**Nutrient Source Identification Report**

Town of Walpole

Prepared By: Neponset River Watershed Association

March 30, 2022

This report is being submitted as a Draft. This specific submission is not intended for regulatory compliance purposes.

**Acknowledgements**

*This is one among twenty Nutrient Source Identification Reports prepared by the Neponset River Watershed Association (NepRWA) and the Pioneer Valley Planning Commission (PVPC). These reports are meant to provide MS4 permitted municipalities with documents they can finalize and submit to U.S. EPA as part of their Year 4 reporting requirements.*

*This work is made possible through a grant from the MassDEP Municipal Assistance Program. Project staff from NepRWA and PVPC appreciate the conversation and feedback provided by MassDEP and U.S. EPA staff in working through methodology to prepare these reports. Aside from producing nutrient source identification reports for 20 communities, this project also resulted in the following: lake-pond phosphorous control plan Year 4 submission requirements for two communities; documentation of approach and methods for use by other MS4 permittees across MA in meeting these Year 4 requirements; and setting of the stage for upgrading existing stormwater infrastructure in key high pollutant loading catchments.*

*NepRWA and PVPC staff are grateful also to the partner communities who joined them in this pilot project. Following is a list of cities and towns who participated in this project:*

*Agawam*

*Canton*

*Dedham*

*Foxborough*

*Granby*

*Longmeadow*

*Ludlow*

*Medfield*

*Milton*

*Northampton*

*Quincy*

*Randolph*

*Sharon*

*South Hadley*

*Southampton*

*Southwick*

*Stoughton*

*Walpole*

*Westfield*

*Westwood*

*Wilbraham*

## Background: The Nutrient Pollution Problem

Nitrogen and phosphorous are naturally occurring plant fertilizers or “nutrients.” When land is developed, and storm drain systems are installed, the amount of nitrogen and phosphorous discharged to local streams, ponds and wetlands increases significantly relative to natural stream conditions. In the urban environment, nitrogen and phosphorous come from a variety of sources including organic debris such as fallen leaves, animal and pet waste, lawn and agricultural fertilizers, malfunctioning sewers and septic systems, and atmospheric deposition from car exhaust, among other sources.

Some of these sources also occur in the natural environment. However, in the urban environment the prevalence of paved and impervious areas coupled with the availability of storm drain collection systems allows street runoff containing excess nutrient pollution to be very quickly collected and conveyed to the nearest waterbody, generally with little or no treatment—bypassing the natural processes such as soil filtration and infiltration that would capture and recycle nutrients before they reached waterways in an undeveloped landscape.

As a result, nutrient pollution from polluted stormwater runoff has become a major source of pollution across the country. Nutrient pollution increases undesirable plant and algae growth in waterways, which can be highly toxic to humans and wildlife and reduce oxygen levels in the water. This, in turn, impedes recreation and creates chronic challenges for aquatic life, sometimes leading to fish kills. In freshwater waterways phosphorous is generally the primary pollutant of concern, while nitrogen becomes the primary concern once freshwater rivers flow into saltwater estuaries and bays.

## Background: Regulatory Context

Under the federal and state clean water acts, the Massachusetts Department of Environmental Protection (MassDEP) is charged with establishing water quality standards and determining whether waterways meet these designated standards. MassDEP publishes its Integrated List of Waters, also referred to at the 303d Impaired Waters List, identifying waters that do not meet standards. These waterways are referred to as being “impaired” or “water quality limited” based on one or more causes which may include nitrogen, phosphorous, “nutrient/eutrophication biological indicators” or in some cases turbidity or transparency. MassDEP is also charged with preparing waterbody-specific cleanup plans for nutrient pollution known as Total Maximum Daily Loads or TMDLs, though these are yet to be prepared for many impaired waterways.

The Town of Walpole (“the Town”) is subject to the requirements of US Environmental Protection Agency’s (EPA’s) 2016 Massachusetts Small MS4 General Permit. One of the requirements of this permit is that communities discharging stormwater to waterways that are listed by MassDEP as impaired for phosphorous or nitrogen, or that flow into impaired waterways, and for which a total maximum daily load does not exist, shall prepare a Nutrient Source Identification Report as detailed in Appendix H of the permit. This report has been developed to satisfy this requirement of the permit.

The nutrient source identification report must be submitted with the permit year 4 annual report (year ending June 30, 2022 and report due late September 2022). The requirements include (excerpt from EPA 2016 MS4 Permit Appendix H):

1. Calculation of total MS4 area draining to the water quality limited water segments or their tributaries, incorporating updated mapping of the MS4 and catchment delineations produced pursuant to part 2.3.4.6;
2. All screening and monitoring results pursuant to part 2.3.4.7.b., targeting the receiving water segment(s);
3. Impervious area and DCIA for the target catchment;
4. Identification, delineation and prioritization of potential catchments with high [*nitrogen and/or phosphorous*] loading;
5. Identification of potential retrofit opportunities or opportunities for the installation of structural BMPs during redevelopment.

## MS4 Permit Appendix H Applicability

Portions of the Town lie both within the Neponset River Watershed and the Charles River Watershed. Of the 27 receiving waterbody segments identified in the Town’s Notice of Intent, 3 have been identified as specifically impaired for phosphorus. In some cases, the Town’s receiving waters also flow into another water body that is impaired for phosphorous, or waters that are listed as impaired for a cause in which phosphorous pollution is a factor such as dissolved oxygen, or eutrophication biological indicators.

The saltwater portion of the Neponset River, known as the Neponset River Estuary, is not specifically listed as impaired for nitrogen by MassDEP, but is listed as impaired for several other factors for which nitrogen pollution is a contributing factor. Furthermore, EPA has directed the City of Quincy to prepare a nutrient source identification report for nitrogen based on its stormwater discharges to the Neponset River. While EPA has not provided any clear direction to other communities in the Neponset River Watershed that are upstream of the Neponset Estuary regarding the need for a nitrogen source identification report, the possibility exists that EPA may issue such a requirement in the future. In the interest of efficiency of analysis, this report also includes an analysis of nitrogen pollution loading for all communities in the Neponset River Watershed.

Therefore, this report has been prepared in accordance with the guidelines in sections I.1.b and II.1.b of Appendix H of the 2016 Massachusetts Small MS4 General Permit.

The status of receiving waters in the Town is summarized in Table 1 below. Note that impairments listed based on 2016 MA list of impaired waters.

Table 1. Receiving Waters for the Town of Medfield

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Receiving Water | Number of Outfalls | Impaired for P? | Impaired for N? | Other Impairments |
| Neponset River (MA73-01) | 104 | Yes | No | DDT in Fish Tissue  Dissolved Oxygen  Escherichia Coli (E. Coli)  Metals  Nutrient/Eutrophication Biological Indicators  PCBs In Fish Tissue |
| Ganawatte Farm Pond (MA73037) | 3 | No | No | Aquatic Plants (Macrophytes)  Dissolved Oxygen  Transparency / Clarity |
| School Meadow Brook (MA73-06) | 6 | No | No |  |
| Spring Brook | 9 | No | No |  |
| Clark Pond (MA73008) | 3 | No | No | Non-Native Aquatic Plants |
| Unnamed trib to Mill Brook (MA73-08) in Medfield, crossing Starlight Dr | 6 | No | No |  |
| Memorial Pond (MA73012) | 5 | No | No | Aquatic plants (macrophytes)  Turbidity |
| Unnamed Tributary to Turner Pond (MA73-34) | 18 | No | No | Debris, Trash |
| Traphole Brook (MA73-17) | 39 | No | No | Fecal Coliform (TMDL Completed 2592) |
| Cobbs Pond (MA73009) | 3 | No | No | Non-Native Aquatic Plants  Dissolved Oxygen  Nutrient/Eutrophication Biological Indicators  Transparency / Clarity |
| Bubbling Brook (MA73-11) | 4 | No | No |  |
| Pettee Pond (MA73036) | 3 | No | No | Mercury in fish tissue |
| Willet Pond (MA73062) | 13 | No | No | Mercury in fish tissue (TMDL Completed 33880) |
| Mine Brook (MA73-09) | 21 | No | No | Fecal coliform |
| Turner Pond (MA73058) | 12 | No | No | Non-native aquatic plants |
| Unnamed trib to Neponset R at Elm St and Robbins Rd | 23 | No | No |  |
| Stop River (MA72-09) | 20 | Yes | No | Ambient Bioassays (Chronic Aquatic Toxicity)  Dissolved Oxygen |
| Stop River (MA72-10) | 2 | Yes | No | Organic Enrichment (Sewage) Biological Indicators, Temperature (water) |
| Unnamed trib to Cobbs Pond | 51 | No | No |  |
| Unnamed trib to Neponset River from Turner Pond (MA73-10) | 6 | No | No |  |
| Unnamed trib to Neponset R crossing Mylod St | 6 | No | No |  |
| Unnamed trib to Neponset R crossing Washington St, S of Pine St | 8 | No | No |  |
| Unnamed trib to Neponset R crossing Washington St, N of Water St | 2 | No | No |  |
| Unnamed trib to Neponset R, west of Barbara St | 29 | No | No |  |
| Unnamed pond east of Shoreview Dr | 2 | No | No |  |
| Unnamed trib to Neponset R, crossing Oak St and Spring Valley Dr | 8 | No | No |  |
| Unnamed trib to Bubbling Brook | 5 | No | No |  |

## Data Sources and Analytical Methods

Several existing datasets were used to complete this work. Table 2 below lists the utilized data sets and their origin.

Table 2. Data Sources

|  |  |  |  |
| --- | --- | --- | --- |
| Existing Data Set | Origin | Date Published/Updated | Link |
| 2016 Land Cover/Land Use | MassGIS | May 2019 | <https://docs.digital.mass.gov/dataset/massgis-data-2016-land-coverland-use> |
| Soil Survey Geographic (SSURGO) Database for Norfolk and Suffolk Counties, Massachusetts | USDA | June 2020 | Downloaded through Web Soil Survey (<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>).  Hydrologic soil groups extracted using Soil Data Viewer Version 6.1 (<https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/survey/geo/?cid=nrcs142p2_053619>) |
| Town Catchments | Town GIS Files | Current as of the publishing of this report | N/A |
| Massachusetts Land Parcel Database (Metro Boston Region) | MAPC | May 2019 | Used to locate SCM opportunities, this shapefile contains the “Parloc\_ID” field used to identify parcels.  <https://datacommon.mapc.org/browser/datasets/360> |

Impervious area is the portion of the Town that is paved, covered by buildings, or otherwise rendered unable to absorb water naturally due to development. Impervious area for the town was calculated using the MassGIS 2016 Land Cover/Land Use data layer which was published in 2019. This data layer maps impervious and pervious land cover by land use type based on aerial photography and other data sources. This was overlaid with the Town’s data layer for outfall catchment areas (the area draining to each town-owned stormwater discharge point) to estimate total areas and total impervious area discharging to or upstream of nutrient-impaired waterways, as well as to estimate impervious area for each stormwater outfall catchment.

Directly connected impervious area (DCIA), also referred to as “effective impervious cover,” is the amount of impervious area that is directly connected to the storm drain system. Most land in the Town was developed before the creation of modern requirements to capture, clean, slow down, and recharge stormwater runoff using stormwater control measures (SCMs). However, many new development and redevelopment projects constructed in recent years have required the installation or upgrade of SCMs, such that today some properties have no SCMs, some have SCMs that meet some modern standards, and some have SCMs that are fully compliant with modern standards. Because site-specific information about the existence of specific SCMs is not available at the parcel level, an estimate of DCIA or effective impervious cover is used to approximate the average level of SCMs installed across the watershed. Estimating DCIA can yield a more specific pollutant loading estimate for a given area. DCIA was estimated based on land use categories following EPA guidance.

To estimate the pollutant loads for nitrogen and/or phosphorous in each catchment, estimated pollutant loading rates for different combinations of land use type, land cover type, and soil type were applied in accordance with guidance in the EPA 2016 MS4 Permit. The individual loading rates for these unique subsections were summed based on catchment, which produced an overall estimated catchment pollutant loading rate.

For a more detailed description of the analytical methods used for this project, please refer to the supplement to this report, entitled “Nutrient Source Identification Report Addendum: Methods.”

## Total Area Draining to Water Quality Limited Segments (or Tributaries)

The total area of the Town is approximately 13,481 acres. Since all areas of the Town are located either in the Neponset River Watershed, the Charles River Watershed or the Taunton River Watershed and drainage flows either directly to waters that are impaired for phosphorus or waters that are listed as impaired for a cause in which phosphorous pollution is a factor, this report included all areas of the town in the phosphorus loading evaluation. Table 3 below shows how much of the Town is located in each watershed.

Similarly, portions of the town are upstream of the Neponset Estuary and therefore drain to a segment that EPA may consider impaired for nitrogen. While EPA has not provided clear guidance indicating that the Town is subject to the requirements of Appendix H of the 2016 MS4 permit for nitrogen, this report includes the analysis for nitrogen so that the relevant data is available should EPA make such a determination in the future. Therefore, catchments located in the Neponset River Watershed were included in the nitrogen loading analysis sections of this report. Catchments located in the Charles River Watershed were not ranked with regards to nitrogen loading, but nitrogen loading estimates were made for these catchments in the process of analysis and the results are included in Table C-1 in Appendix C for reference.

