

# **WATERSHED INVENTORY REPORT**

## **WATERSHED IMPROVEMENT PLAN – PHASE 1 MUNICIPAL TIER A AND PUBLIC COMPLEX PERMITTEES**

**TOWNSHIP OF BURLINGTON, COUNTY OF BURLINGTON, STATE OF NEW JERSEY**

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## 1.0 ACRONYMS & DEFINITIONS

### 1.1 Acronyms

"BMP" – Best Management Practice

"DO" – Dissolved Oxygen

"EPA" – U.S. Environmental Protection Agency

"GIS" – Geographic Information System

"HUC 14" – Hydrologic Unit Code 14

"MS4" – Municipal Separate Storm Sewer System

"MTD" – Manufactured Treatment Device

"NJPDES" – New Jersey Pollutant Discharge Elimination System

"NJ-WET" – New Jersey Watershed Evaluation Tool

"TDS" – Total Dissolved Solids

"TMDL" – Total Maximum Daily Load

"TSS" – Total Suspended Solids

"WIP" – Watershed Improvement Plan

### 1.2 Definitions

"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)

"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.

"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.

"Storm drain inlet" means the point of entry into the storm sewer system.

"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.

"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.

"Stormwater management basin" means a stormwater management basin as defined in N.J.A.C. 7:8.

"Stormwater management measure" means a stormwater management measure as defined in N.J.A.C. 7:8.

"Stormwater runoff" means water flow on the surface of the ground or in storm sewers, resulting from precipitation.

"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.

"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).

## 2.0 DATA REQUIREMENTS &amp; RESOURCES

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
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
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 gray 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.

## 2.1 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>

## 2.2 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/>

## 2.3 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/njpdес-stormwater/municipal-stormwater-regulationprogram/watershed-improvement-plan-guidance/>

## 2.4 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/njpdес-stormwater/municipal-stormwater-regulation-program/tmdl/>

## 2.5 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/>

## 2.6 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>

## 2.7 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/>

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**5.0 ACKNOWLEDGEMENTS**

The Township of Burlington's Watershed Inventory Report has been prepared by Suburban Consulting Engineers. No additional outside funding sources were utilized for the preparation of this report.

**6.0 REGIONAL COLLABORATION**

The Township of Burlington did not collaborate with any other entities during the preparation of this report.

## 7.0 INTRODUCTION

### 7.1 Location

Tier A Municipality: Township of Burlington, County of Burlington,  
851 Old York Road,  
Burlington, NJ 08016

Publix Complex Permittees: Burlington City; Willingtonboro;;  
Springfield, Florence; Edgewater  
Park; and Westhampton

### 7.2 Population

- 23,981 – taken from the 2023 United States Census

### 7.3 Demographics

- **Sex**
  - 47.2% Male (11,315 of 23,981),
  - 52.8% Female (12,666 of 23,981)
- **Race**
  - 43.3% Caucasian (10,373 of 23,981),
  - 35.4% African American (8,482 of 23,981)
  - 9.5% Asian (2,284 of 23,981),
  - 6.3% Hispanic (1,518 of 23,981),
  - 5.4% Two or More Race (1,288 of 23,981),
  - 0.2% Other (36 of 23,981)

*Reference: 2023 United States Census*

### 7.4 Land Use Types

- Agricultural, Barren Lands, Forest, Urban, Water and Wetlands

*Reference: Most recent Land Use data hosted by NJDEP via NJDEP Open Data*

### 7.5 Subwatersheds within or bordering (Township of Burlington)

- HUC14: 02040201110010, LDRV tribs (Beverly to Assiscunk Ck)
- HUC14: 02040201090040, LDRV tribs (Bustleton Creek area)
- HUC14: 02040201100060, Assiscunk Ck (below Neck Rd)
- HUC14: 02040201100050, Assiscunk Ck (Neck Rd to Jacksonville Rd)
- HUC14: 02040202080030, Mill Creek (Willingboro)

### 7.6 Areas Prone To Flooding

- FEMA FIRM FLOOD MAP PANEL 34005C0128F EFFECTIVE DATE 12/21/2017 DEPICTS AREAS PRONE TO FLOODING;
- FEMA FIRM FLOOD MAP PANEL 34005C0109F EFFECTIVE DATE 12/21/2017 DEPICTS AREAS PRONE TO FLOODING;
- FEMA FIRM FLOOD MAP PANEL 34005C0129F EFFECTIVE DATE 12/21/2017 DEPICTS AREAS PRONE TO FLOODING;
- FEMA FIRM FLOOD MAP PANEL 34005C0127F EFFECTIVE DATE 12/21/2017 DEPICTS AREAS PRONE TO FLOODING;
- FEMA FIRM FLOOD MAP PANEL 34005C0135F EFFECTIVE DATE 12/21/2017 DEPICTS AREAS PRONE TO FLOODING;

### 7.7 Goal of the Watershed Improvement Plan

The goal for the Watershed Improvement Plan is to confirm MS4 compliance for the Township of Burlington and to identify all infrastructure components including but not limited to: Catch Basins, Manholes, Outfalls, Interconnections, Pump Stations, and Stormwater Facilities.

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

### 8.0 PUBLIC PARTICIPATION

The Township of Burlington did not collaborate with any other entities during the preparation of this report.

**9.0 STORMWATER OUTFALLS**

**9.1 Stormwater Outfalls Owned/Operated by Permittee**

The data utilized in determining outfalls was existing, mapped data obtained from the Township, existing stormwater infrastructure mapping, and supplemental information obtained from existing State and County roadway information.

There are a total of 96 outfalls that have been identified by NJDEP in which the Township of Burlington claims ownership.

**Table 9.1: Number Of Outfalls That Discharge Into Each Sub Watershed**

HUC 14	Subwatershed Name	Number of Outfalls
02040201110010	LDRV Tributaries (Beverly to Assiscunk Ck)	45
02040201090040	LDRV Tributaries (Bustleton Creek area)	4
02040201100060	Assiscunk CK (below Neck Rd)	23
02040201100050	Assiscunk Ck (Neck Rd to Jacksonville Rd)	8
02040202080030	Mill Creek (Willingboro)	14
HUC 14	Watershed Name	Number of Outfalls
-	Delaware River	2

**9.2 Receiving Surface Waters**

The receiving surface water data was obtained using the New Jersey Watershed Evaluation Tool (NJWET), dated May 15, 2025.

**Table 9.2: Percentage Of Outfalls That Discharge Into Each Receiving Surface Water**

Receiving Surface Water Within Township	Percentage of Outfalls Per Receiving Surface
Delaware River	2%
Assiscunk Creek and Tributaries	31%
Sylvan Lake	4%
Mill Creek and Tributaries	15%
Tanners Run Tributaries	28%
Uncoded Tributaries	20%

### 9.3 Water Quality Classifications

One hundred (100) percent of the Burlington Outfalls discharge into FW2-NT (Freshwater except Pinelands waters, non-trout). The water quality classifications were obtained using the New Jersey Watershed Evaluation Tool (NJWET). Data was collected on May 15, 2025.

**Table 9.3: Receiving Surface Water Bodies & Water Quality Classifications**

Number	Local Outfall ID	Receiving Surface Water Body	Water Quality Classification
1	OF-162	Assiscunk Creek	FW2-NT
2	OF-235	Assiscunk Creek	FW2-NT
3	OF-309	Assiscunk Creek	FW2-NT
4	OF-343	Assiscunk Creek	FW2-NT
5	OF-344	Assiscunk Creek	FW2-NT
6	OF-346	Assiscunk Creek	FW2-NT
7	OF-347	Assiscunk Creek	FW2-NT
8	OF-348	Assiscunk Creek	FW2-NT
9	OF-132	Assiscunk Creek UNT	FW2-NT
10	OF-133	Assiscunk Creek UNT	FW2-NT
11	OF-159	Assiscunk Creek UNT	FW2-NT
12	OF-160	Assiscunk Creek UNT	FW2-NT
13	OF-164	Assiscunk Creek UNT	FW2-NT
14	OF-166	Assiscunk Creek UNT	FW2-NT
15	OF-174	Assiscunk Creek UNT	FW2-NT
16	OF-175	Assiscunk Creek UNT	FW2-NT
17	OF-186	Assiscunk Creek UNT	FW2-NT
18	OF-189	Assiscunk Creek UNT	FW2-NT
19	OF-190	Assiscunk Creek UNT	FW2-NT
20	OF-203	Assiscunk Creek UNT	FW2-NT
21	OF-204	Assiscunk Creek UNT	FW2-NT
22	OF-225	Assiscunk Creek UNT	FW2-NT
23	OF-246	Assiscunk Creek UNT	FW2-NT
24	OF-247	Assiscunk Creek UNT	FW2-NT
25	OF-252	Assiscunk Creek UNT	FW2-NT
26	OF-253	Assiscunk Creek UNT	FW2-NT
27	OF-254	Assiscunk Creek UNT	FW2-NT
28	OF-284	Assiscunk Creek UNT	FW2-NT
29	OF-285	Assiscunk Creek UNT	FW2-NT
30	OF-293	Assiscunk Creek UNT	FW2-NT
31	OF-13	Delaware River	FW2-NT
32	OF-230	Delaware River	FW2-NT
33	OF-64	Mill Creek UNT	FW2-NT
34	OF-144	Mill Creek UNT	FW2-NT

35	OF-145	Mill Creek UNT	FW2-NT
36	OF-146	Mill Creek UNT	FW2-NT
37	OF-147	Mill Creek UNT	FW2-NT
38	OF-148	Mill Creek UNT	FW2-NT
39	OF-149	Mill Creek UNT	FW2-NT
40	OF-150	Mill Creek UNT	FW2-NT
41	OF-151	Mill Creek UNT	FW2-NT
42	OF-240	Mill Creek UNT	FW2-NT
43	OF-303	Mill Creek UNT	FW2-NT
44	OF-304	Mill Creek UNT	FW2-NT
45	OF-305	Mill Creek UNT	FW2-NT
46	OF-306	Mill Creek UNT	FW2-NT
47	OF-82	Sylvan Lake	FW2-NT
48	OF-179	Sylvan Lake	FW2-NT
49	OF-313	Sylvan Lake	FW2-NT
50	OF-314	Sylvan Lake	FW2-NT
51	OF-30	Tanners Run	FW2-NT
52	OF-238	Tanners Run	FW2-NT
53	OF-41	Tanners Run UNT	FW2-NT
54	OF-54	Tanners Run UNT	FW2-NT
55	OF-55	Tanners Run UNT	FW2-NT
56	OF-63	Tanners Run UNT	FW2-NT
57	OF-139	Tanners Run UNT	FW2-NT
58	OF-140	Tanners Run UNT	FW2-NT
59	OF-161	Tanners Run UNT	FW2-NT
60	OF-200	Tanners Run UNT	FW2-NT
61	OF-248	Tanners Run UNT	FW2-NT
62	OF-249	Tanners Run UNT	FW2-NT
63	OF-262	Tanners Run UNT	FW2-NT
64	OF-265	Tanners Run UNT	FW2-NT
65	OF-275	Tanners Run UNT	FW2-NT
66	OF-276	Tanners Run UNT	FW2-NT
67	OF-278	Tanners Run UNT	FW2-NT
68	OF-279	Tanners Run UNT	FW2-NT
69	OF-280	Tanners Run UNT	FW2-NT
70	OF-281	Tanners Run UNT	FW2-NT
71	OF-282	Tanners Run UNT	FW2-NT
72	OF-286	Tanners Run UNT	FW2-NT
73	OF-287	Tanners Run UNT	FW2-NT
74	OF-288	Tanners Run UNT	FW2-NT
75	OF-290	Tanners Run UNT	FW2-NT
76	OF-291	Tanners Run UNT	FW2-NT

77	OF-307	Tanners Run UNT	FW2-NT
78	OF-60	Uncoded Tributary	FW2-NT
79	OF-66	Uncoded Tributary	FW2-NT
80	OF-68	Uncoded Tributary	FW2-NT
81	OF-81	Uncoded Tributary	FW2-NT
82	OF-156	Uncoded Tributary	FW2-NT
83	OF-168	Uncoded Tributary	FW2-NT
84	OF-177	Uncoded Tributary	FW2-NT
85	OF-178	Uncoded Tributary	FW2-NT
86	OF-180	Uncoded Tributary	FW2-NT
87	OF-195	Uncoded Tributary	FW2-NT
88	OF-215	Uncoded Tributary	FW2-NT
89	OF-266	Uncoded Tributary	FW2-NT
90	OF-296	Uncoded Tributary	FW2-NT
91	OF-300	Uncoded Tributary	FW2-NT
92	OF-301	Uncoded Tributary	FW2-NT
93	OF-302	Uncoded Tributary	FW2-NT
94	OF-311	Uncoded Tributary	FW2-NT
95	OF-312	Uncoded Tributary	FW2-NT
96	OF-315	Uncoded Tributary	FW2-NT

- See Appendix A for Township of Burlington MS4 Outfalls Map.
- See Appendix B for Receiving Waterbodies of Outfalls.
- See Appendix C for Water Quality Classification of All Receiving Waterbody Segments

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

## 10.0 STORMWATER INTERCONNECTIONS

### 10.1 Interconnections from the permittee's MS4 into another Entity

SCE utilized existing, mapped data obtained from the Township, existing stormwater infrastructure mapping, and supplemental information obtained from existing State and County roadway information in determining interconnections from Burlington into another entity's system.

There are 20 total interconnections from the Township of Burlington's MS4 into another entity's stormwater, sanitary, or combined sewer collection system. There are no interconnections from the Township of Burlington's MS4 into another entities sanitary or combined sewer collection system.

**Table 10.1: Entities Receiving Stormwater Flow From The Township Of Burlington's MS4**

Number	Interconnection ID	Upstream Entity	Downstream Entity	Interconnection Type
1	IC-2	Burlington	Burlington County	Pipe
2	IC-3	Burlington	Burlington County	Pipe
3	IC-7	Burlington	Burlington County	Pipe
4	IC-8	Burlington	Burlington County	Pipe
5	IC-10	Burlington	NJDOT	Pipe
6	IC-11	Burlington	Burlington County	Pipe
7	IC-12	Burlington	Burlington County	Pipe
8	IC-20	Burlington	Burlington County	Pipe
9	IC-24	Burlington	Burlington County	Pipe
10	IC-27	Burlington	Burlington County	Pipe
11	IC-32	Burlington	Burlington County	Pipe
12	IC-33	Burlington	Burlington County	Pipe
13	IC-34	Burlington	Burlington County	Pipe
14	IC-35	Burlington	Burlington County	Pipe
15	IC-38	Burlington	Private	Pipe
16	IC-53	Burlington	Burlington County	Pipe
17	IC-54	Burlington	Burlington County	Pipe
18	IC-55	Burlington	Burlington County	Pipe
19	IC-56	Burlington	Burlington County	Pipe
20	IC-57	Burlington	Burlington County	Pipe
21	IC-60	Burlington	Burlington County	Pipe
22	IC-62	Burlington	Burlington County	Pipe
23	IC-65	Burlington	Burlington County	Pipe

## 10.2 Interconnection(s) into the permittee's MS4 from another entity

SCE utilized existing, mapped data obtained from the Township, existing stormwater infrastructure mapping, and supplemental information obtained from existing State and County roadway information in determining interconnections from other entities into Burlington's system.

There are 22 total interconnections from other entity's discharging into the Township of Burlington's MS4 stormwater collection system.

