfalls*	*NJ-WET* *NJDEP Open Data*
4. *Water quality classification of all receiving waterbody segments*	*NJ-WET* *NJDEP Open Data*
5. *All stormwater interconnections from the permittee's MS4 system into another entities' storm or sanitary sewer system*	*MS4 to MS4 interconnections acquired in MS4 Infrastructure Map, private interconnection(s) needed*
6. *The drainage area for each interconnection into another entities' storm or sanitary sewer system*	*Topography* *ArcGIS Solutions/ArcHydro*
7. *All stormwater interconnections into the permittee's system from another entities' storm sewer system*	*MS4 to MS4 interconnections acquired in MS4 Infrastructure Map, private interconnection(s) needed*
8. *All storm drain inlets owned/operated by the permittee*	*MS4 Infrastructure Map*
9. *Area associated with each TMDL for waters that lie within or bordering the permittee's property(s)/jurisdiction*	*NJ-WET* *NJDEP Open Data*
10. *Area associated with each water quality impairment for waters that lie within or bordering the permittee's property(s)/jurisdiction*	*NJ-WET* *NJDEP Open Data*
11. *Overburdened communities*	*NJ-WET* *NJDEP Open Data* *EJMAP*
12. *Impervious areas*	*NJ-WET* *NJDEP Open Data*
13. *Location and ownership of all stormwater infrastructure not owned or operated by the permittee*	*H&H Database*

**The highlighted rows indicate that electronic data is required to be submitted to the Department via the Facility Submittal Service using NJDEP Online. Acceptable electronic data submittal formats are as follows:*

- *Georeferenced shapefile(s),*
- *Geodatabase(s), or*
- *AutoCAD file(s) (with all other non-applicable data stripped out).*

The non-highlighted rows in the table above will be analyzed and summarized, as detailed in the following sections, from the data acquired for the permittee's MS4 Infrastructure Map or from the Department's publicly available data. Data that was acquired during the creation of the MS4 Infrastructure Map or is publicly available data from the Department does not need to be submitted back to the Department.

The following resources are compiled to highlight the current WIP guidance and available datasets.

New Jersey Watershed Evaluation Tool (NJ-WET)

NJ-WET was developed by the Bureau of NJPDES Stormwater Permitting and Water Quality Management to assist permittees in the development and implementation of their WIPs. Users can download the following data and create unique PDF maps of the following:

- *Receiving surface waterbodies of outfalls*
- *Water quality classification of all receiving surface waterbody segments*
- *Subwatersheds associated with TMDLs*
- *Subwatersheds associated with water quality impairments*
- *Overburdened communities*
- *Impervious areas*

Link to NJ-WET: https://experience.arcgis.com/experience/f40f65d807bb4372bd92b48bb98f1972

NJDEP Open Data

NJDEP Open Data is a site hosted by the Bureau of GIS which congregates a multitude of publicly available data for download and manipulation. Some examples of datasets available for download that may assist in the development and implementation of the WIP are:

- *Receiving surface waterbodies of outfalls*
- *Water quality classification of all receiving surface waterbody segments*
- *Subwatersheds associated with TMDLs*
- *Overburdened communities*
- *Impervious areas*
- *Land use cover*
- *Elevation*
- *Hydrography*

Link to NJDEP Open Data: https://gisdata-njdep.opendata.arcgis.com/

MS4 WIP Guidance Webpage

The Bureau of NJPDES Stormwater Permitting and Water Quality Management hosts guidance on the webpage that captures the following:

- *Pollutants of Concern Summaries – Provides detailed descriptions of each water quality parameter of concern from MS4s and the related effects on the environment*
- *WIP Matrix – Provides examples of projects that would address different pollutant parameters*
- *Project Descriptions – Provides a narrative description of each project from the accompanying WIP Matrix*

Link to MS4 WIP guidance: https://dep.nj.gov/njpdes-stormwater/municipal-stormwater-regulation-program/watershed-improvement-plan-guidance/

TMDL Lookup Tool

The TMDL Lookup Tool allows users to search by county and municipality to obtain links to the specific TMDL reports generated for each subwatershed within the selected municipal boundary.