Table 3. Summary of Area Draining to Water Quality Limited Segments

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Receiving Water Impaired for Phosphorus |  | Neponset Watershed | Charles Watershed | Taunton Watershed | Total |
| Total Area of Town (Acres) | Town  Wide | 12,028 | 1,425 | 28 | 13,481 |
| Within Catchments | 3,882 | 167 | 18 | 4,067 |
| Area Draining to Phosphorous Impaired Waters or Potentially Impaired Waters (Acres) | Town  Wide | 12,028 | 1,425 | 28 | 13,481 |
| Within Catchments | 3,882 | 167 | 18 | 4,067 |
| Area Draining to Nitrogen Impaired or Potentially Impaired Waters (Acres) | Town  Wide | 12,028 | 0 | 28 | 3,900 |
| Within Catchments | 3,882 | 0 | 18 | 3,900 |

## Impervious Area and Directly Connected Impervious Area

Table 4 below summarizes the total impervious area (IA) and estimated DCIA in the Town stormwater Catchments. It is also important to note that most of the impervious area in the Town is not owned or maintained by the Town, but by private parties or other public agencies.

Table 4. Summary of Impervious Area and DCIA within Delineated Catchments

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Neponset Watershed | Charles Watershed | Taunton Watershed | Total |
| Impervious Area (Acres) | Catchment Area | 1072 | 36 | 3.8 | 1,112 |
| Estimated DCIA (Acres) | Catchment Area | 259 | 8.9 | 1.0 | 269 |

Table A-1, A-2 and A-3 in Appendix A of this report provides impervious area and estimates of DCIA for the Town’s catchments in the Neponset, Charles, and Taunton River Watersheds, respectively. Table 5, 6 and 7 below show the same information for the ten catchments with the most impervious area in each watershed. The catchments are labeled using the Town’s identifier for the outfall to which they drain. The table is sorted in descending order of total impervious area. Any catchment without an identifier was assumed to have an outfall in the watershed in which the majority of the catchment area was located.

Table 5. Total Impervious Area and DCIA for the Ten Most Impervious Town Catchments in the Neponset River Watershed

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Catchment Identifier | Impervious Area (Acres) | Percent Impervious | DCIA (Acres) | Percent DCIA |
| 20-0000-0023 | 36.56 | 31.50% | 3.96 | 3.42% |
| Unresolved170 | 22.42 | 56.68% | 5.54 | 14.01% |
| 27-0000-0007 | 21.40 | 26.85% | 2.53 | 3.18% |
| 26-0000-0001 | 18.91 | 26.13% | 3.01 | 4.15% |
| 25-0000-0015 | 18.62 | 70.89% | 8.17 | 31.11% |
| 13-0000-0002 | 17.78 | 26.47% | 3.33 | 4.96% |
| 10-0000-0003 | 17.58 | 19.29% | 2.12 | 2.32% |
| 34-0000-0017 | 16.62 | 41.79% | 3.37 | 8.47% |
| 34-0000-0012 | 16.04 | 20.42% | 1.84 | 2.35% |
| 34-0000-0001a | 14.36 | 53.04% | 3.04 | 11.23% |
| Top 10 Catchments as a % of Town Catchment Watershed Total | 18.7% |  | 14.3% |  |

Table 6. Total Impervious Area and DCIA for the Ten Most Impervious Town Catchments in the Charles River Watershed

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Catchment Identifier | Impervious Area (Acres) | Percent Impervious | DCIA (Acres) | Percent DCIA |
| 45-0000-0002 | 3.82 | 14.27% | 0.52 | 1.93% |
| 38-0000-0001 | 3.52 | 21.06% | 0.69 | 4.11% |
| 44-0000-0008 | 2.92 | 21.79% | 0.51 | 3.83% |
| 38-0000-0006 | 2.58 | 17.82% | 0.53 | 3.69% |
| 44-0000-0004 | 1.88 | 30.21% | 0.44 | 7.06% |
| Unresolved256 | 1.88 | 13.27% | 0.28 | 1.94% |
| Unresolved262 | 1.83 | 39.19% | 0.58 | 12.37% |
| 55-0000-0002 | 1.60 | 19.45% | 0.24 | 2.97% |
| Unresolved227 | 1.51 | 38.80% | 0.72 | 18.49% |
| 45-0000-0003 | 1.49 | 17.16% | 0.35 | 4.04% |
| Top 10 Catchments as a % of Town Catchment Watershed Total | 64.0 % |  | 54.6 % |  |

Table 7. Total Impervious Area and DCIA for the four Impervious Town Catchments in the Taunton River Watershed

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Catchment Identifier | Impervious Area (Acres) | Percent Impervious | DCIA (Acres) | Percent DCIA |
| 58-0000-0002 | 2.25 | 36.74% | 0.67 | 10.91% |
| 58-0000-0003 | 0.89 | 9.57% | 0.13 | 1.43% |
| Unresolved291 | 0.32 | 14.07% | 0.07 | 3.16% |
| 58-0000-0001 | 0.29 | 51.55% | 0.14 | 24.76% |
| Top 4 Catchments as a % of Town Catchment Watershed Total | 100 % |  | 100 % |  |

## Estimated Nutrient Loading from Catchments

Using the methods described in the addendum to this report, estimates of phosphorus and nitrogen loading potential were created for each of the Town’s storm drain outfall catchments.

Tables B-1, B-2 and B-3 in Appendix B and C-1, C-2 and C-3 in Appendix C of this report show calculated phosphorus and nitrogen loading estimates for the Town’s catchments in the Neponset, Charles, and Taunton River Watersheds, respectively. Tables 8-12 below show the five catchments with the highest estimated phosphorus and nitrogen loading, respectively. Note that, as stated earlier in this report, catchments in the Charles River Watershed were not ranked for estimated nitrogen load, but the analysis was completed in the interest of efficiency. Results for estimated nitrogen load for Charles River Watershed catchments are available in Table C-1 in Appendix C.

Table 8. Estimated Phosphorus Loading for Five Highest-Load Town Catchments in the Neponset River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated P Load (Lbs/Yr) |
| 20-0000-0023 | 77.83 |
| 27-0000-0007 | 48.53 |
| 10-0000-0003 | 43.20 |
| Unresolved170 | 42.90 |
| 34-0000-0012 | 41.13 |
| Top 5 as a % of Total Town Watershed Load | 10.77% |

Table 9. Estimated Nitrogen Loading for Five Highest-Load Town Catchments in the Neponset River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated N Load (Lbs/Yr) |
| 20-0000-0023 | 617.49 |
| 27-0000-0007 | 392.18 |
| 10-0000-0003 | 364.59 |
| 34-0000-0012 | 349.79 |
| Unresolved170 | 344.10 |
| Top 5 as a % of Total Town Watershed Load | 11.20% |

Table 7. Estimated Phosphorus Loading for Five Highest-Load Town Catchments in the Charles River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated P Load (Lbs/Yr) |
| 45-0000-0002 | 12.44 |
| 38-0000-0001 | 8.99 |
| 38-0000-0006 | 7.25 |
| 44-0000-0008 | 6.47 |
| 55-0000-0002 | 4.91 |
| Top 5 as a % of Total Town Watershed Load | 44.37% |

Table 8. Estimated Phosphorus Loading for Five Highest-Load Town Catchments in the Taunton River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated P Load (Lbs/Yr) |
| 58-0000-0002 | 5.25 |
| 58-0000-0003 | 2.56 |
| Unresolved291 | 1.10 |
| 58-0000-0001 | 0.64 |
|  |  |
| Top 5 as a % of Total Town Watershed Load | 100% |

Table 9. Estimated Nitrogen Loading for Five Highest-Load Town Catchments in the Taunton River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated N Load (Lbs/Yr) |
| 58-0000-0002 | 43.69 |
| 58-0000-0003 | 27.11 |
| Unresolved291 | 11.20 |
| 58-0000-0001 | 5.12 |
|  |  |
| Top 5 as a % of Total Town Watershed Load | 100% |

Note these are estimated loadings based on soil type, land use and estimated DCIA (e.g. typical level of SCMs in town). Actual loading may vary considerably from site to site depending on what SCMs are actually present, and regional studies such as the Charles River Phosphorous TMDL have indicated that the default DCIA assumptions used by EPA are somewhat optimistic, such that actual loading rates may be higher. However, these estimates provide a valuable guide to help identify those areas of the Town that should be the highest priorities for interventions to begin reducing pollutant loading.

## Outfall Screening Monitoring Results

As of the writing of this report, outfall screening results did not identify any outfalls with significantly elevated nutrient concentrations, using the guidelines in the Center for Watershed Protection’s Illicit Discharge Detection and Elimination Manual (published in October 2004) as a reference. A complete summary of up to date dry weather outfall screening and monitoring results pursuant to part 2.3.4.7.b. can be found in appendix F. As more outfall screening is completed and more data become available, they will be included in this report and pertinent findings shall be incorporated into the determination of the highest priority catchments with respect to phosphorus and nitrogen loading.

## Catchment Prioritization

Catchments are prioritized in the order shown in Tables B-1 and B-2 (phosphorus) and C-1 and C-2 (nitrogen). When more outfall screening data become available, the list of catchments should be re-examined and the “Top 5” list should be updated based on these real-world data.

## Potential Retrofit Opportunities

Town parcels were examined for potential BMP retrofit opportunities using the Neponset Stormwater Partnership’s BMP Tool (NSP BMP Tool). This tool analyzes soil data, estimated pollutant loading, and various limitations of each parcel in Town to determine the locations most suitable for further field assessment of SCM opportunities to reduce chosen pollutants. Existing infrastructure, impervious surfaces and open space were also considered.

The NSP BMP Tool uses slightly different methods to estimate pollutant loading than are utilized in this report so estimated loading rates will differ. However, this does not diminish the utility of the NSP BMP Tool as a means to help identify potential retrofit sites, especially given additional features that are incorporated into the Tool.

After assessing the data, each high-loading catchment was reviewed for potential SCM sites. Five parcels were chosen and are listed in Tables 10-12 below. All parcels in these lists are Town-owned, as town-owned properties often present the fewest barriers to SCM development. These sites should be visited first when performing reconnaissance work to locate SCMs that will reduce nutrient loading in the town. Additionally, it should be noted that the NSP BMP Tool does not rank rights-of-way as Town-owned, but they are often highly desirable sites for SCMs. All rights-of-way, particularly in the high-loading catchments, should be considered in addition to individual parcels. Note that “Parloc\_ID” is an attribute from the MAPC parcel data set that may be helpful in identifying the indicated parcels.

More extensive lists of Town-owned properties to be considered for SCM development is included in Appendix D and E. In these lists, they are ranked by the BMP Tool’s priority score, which projects each parcel’s pollutant load and considers how suited that parcel is for SCM’s designed to remove the targeted pollutant. Appendix D ranks parcels for phosphorus removal and Appendix E ranks them for nitrogen removal. The larger lists in these appendices should be considered a more comprehensive collection of the parcels that should be considered first for SCM development. As Town-owned parcels are evaluated, the Town should begin considering privately-owned parcels, as well, using the NSP BMP Tool as a guide.

Table 10. High-Priority Parcels in the Neponset Watershed to be Considered for SCM Development for Phosphorus Pollution

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Parloc\_ID | Catchment | Notes |
| MAIN ST | F\_724337\_2880402 | Unresolved205 | Open space South of the corner of Main St. and Kendall St. |
| 111 ROBBINS RD | F\_721840\_2880678 | 25-0000-0005, 25-0000-0006 | Eleanor N Johnson Middle School |
| 625 WASHINGTON ST | F\_728687\_2879094 / F\_728832\_2879311 | 26-0000-0010 | Bird Middle School |
| PALL MALL | F\_732424\_2880407 | 28-0000-0002, Unresolved296 | Open space in residential area with buried storm main North of 8 Pall Mall Rd |
| 1852 WASHINGTON ST | F\_721592\_2863665 | 53-0000-0012, 53-0000-0015 | Boyden School |

Table 11. High-Priority Parcels in the Charles River Watershed to be Considered for SCM Development for Phosphorus Pollution

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Parloc\_ID | Catchment | Notes |
| KINGSBURY ST | F\_714839\_2875414 | 31-0000-0001 | Open Space along East side of Kingsbury St., North of West St. |
| MAIN ST | F\_714604\_2865077 | Unresolved248 | Undeveloped Parcel East of Main St (South of 2208 Main St.) |
| LINCOLN RD | F\_710679\_2872598 | Undelimitated | Area with utility lines south of Lincoln Rd. by Daisy Dr. |
| WINTER ST | F\_711261\_2869458 | 44-0000-0005, 44-0000-0008, 44-0000-0001 | Undeveloped Parcel abutting Mozart Dr. Residential area and Beethoven Ave. |
| CITY MILLS | F\_713907\_2874927 | Undeliniated | Undeveloped Parcel on Plain St. West of Breezewood Ln. |

\*Very few Town-owned parcels were found in the Charles River Watershed. The listed parcels represent some of the best opportunities, but they are not all located in high-loading catchments. It is recommended that roadways in the high-load catchments be considered for SCM retrofit suitability.