**Table 10.2: Entities Discharging Into The Township of Burlington's MS4**

Number	Interconnection ID	Upstream Entity	Downstream Entity	Interconnection Type
1	IC-4	Essex County	Burlington	Pipe
2	IC-5	Essex County	Burlington	Pipe
3	IC-6	Essex County	Burlington	Pipe
4	IC-13	Essex County	Burlington	Pipe
5	IC-14	Essex County	Burlington	Pipe
6	IC-17	Essex County	Burlington	Pipe
7	IC-18	Essex County	Burlington	Open Channel
8	IC-19	Essex County	Burlington	Pipe
9	IC-21	Essex County	Burlington	Pipe
10	IC-22	Essex County	Burlington	Pipe
11	IC-23	Essex County	Burlington	Pipe
12	IC-25	Essex County	Burlington	Pipe
13	IC-26	Essex County	Burlington	Pipe
14	IC-28	Essex County	Burlington	Pipe
15	IC-36	Essex County	Burlington	Pipe
16	IC-40	NJDOT	Burlington	Pipe
17	IC-42	NJDOT	Burlington	Pipe
18	IC-44	Private	Burlington	Pipe
19	IC-58	Essex County	Burlington	Pipe
20	IC-59	Essex County	Burlington	Pipe
21	IC-63	Essex County	Burlington	Pipe
22	IC-64	Essex County	Burlington	Pipe

- See Appendix D for Entities Receiving Stormwater Flow From The Township Of Burlington's MS4
- See Appendix E for Entities Discharging Into The Township Of Burlington's MS4

Electronic data required for submission: Interconnections

## 11.0 DRAINAGE AREAS FOR STORMWATER OUTFALLS AND 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:*

### 11.1 Storm Drain Inlets

The stormwater drain inlets were mapped utilizing existing GIS data and confirmed via field inspection by SCE between April 2025 and November 2025.

- There are a total of 2,310 inlets within Burlington
- There were 156 Type A inlets collected resulting in 7 percent of storm inlets
- There were 1,835 Type B inlets collected resulting in 79 percent of storm inlets
- There were 224 Type E inlets collected resulting in 10 percent of storm inlets
- There were 95 Other inlets collected resulting in 4 percent of storm inlets

### 11.2 MS4 Outfall Drainage Areas

The MS4 Outfalls Drainage Areas that are owned or operated by Township of Burlington were manually delineated in AutoCAD utilizing LIDAR contours obtained from USGS.

### 11.3 Drainage Area Of Interconnections From The Permittee To Another Entity

The Drainage Areas of interconnections from Burlington's MS4 System into another entity's system were manually delineated in AutoCAD utilizing LIDAR contours obtained from USGS.

**Table 11.1: Outfall Drainage Areas**

Number	Local Outfall ID	Drainage Area (acres)	Outfall	Primary Contributing Drainage Area Type
1	OF-013	52.029	MS4 Outfall	Residential
2	OF-030	42.918	MS4 Outfall	Residential
3	OF-041	19.149	MS4 Outfall	Industrial
4	OF-054	4.559	MS4 Outfall	Residential
5	OF-055	6.768	MS4 Outfall	Residential
6	OF-060	12.676	MS4 Outfall	Residential
7	OF-063	11.272	MS4 Outfall	Residential
8	OF-064	173.936	MS4 Outfall	Residential
9	OF-066	19.270	MS4 Outfall	Residential
10	OF-068	34.657	MS4 Outfall	Residential
11	OF-081	4.460	MS4 Outfall	Residential
12	OF-082	44.625	MS4 Outfall	Residential
13	OF-132	6.625	MS4 Outfall	Residential
14	OF-133	1.803	MS4 Outfall	Residential
15	OF-139	26.061	MS4 Outfall	Residential
16	OF-140	5.763	MS4 Outfall	Residential
17	OF-144	26.053	MS4 Outfall	Industrial
18	OF-145	25.302	MS4 Outfall	Industrial
19	OF-146	11.307	MS4 Outfall	Industrial
20	OF-147	14.137	MS4 Outfall	Industrial
21	OF-148	28.643	MS4 Outfall	Industrial
22	OF-149	18.818	MS4 Outfall	Industrial
23	OF-150	5.884	MS4 Outfall	Industrial
24	OF-151	0.729	MS4 Outfall	Industrial
25	OF-156	58.674	MS4 Outfall	Residential
26	OF-159	13.900	MS4 Outfall	Residential
27	OF-160	15.192	MS4 Outfall	Residential
28	OF-161	7.045	MS4 Outfall	Residential
29	OF-162	54.622	MS4 Outfall	Residential
30	OF-164	8.258	MS4 Outfall	Residential
31	OF-166	11.177	MS4 Outfall	Residential
32	OF-168	7.840	MS4 Outfall	Residential
33	OF-174	27.244	MS4 Outfall	Residential
34	OF-175	5.570	MS4 Outfall	Parks and Open Space
35	OF-177	2.337	MS4 Outfall	Residential
36	OF-178	28.410	MS4 Outfall	Residential
37	OF-179	2.769	MS4 Outfall	Parks and Open Space

38	OF-180	7.585	MS4 Outfall	Residential
39	OF-186	20.100	MS4 Outfall	Residential
40	OF-189	10.430	MS4 Outfall	Parks and Open Space
41	OF-190	30.277	MS4 Outfall	Residential
42	OF-195	55.008	MS4 Outfall	Residential
43	OF-200	10.023	MS4 Outfall	Residential
44	OF-203 and OF-204	53.471	MS4 Outfall	Residential
45	OF-215	8.690	MS4 Outfall	Residential
46	OF-225	42.887	MS4 Outfall	Residential
47	OF-230	5.110	MS4 Outfall	Residential
48	OF-235	59.666	MS4 Outfall	Residential
49	OF-238	105.542	MS4 Outfall	Residential
50	OF-240	1.683	MS4 Outfall	Industrial
51	OF-246	44.109	MS4 Outfall	Residential
52	OF-247	24.259	MS4 Outfall	Parks and Open Space
53	OF-248	0.416	MS4 Outfall	Residential
54	OF-249	0.571	MS4 Outfall	Residential
55	OF-252	3.885	MS4 Outfall	Residential
56	OF-253	2.252	MS4 Outfall	Residential
57	OF-254	12.682	MS4 Outfall	Residential
58	OF-262	7.433	MS4 Outfall	Residential
59	OF-265	12.900	MS4 Outfall	Residential
60	OF-266	34.824	MS4 Outfall	Residential
61	OF-275	24.067	MS4 Outfall	Residential
62	OF-276	6.486	MS4 Outfall	Residential
63	OF-278	10.608	MS4 Outfall	Residential
64	OF-279	7.978	MS4 Outfall	Residential
65	OF-280	4.418	MS4 Outfall	Residential
66	OF-281	0.182	MS4 Outfall	Residential
67	OF-282	26.442	MS4 Outfall	Residential
68	OF-284	3.924	MS4 Outfall	Residential
69	OF-285	32.893	MS4 Outfall	Institutional
70	OF-286	6.116	MS4 Outfall	Residential
71	OF-287	0.859	MS4 Outfall	Residential
72	OF-288	6.551	MS4 Outfall	Residential
73	OF-290	3.829	MS4 Outfall	Residential
74	OF-291	4.198	MS4 Outfall	Parks and Open Space
75	OF-293	31.235	MS4 Outfall	Residential
76	OF-296	32.128	MS4 Outfall	Residential
77	OF-300	9.347	MS4 Outfall	Residential

78	OF-301 and OF-302	42.931	MS4 Outfall	Residential
79	OF-303	10.388	MS4 Outfall	Residential
80	OF-304	33.654	MS4 Outfall	Residential
81	OF-305	0.338	MS4 Outfall	Industrial
82	OF-306	0.389	MS4 Outfall	Industrial
83	OF-307	13.363	MS4 Outfall	Residential
84	OF-309	105.540	MS4 Outfall	Residential
85	OF-311	2.764	MS4 Outfall	Residential
86	OF-312	2.450	MS4 Outfall	Residential
87	OF-313	3.273	MS4 Outfall	Residential
88	OF-314	6.115	MS4 Outfall	Residential
89	OF-315	5.188	MS4 Outfall	Residential
90	OF-343	16.811	MS4 Outfall	Residential
91	OF-344	19.289	MS4 Outfall	Residential
92	OF-346	21.648	MS4 Outfall	Residential
93	OF-347	3.112	MS4 Outfall	Residential
94	OF-348	0.947	MS4 Outfall	Residential

**Table 11.2: Drainage Areas For Interconnections Receiving Stormwater Flow From The Township Of Burlington's MS4**

Number	Drainage Area ID	Drainage Area (acres)	Interconnection	Downstream Entity	Primary Contributing Drainage Area Type
1	2	4.983	MS4 IC-2	Burlington County	Residential
2	3	3.965	MS4 IC-3	Burlington County	Residential
3	7	3.725	MS4 IC-7	Burlington County	Residential
4	8	1.802	MS4 IC-8	Burlington County	Residential
5	10	12.535	MS4 IC-10	NJDOT	Commercial
6	11	9.747	MS4 IC-11	Burlington County	Residential
7	12	4.494	MS4 IC-12	Burlington County	Residential
8	20	5.635	MS4 IC-20	Burlington County	Residential
9	24	2.293	MS4 IC-24	Burlington County	Residential
10	27	7.670	MS4 IC-27	Burlington County	Residential
11	32	13.513	MS4 IC-32	Burlington County	Commercial
12	33	2.804	MS4 IC-33	Burlington County	Commercial
13	34	2.984	MS4 IC-34	Burlington County	Residential
14	35	67.951	MS4 IC-35	Burlington County	Residential
15	38	28.102	MS4 IC-38	Private	Residential
16	53	13.591	MS4 IC-53	Burlington County	Residential
17	54	11.460	MS4 IC-54	Burlington County	Residential
18	55	9.789	MS4 IC-55	Burlington County	Commercial
19	56	43.542	MS4 IC-56	Burlington County	Residential
20	57	16.348	MS4 IC-57	Burlington County	Residential
21	60	3.152	MS4 IC-60	Burlington County	Residential
22	62	33.747	MS4 IC-62	Burlington County	Residential
23	65	6.805	MS4 IC-65	Burlington County	Residential

- See Appendix F for Storm Drain Inlets Owned/Operated by Permittee.
- See Appendix G for Township of Burlington's Outfall Drainage Area Map.
- See Appendix H for Interconnection Drainage Area Map for Entities Receiving Stormwater Flow From The Township Of Burlington's MS4.
- Electronic data required for submission: Stormwater Outfall and Interconnection Drainage Area(s)

## 12.0 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:*

The TMDLs and Water Quality Impairment data was obtained using the New Jersey Watershed Evaluation Tool (NJWET), dated October 1, 2025.

The HUC 14s that lie within or bordering the Township of Burlington's jurisdiction include:

- **HUC14 02040202080030 - Mill Creek (Willingboro)**
  - TMDL: Streamsheds
    - o Volatile Organic Compounds (VOCs)
    - o Polychlorinated Biphenyls (PCBs)
  - Water Quality Impairments
    - o Escherichia Coli (E. Coli)
    - o PCBs in Fish Tissue
    - o Total Phosphorous
- **HUC14 02040201110010 - LDVR tribs (Beverly to Assiscunk Ck)**
  - TMDL: Streamsheds
    - o Volatile Organic Compounds (VOCs)
    - o Polychlorinated Biphenyls (PCBs)
  - TMDL: Lakeshed – Sylvan Lake
    - o Fecal Coliform
  - TMDL: Lakeshed – Lower Sylvan Lake
    - o Total Phosphorous
  - Water Quality Impairments
    - o PCBS In Fish Tissue
- **HUC14 02040201100060 - Assiscunk Ck (below Neck Rd)**
  - TMDL: Streamsheds
    - o Volatile Organic Compounds (VOCs)
    - o Polychlorinated Biphenyls (PCBs)
  - Water Quality Impairments
    - o PCBs in Fish Tissue
    - o Escherichia Coli (E. Coli)
- **HUC14 02040201090040 - LDVR tribs (Bustleton Creek Area)**
  - TMDL: Streamsheds
    - o Volatile Organic Compounds (VOCs)
    - o Polychlorinated Biphenyls (PCBs)
  - Water Quality Impairments

- o PCB's In Fish Tissue
- **HUC14 02040201100050 - Assiscunk Ck (Neck Rd to Jacksonville Rd)**
  - TMDL: Streamsheds
    - o Volatile Organic Compounds (VOCs)
    - o Polychlorinated Biphenyls (PCBs)
  - Water Quality Impairments:
    - o Escherichia Coli (E. Coli)
    - o PCBs in Fish Tissue
    - o Total Phosphorous
  - Using the Pollutants of Concern document, summarize the environmental impacts of each parameter identified for each TMDL and impairment all each sub watershed
    - o *Environmental Impacts of Each Parameter*
      - Polychlorinated Biphenyls (PCBs)
        - PCBs can accumulate in the leaves and above-ground parts of plants and food crops. They are also taken up into the bodies of small organisms and fish. As a result, people who ingest fish may be exposed to PCBs that have bioaccumulated in the fish they are ingesting. Their oily nature allows them to accumulate in fatty animal tissues and bioaccumulate up the global food chain where they contribute to organ damage and carcinogenesis in higher-tiered species. PCBs are easily carried away as TSS by stormwater runoff from products containing the compounds which are exposed to stormwater and known and unknown contaminated areas. PCBs have a moderate level of volatility, which means that their vapors are also readily carried aloft by the wind. They are then deposited on exposed surfaces via air deposition.
        - MS4 permit conditions that regulate this parameter:
          - o Improper Disposal of Waste Ordinance
          - o Yard Waste Ordinance
          - o Roadside Vegetative Waste Management
          - o Inspection and Maintenance of Stormwater Facilities
          - o BMPs at Municipal Maintenance Yards
          - o Illicit Discharge Detection and Elimination Program
      - Volatile Organic Compound (VOCs)
        - While many VOCs can cause adverse effects on aquatic life, there are also several adverse human health risks associated with encountering VOCs, including worsening asthma symptoms, cancer, liver and kidney damage, and central nervous system damage. Stormwater can come in contact with VOCs from vehicle surfaces, roads, parking lots, driveways, and litter or other wastes. Once these improperly disposed materials containing VOCs encounter stormwater runoff they are discharged to the surface and ground waters of the state which are in turn used for drinking water supplies and the protection and propagation of aquatic life. Surface water quality criteria serve to protect water quality for designated uses such as supporting the survival, growth, and reproduction of aquatic life, protecting the quality of drinking water sources, maintaining good water quality

for primary and secondary contact recreational uses, and keeping fish safe for human consumption.