Link to TMDL Lookup Tool: https://dep.nj.gov/njpdes-stormwater/municipal-stormwater-regulation-program/tmdl/

New Jersey's Integrated Water Quality Assessment Reports – 303(d) List

The 303(d) list is required under Section 303(d) of the federal Clean Water Act, which mandates that states submit to USEPA, on a biennial basis, a list of waters that do not support their designated uses because they are not meeting surface water quality standards despite the implementation of technology-based effluent limits. All such waters must be identified on the 303(d) List of Water Quality Limited Waters ("303(d) List"). States must prioritize 303(d)-listed waters for Total Maximum Daily Load (TMDL) development and identify those high priority waters for which they anticipate establishing TMDLs in the next two years. The 303(d) List must be submitted to USEPA by April 1 of every even-numbered year. Since 2002, New Jersey has developed and submitted its 303(d) List and Two-Year TMDL Schedule as part of the Integrated Report.

Link to the Department's information: https://dep.nj.gov/wms/bears/water-quality-assessment/

New Jersey Environmental Justice Mapping, Assessment, and Protection Tool (EJMAP)

This tool was designed to support the NJDEP's efforts to implement the State's Environmental Justice (EJ) Law through its regulatory and permitting processes. More information on overburdened communities and data related to this may be found here.

Link to NJDEP's EJ Map: https://experience.arcgis.com/experience/548632a2351b41b8a0443cfc3a9f4ef6

H&H Database

The New Jersey Hydrologic Modeling Database, or "H&H Database," is the culmination of several decades of data collection effort by NJ Soil Conservation Districts and the NJ Department of Agriculture (NJDA). The data contained in the database was originally submitted to NJ soil conservation districts as part of the permit review process and are part of the public record. While every effort has been made to review the data for accuracy and correctness, the final responsibility for accuracy rests with the original designer(s). Site plans and design data are subject to all applicable copy write and intellectual property rights laws. The data available in this database can provide a starting point for permittees to identify potential private stormwater management measures within the permittee's jurisdiction.

Link to H&H Database: https://hydro.rutgers.edu/about/

List of Figures

The table below is an example detailing how this section should appear. Each line in the table should be updated and replaced by the permittee to reflect the corresponding information highlighted in the sections below.

List of Tables

The table below is an example detailing how this section should appear. Each line in the table should be updated and replaced by the permittee to reflect the corresponding information highlighted in the sections below.

Acknowledgements

The *(insert permittee name)'s* Watershed Inventory Report has been prepared by: *(list name of contributors and authors)*

List any sources of funding used in the preparation of the report including any regional collaboration with other MS4 permittees, stakeholders, and/or watershed groups.

Regional Collaboration

The Department encourages MS4 permittees to work together with other MS4 permittees, environmental groups, and/or watershed groups to develop regionalized WIPs where a regional approach would be more effective at meeting the surface water quality standards or would result in accelerated water quality and quantity improvements. Regionalized WIPs will be accepted as compliant with the MS4 permit requirements, provided that each permittee's responsibilities under the regional WIP are clearly outlined and agreed upon by each contributor in the group. A permittee may determine in Phase 1 that a regional WIP is the most appropriate and would then use this section to detail the agreement between the entities involved. Details of this agreement would need to include at a minimum:

- **List of entities involved**
- **Detailed description of work completed by each entity**
- **Signature(s) of each entity**

If a permittee is interested in taking a regional approach to the WIP but is unsure where to begin, contact the appropriate MS4 County Case Manager who will be able to assist by providing the contact information for the Stormwater Program Coordinator for the neighboring permittee(s). If permittees are interested in taking a regional approach based on Watershed Management Areas, a list of contact information for any watershed groups present in each WMA can be found here.