Table 12. High-Priority Parcels in the Neponset River Watershed to be Considered for SCM Development for Nitrogen Pollution

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Parloc\_ID | Catchment | Notes |
| 625 WASHINGTON ST | F\_728687\_2879094, F\_728832\_2879311 | 26-0000-0010 | Bird Middle School |
| 1852 WASHINGTON ST | F\_721592\_2863665 | 53-0000-0012, 53-0000-0015 | Boyden School |
| 99 OLD POST RD | F\_731360\_2878206 | 28-0000-0015, 27-0000-0007 | Old Post School |
| 135 SCHOOL ST | F\_723832\_2878271 | 34-0000-0001a | Walpole Town Hall |
| 275 COMMON ST | F\_724502\_2874807 | 34-0000-0017 | Walpole High School |

These results provide a valuable starting point for the next phase of requirements in Appendix H of the 2016 MS4 Permit which are due by the end of permit year 5 (6/30/2023), which include:

* “Evaluate all permittee-owned properties identified as presenting retrofit opportunities”,
* “Provide a listing of planned structural BMPs and a plan and schedule for implementation”, and
* “Any structural BMPs installed…by the permittee…shall be tracked and the permittee shall estimate the phosphorus removal by the BMP.”

**Appendix A: Impervious/DCIA Summary by Catchment**

Table A-1. Impervious and DCIA Amounts for All Town Catchments in the Neponset River Watershed, Sorted by Impervious Area