- MS4 permit conditions that regulate this parameter:
  - o Litter Control Ordinance
  - o Improper Disposal of Waste Ordinance
  - o Street Sweeping Program
  - o Herbicide Application Management
  - o Inspection and Maintenance of Stormwater Facilities
  - o BMPs at Municipal Maintenance Yards
  - o Illicit Discharge Detection and Elimination Program
- Total Phosphorous
  - An excess of phosphorus into a water body can have a detrimental effect on designated uses related to both public health and aquatic health. For instance, too much phosphorus in a surface water can cause increased growth of algae and large aquatic plants (a process called eutrophication) causing significant swings in pH and dissolved oxygen, which can in turn result in the violation of surface water quality criteria for these parameters and adversely affect the aquatic community. Additionally, high levels of phosphorus can also lead to HABs, that produce toxins which can be harmful to human and animal health. The presence of excessive plant biomass can also interfere with other designated uses, such as swimming or boating. When algae are present in large amounts, drinking water purveyors must also increase the use of disinfectants and oxidants to treat the algae, which can lead to an increase in disinfection byproducts such as trihalomethanes, listed as likely carcinogens by EPA.
  - MS4 permit conditions that regulate this parameter:
    - o Pet Waste Ordinance
    - o Wildlife Feeding Ordinance
    - o Litter Control Ordinance
    - o Improper Disposal of Waste Ordinance
    - o Yard Waste Ordinance
    - o Street Sweeping Program
    - o Herbicide Application Management
    - o Roadside Vegetative Waste Management
    - o Roadside Erosion Control
    - o Inspection and Maintenance of Stormwater Facilities
    - o Stream Scouring Program
    - o Illicit Discharge Detection and Elimination Program
- Pathogens (Enterococcus, E. Coli, Fecal Coliform, Total Coliform)
  - While sewage treatment plants contribute a steady input of treated sewage to their receiving waters, stormwater runoff is the primary contributor to pathogen loads in the surface waters of the state. Many of these pathogens affect the

designated uses of the receiving waters and are harmful to human or animal health when ingested causing intestinal disease. Pathogens can attack the immune system and cause infections that may result in abdominal issues, respiratory problems, fever, headache, skin rashes, etc. (Water Quality Topics: Pathogens | US EPA). When receiving surface waters include shellfish harvesting as a designated use, pathogens also pose additional concerns. Proximity to potential sources such as marinas, development served by septic systems and concentrated stormwater outfall locations warrant precautionary closures of shellfish waters on a seasonal or full-time basis. The National Shellfish Sanitation Program has established criteria for pathogens that are used to determine support of the shell fishing use.

- MS4 permit conditions that regulate this parameter:
  - o Pet Waste Ordinance
  - o Wildlife Feeding Ordinance
  - o Litter Control Ordinance
  - o Improper Disposal of Waste Ordinance
  - o Yard Waste Ordinance
  - o Street Sweeping Program
  - o Herbicide Application Management
  - o Roadside Vegetative Waste Management
  - o Roadside Erosion Control
  - o Inspection and Maintenance of Stormwater Facilities
  - o Stream Scouring Program
  - o Illicit Discharge Detection and Elimination Program

**Table 12.1: TMDLs and Impairments for Subwatersheds within or bordering the Township of Burlington**

HUC 14	Subwatershed Name	TMDL(s)	Impairment(s)
02040202080030	Mill Creek (Willingboro)	<u>Streamsheds:</u> Polychlorinated Biphenyls (PCBs) Volatile Organic Compounds (VOCs)	Escherichia Coli (E. Coli)
02040201110010	LDVR trib (Beverly to Assiscunk Ck)	<u>Streamsheds:</u> Polychlorinated Biphenyls (PCBs) Volatile Organic Compounds (VOCs)  <u>Lakesheds – Sylvan Lake</u> Fecal Coliform  <u>Lakesheds – Lower Sylvan Lake</u> Total Phosphorous	PCBs In Fish Tissue
02040201100050	Assiscunk Ck(Neck Rd to Jacksonville rd)	<u>Streamsheds:</u> Polychlorinated Biphenyls (PCBs) Volatile Organic Compounds (VOCs)	Escherichia Coli (E. Coli), PCBs In Fish Tissue
02040201100060	Assiscunk Creek (below Neck Rd)	<u>Streamsheds:</u> Polychlorinated Biphenyls (PCBs) Volatile Organic Compounds (VOCs)	Escherichia Coli (E. Coli), PCBs In Fish Tissue
02040201090040	LDVR tribs (Bustleton Creek area)	<u>Streamsheds:</u> Polychlorinated Biphenyls (PCBs) Volatile Organic Compounds (VOCs)	PCBs In Fish Tissue

Source: NJ-WET October 2, 2025.

- See Appendix I for Township of Burlington TMDLs Map.
- See Appendix J for Township of Burlington Water Quality Impairments Map.

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

### 13.0 OVERBURDENED COMMUNITIES

There are five (5) subwatersheds within the permittee's jurisdiction that have overburdened communities. The Overburdened Communities data was obtained using the New Jersey Watershed Evaluation Tool (NJWET), dated May 12, 2025.

**Table 13.1: Watersheds within Township of Burlington with Overburdened Communities Present**

HUC 14	Subwatershed Name
02040202080030	Mill Creek (Willingboro)
02040201110010	LDVR trib (Beverly to Assiscunk Ck)
02040201100050	Assiscunk Ck (Neck Rd to Jacksonville rd)
02040201100060	Assiscunk Creek (below Neck Rd)
02040201090040	LDVR tribs (Bustleton Creek area)

Clean surface water is crucial in overburdened communities because it leads to better health, nutrition, and mental well-being, and contributes to economic development. Additionally, it lowers the risk of spreading disease through water-borne illnesses. Streams and wetlands also provide benefits from clean surface water by trapping floodwaters, recharging groundwater supplies, filtering pollution, and providing habitat for fish and wildlife.

- **See Appendix K for Township of Burlington Overburdened Communities Map.**

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

## 14.0 IMPERVIOUS AREA

The impervious area data was obtained using the New Jersey Watershed Evaluation Tool (NJWET), dated May 27, 2025.

The percentage of impervious cover in each of Burlington's subwatersheds is listed below:

**Table 14.1: Impervious Cover in Subwatersheds within Burlington**

HUC 14	Subwatershed	Total Area (Acres)	Impervious Area (Acres) [%]	Pervious Area (Acres) [%]
02040202080030	Mill Creek (Willingboro)	1,643.6	380.2 [23.1%]	1,263.4 [76.9%]
02040201110010	LDVR trib (Beverly to Assiscunk Ck)	2,263.5	516.2 [22.8%]	1,747.3 [77.2%]
02040201100050	Assiscunk Ck (Neck Rd to Jacksonville rd)	469.8	182.4 [38.8%]	287.4 [61.2%]
02040201100060	Assiscunk Creek (below Neck Rd)	3,023.4	662.2 [21.9%]	2,361.2 [78.1%]
02040201090040	LDVR tribs (Bustleton Creek area)	1,612.5	687.7 [42.6%]	924.8 [57.4%]
<b>Total Area</b>		<b>9,012.8</b>	<b>2,428.7 [26.9%]</b>	<b>6,584.1 [73.1%]</b>

Impervious cover can have many impacts on ecosystems and stream health. Impervious surfaces do not absorb any water which causes significant runoff in certain areas. This runoff can collect pollutants and toxins as it makes its way into a nearby water source. This can lead to certain species of bugs and fish leaving the area if developed too quickly especially if they are sensitive to water quality changes and/or flow regime. In result, the ecosystem can become unbalanced due to a lack of biodiversity and can negatively impact the surrounding ecosystem.

- **See Appendix L for Township of Burlington Impervious Surfaces Map.**

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

**15.0 NON-MUNICIPALLY OWNED OR OPERATED STORMWATER FACILITIES**

*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.*

The information below was obtained through review of The New Jersey Hydrologic Modeling Database.

**Table 15.1: Non-Municipally Owned or Operated Stormwater Facilities**

Local ID	Type	Owner	Block	Lot	Subwatershed
F-1	Detention	Burlington BOE	142	44	Assiscunk Ck (Neck Rd to Jacksonville rd)
F-2	Detention	Burlington Township Maintenance	134	3.01	Assiscunk Creek (below Neck Rd)
F-3	Detention	Commerce Dr Spec	120.01	5.28	Mill Creek (Willingboro)
F-4	Detention	Commerce Dr Spec	120.01	5.28	Mill Creek (Willingboro)
F-5	Retention \ Wet Pond	Narragansett	154.02	9	LDVR tribs (Bustleton Creek area)
F-6	Retention \ Wet Pond	Narragansett	154.02	9	LDVR tribs (Bustleton Creek area)
F-7	Detention	Trentacoste Brothers	120	5.14	Mill Creek (Willingboro)
F-8	Detention	200 Connecticut Dr	120.01	5.24	Mill Creek (Willingboro)
F-9	Detention	Liberty Square	119	1.01	Assiscunk Creek (below Neck Rd)
F-10	Detention	Burlington High School	134	3.01	Assiscunk Creek (below Neck Rd)
F-11	Detention	Burlington High School	134	3.01	Assiscunk Creek (below Neck Rd)
F-12	Infiltration \ Detention	Network Trailer Leasing	152	1	LDVR tribs (Bustleton Creek area)
F-13	Detention	Balford Farms	121	1	Mill Creek (Willingboro)
F-14	Detention	Fellowship Center	133	2.03	Assiscunk Creek (below Neck Rd)
F-15	Detention	Masonic Homes	133	1.01	Assiscunk Creek (below Neck Rd)
F-16	Detention	Burlington Heights	109.22	9	Mill Creek (Willingboro)
F-17	Detention	Burlington Heights	109.22	9	Mill Creek (Willingboro)
F-18	Detention	Burlington Heights	109.22	9	Mill Creek (Willingboro)
F-19	Detention	Alloway	95	5A	LDVR trib (Beverly to Assiscunk Ck)
F-20	Detention	Stonebridge	101.4	26	LDVR trib (Beverly to Assiscunk Ck)
F-21	Retention \ Wet Pond	Stellas Market	145.01	15	LDVR tribs (Bustleton Creek area)
F-22	Retention \ Wet Pond	American Asphalt	153.02	1	LDVR tribs (Bustleton Creek area)
F-23	Retention \ Wet Pond	American Asphalt	153.02	1	LDVR tribs (Bustleton Creek area)
F-24	Detention	Sears Warehouse Alteration	120.01	5.24	Mill Creek (Willingboro)

F-25	Detention	Murray Family Orthodontics	111	13	LDVR trib (Beverly to Assiscunk Ck)
F-26	Detention	Richards Run	153	1	LDVR tribs (Bustleton Creek area)
F-27	Infiltration	Burlington Coat Factory	147	7	LDVR tribs (Bustleton Creek area)
F-28	Infiltration	Burlington Coat Factory	147	7	LDVR tribs (Bustleton Creek area)
F-29	Infiltration	Burlington Coat Factory	147	7	LDVR tribs (Bustleton Creek area)
F-30	Infiltration	Park North	144.13	1	Assiscunk Creek (below Neck Rd)
F-31	Infiltration	Park North	144.13	1	Assiscunk Creek (below Neck Rd)
F-32	Detention	Burlington Heights	109.03	1	LDVR trib (Beverly to Assiscunk Ck)
F-33	Detention	Stonebridge Sect 3A	101	4 5.02	LDVR trib (Beverly to Assiscunk Ck)
F-34	Detention	Burlington Heights	109.16	1	LDVR trib (Beverly to Assiscunk Ck)
F-35	Detention	Harrington	120	5	Mill Creek (Willingboro)
F-36	Retention \ Wet Pond	Mend Springside	90	28	LDVR trib (Beverly to Assiscunk Ck)
F-37	Detention	Oxmead Crossing Phase IV	129	2.01	Assiscunk Creek (below Neck Rd)
F-38	Detention	Oxmead Crossing Phase IV	129	2.01	Assiscunk Creek (below Neck Rd)
F-39	Detention	Oxmead Crossing Phase IV	129	2.01	Assiscunk Creek (below Neck Rd)
F-40	Detention	Oxmead Crossing Phase IV	129	2.01	Assiscunk Creek (below Neck Rd)
F-41	Detention	Penske	108	1.03	Mill Creek (Willingboro)
F-42	Infiltration	Lowes	116	1.01 5 5.01 7	Assiscunk Creek (below Neck Rd)
F-43	Infiltration	Lowes	116	1.01 5 5.01 7	Assiscunk Creek (below Neck Rd)
F-44	Detention	Bevan Manufacturing	98.1	1.01	LDVR trib (Beverly to Assiscunk Ck)
F-45	Detention	Wawa	102	1.02	LDVR trib (Beverly to Assiscunk Ck)
F-46	Retention \ Wet Pond	Rimtec	95	9.01 12.03	LDVR trib (Beverly to Assiscunk Ck)
F-47	Detention	R&L Carriers	123	3.04 3.02	Mill Creek (Willingboro)
F-48	Detention	R&L Carriers	123	3.04 3.02	Mill Creek (Willingboro)
F-49	Detention	Burlington Business Center	108	1.05	Mill Creek (Willingboro)
F-50	Retention \ Wet Pond	Burlington Heights	109	5	Mill Creek (Willingboro)
F-51	Detention	Lynnefield	145.32	9 10 11 12	Assiscunk Creek (below Neck Rd)

F-52	Detention	Sterling Estates	104.23	16	LDVR trib (Beverly to Assiscunk Ck)
F-53	Infiltration	US Pipe and Foundry	151	3	LDVR tribs (Bustleton Creek area)
F-54	Detention	The Goddard School	143.11	1.03, 1.04	Assiscunk Creek (below Neck Rd)
F-55	Detention	Site	120.01	5.24	Mill Creek (Willingboro)
F-56	Detention	Occupational Training center	121	1.03	Mill Creek (Willingboro)
F-57	Detention	Steeplechase Phase 10	147	4 5 6 11	LDVR tribs (Bustleton Creek area)
F-58	Retention \ Wet Pond	Site	104.39	1	LDVR trib (Beverly to Assiscunk Ck)
F-59	Detention	Dodge City	98	6	LDVR trib (Beverly to Assiscunk Ck)
F-60	Detention	Larbank Land Development	120	5.15	Mill Creek (Willingboro)
F-61	Detention	Park West	144	2.02	Assiscunk Creek (below Neck Rd)
F-62	Detention	Park West	144	2.02	Assiscunk Creek (below Neck Rd)
F-63	Detention	Beverly Mews	98.18	2	LDVR trib (Beverly to Assiscunk Ck)
F-64	Detention	Beverly Mews	98.18	2	LDVR trib (Beverly to Assiscunk Ck)
F-65	Detention	US Logistics	152	1	LDVR tribs (Bustleton Creek area)
F-66	Detention	Islamic Academy of Burlington Co.	109.31	5.03	LDVR trib (Beverly to Assiscunk Ck)
F-67	Detention	Site	99	2	LDVR trib (Beverly to Assiscunk Ck)
F-68	Detention	Hancock Hollow Phase II	128.01	2	Assiscunk Creek (below Neck Rd)
F-69	Infiltration \ Detention	Royal Oaks	98.05	25	LDVR trib (Beverly to Assiscunk Ck)
F-70	Infiltration \ Detention	Royal Oaks	98.05	25	LDVR trib (Beverly to Assiscunk Ck)
F-71	Detention	Checkers	118.02	6	Assiscunk Creek (below Neck Rd)
F-72	Detention	Adams Woods	0	101	LDVR trib (Beverly to Assiscunk Ck)
F-73	Detention	Olde Mill Run	104	13	LDVR trib (Beverly to Assiscunk Ck)
F-74	Detention	Olde Mill Run	104	13	LDVR trib (Beverly to Assiscunk Ck)
F-75	Detention	122 Kissel Rd	120.01	5.27	Mill Creek (Willingboro)
F-76	Infiltration \ Detention	Country Woods	144	7 7.03 9.02	Assiscunk Creek (below Neck Rd)
F-77	Detention	Bernice Young Addition	142	15	Assiscunk Ck (Neck Rd to Jacksonville rd)