Introduction

This section should identify and detail the following information (if collaborating regionally, the following must be detailed for each MS4 permittee. It can be summarized in paragraph format or broken into sections that follow the headings below:

- **Location**
  - *Tier A municipalities: include municipality, county, and address*
  - *Public Complex permittees: list of municipalities, other MS4 permittees (including other Public Complexes or Highway Agencies) that discharge to the same subwatersheds as the permittee*
- **Population**
  - *Tier A municipalities – taken from the 2020 United States Census*
  - *Public Complex permittees - summarize the number of individuals present at the facility for 6 hours or more a day*
- **Demographics**
  - *Taken from the 2020 United States Census*
- **Land use type(s)**
  - *Taken from the most recent Land Use data hosted by NJDEP via NJDEP Open Data*
- **Subwatersheds within or bordering (*INSERT PERMITTEE NAME*)**
  - *Include hydrologic unit code 14 (HUC 14) for every subwatershed that lies within or bordering the permittee*
  - *Include subwatershed common names*
- **Area(s) Prone to Flooding**
  - *Detail area(s) prone to flooding within the permittee's jurisdiction including but not limited to inlets, outfalls, streets, overburdened communities, etc.*
- **Goal for the Watershed Improvement Plan**
  - *Detail the permittee's goals and objectives for creating the WIP*

***Electronic data required for submission**: None required for this section.*

Public Participation

Engaging with stakeholders opens a channel of communication and collaboration. By connecting with stakeholders early and often, it will lead to the identification of diverse perspectives, build trust and credibility within the community, and allow communities to make informed decisions. Public Complex permittees shall participate in semi-annual public information sessions hosted by the municipality(ies) and/or other Public Complexes that discharge to the same subwatershed(s) throughout the development of the WIP.

This section should detail the following information (if collaborating regionally, the following must be detailed for each entity):

- **List of stakeholders**
  - *List each stakeholder involved in the creation of this report*
- **List of Previously Held Meetings**
  - *List the dates, times, and topics for each meeting previously held regarding the WIP*
- **Summary of Feedback**
  - *Summarize any feedback received from informational or stakeholder sessions. Include notes and meeting minutes from any public meetings for the WIP*
- **Future Scheduled Meetings**
  - *List any scheduled dates for informational or stakeholder sessions*
  - *Add permittee's dedicated stormwater webpage link, where all WIP information, including upcoming meeting dates/times, can be found*

***Electronic data required for submission**: None required for this section.*

Stormwater Outfall(s)

This section should detail the following information for outfalls owned/operated by the permittee:

Stormwater Outfalls Owned/Operated by Permittee

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected*
- *Identify the number of outfalls*
- *Summarize the number of outfalls that discharge to each subwatershed*

Receiving Surface Waters

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected and the source if taken from publicly available data*
- *Identify the receiving surface waters within the permittee's jurisdiction*
- *Summarize the percent of outfalls that discharge to each receiving surface water*

Water Quality Classifications

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected and the source if taken from publicly available data*
  Summarize the percent of outfalls that discharge to each water quality classification within the permittee's jurisdiction

Table(s) # : Receiving Surface Water Bodies & Water Quality Classifications

Using NJ-WET, summarize the receiving surface waters and water quality classifications for each segment of stream or water body that permittee owned/operated outfalls discharge to. Use that information to create a table that, at a minimum, identifies the receiving surface water body name and water quality classification for each outfall.

*The following is an example table detailing what is required to be analyzed and summarized for this feature class, additional information may be added as needed. Create a new row for each outfall. *Any data acquired for the MS4 Infrastructure Map may be used in the Watershed Inventory Report.*

Local Outfall ID	Receiving Surface Water Body	Water Quality Classification
01	*Mantua Creek*	*FW2-NT/SE2*
02	*Still Run*	*FW2-NT*
03	*Toms River*	*PL-TM*

Figure(s) #: Permittee Owned/Operated Stormwater Outfalls

Using NJ-WET, create and include here a PDF map of permittee owned/operated outfalls, receiving surface waterbodies, and surface water quality classifications. This may require more than one PDF map to properly capture the details of the required features for this section.