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Catchment Identifier | Impervious Area (Acres) | Percent Impervious | DCIA (Acres) | Percent DCIA |
| 20-0000-0023 | 36.56 | 31.50% | 3.96 | 3.42% |
| Unresolved170 | 22.42 | 56.68% | 5.54 | 14.01% |
| 27-0000-0007 | 21.40 | 26.85% | 2.53 | 3.18% |
| 26-0000-0001 | 18.91 | 26.13% | 3.01 | 4.15% |
| 25-0000-0015 | 18.62 | 70.89% | 8.17 | 31.11% |
| 13-0000-0002 | 17.78 | 26.47% | 3.33 | 4.96% |
| 10-0000-0003 | 17.58 | 19.29% | 2.12 | 2.32% |
| 34-0000-0017 | 16.62 | 41.79% | 3.37 | 8.47% |
| 34-0000-0012 | 16.04 | 20.42% | 1.84 | 2.35% |
| 34-0000-0001a | 14.36 | 53.04% | 3.04 | 11.23% |
| Unresolved228 | 14.22 | 36.94% | 2.33 | 6.04% |
| Unresolved30 | 13.82 | 39.04% | 3.83 | 10.80% |
| 28-0000-0013 | 13.81 | 30.68% | 1.58 | 3.51% |
| 33-0000-0005 | 13.58 | 25.77% | 1.64 | 3.11% |
| Unresolved207 | 12.81 | 38.46% | 5.86 | 17.60% |
| 35-0000-0002 | 11.50 | 22.95% | 1.69 | 3.38% |
| 13-0000-0001 | 11.07 | 35.29% | 2.17 | 6.92% |
| 56-0000-0003 | 10.94 | 44.24% | 4.08 | 16.51% |
| 08-0000-0006 | 10.35 | 21.83% | 1.00 | 2.10% |
| 19-0000-0002 | 9.65 | 24.70% | 1.67 | 4.27% |
| 02-0000-0002 | 8.48 | 18.05% | 1.12 | 2.38% |
| 12-0000-0004 | 8.46 | 21.41% | 0.69 | 1.75% |
| 10-0000-0008 | 8.32 | 24.07% | 1.06 | 3.06% |
| 33-0000-0017 | 8.30 | 52.99% | 1.95 | 12.46% |
| 32-0000-0008 | 8.07 | 38.58% | 1.72 | 8.21% |
| 09-0000-0008 | 7.59 | 22.84% | 1.28 | 3.86% |
| 46-0000-0002 | 7.29 | 55.87% | 2.37 | 18.16% |
| 02-0000-0003 | 7.11 | 20.02% | 1.10 | 3.10% |
| 33-0000-0011 | 6.92 | 41.04% | 1.37 | 8.13% |
| 55-0000-0005 | 6.88 | 9.28% | 0.49 | 0.66% |
| 28-0000-0015 | 6.76 | 35.33% | 1.21 | 6.32% |
| 18-0000-0012 | 6.65 | 46.71% | 1.41 | 9.88% |
| 47-0000-0007 | 6.59 | 16.99% | 1.10 | 2.83% |
| 19-0000-0006 | 6.33 | 29.34% | 1.35 | 6.23% |
| 28-0000-0002 | 6.30 | 27.74% | 1.12 | 4.93% |
| 18-0000-0007 | 6.28 | 17.29% | 2.10 | 5.78% |
| 17-0000-0014 | 6.09 | 27.82% | 1.26 | 5.76% |
| 34-0000-0014 | 6.08 | 31.49% | 3.62 | 18.75% |
| 18-0000-0010 | 6.01 | 46.89% | 1.52 | 11.83% |
| 26-0000-0010 | 5.90 | 13.04% | 0.78 | 1.72% |
| 34-0000-0009 | 5.69 | 41.51% | 1.23 | 9.00% |
| 20-0000-0022 | 5.61 | 43.29% | 1.19 | 9.16% |
| 42-0000-0005 | 5.35 | 28.99% | 1.38 | 7.50% |
| Unresolved | 5.24 | 75.90% | 2.99 | 43.37% |
| 42-0000-0004 | 5.14 | 17.84% | 0.78 | 2.70% |
| 53-0000-0008 | 5.09 | 35.14% | 1.06 | 7.29% |
| 07-0000-0001 | 5.05 | 25.52% | 0.72 | 3.66% |
| Unresolved206 | 5.03 | 41.41% | 1.51 | 12.44% |
| 31-0000-0001 | 5.02 | 9.88% | 0.52 | 1.01% |
| Unresolved20 | 5.00 | 36.84% | 0.92 | 6.80% |
| 53-0000-0014 | 4.94 | 25.31% | 0.92 | 4.70% |
| 13-0000-0003 | 4.91 | 26.18% | 0.91 | 4.84% |
| 40-0000-0004 | 4.89 | 34.21% | 0.87 | 6.07% |
| 18-0000-0004 | 4.72 | 25.23% | 0.76 | 4.07% |
| Unresolved248 | 4.71 | 19.60% | 0.64 | 2.67% |
| 27-0000-0011 | 4.60 | 32.39% | 1.12 | 7.88% |
| 34-0000-0001 | 4.52 | 58.50% | 1.28 | 16.60% |
| 17-0000-0011 | 4.51 | 16.34% | 0.65 | 2.35% |
| 25-0000-0005 | 4.47 | 32.83% | 0.92 | 6.76% |
| 32-0000-0004 | 4.47 | 19.25% | 0.63 | 2.71% |
| 28-0000-0006 | 4.44 | 37.45% | 1.79 | 15.09% |
| 48-0000-0003 | 4.41 | 28.85% | 0.93 | 6.06% |
| 26-0000-0023 | 4.37 | 23.52% | 0.87 | 4.69% |
| 53-0000-0012 | 4.35 | 39.16% | 1.27 | 11.40% |
| Unresolved223 | 4.28 | 71.83% | 1.82 | 30.51% |
| 05-0000-0004 | 4.27 | 16.51% | 0.49 | 1.91% |
| 53-0000-0003 | 4.18 | 36.28% | 0.92 | 7.99% |
| 46-0000-0010 | 4.17 | 43.11% | 1.16 | 11.96% |
| 04-0000-0002 | 4.15 | 11.85% | 0.33 | 0.96% |
| 56-0000-0004 | 4.13 | 26.29% | 0.51 | 3.21% |
| 09-0000-0001 | 4.07 | 16.13% | 0.67 | 2.64% |
| 02-0000-0004 | 4.07 | 20.95% | 0.91 | 4.70% |
| 41-0000-0004 | 3.98 | 37.54% | 0.80 | 7.58% |
| 46-0000-0009 | 3.79 | 79.00% | 1.84 | 38.29% |
| 53-0000-0011 | 3.78 | 34.24% | 0.95 | 8.65% |
| Unresolved123 | 3.77 | 46.39% | 0.82 | 10.10% |
| 25-0000-0010 | 3.66 | 35.94% | 0.92 | 8.99% |
| 12-0000-0003 | 3.65 | 12.22% | 0.70 | 2.33% |
| Unresolved229 | 3.59 | 24.46% | 0.53 | 3.64% |
| 19-0000-0008 | 3.55 | 36.34% | 0.65 | 6.64% |
| Unresolved31 | 3.52 | 33.81% | 0.84 | 8.07% |
| Unresolved244 | 3.51 | 65.48% | 2.00 | 37.24% |
| Unresolved218 | 3.50 | 23.74% | 0.51 | 3.45% |
| 34-0000-0013 | 3.46 | 40.20% | 2.39 | 27.78% |
| Unresolved264 | 3.46 | 55.77% | 0.86 | 13.86% |
| 26-0000-0018 | 3.42 | 55.96% | 0.99 | 16.26% |
| 20-0000-0024 | 3.34 | 38.03% | 0.78 | 8.90% |
| 20-0000-0008 | 3.32 | 30.49% | 0.86 | 7.93% |
| 51-0000-0001 | 3.24 | 29.19% | 0.85 | 7.64% |
| 40-0000-0003 | 3.22 | 33.13% | 0.53 | 5.42% |
| 17-0000-0002 | 3.18 | 19.95% | 0.56 | 3.50% |
| 34-0000-0018 | 3.16 | 32.26% | 0.74 | 7.54% |
| Unresolved9 | 3.16 | 12.95% | 0.28 | 1.15% |
| 36-0000-0002 | 3.15 | 23.04% | 0.59 | 4.30% |
| 35-0000-0001 | 3.15 | 30.72% | 0.69 | 6.71% |
| 52-0000-0002 | 3.14 | 27.72% | 0.75 | 6.58% |
| 46-0000-0008 | 3.10 | 37.45% | 0.88 | 10.60% |
| 43-0000-0001 | 3.07 | 7.64% | 0.16 | 0.41% |
| 53-0000-0004 | 3.06 | 32.25% | 1.04 | 11.00% |
| 33-0000-0002 | 3.05 | 41.04% | 0.73 | 9.84% |
| Unresolved14 | 3.02 | 47.38% | 0.56 | 8.77% |
| 14-0000-0002 | 2.99 | 36.23% | 0.56 | 6.81% |
| 34-0000-0010 | 2.97 | 16.26% | 0.54 | 2.96% |
| 57-0000-0001 | 2.93 | 63.92% | 1.43 | 31.20% |
| 29-0000-0004 | 2.93 | 31.92% | 1.65 | 18.01% |
| 34-0000-0005 | 2.90 | 39.27% | 0.92 | 12.49% |
| Unresolved288 | 2.90 | 73.47% | 1.53 | 38.81% |
| 31-0000-0004 | 2.89 | 33.06% | 0.76 | 8.66% |
| 06-0000-0001 | 2.86 | 23.67% | 0.41 | 3.42% |
| Unresolved251 | 2.85 | 15.30% | 0.40 | 2.14% |
| Unresolved106 | 2.85 | 34.39% | 0.72 | 8.71% |
| 26-0000-0005 | 2.82 | 32.56% | 0.73 | 8.47% |
| 10-0000-0006 | 2.77 | 21.66% | 0.40 | 3.14% |
| Unresolved217 | 2.77 | 47.70% | 1.19 | 20.55% |
| 41-0000-0001 | 2.77 | 29.41% | 0.95 | 10.05% |
| 25-0000-0012 | 2.75 | 29.58% | 0.43 | 4.63% |
| 42-0000-0002 | 2.75 | 28.64% | 0.52 | 5.45% |
| 20-0000-0011 | 2.75 | 42.56% | 0.77 | 11.87% |
| Unresolved205 | 2.74 | 53.90% | 0.87 | 17.15% |
| 12-0000-0007 | 2.72 | 20.52% | 0.64 | 4.84% |
| 12-0000-0011 | 2.72 | 28.86% | 0.54 | 5.70% |
| 12-0000-0012 | 2.71 | 6.59% | 0.20 | 0.48% |
| Unresolved219 | 2.62 | 24.87% | 0.74 | 7.07% |
| 20-0000-0010 | 2.60 | 46.31% | 0.73 | 12.96% |
| 33-0000-0012 | 2.60 | 60.66% | 1.10 | 25.61% |
| Unresolved216 | 2.58 | 36.81% | 1.23 | 17.59% |
| 20-0000-0001 | 2.55 | 60.08% | 2.18 | 51.55% |
| 48-0000-0002 | 2.52 | 18.18% | 0.49 | 3.56% |
| 40-0000-0006 | 2.50 | 30.42% | 0.72 | 8.75% |
| Unresolved226 | 2.46 | 18.98% | 0.34 | 2.62% |
| 18-0000-0003 | 2.46 | 23.69% | 0.46 | 4.48% |
| Unresolved287 | 2.45 | 16.24% | 0.32 | 2.11% |
| 39-0000-0004 | 2.42 | 27.36% | 0.51 | 5.75% |
| 17-0000-0022 | 2.40 | 17.48% | 0.26 | 1.86% |
| 09-0000-0005 | 2.38 | 8.56% | 0.33 | 1.18% |
| 17-0000-0024 | 2.34 | 29.50% | 0.55 | 6.92% |
| 41-0000-0003 | 2.31 | 40.96% | 0.65 | 11.48% |
| 14-0000-0003 | 2.31 | 23.38% | 0.36 | 3.60% |
| 18-0000-0006 | 2.30 | 28.61% | 0.53 | 6.66% |
| 39-0000-0002 | 2.29 | 20.18% | 0.37 | 3.24% |
| 27-0000-0020 | 2.28 | 63.29% | 1.23 | 34.24% |
| 33-0000-0004 | 2.27 | 23.06% | 0.37 | 3.73% |
| Unresolved255 | 2.27 | 7.70% | 0.36 | 1.22% |
| 25-0000-0008 | 2.27 | 25.09% | 0.46 | 5.13% |
| 19-0000-0001 | 2.26 | 14.98% | 0.37 | 2.47% |
| 26-0000-0013 | 2.24 | 23.39% | 0.56 | 5.80% |
| 17-0000-0023 | 2.20 | 23.22% | 0.35 | 3.71% |
| 34-0000-0008 | 2.11 | 34.94% | 0.55 | 9.09% |
| 32-0000-0009 | 2.10 | 19.82% | 0.38 | 3.62% |
| 40-0000-0002 | 2.05 | 26.28% | 0.39 | 5.05% |
| 46-0000-0006 | 2.04 | 86.37% | 0.90 | 37.96% |
| 12-0000-0002 | 2.03 | 32.15% | 0.51 | 8.07% |
| 19-0000-0009 | 2.02 | 31.15% | 0.39 | 5.96% |
| 55-0000-0004 | 2.00 | 28.54% | 0.34 | 4.90% |
| 25-0000-0016 | 1.99 | 28.95% | 0.44 | 6.44% |
| 28-0000-0005 | 1.98 | 34.08% | 0.33 | 5.62% |
| 47-0000-0003 | 1.95 | 19.21% | 0.29 | 2.82% |
| 28-0000-0007 | 1.94 | 35.37% | 0.63 | 11.40% |
| Unresolved13 | 1.93 | 28.07% | 0.59 | 8.66% |
| 47-0000-0008 | 1.92 | 36.31% | 0.71 | 13.43% |
| 27-0000-0004 | 1.90 | 37.35% | 0.51 | 9.98% |
| 33-0000-0003 | 1.87 | 28.51% | 0.40 | 6.11% |
| 10-0000-0005 | 1.86 | 19.97% | 0.28 | 3.05% |
| Unresolved270 | 1.84 | 49.64% | 0.49 | 13.22% |
| 24-0000-0014 | 1.83 | 16.75% | 0.29 | 2.69% |
| 19-0000-0003 | 1.82 | 33.91% | 0.41 | 7.64% |
| 13-0000-0004 | 1.81 | 21.55% | 0.28 | 3.31% |
| 53-0000-0015 | 1.76 | 40.89% | 0.50 | 11.70% |
| Unresolved284 | 1.76 | 20.96% | 0.31 | 3.73% |
| 28-0000-0012b | 1.75 | 37.82% | 0.38 | 8.14% |
| Unresolved25 | 1.75 | 71.57% | 0.52 | 21.27% |
| 20-0000-0009 | 1.73 | 20.54% | 0.25 | 2.99% |
| 29-0000-0003 | 1.72 | 37.23% | 0.42 | 8.97% |
| 32-0000-0003 | 1.67 | 20.43% | 0.61 | 7.49% |
| 28-0000-0014 | 1.63 | 30.50% | 0.33 | 6.11% |
| Unresolved289 | 1.63 | 81.99% | 0.94 | 47.49% |
| 31-0000-0003 | 1.62 | 26.65% | 0.48 | 7.83% |
| 53-0000-0009 | 1.61 | 39.75% | 0.51 | 12.65% |
| 39-0000-0001 | 1.60 | 31.24% | 0.43 | 8.40% |
| 18-0000-0005 | 1.60 | 31.55% | 0.40 | 7.80% |
| 34-0000-0006 | 1.60 | 36.17% | 0.52 | 11.70% |
| 33-0000-0007 | 1.57 | 50.97% | 0.82 | 26.61% |
| 34-0000-0011 | 1.57 | 16.99% | 0.24 | 2.65% |
| 19-0000-0007 | 1.55 | 25.44% | 0.34 | 5.64% |
| 12-0000-0005 | 1.54 | 23.28% | 0.46 | 6.98% |
| Unresolved242 | 1.54 | 37.01% | 0.52 | 12.62% |
| 20-0000-0004 | 1.53 | 29.46% | 0.56 | 10.73% |
| 14-0000-0001 | 1.51 | 35.48% | 0.39 | 9.11% |
| 29-0000-0005 | 1.50 | 39.13% | 0.35 | 9.25% |
| 04-0000-0004 | 1.49 | 11.43% | 0.16 | 1.24% |
| 26-0000-0019 | 1.49 | 47.74% | 0.53 | 17.00% |
| 24-0000-0013 | 1.46 | 10.90% | 0.22 | 1.64% |
| 26-0000-0006 | 1.45 | 24.91% | 0.31 | 5.36% |
| 12-0000-0019 | 1.43 | 32.44% | 0.37 | 8.44% |
| 32-0000-0001 | 1.43 | 21.65% | 0.33 | 4.97% |
| 56-0000-0007 | 1.43 | 41.19% | 0.39 | 11.32% |
| Unresolved21 | 1.42 | 64.93% | 1.05 | 47.66% |
| 18-0000-0009 | 1.42 | 24.31% | 0.28 | 4.80% |
| 26-0000-0015 | 1.41 | 29.54% | 0.35 | 7.26% |
| 56-0000-0006 | 1.40 | 26.86% | 0.42 | 8.12% |
| 18-0000-0002 | 1.40 | 36.65% | 0.26 | 6.89% |
| 20-0000-0017 | 1.40 | 28.93% | 0.37 | 7.58% |
| Unresolved257 | 1.39 | 24.84% | 0.27 | 4.82% |
| Unresolved17 | 1.38 | 27.01% | 0.41 | 8.09% |
| 52-0000-0001 | 1.38 | 40.03% | 0.41 | 11.99% |
| Unresolved211 | 1.37 | 41.78% | 0.47 | 14.19% |
| 16-0000-0001 | 1.37 | 16.02% | 0.22 | 2.57% |
| 42-0000-0008 | 1.35 | 32.79% | 0.37 | 8.94% |
| 53-0000-0007 | 1.35 | 28.56% | 0.39 | 8.21% |
| 47-0000-0006 | 1.32 | 26.67% | 0.53 | 10.71% |
| 40-0000-0007 | 1.32 | 41.56% | 0.42 | 13.26% |
| Unresolved243 | 1.32 | 36.76% | 0.45 | 12.61% |
| 19-0000-0004 | 1.32 | 37.36% | 0.31 | 8.77% |
| 26-0000-0017 | 1.30 | 43.61% | 0.61 | 20.28% |
| 17-0000-0007 | 1.30 | 19.37% | 0.21 | 3.13% |
| 26-0000-0022 | 1.27 | 58.16% | 0.69 | 31.76% |
| Unresolved277 | 1.26 | 30.17% | 0.33 | 8.01% |
| Unresolved250 | 1.24 | 10.28% | 0.11 | 0.90% |
| 26-0000-0026 | 1.23 | 59.88% | 0.67 | 32.71% |
| 32-0000-0010 | 1.23 | 27.05% | 0.45 | 9.81% |
| Unresolved15 | 1.23 | 16.28% | 0.22 | 2.90% |
| 10-0000-0007 | 1.20 | 41.17% | 0.52 | 17.77% |
| 12-0000-0016 | 1.20 | 30.47% | 0.39 | 9.94% |
| 26-0000-0004 | 1.20 | 18.55% | 0.20 | 3.05% |
| 20-0000-0019 | 1.18 | 39.26% | 0.42 | 13.93% |
| Unresolved239 | 1.17 | 21.36% | 0.31 | 5.73% |
| 12-0000-0008 | 1.16 | 19.09% | 0.24 | 3.91% |
| 02-0000-0001 | 1.16 | 39.68% | 0.51 | 17.38% |
| 20-0000-0021 | 1.13 | 40.35% | 0.27 | 9.64% |
| 56-0000-0001 | 1.12 | 36.24% | 0.34 | 11.06% |
| 42-0000-0006 | 1.10 | 28.28% | 0.33 | 8.46% |
| Unresolved269 | 1.07 | 35.82% | 0.36 | 12.03% |
| 34-0000-0019 | 1.07 | 24.26% | 0.33 | 7.49% |
| Unresolved273 | 1.05 | 46.46% | 0.49 | 21.82% |
| 20-0000-0017a | 1.05 | 57.80% | 0.50 | 27.63% |
| 53-0000-0005 | 1.05 | 34.13% | 0.36 | 11.72% |
| 14-0000-0008 | 1.04 | 44.87% | 0.28 | 11.98% |
| 17-0000-0008 | 1.04 | 28.11% | 0.21 | 5.57% |
| 20-0000-0003 | 1.04 | 70.25% | 0.45 | 30.04% |
| 01-0000-0001 | 1.04 | 31.89% | 0.45 | 13.89% |
| 53-0000-0013 | 1.04 | 47.37% | 0.42 | 19.33% |
| Unresolved16 | 1.03 | 34.52% | 0.31 | 10.53% |
| Unresolved261 | 1.02 | 69.88% | 0.39 | 26.40% |
| 28-0000-0004 | 1.02 | 23.11% | 0.26 | 5.97% |
| 34-0000-0015 | 1.01 | 35.48% | 0.29 | 10.28% |
| Unresolved258 | 1.01 | 59.46% | 0.32 | 18.85% |
| 06-0000-0002 | 1.01 | 30.83% | 0.33 | 10.01% |
| Unresolved1 | 1.01 | 18.73% | 0.23 | 4.20% |
| 08-0000-0001 | 1.01 | 36.60% | 0.23 | 8.28% |
| 25-0000-0006 | 1.01 | 67.26% | 0.38 | 25.12% |
| Unresolved276 | 0.98 | 44.90% | 0.31 | 14.30% |
| Unresolved10 | 0.98 | 25.28% | 0.21 | 5.53% |
| 42-0000-0007 | 0.96 | 44.96% | 0.44 | 20.65% |
| 08-0000-0005 | 0.95 | 45.51% | 0.41 | 19.37% |
| Unresolved260 | 0.95 | 30.04% | 0.28 | 9.00% |
| 55-0000-0006 | 0.94 | 32.65% | 0.27 | 9.29% |
| 16-0000-0004 | 0.94 | 35.31% | 0.21 | 7.78% |
| 24-0000-0002 | 0.94 | 31.15% | 0.31 | 10.31% |
| 40-0000-0008 | 0.93 | 42.56% | 0.31 | 14.30% |
| Unresolved286 | 0.93 | 28.59% | 0.34 | 10.58% |
| Unresolved237 | 0.93 | 25.95% | 0.30 | 8.27% |
| 18-0000-0001 | 0.92 | 33.09% | 0.29 | 10.38% |
| 33-0000-0014 | 0.92 | 32.81% | 0.29 | 10.31% |
| 27-0000-0010 | 0.92 | 49.96% | 0.34 | 18.56% |
| 53-0000-0016 | 0.91 | 48.94% | 0.37 | 19.76% |
| 47-0000-0001 | 0.90 | 22.59% | 0.20 | 4.99% |
| Unresolved107 | 0.90 | 52.60% | 0.38 | 22.12% |
| 33-0000-0009 | 0.89 | 55.54% | 0.42 | 26.62% |
| 33-0000-0013 | 0.88 | 47.57% | 0.30 | 16.23% |
| 53-0000-0001 | 0.88 | 47.42% | 0.36 | 19.30% |
| 55-0000-0007 | 0.88 | 25.15% | 0.16 | 4.49% |
| 18-0000-0011 | 0.85 | 14.90% | 0.13 | 2.30% |
| Unresolved18 | 0.85 | 41.20% | 0.31 | 14.95% |
| 53-0000-0006 | 0.85 | 45.53% | 0.47 | 25.31% |
| 33-0000-0010 | 0.84 | 44.64% | 0.26 | 13.66% |
| 34-0000-0004 | 0.83 | 49.94% | 0.39 | 23.40% |
| 20-0000-0016 | 0.83 | 28.92% | 0.19 | 6.52% |
| 24-0000-0008 | 0.83 | 2.52% | 0.07 | 0.22% |
| 12-0000-0014 | 0.83 | 36.74% | 0.29 | 13.02% |
| Unresolved252 | 0.82 | 45.78% | 0.25 | 13.94% |
| 55-0000-0003 | 0.82 | 26.02% | 0.23 | 7.19% |
| 24-0000-0010 | 0.81 | 22.50% | 0.25 | 6.99% |
| Unresolved246 | 0.81 | 53.72% | 0.34 | 22.61% |
| 12-0000-0015 | 0.80 | 52.45% | 0.26 | 17.01% |
| 09-0000-0006 | 0.80 | 37.77% | 0.35 | 16.35% |
| 25-0000-0014 | 0.79 | 47.28% | 0.37 | 22.39% |
| 32-0000-0005 | 0.78 | 65.93% | 0.53 | 44.90% |
| 27-0000-0006 | 0.78 | 73.22% | 0.49 | 46.05% |
| 10-0000-0002 | 0.75 | 19.17% | 0.15 | 3.88% |
| 12-0000-0017 | 0.74 | 10.34% | 0.11 | 1.56% |
| Unresolved209 | 0.74 | 47.38% | 0.30 | 19.11% |
| 47-0000-0002 | 0.73 | 31.58% | 0.20 | 8.66% |
| Unresolved285 | 0.73 | 41.03% | 0.37 | 21.03% |
| 56-0000-0008 | 0.73 | 38.37% | 0.29 | 15.41% |
| 53-0000-0002 | 0.73 | 20.91% | 0.19 | 5.39% |
| 16-0000-0003 | 0.72 | 28.12% | 0.31 | 11.91% |
| 17-0000-0017 | 0.72 | 32.75% | 0.18 | 8.15% |
| 51-0000-0003 | 0.71 | 31.58% | 0.31 | 13.92% |
| 32-0000-0002 | 0.71 | 34.88% | 0.24 | 12.05% |
| 17-0000-0005 | 0.71 | 31.19% | 0.26 | 11.37% |
| 48-0000-0001 | 0.70 | 15.31% | 0.08 | 1.76% |
| 29-0000-0001 | 0.70 | 29.52% | 0.14 | 5.77% |
| 17-0000-0004 | 0.69 | 37.99% | 0.31 | 17.06% |
| 14-0000-0004 | 0.69 | 31.86% | 0.26 | 11.95% |
| 26-0000-0007 | 0.69 | 49.35% | 0.38 | 27.22% |
| 26-0000-0011 | 0.69 | 40.01% | 0.26 | 15.35% |
| 26-0000-0008 | 0.69 | 24.76% | 0.17 | 6.31% |
| 51-0000-0002 | 0.68 | 70.35% | 0.39 | 39.74% |
| 17-0000-0021 | 0.68 | 30.69% | 0.16 | 7.17% |
| 10-0000-0004 | 0.68 | 14.62% | 0.10 | 2.22% |
| Unresolved247 | 0.67 | 37.28% | 0.31 | 17.10% |
| 26-0000-0016 | 0.67 | 54.47% | 0.29 | 23.35% |
| 33-0000-0016 | 0.67 | 35.25% | 0.20 | 10.57% |
| 12-0000-0020 | 0.67 | 28.78% | 0.17 | 7.26% |
| 14-0000-0005 | 0.66 | 47.65% | 0.31 | 22.32% |
| 47-0000-0005 | 0.65 | 35.53% | 0.25 | 13.82% |
| Unresolved222 | 0.64 | 36.49% | 0.19 | 10.90% |
| 12-0000-0021 | 0.64 | 45.07% | 0.33 | 23.32% |
| 24-0000-0011 | 0.63 | 26.94% | 0.23 | 9.78% |
| 26-0000-0021 | 0.62 | 61.68% | 0.47 | 46.43% |
| 04-0000-0003 | 0.62 | 20.82% | 0.13 | 4.53% |
| 17-0000-0019 | 0.62 | 49.38% | 0.20 | 16.23% |
| 12-0000-0001 | 0.60 | 27.81% | 0.15 | 7.07% |
| 54-0000-0002 | 0.60 | 47.71% | 0.33 | 26.20% |
| Unresolved23 | 0.60 | 38.38% | 0.18 | 11.47% |
| 20-0000-0014 | 0.59 | 48.72% | 0.28 | 22.99% |
| Unresolved274 | 0.58 | 53.35% | 0.32 | 29.79% |
| 25-0000-0009 | 0.57 | 39.88% | 0.31 | 21.39% |
| Unresolved245 | 0.57 | 53.42% | 0.28 | 26.43% |
| 26-0000-0009 | 0.57 | 38.42% | 0.26 | 17.19% |
| Unresolved129 | 0.56 | 41.41% | 0.24 | 17.33% |
| 09-0000-0009 | 0.56 | 13.55% | 0.10 | 2.38% |
| 16-0000-0002 | 0.56 | 64.28% | 0.43 | 50.21% |
| 40-0000-0001 | 0.55 | 11.43% | 0.08 | 1.58% |
| 46-0000-0004 | 0.55 | 9.71% | 0.08 | 1.49% |
| 21-0000-0001 | 0.55 | 70.98% | 0.35 | 44.60% |
| 25-0000-0004 | 0.54 | 79.81% | 0.30 | 44.51% |
| 20-0000-0015 | 0.54 | 47.57% | 0.24 | 20.65% |
| Unresolved224 | 0.54 | 71.17% | 0.26 | 34.03% |
| 33-0000-0006 | 0.54 | 81.40% | 0.28 | 42.65% |
| 33-0000-0001 | 0.54 | 48.27% | 0.37 | 33.37% |
| 27-0000-0014 | 0.53 | 53.48% | 0.32 | 32.34% |
| 25-0000-0007 | 0.53 | 52.94% | 0.29 | 29.35% |
| 26-0000-0028 | 0.53 | 37.94% | 0.17 | 12.30% |
| 05-0000-0003 | 0.52 | 16.73% | 0.15 | 4.79% |
| Unresolved281 | 0.52 | 30.37% | 0.15 | 8.86% |
| Unresolved234 | 0.51 | 32.92% | 0.18 | 11.51% |
| Unresolved6 | 0.51 | 9.17% | 0.05 | 0.99% |
| 28-0000-0013a | 0.50 | 55.07% | 0.19 | 21.59% |
| Unresolved233 | 0.50 | 28.02% | 0.12 | 6.83% |
| 12-0000-0018 | 0.49 | 45.99% | 0.20 | 18.21% |
| 47-0000-0004 | 0.49 | 44.03% | 0.22 | 19.43% |
| 05-0000-0001 | 0.48 | 37.02% | 0.18 | 13.69% |
| 27-0000-0002 | 0.47 | 48.49% | 0.20 | 20.50% |
| Unresolved263 | 0.46 | 71.12% | 0.23 | 36.01% |
| 09-0000-0004 | 0.46 | 20.22% | 0.14 | 6.25% |
| 28-0000-0001 | 0.45 | 40.22% | 0.18 | 15.91% |
| 42-0000-0003 | 0.44 | 37.21% | 0.14 | 12.09% |
| 26-0000-0024 | 0.43 | 56.10% | 0.15 | 20.04% |
| 46-0000-0007 | 0.42 | 86.34% | 0.31 | 63.03% |
| 21-0000-0002 | 0.42 | 49.97% | 0.24 | 29.21% |
| Unresolved8 | 0.41 | 10.41% | 0.08 | 1.91% |
| 24-0000-0005 | 0.41 | 51.33% | 0.20 | 25.26% |
| 17-0000-0020 | 0.41 | 21.98% | 0.11 | 5.76% |
| 26-0000-0014 | 0.39 | 49.10% | 0.18 | 22.88% |
| 28-0000-0011 | 0.39 | 47.07% | 0.17 | 20.91% |
| 32-0000-0011 | 0.38 | 81.44% | 0.32 | 68.46% |
| 08-0000-0002 | 0.38 | 51.91% | 0.17 | 23.12% |
| 42-0000-0001 | 0.37 | 40.11% | 0.10 | 11.26% |
| Unresolved176 | 0.37 | 33.54% | 0.15 | 13.47% |
| 54-0000-0001 | 0.37 | 33.46% | 0.14 | 12.40% |
| 24-0000-0006 | 0.37 | 44.50% | 0.16 | 19.63% |
| Unresolved268 | 0.37 | 78.95% | 0.19 | 41.19% |
| 20-0000-0006 | 0.36 | 28.96% | 0.15 | 12.16% |
| 24-0000-0007 | 0.36 | 73.30% | 0.26 | 53.15% |
| 26-0000-0020 | 0.36 | 60.13% | 0.18 | 30.22% |
| 17-0000-0006 | 0.36 | 30.05% | 0.10 | 8.28% |
| Unresolved282 | 0.35 | 17.96% | 0.10 | 5.37% |
| 27-0000-0001 | 0.35 | 46.12% | 0.17 | 21.93% |
| 28-0000-0008 | 0.35 | 17.63% | 0.06 | 3.26% |
| 12-0000-0009 | 0.34 | 38.80% | 0.17 | 19.03% |
| 28-0000-0003 | 0.33 | 82.43% | 0.19 | 46.92% |
| 24-0000-0004 | 0.33 | 47.61% | 0.14 | 20.58% |
| 08-0000-0003 | 0.33 | 13.59% | 0.09 | 3.60% |
| 08-0000-0004 | 0.32 | 10.98% | 0.06 | 2.21% |
| 17-0000-0013 | 0.32 | 40.52% | 0.14 | 17.62% |
| Unresolved259 | 0.31 | 75.89% | 0.18 | 43.46% |
| Unresolved293 | 0.30 | 43.72% | 0.13 | 19.25% |
| Unresolved51 | 0.30 | 22.00% | 0.12 | 8.56% |
| Unresolved265 | 0.30 | 36.12% | 0.16 | 18.90% |
| 09-0000-0007 | 0.29 | 33.16% | 0.12 | 13.78% |
| Unresolved296 | 0.28 | 30.18% | 0.10 | 10.87% |
| 12-0000-0013 | 0.28 | 15.98% | 0.07 | 3.76% |
| 05-0000-0002 | 0.26 | 17.56% | 0.07 | 4.50% |
| Unresolved294 | 0.26 | 61.76% | 0.16 | 38.56% |
| Unresolved266 | 0.25 | 34.19% | 0.08 | 11.46% |
| 24-0000-0009 | 0.23 | 13.29% | 0.07 | 4.22% |
| 34-0000-0020 | 0.22 | 85.42% | 0.17 | 64.73% |
| 09-0000-0002 | 0.22 | 14.45% | 0.06 | 4.13% |
| 24-0000-0003 | 0.22 | 41.78% | 0.11 | 21.20% |
| 20-0000-0018 | 0.21 | 43.57% | 0.10 | 21.90% |
| 12-0000-0010 | 0.20 | 28.88% | 0.09 | 12.85% |
| 24-0000-0001 | 0.20 | 60.07% | 0.10 | 29.45% |
| 34-0000-0003 | 0.20 | 67.67% | 0.12 | 39.39% |
| 33-0000-0008 | 0.19 | 72.65% | 0.13 | 50.35% |
| 17-0000-0009 | 0.19 | 26.36% | 0.05 | 7.43% |
| 25-0000-0003 | 0.19 | 56.71% | 0.10 | 30.70% |
| Unresolved292 | 0.18 | 29.08% | 0.10 | 15.67% |
| 14-0000-0006 | 0.18 | 50.87% | 0.10 | 29.34% |
| 27-0000-0008 | 0.18 | 64.92% | 0.10 | 36.48% |
| 14-0000-0007 | 0.18 | 59.36% | 0.11 | 36.63% |
| 20-0000-0005 | 0.17 | 50.77% | 0.11 | 31.49% |
| 17-0000-0018 | 0.15 | 86.09% | 0.12 | 69.17% |
| 46-0000-0003 | 0.14 | 77.65% | 0.12 | 67.57% |
| Unresolved290 | 0.14 | 30.73% | 0.06 | 12.52% |
| 25-0000-0002 | 0.14 | 86.36% | 0.12 | 72.92% |
| 17-0000-0012 | 0.13 | 32.89% | 0.05 | 13.45% |
| 46-0000-0005 | 0.11 | 44.06% | 0.07 | 29.25% |
| Unresolved267 | 0.10 | 81.52% | 0.07 | 62.92% |
| 34-0000-0002 | 0.08 | 46.45% | 0.04 | 22.39% |
| Unresolved279 | 0.08 | 8.99% | 0.02 | 2.18% |
| 18-0000-0008 | 0.07 | 50.97% | 0.03 | 24.84% |
| 19-0000-0005 | 0.04 | 21.82% | 0.01 | 6.82% |
| Unresolved235 | 0.00 | 0.00% | 0.00 | 0.00% |
| Unresolved295 | 0.00 | 0.00% | 0.00 | 0.00% |