F-78	Retention \ Wet Pond	Northeast Trailer Services	154	5, 7	LDVR tribs (Bustleton Creek area)
F-79	Retention \ Wet Pond	Northeast Trailer Services	154	5, 7	LDVR tribs (Bustleton Creek area)
F-80	Detention	Haitian Baptist Church	115	1.02	Mill Creek (Willingboro)
F-81	Retention \ Wet Pond	Helvoet Pharma	120	5B	Mill Creek (Willingboro)
F-82	Infiltration \ Detention	AAA Cooper Transportation	120.01	1.01	Mill Creek (Willingboro)
F-83	Detention	Wishing Well Plaza	116	2	Assiscunk Creek (below Neck Rd)
F-84	Infiltration \ Detention	5 Points Auto Body	146	3.01	LDVR tribs (Bustleton Creek area)
F-85	Detention	Lutheran Social Ministries	121	1.01	Mill Creek (Willingboro)
F-86	Detention	Burlington Professional Campus	114.02	14.01	LDVR trib (Beverly to Assiscunk Ck)
F-87	Detention	Saddlebrook at Burlington	139.01	4.01	Assiscunk Creek (below Neck Rd)
F-88	Retention \ Wet Pond	Rimtec Corp	95	9.01	LDVR trib (Beverly to Assiscunk Ck)
F-89	Detention	Bernice Young School	142	3.06, 15	Assiscunk Ck (Neck Rd to Jacksonville rd)
F-90	Detention	Sunset Self Storage	102	1.12	LDVR trib (Beverly to Assiscunk Ck)
F-91	Detention	Wesley AME Zion Church	114.01	12	LDVR trib (Beverly to Assiscunk Ck)
F-92	Detention	BJs Wholesale Club	153	1	LDVR tribs (Bustleton Creek area)
F-93	Detention	Bromley	124	2	Assiscunk Creek (below Neck Rd)
F-94	Detention	Bromley	124	2	Assiscunk Creek (below Neck Rd)
F-95	Infiltration \ Detention	Burlington Gardens	100.03	39	LDVR trib (Beverly to Assiscunk Ck)
F-96	Infiltration	Country Woods II	144.19	29	Assiscunk Creek (below Neck Rd)
F-97	Infiltration	Country Woods II	144.19	29	Assiscunk Creek (below Neck Rd)
F-98	Detention	Super G	104.23	9.02	LDVR trib (Beverly to Assiscunk Ck)
F-99	Retention \ Wet Pond	Walmart Expansion	119	1.01 1.02 3 4	Mill Creek (Willingboro)
F-100	Infiltration	Walmart Expansion	119	1.01 1.02 3 4	Mill Creek (Willingboro)
F-101	Detention	Walmart Expansion	119	1.01 1.02 3 4	Mill Creek (Willingboro)
F-102	Retention \ Wet Pond	Burlington Middle School	116	1	Assiscunk Creek (below Neck Rd)
F-103	Retention \ Wet Pond	Burlington Middle School	116	1	Assiscunk Creek (below Neck Rd)

F-104	Detention	299 Neck Rd	152	2	LDVR tribs (Bustleton Creek area)
F-105	Detention	Fawn Hollow Sect 5	136	2	Assiscunk Creek (below Neck Rd)
F-106	Detention	Fawn Hollow Sect 5	136	2	Assiscunk Creek (below Neck Rd)
F-107	Retention \ Wet Pond	Rita's	111	7	LDVR trib (Beverly to Assiscunk Ck)
F-108	Detention	Rita's	111	7	LDVR trib (Beverly to Assiscunk Ck)
F-109	Retention \ Wet Pond	Colgate Palmolive Co	121	1.02	Mill Creek (Willingboro)
F-110	Detention	Branch Bank	105	5b	LDVR trib (Beverly to Assiscunk Ck)
F-111	Detention	Islamic Academy of Burlington County	109.31	5.03	LDVR trib (Beverly to Assiscunk Ck)
F-112	Detention	iStorage L038.1	102	1.06	LDVR trib (Beverly to Assiscunk Ck)
F-113	Retention \ Wet Pond	Matrix Business Park at 6A	150 (twp), 226(city)	1, 1.01, 2, 2.01 (twp), 1 (city)	LDVR tribs (Bustleton Creek area)
F-114	Infiltration	250 Daniels Way	154	12.05	LDVR tribs (Bustleton Creek area)
F-115	Retention \ Wet Pond	Northline 6A	147	1, 1.02, 3.01, 13 (Proposed lots 1.04, 1.05)	LDVR tribs (Bustleton Creek area)
F-116	Infiltration	Northline 6A	147	1, 1.02, 3.01, 13 (Proposed lots 1.04, 1.05)	LDVR tribs (Bustleton Creek area)
F-117	Infiltration	Northline 6A	147	1, 1.02, 3.01, 13 (Proposed lots 1.04, 1.05)	LDVR tribs (Bustleton Creek area)
F-118	Infiltration	Northline 6A	147	1, 1.02, 3.01, 13 (Proposed lots 1.04, 1.05)	LDVR tribs (Bustleton Creek area)
F-119	Detention	15 Campus Drive Warehouse Facility	102	1.09	LDVR trib (Beverly to Assiscunk Ck)
F-120	Retention \ Wet Pond	Balford Farms	121, 123.01	1, 3.01	Mill Creek (Willingboro)
F-121	Detention	Wishing Well Plaza - Phase 2	116	2	Assiscunk Creek (below Neck Rd)
F-122	Detention	Sunset Road Church of Christ	109.31	4, 5.02	LDVR trib (Beverly to Assiscunk Ck)
F-123	Infiltration \ Detention	Lidl Proposed Grocery Store	116	1.01, 5, 5.01, 7	Assiscunk Creek (below Neck Rd)
F-124	Infiltration \ Detention	Lidl Proposed Grocery Store	116	1.01, 5, 5.01, 7	Assiscunk Creek (below Neck Rd)
F-125	Detention	2005 & 2007 Mount Holly Road	118	3, 5, 5.02, 5.03	Assiscunk Creek (below Neck Rd)

F-126	Infiltration \ Detention	Milestone Plaza	116	1.03	Assiscunk Creek (below Neck Rd)
F-127	Infiltration	STAG Industrial	99	2.05	LDVR trib (Beverly to Assiscunk Ck)
F-128	Infiltration	STAG Industrial	99	2.05	LDVR trib (Beverly to Assiscunk Ck)
F-129	Retention \ Wet Pond	Carson Warehouse Burlington	154.05	9	LDVR tribs (Bustleton Creek area)
F-130	Retention \ Wet Pond	Carson Warehouse Burlington	154.05	9	LDVR tribs (Bustleton Creek area)
F-131	Retention \ Wet Pond	Carson Warehouse Burlington	154.05	9	LDVR tribs (Bustleton Creek area)
F-132	Infiltration	Hancock Lane	128.01	2.01, 2.02	Assiscunk Creek (below Neck Rd)
F-133	Detention	Hancock Lane	128.01	2.01, 2.02	Assiscunk Creek (below Neck Rd)
F-134	Infiltration \ Detention	Kings at Burlington - Capital Crossing	105.01	6	Mill Creek (Willingboro)
F-135	Detention	Kings at Burlington - Capital Crossing	105.01	6	Mill Creek (Willingboro)
F-136	Detention	Burlington Center LLC	142.07	4,5,6	Assiscunk Creek (below Neck Rd)
F-137	Retention \ Wet Pond	Peninsula Composting Company LLC	154.02	9	LDVR tribs (Bustleton Creek area)
F-138	Infiltration	Rimtec Corporation	95	12.03	LDVR trib (Beverly to Assiscunk Ck)
F-139	Infiltration	Rimtec Corporation	95	12.03	LDVR trib (Beverly to Assiscunk Ck)
F-140	Infiltration \ Detention	Elbow Lane Property - Blk 123, Lots 3 & 4	123	3,4	Mill Creek (Willingboro)
F-141	Infiltration \ Detention	Elbow Lane Property - Blk 123, Lots 3 & 4	123	3,4	Mill Creek (Willingboro)
F-142	Detention	Islamic Academy of Burlington County	109.31	5.03	LDVR trib (Beverly to Assiscunk Ck)
F-143	Detention	Islamic Academy of Burlington County	109.31	5.03	LDVR trib (Beverly to Assiscunk Ck)
F-144	Infiltration \ Detention	250 Daniels Way	153, 154	1.15, 12.08, 12.09	LDVR tribs (Bustleton Creek area)
F-145	Detention	1804 River Road	154	12, 12.06, 12.07	LDVR tribs (Bustleton Creek area)
F-146	Detention	1804 River Road	154	12, 12.06, 12.07	LDVR tribs (Bustleton Creek area)
F-147	Detention	1804 River Road	154	12, 12.06, 12.07	LDVR tribs (Bustleton Creek area)
F-148	Detention	1804 River Road	154	12, 12.06, 12.07	LDVR tribs (Bustleton Creek area)

F-149	Retention \ Wet Pond	County Bridge #C2.2 Removal & River Road Reconstruction			LDVR tribs (Bustleton Creek area)
F-150	Retention \ Wet Pond	The Crossings	125, 132.02	1, 2, 3, 3.02, 4, 4.01, 4.02, 5, 7, 3, 3.01,8.01	Assiscunk Creek (below Neck Rd)
F-151	Retention \ Wet Pond	The Crossings	125, 132.02	1, 2, 3, 3.02, 4, 4.01, 4.02, 5, 7, 3, 3.01,8.01	Assiscunk Creek (below Neck Rd)
F-152	Retention \ Wet Pond	The Crossings	125, 132.02	1, 2, 3, 3.02, 4, 4.01, 4.02, 5, 7, 3, 3.01,8.01	Assiscunk Creek (below Neck Rd)
F-153	Infiltration	The Crossings	125, 132.02	1, 2, 3, 3.02, 4, 4.01, 4.02, 5, 7, 3, 3.01,8.01	Assiscunk Creek (below Neck Rd)
F-154	Infiltration \ Detention	The Crossings	125, 132.02	1, 2, 3, 3.02, 4, 4.01, 4.02, 5, 7, 3, 3.01,8.01	Assiscunk Creek (below Neck Rd)
F-155	Infiltration	Burlington Equities II Commercial Development	116	1.05, 8	Assiscunk Creek (below Neck Rd)
F-156	Infiltration \ Detention	1900 River Road Site Plan	154	1	LDVR tribs (Bustleton Creek area)
F-157	Detention	1900 River Road Site Plan	154	1	LDVR tribs (Bustleton Creek area)
F-158	Retention \ Wet Pond	Burlington Residential Community	124	4.0, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-159	Retention \ Wet Pond	Burlington Residential Community	124	4.0, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-160	Infiltration	Burlington Residential Community	124	4.0, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-161	Infiltration	Burlington Residential Community	124	4.0, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-162	Infiltration \ Detention	Burlington Residential Community	124	4.0, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-163	Infiltration	Burlington Residential Community	124	4.0, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-164	Infiltration	Burlington Residential Community	124	4.0, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-165	Infiltration \ Detention	Rancocas Pointe	110	1.01	Mill Creek (Willingboro)

F-166	Infiltration \ Detention	Rancocas Pointe	110	1.01	Mill Creek (Willingboro)
F-167	Infiltration \ Detention	Rancocas Pointe	110	1.01	Mill Creek (Willingboro)
F-168	Infiltration	Proposed Quick Serve Restaurant	114	32, 35, 24	LDVR trib (Beverly to Assiscunk Ck)
F-169	Infiltration	Proposed Quick Serve Restaurant	114	32, 35, 24	LDVR trib (Beverly to Assiscunk Ck)
F-170	Infiltration	Proposed Quick Serve Restaurant	114	32, 35, 24	LDVR trib (Beverly to Assiscunk Ck)
F-171	Infiltration	Proposed Quick Serve Restaurant	114	32, 35, 24	LDVR trib (Beverly to Assiscunk Ck)
F-172	Infiltration	The Gateway	123	2, 5	Mill Creek (Willingboro)
F-173	Infiltration	The Gateway	123	2, 5	Mill Creek (Willingboro)
F-174	Infiltration	The Gateway	123	2, 5	Mill Creek (Willingboro)
F-175	Infiltration	The Gateway	123	2, 5	Mill Creek (Willingboro)
F-176	Infiltration	The Gateway	123	2, 5	Mill Creek (Willingboro)
F-177	Infiltration	The Gateway	123	2, 5	Mill Creek (Willingboro)
F-178	Infiltration	The Gateway	123	2, 5	Mill Creek (Willingboro)
F-179	Infiltration	Frito-Lay Parking Expansion	99.01	8	LDVR trib (Beverly to Assiscunk Ck)
F-180	Retention \ Wet Pond	Burlington Residential Community	124	4.01, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-181	Retention \ Wet Pond	Burlington Residential Community	124	4.01, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-182	Infiltration	Burlington Residential Community	124	4.01, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-183	Infiltration	Burlington Residential Community	124	4.01, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-184	Infiltration	Burlington Residential Community	124	4.01, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-185	Infiltration	Burlington Residential Community	124	4.01, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-186	Infiltration	Burlington Residential Community	124	4.01, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-187	Infiltration	Burlington Residential Community	124	4.01, 9, 10, 12	Assiscunk Creek (below Neck Rd)
F-188	Infiltration	Spectrum Way at Burlington	112	1, 1.01, 2, 6	Assiscunk Creek (below Neck Rd)

F-189	Infiltration \ Detention	Spectrum Way at Burlington	112	1, 1.01, 2, 6	Assiscunk Creek (below Neck Rd)
F-190	Infiltration \ Detention	Spectrum Way at Burlington	112	1, 1.01, 2, 6	Assiscunk Creek (below Neck Rd)
F-191	Infiltration \ Detention	Spectrum Way at Burlington	112	1, 1.01, 2, 6	Assiscunk Creek (below Neck Rd)
F-192	Infiltration	Spectrum Way at Burlington	112	1, 1.01, 2, 6	Assiscunk Creek below Neck Rd)
F-193	Infiltration	319 Dulty's Lane	153	1.03, 1.13	LDVR tribs (Bustleton Creek area)
F-194	Infiltration	319 Dulty's Lane	153	1.03, 1.13	LDVR tribs (Bustleton Creek area)
F-195	Infiltration	Frito-Lay Parking Expansion	99.01	8	LDVR trib (Beverly to Assiscunk Ck)
F-196	Infiltration	4460 Route 130	99.01	1	LDVR trib (Beverly to Assiscunk Ck)
F-197	Retention \ Wet Pond	4460 Route 130	99.01	1	LDVR trib (Beverly to Assiscunk Ck)
F-198	Detention	Fueling Station w/ Convenience Store	118.01	7, 7.01	Assiscunk Creek (below Neck Rd)
F-199	Retention \ Wet Pond	Warehouse Addition	144.23	6.06, 6.12, 6.14, 6.17-6.2	Assiscunk Creek (below Neck Rd)
F-200	Infiltration \ Detention	Warehouse Addition	144.23	6.06, 6.12, 6.14, 6.17-6.2	Assiscunk Creek (below Neck Rd)
F-201	Infiltration \ Detention	Warehouse Addition	144.23	6.06, 6.12, 6.14, 6.17-6.2	Assiscunk Creek (below Neck Rd)
F-202	Infiltration	Improvements to Green Acres Park II	144	11	Assiscunk Creek (below Neck Rd)
F-203	Infiltration	Improvements to Green Acres Park II	144	11	Assiscunk Creek (below Neck Rd)
F-204	Infiltration	Proposed Retail/Service Building	146	4.06, 4.07	LDVR tribs (Bustleton Creek area)
F-205	Infiltration	Proposed Retail/Service Building	146	4.06, 4.07	LDVR tribs (Bustleton Creek area)
F-206	Retention \ Wet Pond	Proposed Retail/Service Building	146	4.06, 4.07	LDVR tribs (Bustleton Creek area)
F-207	Detention	Penske Truck Rental - Parking Expansion	108	1.01, 1.03	Mill Creek (Willingboro)
F-208	Retention \ Wet Pond	Penske Truck Rental - Parking Expansion	108	1.01, 1.03	Mill Creek (Willingboro)

- See Appendix M for Non-municipally Owned/Operated Stormwater Infrastructure in the Township of Burlington

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

**16.0 CONCLUSION**

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.