***Electronic data required for submission**: None required for this section.*

Stormwater Interconnection(s)

Interconnections between MS4s should have been acquired as part of the MS4 Infrastructure Map requirements, this section will go beyond those requirements to include any entities that interconnect with the permittee' MS4 system, including private systems. This section should detail the following information for all interconnections into and from the permittee's MS4:

Interconnections from the permittee's MS4 into another entity

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected*
- *Indicate the number of interconnections from the permittee's MS4 into another entity's stormwater, sanitary, or combined sewer collection system*
- *Identify all other systems (MS4s, sanitary sewers, combined sewers) receiving stormwater flow from the permittee's MS4 – private, other MS4 permittees, municipalities, State, or Federal*
- *Identify nature of the interconnection – direct piped connection, overland flow,*

Interconnection(s) into the permittee's MS4 from another entity (for Tier A permittees only)

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected*
- *Indicate the number of interconnections from other entities into the permittee*
- *Identify the other systems (MS4s, sanitary sewers, combined sewers) discharging into the permittee's MS4– private, other MS4 permittees, municipalities, State, or Federal*

Figure(s) #: Interconnections into and from the Permittee's MS4

Include a PDF map of interconnections into and from the permittee including roadways. This may require more than one PDF map to properly capture the details of the required features for this section.

Electronic data required for submission: Interconnections

Data for interconnections between two MS4's should be submitted as required in the MS4 Infrastructure Map. Data for all other interconnections from or into the permittee's MS4 will need to be submitted. This data may be submitted with the MS4 Infrastructure Map if submitted this way and if it includes interconnection points beyond MS4 to MS4. The following is an example attribute table detailing, at a minimum, what data is required to be submitted for this feature class.

Tier A Example Attribute Table

Local ID	Type	Upstream Entity	Downstream Entity
01	*Pipe*	*Permittee's MS4*	*County MS4*
02	*Pipe*	*Private stormwater system*	*Permittee's MS4*
03	*Open Channel*	*Permittee's MS4*	*State MS4*
04	*Pipe*	*Municipality (name) Combined sewer system*	*Permittee's MS4*

Public Complex Example Attribute Table

Local ID	Type	Upstream Entity	Downstream Entity
01	*Pipe*	*Public Complex*	*County*
02	*Pipe*	*Public Complex*	*State*
03	*Open Channel*	*Public Complex*	*Municipality*

Drainage Area(s) for Stormwater Outfalls and Stormwater Interconnections

This section should detail the following information for outfalls owned/operated by the permittee and interconnection(s) from the permittee's MS4 into another entity's system:

Storm Drain Inlets

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected*
- *Identify the number of inlets*
- ***No electronic data submission required for storm drain inlets***

MS4 Outfall Drainage Areas

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected*

Drainage area of interconnection(s) from the permittee to another entity

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected*

Figure(s) #: Outfall Drainage Area(s)

Include a PDF map of drainage areas for stormwater outfalls including inlet and outfall locations. This may require more than one PDF map to properly capture the details of the required features for this section. An overview PDF map of the permittee's jurisdiction may be substituted here if accompanied by a link to the permittee's dedicated stormwater webpage where the digital map may be viewed.

Figure(s) #: Interconnection Drainage Area(s)

Include PDF map of drainage areas for interconnections from the permittee to another entity including interconnections points and inlets. This may require more than one PDF map to properly capture the details of the required features for this section. An overview PDF map of the permittee's jurisdiction may be substituted here if accompanied by a link to the permittee's dedicated stormwater webpage where the digital map may be viewed.