Table A-2. Impervious and DCIA Amounts for All Town Catchments in the Charles River Watershed, Sorted by Impervious Area

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Catchment Identifier | Impervious Area (Acres) | Percent Impervious | DCIA (Acres) | Percent DCIA |
| 45-0000-0002 | 3.82 | 14.27% | 0.52 | 1.93% |
| 38-0000-0001 | 3.52 | 21.06% | 0.69 | 4.11% |
| 38-0000-0006 | 2.58 | 17.82% | 0.53 | 3.69% |
| 44-0000-0008 | 2.92 | 21.79% | 0.51 | 3.83% |
| 55-0000-0002 | 1.60 | 19.45% | 0.24 | 2.97% |
| Unresolved256 | 1.88 | 13.27% | 0.28 | 1.94% |
| 45-0000-0003 | 1.49 | 17.16% | 0.35 | 4.04% |
| 44-0000-0004 | 1.88 | 30.21% | 0.44 | 7.06% |
| Unresolved262 | 1.83 | 39.19% | 0.58 | 12.37% |
| 39-0000-0003 | 1.39 | 22.67% | 0.36 | 5.93% |
| 45-0000-0001 | 1.35 | 25.54% | 0.37 | 7.08% |
| Unresolved227 | 1.51 | 38.80% | 0.72 | 18.49% |
| 55-0000-0001 | 1.00 | 26.67% | 0.23 | 6.16% |
| 31-0000-0006 | 0.99 | 0.00% | 0.14 | 0.00% |
| 38-0000-0002 | 0.94 | 41.24% | 0.36 | 15.77% |
| Unresolved240 | 0.80 | 40.60% | 0.42 | 21.12% |
| Unresolved225 | 0.84 | 27.05% | 0.20 | 6.57% |
| Unresolved238 | 0.71 | 34.75% | 0.23 | 11.33% |
| 38-0000-0003 | 0.62 | 12.67% | 0.11 | 2.18% |
| 44-0000-0006 | 0.69 | 36.94% | 0.19 | 10.25% |
| 38-0000-0005 | 0.62 | 27.63% | 0.22 | 9.79% |
| 44-0000-0001 | 0.61 | 23.98% | 0.17 | 6.60% |
| 44-0000-0009 | 0.44 | 32.71% | 0.15 | 11.36% |
| 44-0000-0003 | 0.44 | 43.51% | 0.14 | 14.24% |
| 44-0000-0005 | 0.45 | 56.03% | 0.20 | 24.87% |
| 44-0000-0002 | 0.40 | 35.65% | 0.18 | 16.38% |
| 38-0000-0004 | 0.28 | 34.68% | 0.15 | 18.54% |
| Unresolved241 | 0.25 | 32.66% | 0.09 | 11.98% |
| 38-0000-0007 | 0.20 | 27.54% | 0.08 | 10.95% |
| 44-0000-0007 | 0.12 | 35.03% | 0.05 | 16.20% |