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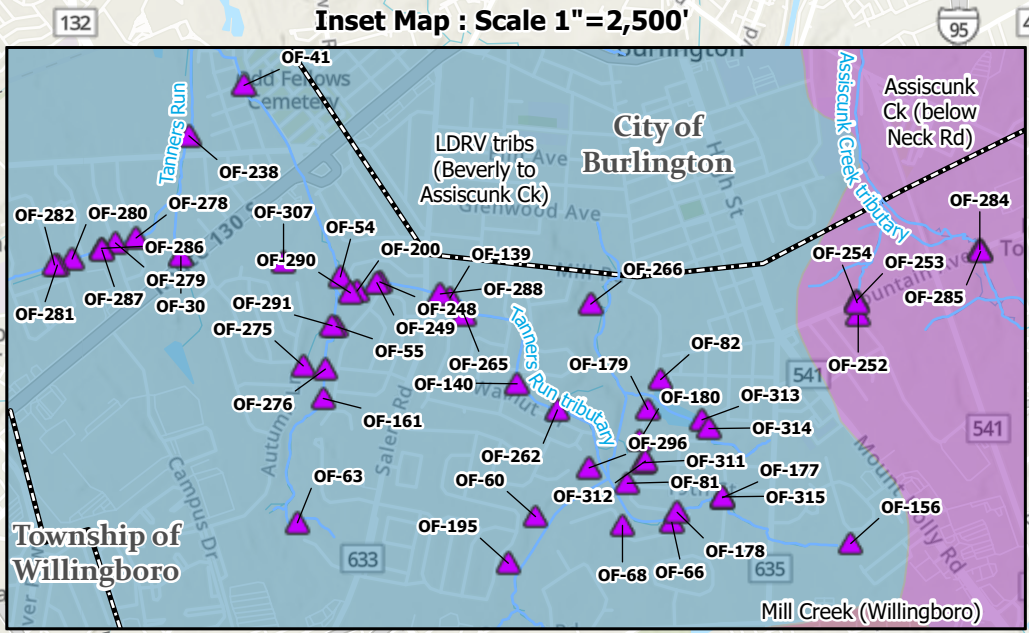
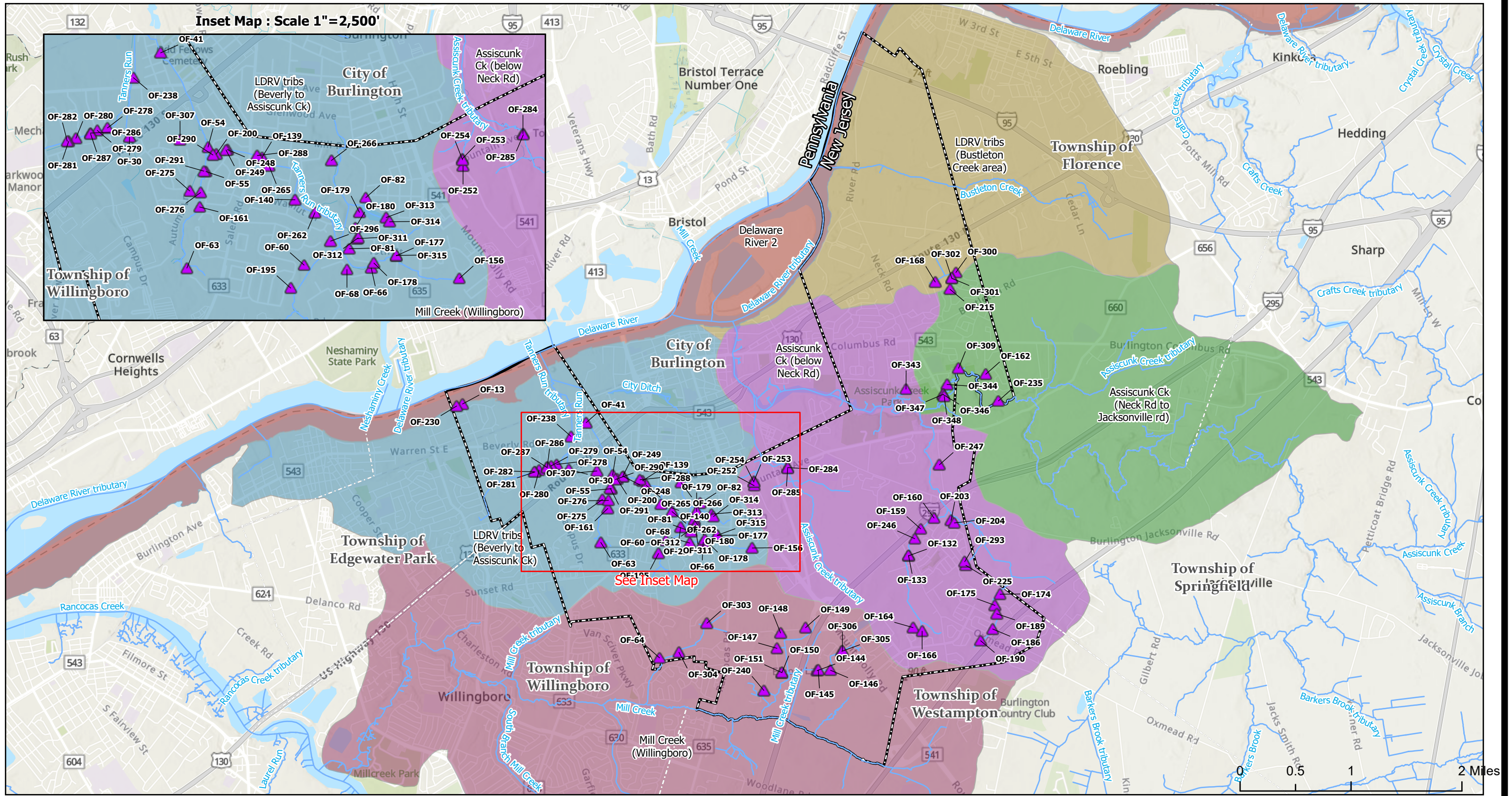
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## **Appendix A**

# STORMWATER OUTFALLS OWNED AND OPERATED BY PERMITTEE



- Pipe Outfall
- Streams
- Burlington Township Boundary
- Assessment Unit Name**
- Assiscunk Ck (Neck Rd to Jacksonville rd)
- Assiscunk Ck (below Neck Rd)
- Delaware River 2
- LDRV tribs (Beverly to Assiscunk Ck)
- LDRV tribs (Bustleton Creek area)
- Mill Creek (Willingboro)



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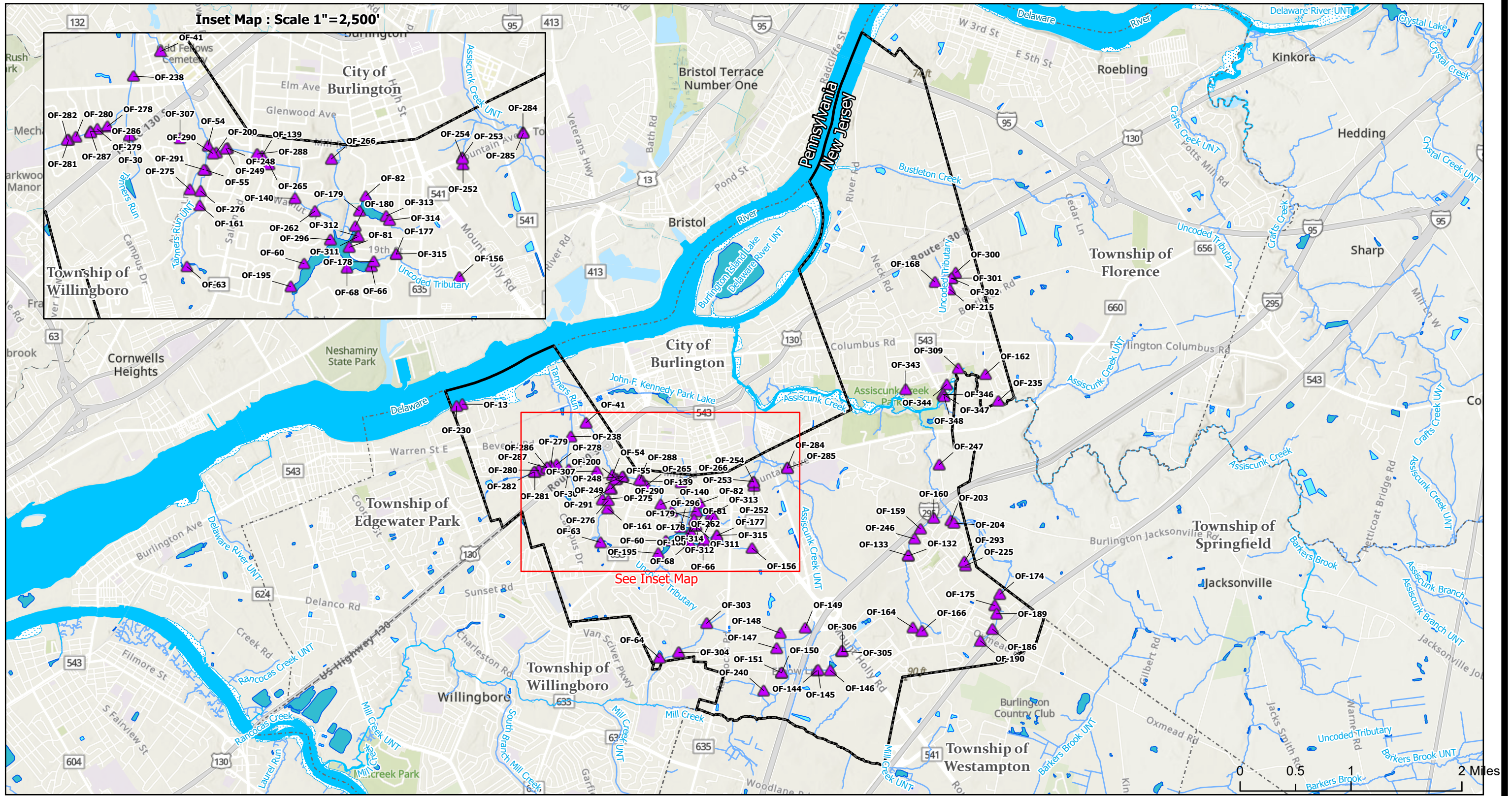
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 21MH00004200  
 - Civil Engineers - Municipal Engineers -  
 - Landscape Architects -  
 - Planners - Environmentalists - Land Surveyors -  
 96 US Highway 206, Suite 101 1350 Campus Parkway, Suite 104 505 Main Street, Suite 314  
 Flemington, NJ 07836 - 973.398.1776 Wall, NJ 07753 - 732.282.1776 Hackensack, NJ 07601 - 201.646.1776  
 EXCELLENCE ♦ ECONOMY ♦ ENVIRONMENT

<b>Burlington Township, New Jersey Watershed Inventory Report</b>			
Stormwater Outfalls Owned/Operated by Permittee			
SCALE: 1" = 4,500'	SHEET ___ of ___	REVISION ___	PROJECT NO. SCE- R14213.021

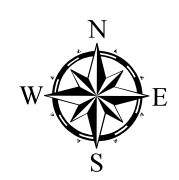
## **Appendix B**

### THE RECEIVING WATERBODIES OF OUTFALLS



**Inset Map : Scale 1"=2,500'**

- Pipe Outfall
- Streams
- Neighboring Municipalities
- Burlington Township Boundary
- Inundation Area
- Lake/Pond
- Reservoir
- Stream/River



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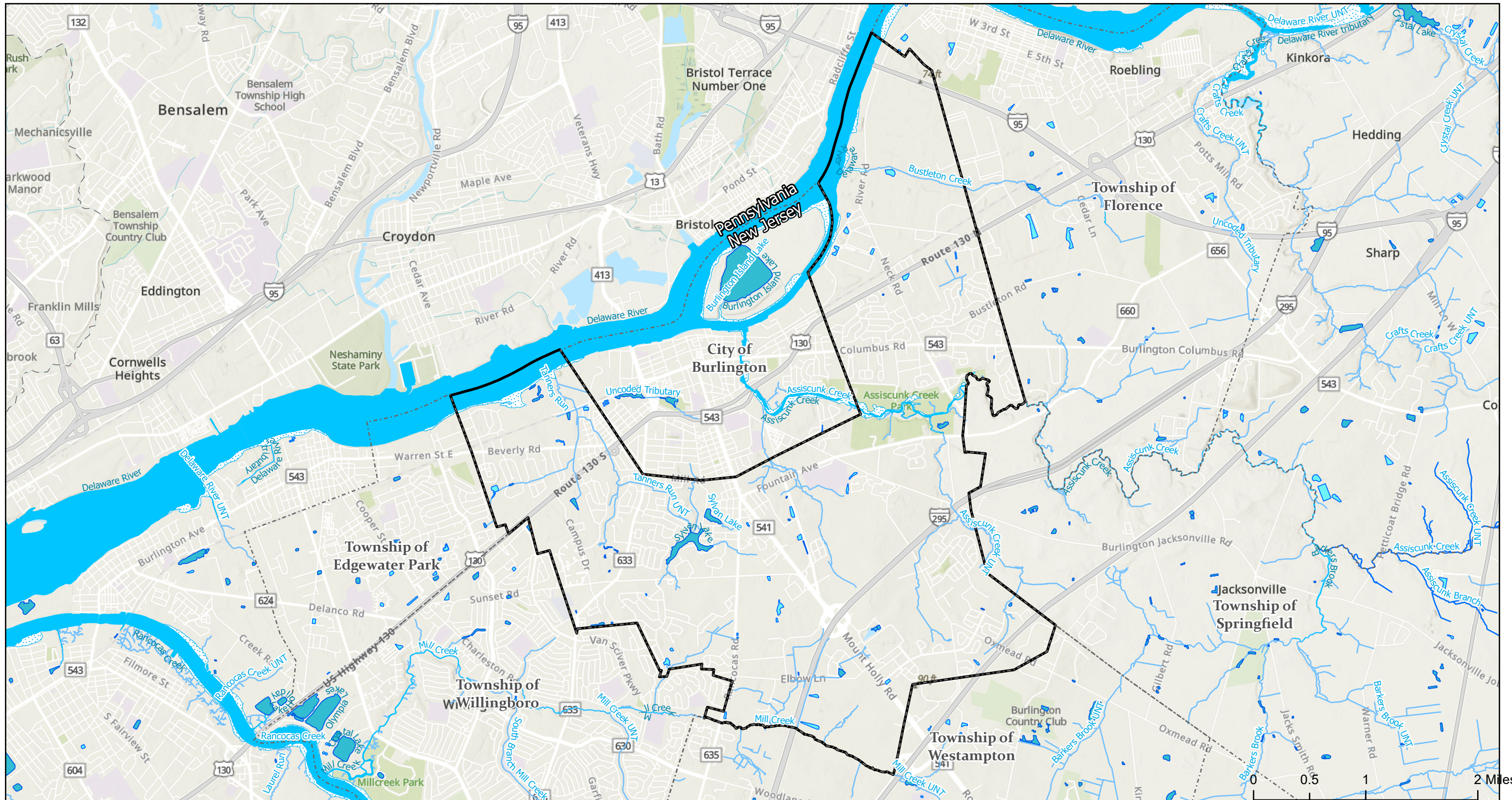
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<b>Burlington Township, New Jersey Watershed Inventory Report</b>			
The Receiving Waterbodies of Outfalls			
<b>SCALE:</b> 1" = 4,500'	<b>SHEET</b> of	<b>REVISION</b> of	<b>PROJECT NO.</b> SCE-R14213.021