Electronic data required for submission: Stormwater Outfall and Interconnection Drainage Area(s)

*The following is an example attribute table detailing, at a minimum, what data is required to be submitted for this feature class***.**

Drainage Area ID	Drainage Area (sq miles/sqft/acres)	Interconnection or Outfall	Primary Contributing Drainage Area Type
01	*0.2565*	*MS4 Outfall 001*	*Commercial*
02	*5.2556*	*Interconnection to County MS4*	*Industrial*
03	*95.5356*	*MS4 Outfall 002*	*Park or Open Space*
04	*0.5655*	*Interconnection to neighboring municipality's combined sewer system*	*Residential*
05	*84.5256*	*MS4 Outfall 003*	*Mixed Use*

TMDLs and Water Quality Impairments

This section should detail the following information for each TMDL and water quality impairment that lies within or bordering the permittee's jurisdiction:

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected and the source if taken from publicly available data*
- *Identify each HUC 14 that lies within or bordering the permittee's jurisdiction*
- *Identify each TMDL for each HUC 14*
- *Identify each water quality impairment for each HUC 14*
- *Using the Pollutants of Concern document, summarize the environmental impacts of each parameter identified for each TMDL and impairment all each subwatershed*

Table(s) #: TMDLs and Impairments for Subwatersheds within or bordering (PERMITTEE NAME)

Include a table identifying the TMDL and impairment parameters for each HUC 14 that lies within or bordering the permittee's jurisdiction

The following is an example table detailing what is required to be analyzed and summarized for this feature class, additional information may be added as needed. Listed below are all the potential TMDL and impairment parameters related to stormwater that may affect subwatersheds within the permittee's jurisdiction. Create a new row for each subwatershed.

HUC 14	Subwatershed Name	TMDL(s)	Impairment(s)
00000000000014	*Storm Creek (KHK Tributary – NJ River)*	*Streamsheds* *PCBs* *Total Phosphorus* *Total Suspended Solids (TSS)* *VOCs*	*Benzo(a) pyrene (PAHs)* *Cadmium* *Chromium* *Copper*
00000000000015	*Rain River*	*Streamsheds Pre-2008* *Fecal Coliform* *Nickel* *Temperature* *Total Phosphorus*	*Dissolved Oxygen (DO)* *Enterococcus* *E. Coli* *Lead*
00000000000016	*N Trib to Rain River*	*Lakesheds* *Fecal Coliform* *Total Phosphorus*	*Nitrate* *PCBs in Fish Tissue* *pH* *Total Phosphorus*
00000000000017	*West Creek*	*Shellfish* *Total Coliform*	*Temperature* *Total Dissolved Solids (TDS)* *Total Suspended Solids (TSS)* *Turbidity*

Figure(s) #: TMDLs by Parameter for (*PERMITTEE NAME*)

Using NJ-WET, create and include here a PDF map of all HUC 14s and corresponding TMDLs within or bordering the permittee. This may require more than one PDF map to properly capture the details of the required features for this section.

***Electronic data required for submission**: None required for this section.*

Overburdened Communities (*for Tier A permittees only)*

This section should detail the following information for overburdened communities within the permittee's jurisdiction:

- *Using the Department's EJMAP or NJ-WET, indicate the date the data was collected*
- *Identify subwatersheds within the permittee's jurisdiction that overburdened communities are present in*
- *Summarize the importance of clean surface water in overburdened communities*

Figure(s) #: Overburdened Communities within (*PERMITEE NAME*)

Using NJ-WET, create and include here a PDF map depicting overburdened communities within the municipality. This may require more than one PDF map to properly capture the details of the required features for this section.

***Electronic data required for submission**: None required for this section.*

Impervious Area

This section should detail the following information for impervious area(s) within the permittee's jurisdiction:

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected and the source if taken from publicly available data*
- *Identify the percent impervious cover in each subwatershed within the permittee's jurisdiction*
- *Summarize the impervious cover effects on ecosystems and stream health*

Figure(s) #: Impervious Area within (*PERMITTEE NAME*)

Using NJ-WET, create and include here a PDF map depicting the permittee's impervious areas, including HUC 14 boundaries within the permittee's jurisdiction. This may require more than one PDF map to properly capture the details of the required features for this section.