Table A-3. Impervious and DCIA Amounts for All Town Catchments in the Taunton River Watershed, Sorted by Impervious Area

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Catchment Identifier | Impervious Area (Acres) | Percent Impervious | DCIA (Acres) | Percent DCIA |
| 58-0000-0002 | 2.25 | 36.74% | 0.67 | 10.91% |
| 58-0000-0003 | 0.89 | 9.57% | 0.13 | 1.43% |
| Unresolved291 | 0.32 | 14.07% | 0.07 | 3.16% |
| 58-0000-0001 | 0.29 | 51.55% | 0.14 | 24.76% |

**Appendix B: Estimated Phosphorus Loading Summary by Catchment**

Table B-1. Estimated Phosphorus Loading for All Town Catchments in the Neponset River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated P Load (Lbs/Yr) |
| 20-0000-0023 | 77.83 |
| 27-0000-0007 | 48.53 |
| 10-0000-0003 | 43.20 |
| Unresolved170 | 42.90 |
| 34-0000-0012 | 41.13 |
| 26-0000-0001 | 40.64 |
| 13-0000-0002 | 36.19 |
| 25-0000-0015 | 35.02 |
| 34-0000-0017 | 33.83 |
| Unresolved30 | 29.26 |
| 34-0000-0001a | 29.26 |
| 35-0000-0002 | 28.91 |
| 28-0000-0013 | 28.85 |
| Unresolved228 | 28.43 |
| 33-0000-0005 | 28.21 |
| 08-0000-0006 | 26.67 |
| 02-0000-0002 | 26.25 |
| Unresolved207 | 25.74 |
| 12-0000-0004 | 22.78 |
| 18-0000-0007 | 21.76 |
| 13-0000-0001 | 21.65 |
| 55-0000-0005 | 21.09 |
| 09-0000-0008 | 21.03 |
| 19-0000-0002 | 20.16 |
| 56-0000-0003 | 19.45 |
| 31-0000-0001 | 17.51 |
| 10-0000-0008 | 17.42 |
| 33-0000-0017 | 17.03 |
| 02-0000-0003 | 16.98 |
| 32-0000-0008 | 15.94 |
| 34-0000-0014 | 15.49 |
| 09-0000-0001 | 14.04 |
| 46-0000-0002 | 13.75 |
| 47-0000-0007 | 13.66 |
| 05-0000-0004 | 13.60 |
| 28-0000-0015 | 13.59 |
| 33-0000-0011 | 13.29 |
| 17-0000-0014 | 13.28 |
| 26-0000-0010 | 13.26 |
| 07-0000-0001 | 12.96 |
| 13-0000-0003 | 12.80 |
| 18-0000-0012 | 12.75 |
| 19-0000-0006 | 12.65 |
| 04-0000-0002 | 12.47 |
| 28-0000-0002 | 12.46 |
| 45-0000-0002 | 12.44 |
| Unresolved248 | 11.76 |
| 12-0000-0012 | 11.45 |
| 18-0000-0010 | 11.41 |
| 43-0000-0001 | 11.38 |
| 20-0000-0022 | 11.35 |
| 09-0000-0005 | 11.29 |
| 34-0000-0009 | 11.25 |
| 17-0000-0011 | 11.20 |
| 53-0000-0014 | 10.73 |
| Unresolved20 | 10.70 |
| 32-0000-0004 | 10.64 |
| 42-0000-0004 | 10.49 |
| 42-0000-0005 | 10.41 |
| 24-0000-0008 | 10.12 |
| 12-0000-0003 | 10.04 |
| 40-0000-0004 | 9.98 |
| 53-0000-0008 | 9.82 |
| Unresolved206 | 9.66 |
| 26-0000-0023 | 9.59 |
| 02-0000-0004 | 9.58 |
| 18-0000-0004 | 9.53 |
| 56-0000-0004 | 9.51 |
| Unresolved9 | 9.19 |
| 27-0000-0011 | 9.18 |
| Unresolved | 9.13 |
| 28-0000-0006 | 9.00 |
| 38-0000-0001 | 8.99 |
| 25-0000-0005 | 8.97 |
| 34-0000-0001 | 8.91 |
| 46-0000-0010 | 8.89 |
| 48-0000-0003 | 8.75 |
| Unresolved218 | 8.59 |
| Unresolved251 | 8.56 |
| 53-0000-0012 | 8.40 |
| 53-0000-0003 | 8.23 |
| 34-0000-0013 | 8.20 |
| Unresolved223 | 8.10 |
| 06-0000-0001 | 8.01 |
| 34-0000-0010 | 8.01 |
| Unresolved255 | 7.78 |
| 51-0000-0001 | 7.74 |
| 41-0000-0004 | 7.68 |
| 20-0000-0008 | 7.54 |
| 17-0000-0002 | 7.46 |
| 35-0000-0001 | 7.40 |
| Unresolved229 | 7.38 |
| 52-0000-0002 | 7.35 |
| Unresolved123 | 7.31 |
| 53-0000-0011 | 7.28 |
| 38-0000-0006 | 7.25 |
| 25-0000-0010 | 7.07 |
| Unresolved31 | 7.04 |
| 46-0000-0009 | 6.97 |
| 19-0000-0008 | 6.95 |
| 20-0000-0024 | 6.87 |
| 41-0000-0001 | 6.82 |
| Unresolved264 | 6.77 |
| 26-0000-0018 | 6.76 |
| 34-0000-0018 | 6.72 |
| 10-0000-0006 | 6.69 |
| 40-0000-0003 | 6.49 |
| 36-0000-0002 | 6.47 |
| 20-0000-0001 | 6.47 |
| 44-0000-0008 | 6.47 |
| 12-0000-0007 | 6.41 |
| 14-0000-0002 | 6.35 |
| Unresolved244 | 6.33 |
| 33-0000-0002 | 6.31 |
| 12-0000-0011 | 6.01 |
| 34-0000-0005 | 5.97 |
| Unresolved287 | 5.90 |
| 53-0000-0004 | 5.88 |
| Unresolved14 | 5.83 |
| 46-0000-0008 | 5.83 |
| Unresolved217 | 5.76 |
| Unresolved226 | 5.72 |
| 29-0000-0004 | 5.71 |
| 31-0000-0004 | 5.60 |
| 17-0000-0022 | 5.60 |
| 26-0000-0005 | 5.54 |
| 57-0000-0001 | 5.51 |
| 25-0000-0012 | 5.49 |
| 14-0000-0003 | 5.45 |
| 42-0000-0002 | 5.43 |
| Unresolved288 | 5.35 |
| Unresolved106 | 5.30 |
| 20-0000-0011 | 5.27 |
| Unresolved205 | 5.26 |
| 19-0000-0001 | 5.25 |
| 58-0000-0002 | 5.25 |
| 33-0000-0012 | 5.23 |
| 24-0000-0014 | 5.17 |
| Unresolved219 | 5.11 |
| 48-0000-0002 | 5.08 |
| 20-0000-0010 | 5.05 |
| 17-0000-0024 | 5.01 |
| 04-0000-0004 | 4.99 |
| 55-0000-0002 | 4.91 |
| 39-0000-0002 | 4.91 |
| 26-0000-0013 | 4.89 |
| 18-0000-0003 | 4.88 |
| 10-0000-0005 | 4.88 |
| 40-0000-0006 | 4.83 |
| Unresolved256 | 4.83 |
| 13-0000-0004 | 4.80 |
| 17-0000-0023 | 4.80 |
| 32-0000-0009 | 4.79 |
| Unresolved216 | 4.78 |
| 39-0000-0004 | 4.74 |
| 33-0000-0004 | 4.73 |
| 34-0000-0008 | 4.71 |
| 12-0000-0002 | 4.71 |
| 45-0000-0003 | 4.57 |
| 55-0000-0004 | 4.54 |
| 18-0000-0006 | 4.49 |
| 25-0000-0008 | 4.47 |
| 41-0000-0003 | 4.42 |
| 44-0000-0004 | 4.35 |
| 40-0000-0002 | 4.34 |
| 27-0000-0020 | 4.32 |
| 20-0000-0009 | 4.25 |
| Unresolved284 | 4.24 |
| Unresolved13 | 4.23 |
| 28-0000-0005 | 4.09 |
| 19-0000-0009 | 4.06 |
| 47-0000-0003 | 3.95 |
| 34-0000-0011 | 3.91 |
| 25-0000-0016 | 3.90 |
| Unresolved270 | 3.83 |
| 29-0000-0003 | 3.79 |
| 33-0000-0003 | 3.73 |
| 28-0000-0007 | 3.73 |
| 32-0000-0001 | 3.70 |
| 27-0000-0004 | 3.68 |
| 46-0000-0006 | 3.67 |
| 47-0000-0008 | 3.67 |
| Unresolved262 | 3.63 |
| 28-0000-0012b | 3.59 |
| 19-0000-0003 | 3.54 |
| 39-0000-0003 | 3.53 |
| 24-0000-0013 | 3.51 |
| 45-0000-0001 | 3.50 |
| 20-0000-0004 | 3.48 |
| 53-0000-0015 | 3.47 |
| 12-0000-0005 | 3.43 |
| Unresolved21 | 3.42 |
| 32-0000-0003 | 3.42 |
| 29-0000-0005 | 3.39 |
| 28-0000-0014 | 3.33 |
| 33-0000-0007 | 3.32 |
| 16-0000-0001 | 3.28 |
| 34-0000-0006 | 3.25 |
| Unresolved25 | 3.24 |
| 31-0000-0003 | 3.20 |
| 26-0000-0006 | 3.18 |
| 14-0000-0001 | 3.14 |
| 19-0000-0007 | 3.11 |
| 18-0000-0005 | 3.10 |
| 39-0000-0001 | 3.10 |
| 53-0000-0009 | 3.08 |
| Unresolved15 | 3.08 |
| 56-0000-0006 | 3.08 |
| Unresolved257 | 3.06 |
| Unresolved250 | 3.05 |
| 12-0000-0019 | 3.03 |
| 18-0000-0002 | 3.03 |
| 20-0000-0017 | 3.02 |
| Unresolved17 | 3.00 |
| Unresolved242 | 2.99 |
| Unresolved289 | 2.98 |
| 56-0000-0007 | 2.89 |
| Unresolved1 | 2.89 |
| Unresolved211 | 2.89 |
| 18-0000-0009 | 2.88 |
| Unresolved227 | 2.85 |
| 26-0000-0019 | 2.85 |
| 26-0000-0015 | 2.82 |
| 19-0000-0004 | 2.82 |
| 52-0000-0001 | 2.81 |
| 12-0000-0008 | 2.78 |
| Unresolved277 | 2.76 |
| 17-0000-0007 | 2.76 |
| 53-0000-0007 | 2.71 |
| 42-0000-0008 | 2.61 |
| 12-0000-0016 | 2.59 |
| 26-0000-0026 | 2.58 |
| 55-0000-0001 | 2.58 |
| 40-0000-0007 | 2.57 |
| 58-0000-0003 | 2.56 |
| 20-0000-0019 | 2.55 |
| Unresolved10 | 2.52 |
| Unresolved243 | 2.51 |
| 06-0000-0002 | 2.50 |
| 47-0000-0006 | 2.50 |
| 26-0000-0004 | 2.49 |
| 56-0000-0001 | 2.46 |
| 26-0000-0017 | 2.43 |
| 10-0000-0007 | 2.40 |
| 32-0000-0010 | 2.39 |
| 31-0000-0006 | 2.39 |
| 26-0000-0022 | 2.37 |
| 34-0000-0019 | 2.37 |
| 02-0000-0001 | 2.33 |
| 12-0000-0017 | 2.33 |
| Unresolved239 | 2.32 |
| Unresolved6 | 2.25 |
| 17-0000-0008 | 2.24 |
| 20-0000-0021 | 2.22 |
| Unresolved269 | 2.16 |
| 01-0000-0001 | 2.15 |
| 14-0000-0008 | 2.15 |
| 42-0000-0006 | 2.15 |
| Unresolved16 | 2.15 |
| 08-0000-0001 | 2.09 |
| 28-0000-0004 | 2.09 |
| 10-0000-0004 | 2.03 |
| 34-0000-0015 | 2.02 |
| 40-0000-0001 | 2.01 |
| 53-0000-0005 | 2.00 |
| 46-0000-0004 | 1.99 |
| 33-0000-0014 | 1.99 |
| Unresolved260 | 1.99 |
| 55-0000-0006 | 1.99 |
| Unresolved286 | 1.98 |
| 20-0000-0017a | 1.96 |
| 53-0000-0013 | 1.95 |
| Unresolved273 | 1.94 |
| 20-0000-0003 | 1.90 |
| 38-0000-0002 | 1.90 |
| 08-0000-0005 | 1.89 |
| Unresolved258 | 1.89 |
| Unresolved261 | 1.88 |
| 18-0000-0011 | 1.88 |
| Unresolved276 | 1.87 |
| Unresolved237 | 1.87 |
| 25-0000-0006 | 1.87 |
| 16-0000-0004 | 1.85 |
| 24-0000-0002 | 1.83 |
| 29-0000-0001 | 1.81 |
| 42-0000-0007 | 1.80 |
| Unresolved252 | 1.80 |
| 18-0000-0001 | 1.79 |
| 09-0000-0009 | 1.78 |
| 47-0000-0001 | 1.78 |
| Unresolved240 | 1.78 |
| 10-0000-0002 | 1.78 |
| 40-0000-0008 | 1.77 |
| 55-0000-0007 | 1.77 |
| 27-0000-0010 | 1.77 |
| 33-0000-0009 | 1.74 |
| 55-0000-0003 | 1.72 |
| 12-0000-0020 | 1.72 |
| 24-0000-0010 | 1.72 |
| 05-0000-0003 | 1.72 |
| 53-0000-0016 | 1.71 |
| 20-0000-0016 | 1.70 |
| 12-0000-0014 | 1.70 |
| 33-0000-0013 | 1.70 |
| 34-0000-0004 | 1.68 |
| Unresolved225 | 1.67 |
| Unresolved107 | 1.66 |
| 53-0000-0001 | 1.66 |
| 33-0000-0010 | 1.65 |
| 17-0000-0021 | 1.65 |
| Unresolved18 | 1.64 |
| Unresolved238 | 1.63 |
| 32-0000-0002 | 1.63 |
| 09-0000-0006 | 1.62 |
| 38-0000-0003 | 1.61 |
| 25-0000-0014 | 1.60 |
| 12-0000-0015 | 1.58 |
| 44-0000-0006 | 1.58 |
| 53-0000-0006 | 1.57 |
| Unresolved8 | 1.55 |
| 17-0000-0017 | 1.53 |
| 53-0000-0002 | 1.51 |
| Unresolved246 | 1.51 |
| 16-0000-0003 | 1.48 |
| Unresolved209 | 1.47 |
| 48-0000-0001 | 1.47 |
| 17-0000-0005 | 1.45 |
| 32-0000-0005 | 1.45 |
| Unresolved285 | 1.45 |
| 27-0000-0006 | 1.44 |
| 47-0000-0002 | 1.44 |
| 14-0000-0004 | 1.43 |
| 56-0000-0008 | 1.39 |
| 26-0000-0008 | 1.38 |
| 12-0000-0001 | 1.37 |
| 33-0000-0016 | 1.37 |
| 04-0000-0003 | 1.34 |
| 51-0000-0003 | 1.34 |
| 38-0000-0005 | 1.33 |
| 17-0000-0004 | 1.30 |
| 26-0000-0011 | 1.30 |
| 14-0000-0005 | 1.29 |
| Unresolved247 | 1.28 |
| 26-0000-0007 | 1.27 |
| 24-0000-0011 | 1.27 |
| 44-0000-0001 | 1.26 |
| Unresolved222 | 1.26 |
| 51-0000-0002 | 1.26 |
| 26-0000-0016 | 1.25 |
| 47-0000-0005 | 1.24 |
| 12-0000-0021 | 1.23 |
| 17-0000-0019 | 1.22 |
| Unresolved23 | 1.18 |
| 20-0000-0014 | 1.16 |
| Unresolved129 | 1.13 |
| 26-0000-0021 | 1.13 |
| Unresolved282 | 1.10 |
| 20-0000-0015 | 1.10 |
| 21-0000-0001 | 1.10 |
| Unresolved291 | 1.10 |
| 33-0000-0001 | 1.10 |
| 54-0000-0002 | 1.09 |
| 26-0000-0009 | 1.08 |
| Unresolved274 | 1.07 |
| Unresolved245 | 1.06 |
| 33-0000-0006 | 1.04 |
| 26-0000-0028 | 1.04 |
| 25-0000-0009 | 1.03 |
| Unresolved281 | 1.01 |
| 16-0000-0002 | 1.01 |
| Unresolved224 | 1.00 |
| 09-0000-0004 | 1.00 |
| Unresolved233 | 0.99 |
| 25-0000-0004 | 0.99 |
| Unresolved234 | 0.99 |
| 05-0000-0001 | 0.98 |
| 12-0000-0018 | 0.98 |
| 27-0000-0014 | 0.98 |
| 25-0000-0007 | 0.98 |
| 17-0000-0020 | 0.97 |
| 44-0000-0009 | 0.94 |
| 28-0000-0013a | 0.94 |
| 42-0000-0003 | 0.93 |
| 47-0000-0004 | 0.93 |
| 08-0000-0004 | 0.93 |
| 32-0000-0011 | 0.90 |
| 44-0000-0003 | 0.90 |
| 27-0000-0002 | 0.89 |
| 44-0000-0005 | 0.89 |
| 08-0000-0003 | 0.88 |
| 28-0000-0001 | 0.86 |
| 26-0000-0024 | 0.85 |
| 05-0000-0002 | 0.83 |
| Unresolved263 | 0.82 |
| 20-0000-0006 | 0.82 |
| 44-0000-0002 | 0.81 |
| 21-0000-0002 | 0.79 |
| 12-0000-0013 | 0.79 |
| Unresolved176 | 0.78 |
| 17-0000-0006 | 0.77 |
| 28-0000-0011 | 0.76 |
| 24-0000-0005 | 0.76 |
| 08-0000-0002 | 0.75 |
| 54-0000-0001 | 0.74 |
| 46-0000-0007 | 0.74 |
| 42-0000-0001 | 0.74 |
| Unresolved235 | 0.74 |
| 26-0000-0014 | 0.73 |
| 28-0000-0008 | 0.73 |
| 09-0000-0007 | 0.70 |
| 24-0000-0006 | 0.70 |
| Unresolved268 | 0.69 |
| 12-0000-0009 | 0.69 |
| 26-0000-0020 | 0.68 |
| Unresolved51 | 0.67 |
| 24-0000-0007 | 0.66 |
| 27-0000-0001 | 0.65 |
| 17-0000-0013 | 0.65 |
| 58-0000-0001 | 0.64 |
| 24-0000-0004 | 0.62 |
| 28-0000-0003 | 0.59 |
| Unresolved293 | 0.57 |
| Unresolved296 | 0.56 |
| Unresolved259 | 0.56 |
| Unresolved265 | 0.54 |
| 24-0000-0009 | 0.53 |
| 38-0000-0004 | 0.53 |
| Unresolved241 | 0.51 |
| Unresolved295 | 0.49 |
| Unresolved294 | 0.47 |
| Unresolved266 | 0.46 |
| 09-0000-0002 | 0.44 |
| 12-0000-0010 | 0.43 |
| 38-0000-0007 | 0.42 |
| 20-0000-0018 | 0.41 |
| 24-0000-0003 | 0.40 |
| 34-0000-0020 | 0.40 |
| 17-0000-0009 | 0.39 |
| 33-0000-0008 | 0.37 |
| 25-0000-0003 | 0.37 |
| 34-0000-0003 | 0.37 |
| 24-0000-0001 | 0.37 |
| Unresolved290 | 0.36 |
| Unresolved292 | 0.36 |
| 14-0000-0006 | 0.36 |
| 27-0000-0008 | 0.35 |
| 14-0000-0007 | 0.33 |
| 20-0000-0005 | 0.33 |
| 17-0000-0012 | 0.29 |
| 17-0000-0018 | 0.28 |
| 46-0000-0003 | 0.26 |
| 25-0000-0002 | 0.25 |
| 44-0000-0007 | 0.24 |
| Unresolved279 | 0.21 |
| Unresolved267 | 0.19 |
| 46-0000-0005 | 0.17 |
| 34-0000-0002 | 0.17 |
| 18-0000-0008 | 0.14 |
| 19-0000-0005 | 0.09 |