## **Appendix C**

### WATER QUALITY CLASSIFICATION OF ALL RECEIVING WATERBODY SEGMENTS



**Surface Water Quality Classifications**

- FW2-NT
- FW2-NTC1

**Waterbody**

- Inundation Area
- Lake/Pond
- Reservoir
- Stream/River

Neighboring Municipalities

Burlington Township Boundary



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**Burlington Township, New Jersey Watershed Inventory Report**

Water Quality Classification of All Receiving Waterbody Segments

**SCALE:** 1" = 4,500'

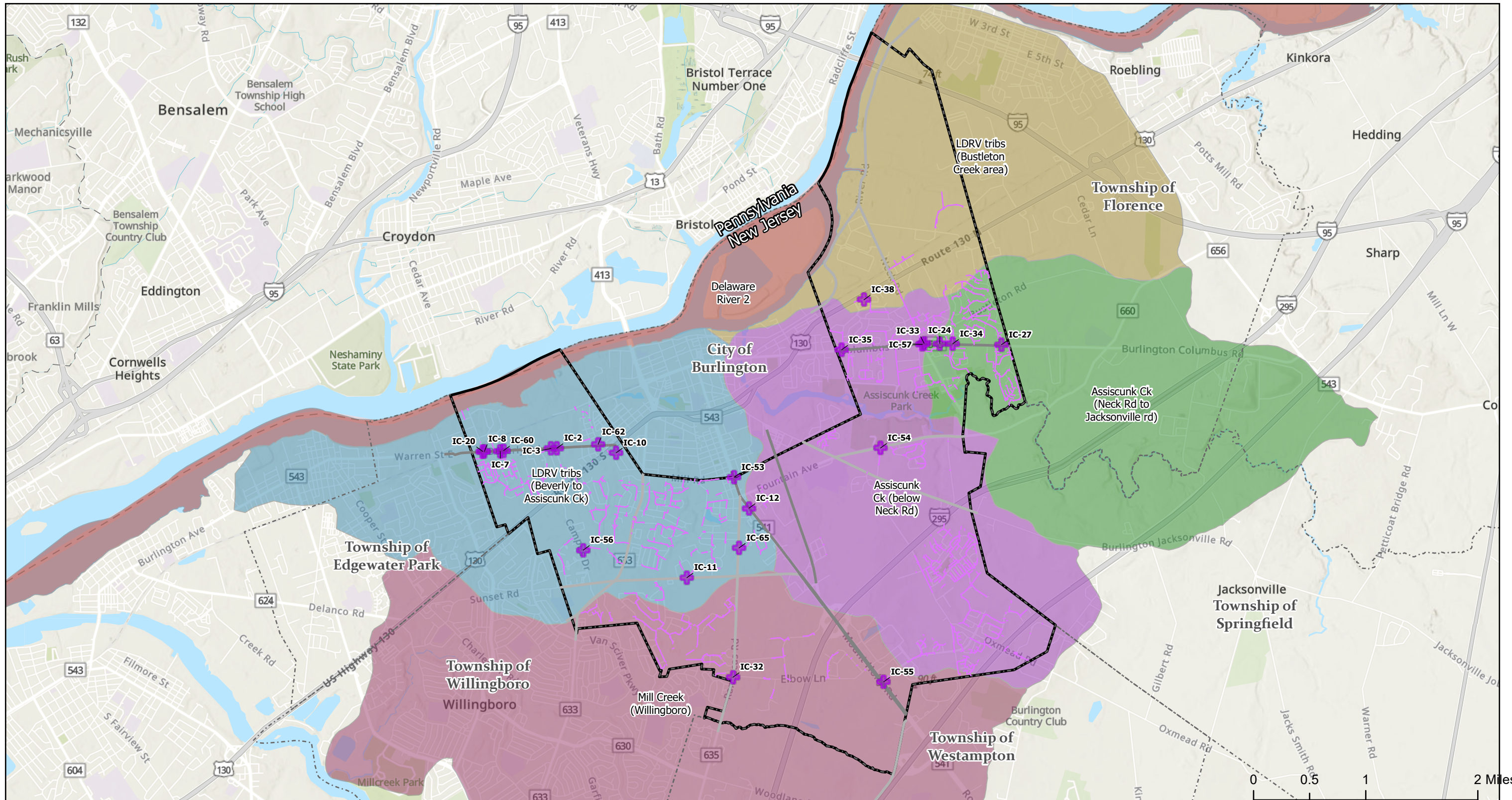
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**REVISION** \_\_\_

**PROJECT NO.** SCE-R14213.021

## **Appendix D**

ALL STORMWATER INTERCONNECTIONS FROM  
MUNICIPALITY TO OTHER ENTITIES OR STORM OR  
SANITARY



- + MS4 Interconnection
- Stormwater Pipe
- State Road
- County Road
- Other County Road
- Neighboring Municipalities
- Burlington Township Boundary
- Assessment Unit Name
- Assiscunk Ck (Neck Rd to Jacksonville rd)
- Assiscunk Ck (below Neck Rd)
- Delaware River 2
- LDRV tribs (Beverly to Assiscunk Ck)
- LDRV tribs (Bustleton Creek area)
- Mill Creek (Willingboro)



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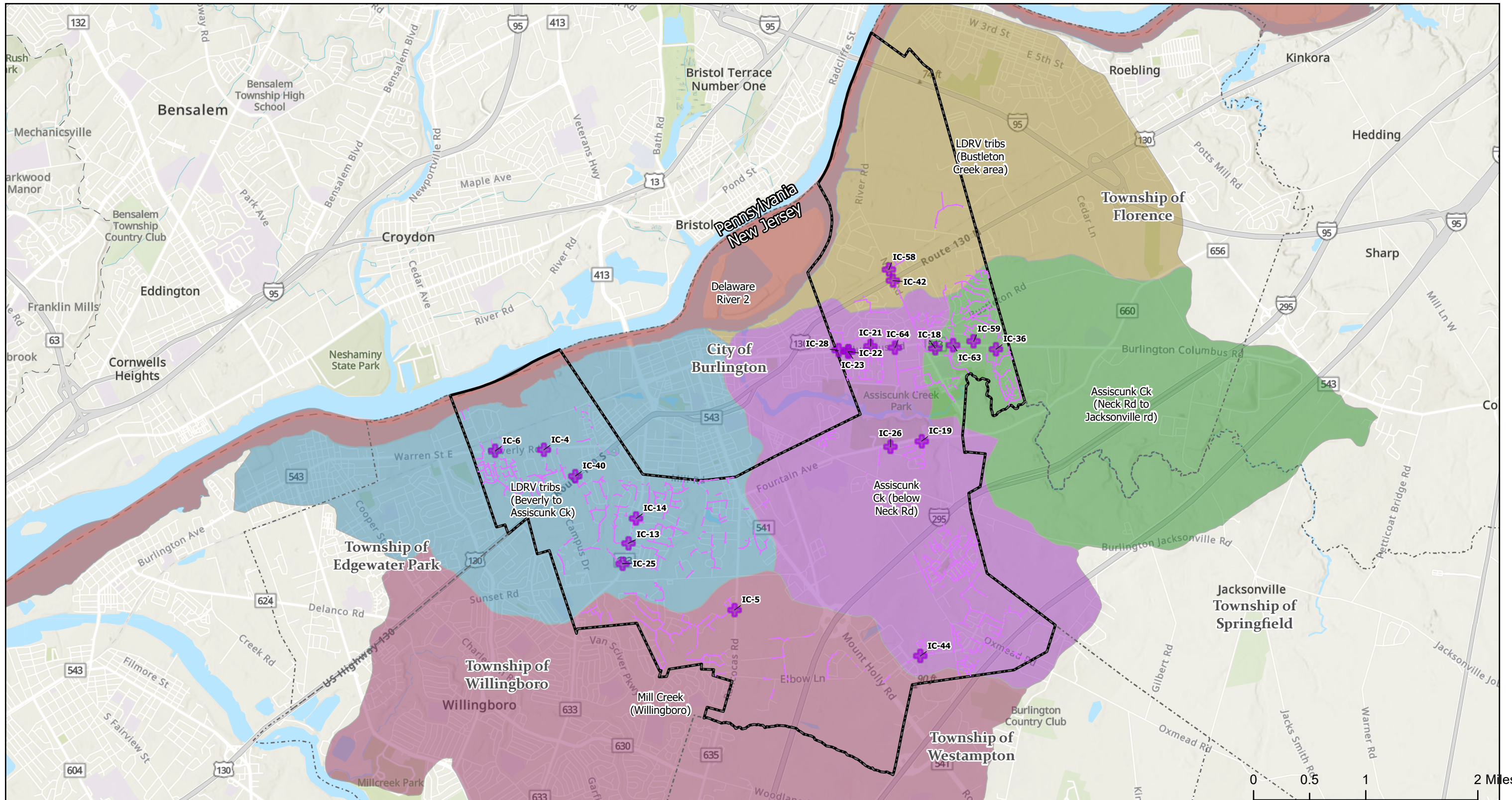
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<b>Burlington Township, New Jersey Watershed Inventory Report</b>			
All Stormwater Interconnections From Municipality to Other Entities' Storm or Sanitary			
SCALE: 1" = 4,500'	SHEET ___ of ___	REVISION ___	PROJECT NO. SCE- R14213.021

## **Appendix E**

STORMWATER CONNECTION POINTS TO  
MUNICIPALITY FROM OTHER ENTITIES STORM SEWER



- + MS4 Interconnection
  - Stormwater Pipe
  - Neighboring Municipalities
  - Burlington Township Boundary
- |   |   |  |
|---|---|--|
| <p>Assessment Unit Name</p> <ul style="list-style-type: none"> <li><span style="background-color: #90EE90; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Assiscunk Ck (Neck Rd to Jacksonville rd)</li> <li><span style="background-color: #800080; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Assiscunk Ck (below Neck Rd)</li> <li><span style="background-color: #8B4513; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Delaware River 2</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> LDRV tribs (Beverly to Assiscunk Ck)</li> <li><span style="background-color: #D2B48C; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> LDRV tribs (Bustleton Creek area)</li> <li><span style="background-color: #A52A2A; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Mill Creek (Willingboro)</li> </ul> |  |
|---|---|--|

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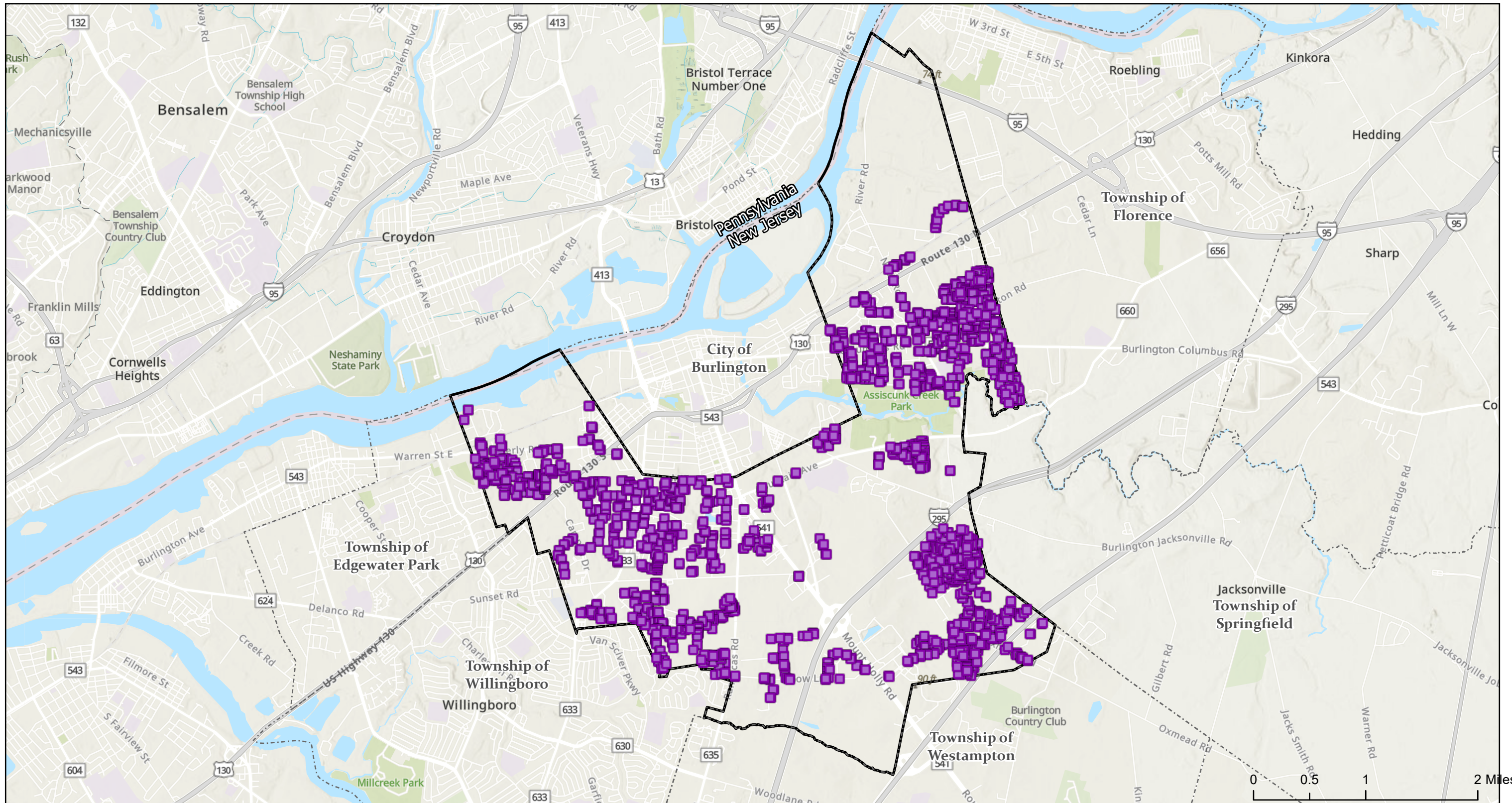
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<b>Burlington Township, New Jersey Watershed Inventory Report</b>			
Stormwater Connection Points to Municipality From Other Entities' Storm Sewer			
SCALE: 1" = 4,500'	SHEET ___ of ___	REVISION ___	PROJECT NO. SCE- R14213.021

## **Appendix F**

### STORM DRAIN INLETS OWNED AND OPERATED BY PERMITTEE



■ Storm Inlet

--- Neighboring Municipalities

▭ Burlington Township Boundary



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**Burlington Township, New Jersey  
 Watershed Inventory Report**