***Electronic data required for submission**: None required for this section.*

Non-Municipally Owned or Operated Stormwater Facilities (*for Tier A permittees only*)

This section will require Tier A permittees to detail the information below for non-municipally owned or operated structural stormwater management measures as follows:

- *Bioretention Systems (large-scale)*
- *Blue Roofs*
- *Cisterns*
- *Dry Wells*
- *Extended Detention Basins*
- *Grass Swales*
- *Green Roofs*
- *Infiltration Basins (large-scale)*
- *Manufactured Treatment Devices (MTDs)*
- *Pervious Paving Systems*
- *Sand Filters (large-scale)*
- *Small-scale Bioretention Systems*
- *Small-scale Infiltration Basins*
- *Small-scale Sand Filters*
- *Standard Constructed Wetlands*
- *Stormwater Outfalls*
- *Subsurface Gravel Wetlands*
- *Vegetative Filter Strips*
- *Wet Ponds*

**Permittees may exclude acquiring information for the following non-municipally owned or operated stormwater infrastructure: storm drain inlets, catch basins, and conveyance.*

This section should detail the following information for stormwater infrastructure not owned/operated by the permittee:

- *Summarize the methodology used to collect the data, including the date(s) for when data was collected and the source if taken from publicly available data*
- *List the subwatersheds that have non-municipally owned or operated stormwater infrastructure*
- *Summarize the type, quantity, block and lot, and owner of the infrastructure (outfall, stormwater management measure, etc.) within each subwatershed*

Figure(s) #: Non-municipally Owned/Operated Stormwater Infrastructure in (*PERMITTEE NAME*)

Include a PDF map of all privately owned infrastructure within the permittee's jurisdiction. This may require more than one PDF map to properly capture the details of the required features for this section.

Electronic data required for submission: Non-municipally Owned/Operated Stormwater Infrastructure

*The following is an example attribute table detailing, at a minimum, what data is required to be submitted for this feature class***.**

Local ID	Type	Owner
01	*Grass swale*	*Quick Check*
02	*Infiltration basin*	*Pond Creek HOA*
03	*Outfall*	*Pond Creek HOA*

Conclusion

This section should detail the data acquired and summarize the environmental impacts the permittee is facing. Example below:

The Watershed Inventory Report, Phase 1 of the Watershed Improvement Plan, identifies stormwater infrastructure, as required in the MS4 permits. It also summarizes water quality data, including stream classifications, TMDLs, and water quality impairments. The data that accompanies this inventory report has been compiled as an electronic map and submitted to the NJDEP through NJDEP Online via the Document Submittal Service. The information from this inventory report will be used to make informed decisions during the creation of the Watershed Assessment Report, Phase 2 of the Watershed Improvement Plan. The work done in Phase 2 will identify areas of potential concern and where potential water quality improvement projects may be implemented to address the highlighted water quality and quantity issues identified in this inventory report.

References

List all references used to produce this report and/or acquire data. Examples below:

Data Sources

2020 Census of Population and Housing. Retrieved on Month Day, Year from U.S. Department of Commerce, U.S. Census Bureau website: https://data.census.gov/.

New Jersey 2022 Integrated Water Quality Report, including the 303(d) Impaired Waters List. Retrieved on Month Day, Year from New Jersey Department of Environmental Protection, Bureau of Bureau of Environmental Analysis, Restoration and Standards website: https://dep.nj.gov/wms/bears/integrated-wq-assessment-report-2022/.

New Jersey Watershed Evaluation Tool (NJ-WET). Retrieved on Month Day, Year from Division of Watershed and Land Management, Bureau of NJPDES Stormwater Permitting & Water Quality Management website: https://dep.nj.gov/njpdes-stormwater/municipal-stormwater-regulation-program/watershed-improvement-plan-guidance/.

NJDEP Open Data. Retrieved on Month Day, Year from Division of Information Technology, NJDEP Bureau of GIS website: https://gisdata-njdep.opendata.arcgis.com/.

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