Table B-2. Estimated Phosphorus Loading for All Town Catchments in the Charles River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated P Load (Lbs/Yr) |
| 45-0000-0002 | 12.44 |
| 38-0000-0001 | 8.99 |
| 38-0000-0006 | 7.25 |
| 44-0000-0008 | 6.47 |
| 55-0000-0002 | 4.91 |
| Unresolved256 | 4.83 |
| 45-0000-0003 | 4.57 |
| 44-0000-0004 | 4.35 |
| Unresolved262 | 3.63 |
| 39-0000-0003 | 3.53 |
| 45-0000-0001 | 3.50 |
| Unresolved227 | 2.85 |
| 55-0000-0001 | 2.58 |
| 31-0000-0006 | 2.39 |
| 38-0000-0002 | 1.90 |
| Unresolved240 | 1.78 |
| Unresolved225 | 1.67 |
| Unresolved238 | 1.63 |
| 38-0000-0003 | 1.61 |
| 44-0000-0006 | 1.58 |
| 38-0000-0005 | 1.33 |
| 44-0000-0001 | 1.26 |
| 44-0000-0009 | 0.94 |
| 44-0000-0003 | 0.90 |
| 44-0000-0005 | 0.89 |
| 44-0000-0002 | 0.81 |
| 38-0000-0004 | 0.53 |
| Unresolved241 | 0.51 |
| 38-0000-0007 | 0.42 |
| 44-0000-0007 | 0.24 |

Table B-3. Estimated Phosphorus Loading for All Town Catchments in the Taunton River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated P Load (Lbs/Yr) |
| 58-0000-0002 | 5.25 |
| 58-0000-0003 | 2.56 |
| Unresolved291 | 1.10 |
| 58-0000-0001 | 0.64 |