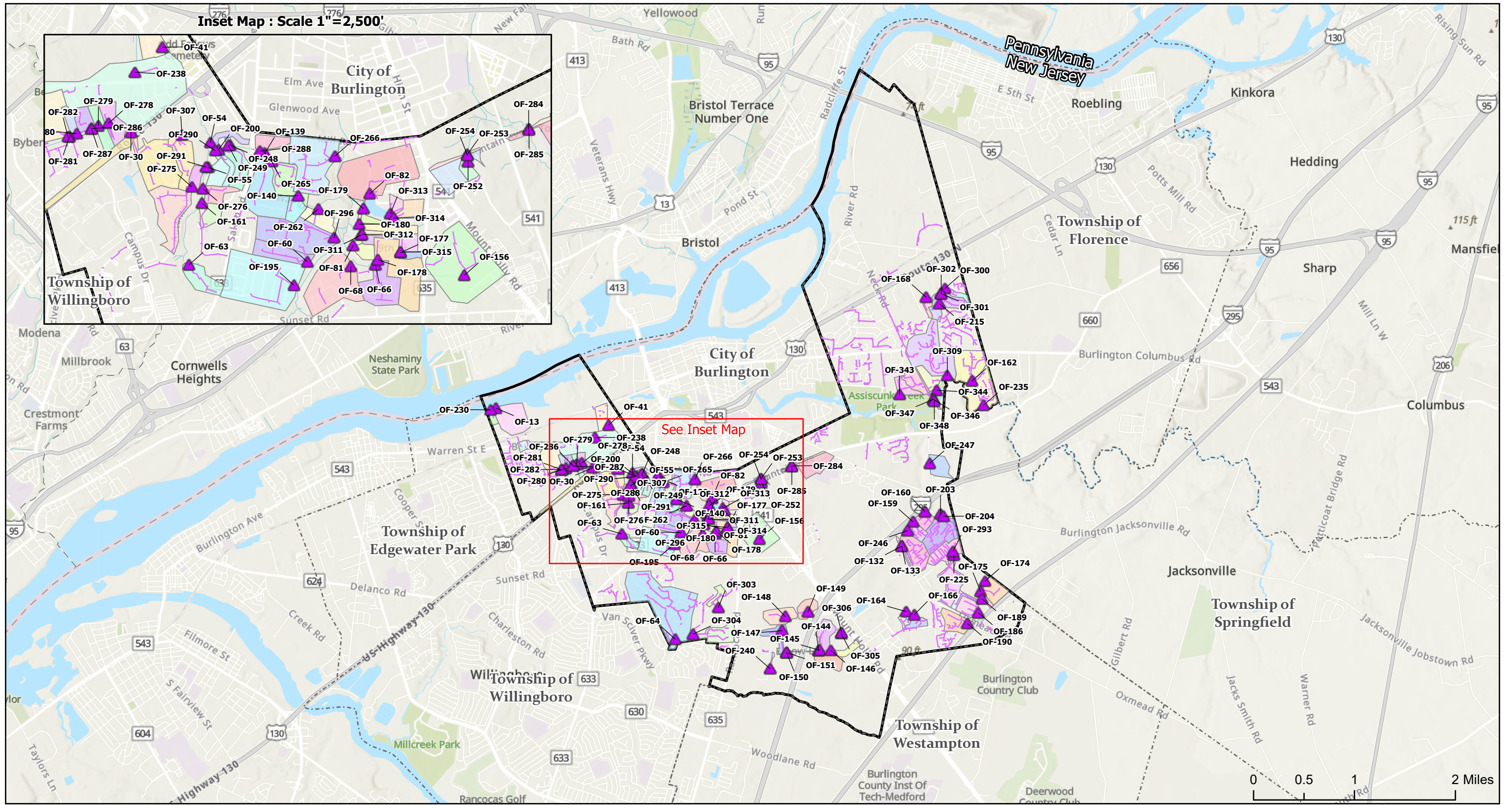
Storm Drain Inlets Owned/Operated by Permittee

SCALE: 1" = 4,500'    SHEET: \_\_\_ of \_\_\_    REVISION: \_\_\_    PROJECT NO.: SCE-R14213.021

2 Miles

## **Appendix G**

### DRAINAGE AREA FOR EACH OUTFALL



- Pipe Outfall
- Stormwater Pipe
- Neighboring Municipalities
- Burlington Township Boundary



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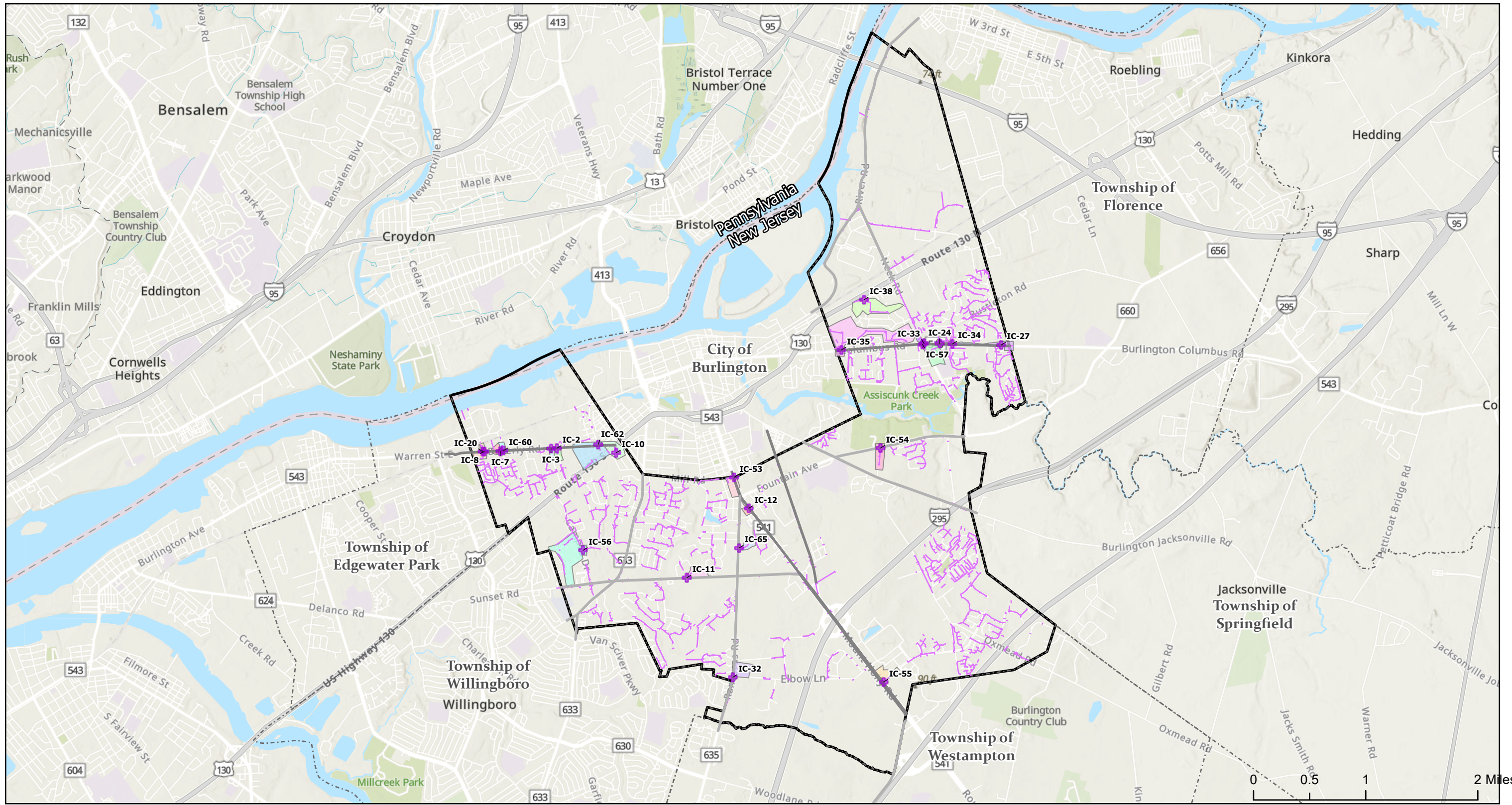
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<b>Burlington Township, New Jersey Watershed Inventory Report</b>			
Drainage Area for Each Outfall(s)			
SCALE: 1" = 5,000'	SHEET ___ of ___	REVISION ___	PROJECT NO. SCE-R14213.021

## **Appendix H**

DRAINAGE AREA FOR EACH INTERCONNECTION  
INTO ANOTHER ENTITIES STORM OR SANITARY



MS4 Interconnection	State Road	Neighboring Municipalities
Stormwater Pipe	County Road	Burlington Township Boundary
	Other County Road	

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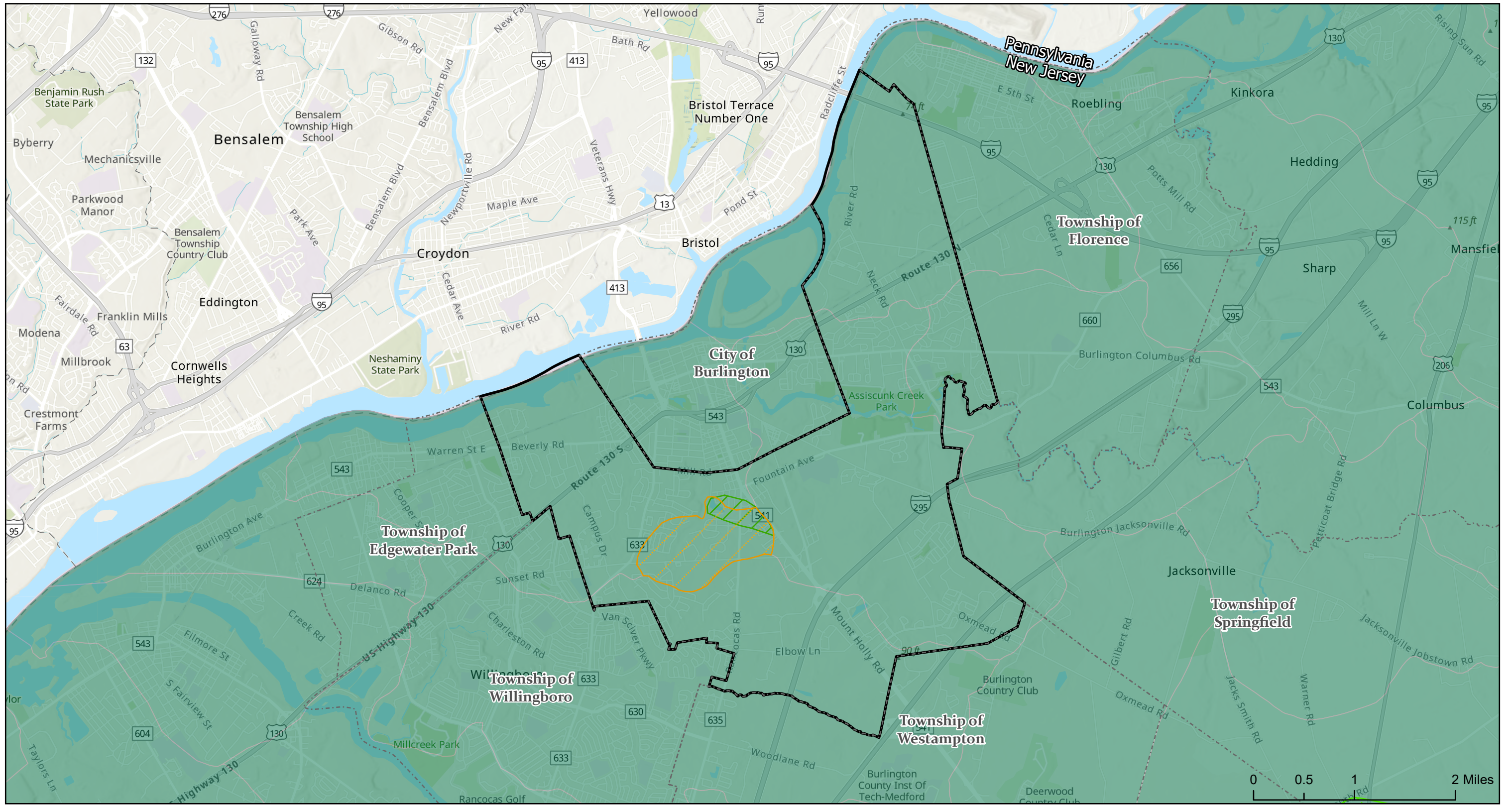
**Burlington Township, New Jersey  
Watershed Inventory Report**

Drainage Area for Each Interconnection Into  
Another Entities' Storm or Sanitary

SCALE: 1" = 4,500'	SHEET ___ of ___	REVISION ___	PROJECT NO. SCE- R14213.021
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## **Appendix I**

AREA ASSOCIATED WITH EACH TOTAL MAXIMUM  
DAILY LOAD (TMDL) FOR WATERS WITHIN OR  
BORDERING MUNICIPALITY



- TMDL (Lakesheds)
  - Fecal Coliform
  - Total Phosphorus
- TMDL (Streamsheds)
  - Polychlorinated Biphenyls (PCBs)
  - Volatile Organic Compounds (VOCs)
- TMDL (Streamsheds Pre-2008)
  - Fecal Coliform
  - Total Phosphorus
- Neighboring Municipalities
  - Neighboring Municipalities
  - Burlington Township Boundary



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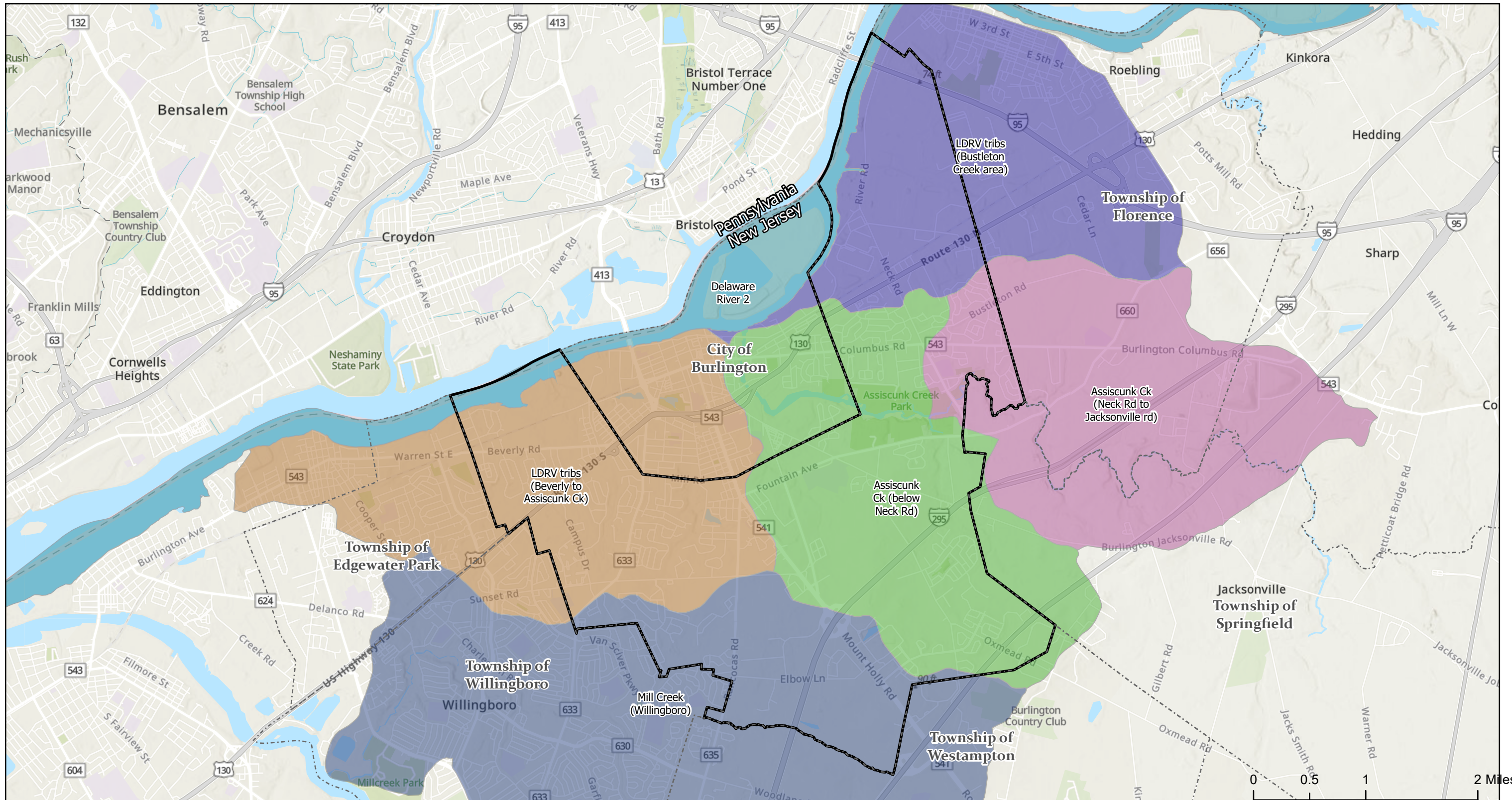
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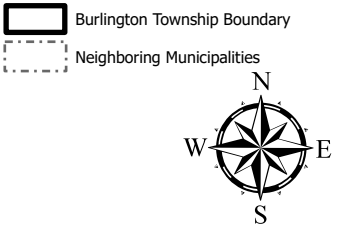
<b>Burlington Township, New Jersey Watershed Inventory Report</b>			
Area Associated W/each Total Maximum Daily Load (TMDL) for Waters within or Bordering Municipality			
SCALE: 1" = 5,000'	SHEET ___ of ___	REVISION ___	PROJECT NO. SCE- R14213.021

## **Appendix J**

AREA ASSOCIATED WITH EACH WATER QUALITY  
IMPAREMENT FOR WATERS WITHIN OR BORDERING  
MUNICIPALITY



Parameter	Color
Assiscunk Ck (Neck Rd to Jacksonville rd) - ESCHERICHIA COLI (E. COLI), PCBS IN FISH TISSUE, PHOSPHORUS, TOTAL	Purple
Assiscunk Ck (below Neck Rd) - ESCHERICHIA COLI (E. COLI), PCBS IN FISH TISSUE	Green
Delaware River 2 - TEMPERATURE	Blue
LDRV tribs (Beverly to Assiscunk Ck) - PCBS IN FISH TISSUE	Orange
LDRV tribs (Bustleton Creek area) - PCBS IN FISH TISSUE	Dark Blue
Mill Creek (Willingboro) - ESCHERICHIA COLI (E. COLI), PCBS IN FISH TISSUE, PHOSPHORUS, TOTAL	Light Blue



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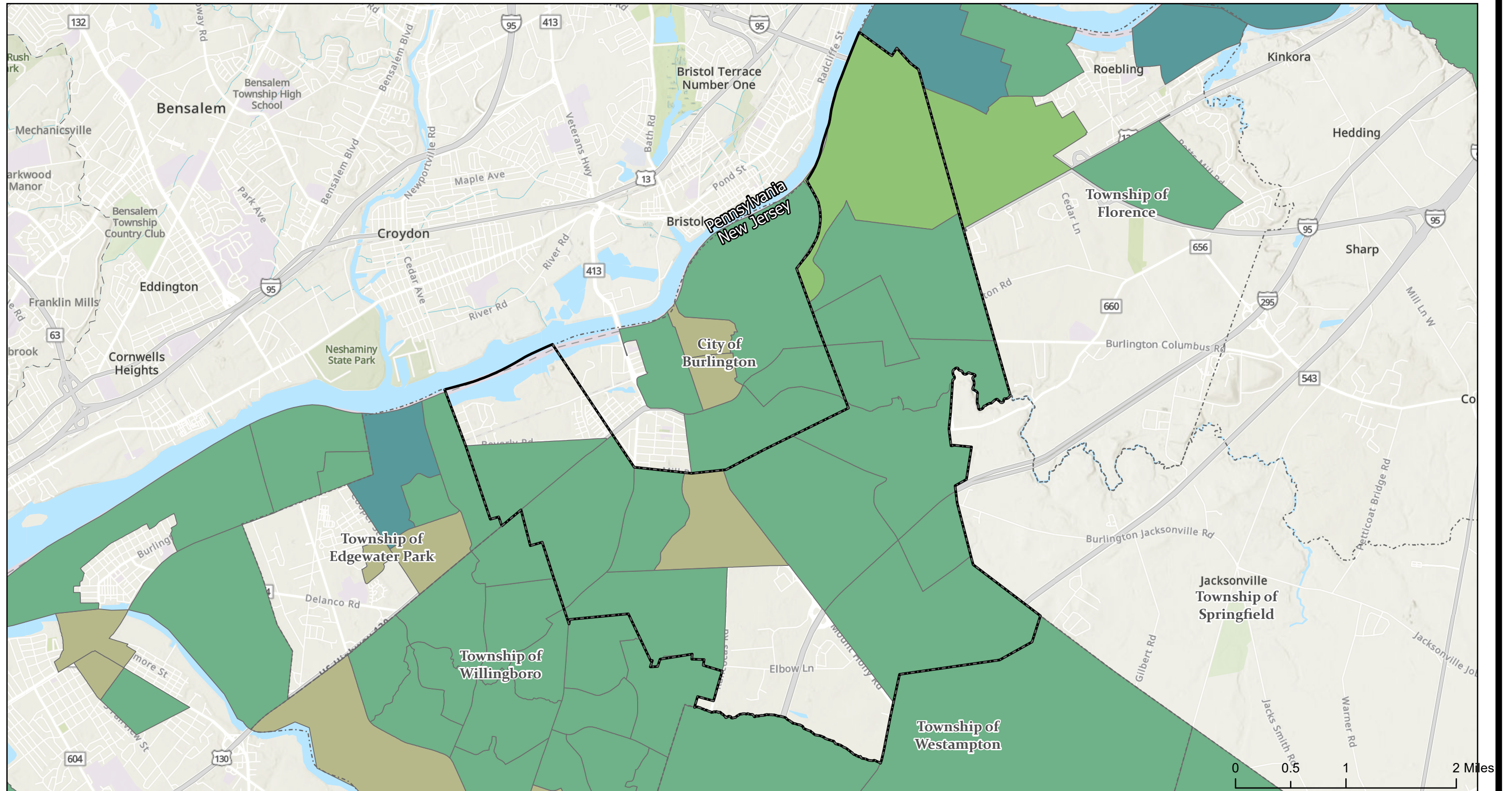
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<b>Burlington Township, New Jersey Watershed Inventory Report</b>			
Area Associated With Each Water Quality Impairment for Waters Within or Bordering Municipality			
SCALE: 1" = 4,500'	SHEET ___ of ___	REVISION ___	PROJECT NO. SCE- R14213.021

# **Appendix K**

## OVERBURDENED COMMUNITIES



- Overburdened Community Criteria
- Adjacent
  - Low Income
  - Low Income and Minority
  - Minority
- Neighboring Municipalities
- Neighboring Municipalities
  - Burlington Township Boundary



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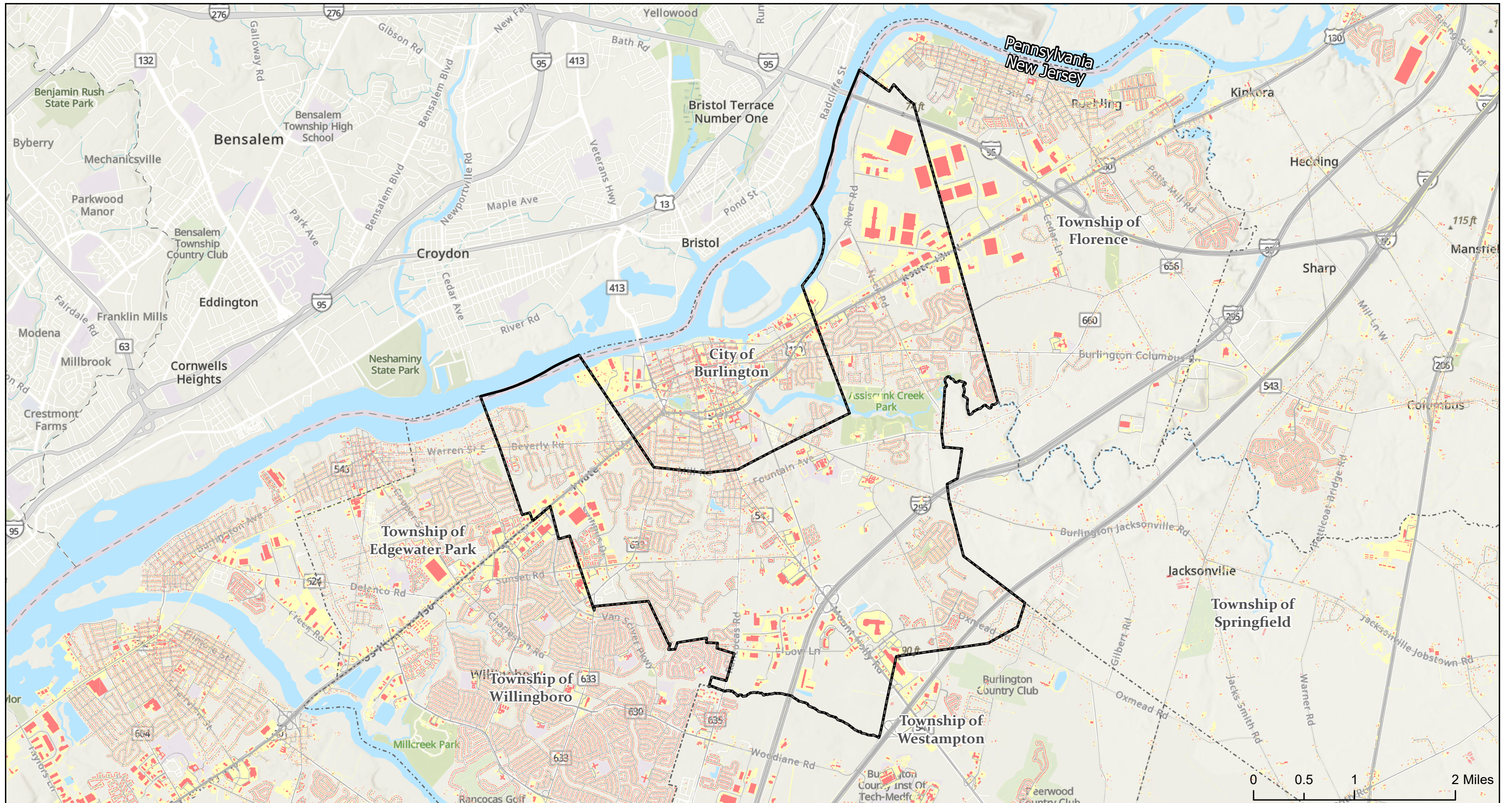
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<b>Burlington Township, New Jersey Watershed Inventory Report</b>			
Overburdened Communities			
SCALE: 1" = 4,500'	SHEET ___ of ___	REVISION ___	PROJECT NO. SCE-R14213.021

# **Appendix L**

## IMPERVIOUS AREAS



**Impervious Surface**

- Building
- Road
- Other

**Neighboring Municipalities**

- Neighboring Municipalities
- Burlington Township Boundary



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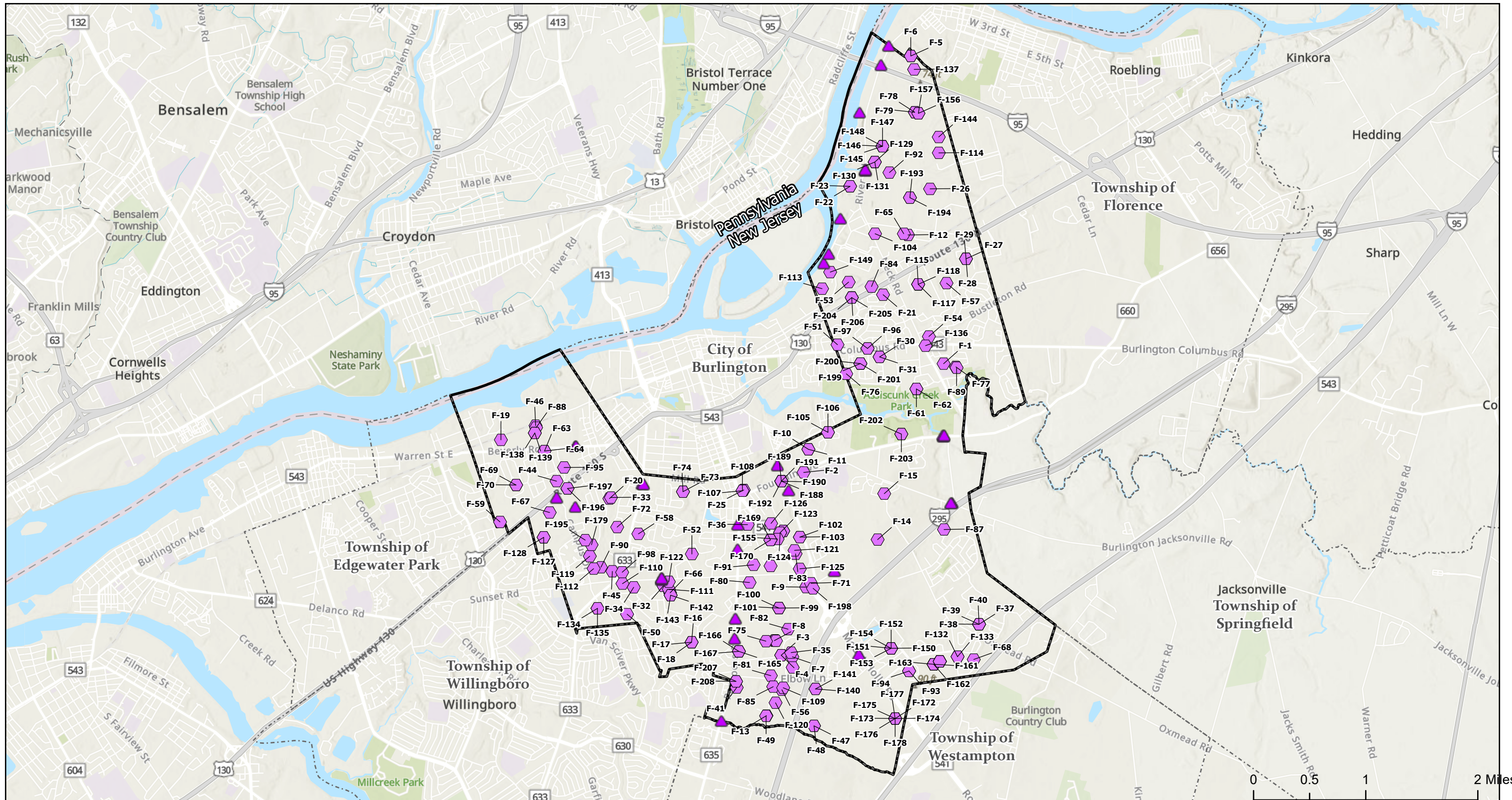
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Impervious Areas			
<b>SCALE:</b> 1" = 5,000'	<b>SHEET</b> of	<b>REVISION</b> of	<b>PROJECT NO.</b> SCE-R14213.021

## **Appendix M**

LOCATION OWNERSHIP OF STORMWATER OUTFALLS  
BASINS INFRASTRUCTURE NOT OWNED OPERATED BY  
PERMITTEE



- Pipe Outfall
- Storm Facilities Point
- Neighboring Municipalities
- Burlington Township Boundary



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<b>Burlington Township, New Jersey Watershed Inventory Report</b>			
Location & Ownership of Stormwater Outfalls & Basins/Infrastructure Not Owned/Operated by Permittee			
SCALE: 1" = 4,500'	SHEET ___ of ___	REVISION ___	PROJECT NO. SCE- R14213.021