**Appendix C: Estimated Nitrogen Loading Summary by Catchment**

Table C-1. Estimated Nitrogen Loading for All Catchments in the Neponset River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated N Load (Lbs/Yr) |
| 20-0000-0023 | 617.49 |
| 27-0000-0007 | 392.18 |
| 10-0000-0003 | 364.59 |
| 34-0000-0012 | 349.79 |
| Unresolved170 | 344.10 |
| 26-0000-0001 | 307.42 |
| 25-0000-0015 | 273.04 |
| 13-0000-0002 | 266.14 |
| 34-0000-0017 | 264.73 |
| 35-0000-0002 | 254.80 |
| 34-0000-0001a | 227.61 |
| 08-0000-0006 | 224.70 |
| 55-0000-0005 | 223.05 |
| 28-0000-0013 | 222.29 |
| Unresolved228 | 217.47 |
| 33-0000-0005 | 209.57 |
| Unresolved30 | 205.60 |
| Unresolved207 | 201.38 |
| 12-0000-0004 | 194.44 |
| 56-0000-0003 | 187.73 |
| 09-0000-0008 | 178.12 |
| 02-0000-0002 | 175.79 |
| 13-0000-0001 | 162.89 |
| 19-0000-0002 | 150.62 |
| 10-0000-0008 | 141.00 |
| 33-0000-0017 | 137.73 |
| 02-0000-0003 | 134.64 |
| 18-0000-0007 | 130.77 |
| 32-0000-0008 | 125.91 |
| 05-0000-0004 | 120.69 |
| 09-0000-0001 | 120.51 |
| 07-0000-0001 | 110.59 |
| 46-0000-0002 | 109.40 |
| 09-0000-0005 | 109.26 |
| 31-0000-0001 | 107.54 |
| 13-0000-0003 | 106.61 |
| 28-0000-0015 | 105.70 |
| 26-0000-0010 | 105.37 |
| 17-0000-0014 | 104.70 |
| 04-0000-0002 | 103.92 |
| 43-0000-0001 | 102.96 |
| 47-0000-0007 | 102.61 |
| Unresolved248 | 101.48 |
| 34-0000-0014 | 101.12 |
| 33-0000-0011 | 100.92 |
| 12-0000-0012 | 100.68 |
| 18-0000-0012 | 96.36 |
| 19-0000-0006 | 93.85 |
| 28-0000-0002 | 93.72 |
| 17-0000-0011 | 90.74 |
| 18-0000-0010 | 87.21 |
| 53-0000-0014 | 84.94 |
| 20-0000-0022 | 84.36 |
| 34-0000-0009 | 84.22 |
| 42-0000-0004 | 79.62 |
| 42-0000-0005 | 79.36 |
| Unresolved255 | 79.29 |
| Unresolved | 78.66 |
| 56-0000-0004 | 76.63 |
| Unresolved9 | 75.97 |
| 40-0000-0004 | 75.71 |
| 02-0000-0004 | 75.64 |
| 53-0000-0008 | 74.73 |
| Unresolved20 | 73.55 |
| 46-0000-0010 | 73.34 |
| Unresolved206 | 73.16 |
| 18-0000-0004 | 72.28 |
| Unresolved218 | 71.10 |
| Unresolved251 | 71.09 |
| 26-0000-0023 | 70.85 |
| 12-0000-0003 | 70.46 |
| 34-0000-0001 | 70.00 |
| 34-0000-0010 | 69.01 |
| 32-0000-0004 | 68.70 |
| 27-0000-0011 | 68.61 |
| 06-0000-0001 | 68.21 |
| 25-0000-0005 | 67.61 |
| 28-0000-0006 | 67.40 |
| 53-0000-0012 | 66.42 |
| 48-0000-0003 | 65.64 |
| 51-0000-0001 | 64.58 |
| Unresolved223 | 64.37 |
| 52-0000-0002 | 61.98 |
| 53-0000-0003 | 61.60 |
| 35-0000-0001 | 61.45 |
| 17-0000-0002 | 60.66 |
| 24-0000-0008 | 60.56 |
| 10-0000-0006 | 60.52 |
| 41-0000-0004 | 58.12 |
| Unresolved123 | 56.08 |
| Unresolved229 | 55.95 |
| 20-0000-0008 | 55.79 |
| 46-0000-0009 | 55.48 |
| 53-0000-0011 | 55.40 |
| Unresolved264 | 53.77 |
| 25-0000-0010 | 53.58 |
| Unresolved31 | 53.55 |
| 34-0000-0018 | 52.48 |
| 26-0000-0018 | 51.97 |
| 19-0000-0008 | 51.90 |
| 12-0000-0007 | 51.01 |
| 20-0000-0024 | 50.78 |
| Unresolved244 | 50.54 |
| 34-0000-0013 | 50.47 |
| 40-0000-0003 | 49.49 |
| 14-0000-0002 | 49.46 |
| 36-0000-0002 | 49.25 |
| 12-0000-0011 | 47.41 |
| Unresolved287 | 47.03 |
| Unresolved14 | 46.91 |
| Unresolved217 | 46.23 |
| 33-0000-0002 | 45.91 |
| 46-0000-0008 | 45.49 |
| 53-0000-0004 | 45.08 |
| 17-0000-0022 | 44.41 |
| 14-0000-0003 | 44.28 |
| 34-0000-0005 | 43.28 |
| 29-0000-0004 | 43.16 |
| Unresolved226 | 42.89 |
| 31-0000-0004 | 42.55 |
| Unresolved288 | 42.52 |
| 25-0000-0012 | 42.15 |
| 10-0000-0005 | 42.06 |
| 57-0000-0001 | 41.84 |
| 26-0000-0005 | 41.81 |
| Unresolved106 | 41.80 |
| 04-0000-0004 | 41.50 |
| 33-0000-0012 | 41.15 |
| 41-0000-0001 | 41.04 |
| 42-0000-0002 | 40.85 |
| Unresolved205 | 40.56 |
| 20-0000-0001 | 40.49 |
| 13-0000-0004 | 40.36 |
| 24-0000-0014 | 40.31 |
| 20-0000-0011 | 39.90 |
| 17-0000-0024 | 39.39 |
| 19-0000-0001 | 39.38 |
| Unresolved219 | 39.28 |
| 12-0000-0002 | 39.23 |
| 48-0000-0002 | 38.90 |
| 20-0000-0010 | 37.78 |
| Unresolved216 | 37.74 |
| 17-0000-0023 | 37.70 |
| 26-0000-0013 | 37.53 |
| 18-0000-0003 | 37.02 |
| 40-0000-0006 | 36.91 |
| 55-0000-0004 | 36.70 |
| 32-0000-0009 | 36.34 |
| 39-0000-0004 | 36.05 |
| 34-0000-0008 | 35.94 |
| 39-0000-0002 | 35.03 |
| 18-0000-0006 | 34.97 |
| Unresolved284 | 34.46 |
| 33-0000-0004 | 34.34 |
| 20-0000-0009 | 34.07 |
| 25-0000-0008 | 34.00 |
| 41-0000-0003 | 33.52 |
| Unresolved13 | 33.35 |
| 40-0000-0002 | 32.64 |
| 27-0000-0020 | 32.47 |
| 34-0000-0011 | 32.14 |
| 29-0000-0003 | 31.99 |
| 28-0000-0005 | 31.57 |
| 19-0000-0009 | 30.31 |
| Unresolved270 | 30.14 |
| 47-0000-0003 | 29.94 |
| 46-0000-0006 | 29.76 |
| 25-0000-0016 | 29.54 |
| 28-0000-0007 | 28.47 |
| 24-0000-0013 | 28.15 |
| 47-0000-0008 | 28.10 |
| 20-0000-0004 | 28.06 |
| 29-0000-0005 | 28.04 |
| 27-0000-0004 | 27.78 |
| 12-0000-0005 | 27.78 |
| 33-0000-0003 | 27.76 |
| 28-0000-0012b | 27.63 |
| 19-0000-0003 | 26.76 |
| 33-0000-0007 | 26.61 |
| 32-0000-0001 | 26.51 |
| 16-0000-0001 | 26.45 |
| 53-0000-0015 | 26.08 |
| Unresolved25 | 25.99 |
| 28-0000-0014 | 25.47 |
| 32-0000-0003 | 25.44 |
| Unresolved257 | 25.32 |
| 26-0000-0006 | 25.29 |
| 14-0000-0001 | 24.98 |
| Unresolved15 | 24.89 |
| 56-0000-0006 | 24.68 |
| Unresolved1 | 24.67 |
| 56-0000-0007 | 24.64 |
| 18-0000-0002 | 24.40 |
| 31-0000-0003 | 24.19 |
| 12-0000-0019 | 23.93 |
| Unresolved17 | 23.91 |
| 20-0000-0017 | 23.81 |
| 39-0000-0001 | 23.67 |
| Unresolved289 | 23.67 |
| 18-0000-0005 | 23.62 |
| 53-0000-0009 | 23.49 |
| 34-0000-0006 | 23.43 |
| Unresolved250 | 23.36 |
| 19-0000-0007 | 23.14 |
| Unresolved242 | 22.44 |
| 12-0000-0008 | 22.35 |
| 52-0000-0001 | 22.02 |
| Unresolved10 | 21.71 |
| Unresolved277 | 21.69 |
| 19-0000-0004 | 21.64 |
| 26-0000-0019 | 21.57 |
| Unresolved21 | 21.47 |
| 26-0000-0015 | 21.41 |
| 18-0000-0009 | 21.38 |
| 06-0000-0002 | 21.03 |
| 17-0000-0007 | 21.01 |
| 12-0000-0016 | 20.79 |
| Unresolved211 | 20.49 |
| 53-0000-0007 | 20.02 |
| 10-0000-0004 | 19.91 |
| 42-0000-0008 | 19.84 |
| 12-0000-0017 | 19.84 |
| Unresolved6 | 19.82 |
| 40-0000-0007 | 19.80 |
| 47-0000-0006 | 19.77 |
| 56-0000-0001 | 19.64 |
| 46-0000-0004 | 19.43 |
| Unresolved243 | 19.29 |
| 10-0000-0007 | 18.97 |
| 26-0000-0017 | 18.88 |
| 20-0000-0019 | 18.65 |
| 26-0000-0004 | 18.47 |
| 02-0000-0001 | 18.41 |
| 32-0000-0010 | 18.32 |
| 26-0000-0022 | 18.13 |
| Unresolved239 | 17.81 |
| 26-0000-0026 | 17.60 |
| 17-0000-0008 | 17.59 |
| 01-0000-0001 | 17.31 |
| 08-0000-0001 | 16.88 |
| Unresolved16 | 16.86 |
| 42-0000-0006 | 16.55 |
| 20-0000-0021 | 16.39 |
| 34-0000-0019 | 16.36 |
| 14-0000-0008 | 16.09 |
| Unresolved286 | 15.90 |
| Unresolved269 | 15.72 |
| 55-0000-0006 | 15.71 |
| Unresolved260 | 15.69 |
| 09-0000-0009 | 15.61 |
| Unresolved258 | 15.57 |
| 28-0000-0004 | 15.41 |
| 20-0000-0003 | 15.34 |
| 53-0000-0005 | 15.34 |
| 25-0000-0006 | 15.24 |
| Unresolved273 | 15.21 |
| 34-0000-0015 | 15.18 |
| 05-0000-0003 | 15.15 |
| 20-0000-0017a | 15.04 |
| 29-0000-0001 | 14.97 |
| 53-0000-0013 | 14.94 |
| Unresolved261 | 14.89 |
| 10-0000-0002 | 14.87 |
| 33-0000-0014 | 14.83 |
| 12-0000-0020 | 14.82 |
| 08-0000-0005 | 14.80 |
| 16-0000-0004 | 14.58 |
| Unresolved252 | 14.43 |
| Unresolved276 | 14.41 |
| 33-0000-0009 | 14.17 |
| 42-0000-0007 | 13.95 |
| 24-0000-0002 | 13.93 |
| Unresolved237 | 13.90 |
| 17-0000-0021 | 13.79 |
| 55-0000-0007 | 13.73 |
| 18-0000-0001 | 13.68 |
| 47-0000-0001 | 13.61 |
| 40-0000-0008 | 13.60 |
| 55-0000-0003 | 13.54 |
| 32-0000-0002 | 13.48 |
| 12-0000-0014 | 13.44 |
| 18-0000-0011 | 13.41 |
| 27-0000-0010 | 13.29 |
| Unresolved8 | 13.25 |
| Unresolved18 | 13.18 |
| 25-0000-0014 | 13.10 |
| 53-0000-0016 | 13.07 |
| 09-0000-0006 | 13.01 |
| Unresolved107 | 12.91 |
| 20-0000-0016 | 12.87 |
| 33-0000-0010 | 12.82 |
| 33-0000-0013 | 12.81 |
| 34-0000-0004 | 12.76 |
| 24-0000-0010 | 12.71 |
| 53-0000-0001 | 12.71 |
| 12-0000-0015 | 12.45 |
| 53-0000-0006 | 12.22 |
| 16-0000-0003 | 11.96 |
| 17-0000-0017 | 11.77 |
| 17-0000-0005 | 11.63 |
| Unresolved246 | 11.62 |
| Unresolved285 | 11.56 |
| 14-0000-0004 | 11.53 |
| 32-0000-0005 | 11.15 |
| Unresolved209 | 11.11 |
| 48-0000-0001 | 11.09 |
| 12-0000-0001 | 11.05 |
| 53-0000-0002 | 11.05 |
| 27-0000-0006 | 11.04 |
| 47-0000-0002 | 10.84 |
| 04-0000-0003 | 10.80 |
| 33-0000-0016 | 10.68 |
| 56-0000-0008 | 10.64 |
| 26-0000-0008 | 10.51 |
| 51-0000-0003 | 10.43 |
| 14-0000-0005 | 10.25 |
| 25-0000-0009 | 10.22 |
| 40-0000-0001 | 10.15 |
| 17-0000-0004 | 10.13 |
| 26-0000-0011 | 10.00 |
| 51-0000-0002 | 10.00 |
| 12-0000-0021 | 9.92 |
| 26-0000-0007 | 9.91 |
| Unresolved247 | 9.80 |
| Unresolved282 | 9.72 |
| 26-0000-0016 | 9.60 |
| 47-0000-0005 | 9.50 |
| 24-0000-0011 | 9.47 |
| 17-0000-0019 | 9.46 |
| Unresolved222 | 9.42 |
| 33-0000-0001 | 9.29 |
| Unresolved23 | 9.16 |
| 20-0000-0014 | 9.12 |
| Unresolved129 | 8.91 |
| 26-0000-0021 | 8.85 |
| 54-0000-0002 | 8.64 |
| Unresolved245 | 8.44 |
| 26-0000-0009 | 8.33 |
| Unresolved274 | 8.33 |
| 21-0000-0001 | 8.27 |
| 17-0000-0020 | 8.16 |
| 20-0000-0015 | 8.16 |
| 05-0000-0001 | 8.00 |
| 16-0000-0002 | 7.93 |
| 12-0000-0018 | 7.93 |
| 25-0000-0004 | 7.90 |
| Unresolved224 | 7.90 |
| 20-0000-0006 | 7.80 |
| 26-0000-0028 | 7.70 |
| Unresolved281 | 7.69 |
| 33-0000-0006 | 7.65 |
| 08-0000-0004 | 7.61 |
| 27-0000-0014 | 7.61 |
| 25-0000-0007 | 7.60 |
| Unresolved234 | 7.53 |
| 05-0000-0002 | 7.53 |
| Unresolved233 | 7.38 |
| 47-0000-0004 | 7.14 |
| 42-0000-0003 | 7.12 |
| 28-0000-0013a | 7.12 |
| 08-0000-0003 | 7.07 |
| 09-0000-0004 | 7.01 |
| 27-0000-0002 | 6.80 |
| 12-0000-0013 | 6.75 |
| 26-0000-0024 | 6.74 |
| Unresolved263 | 6.58 |
| 28-0000-0001 | 6.51 |
| Unresolved235 | 6.22 |
| 21-0000-0002 | 6.14 |
| 17-0000-0006 | 6.13 |
| Unresolved176 | 6.04 |
| 08-0000-0002 | 5.97 |
| 28-0000-0011 | 5.93 |
| 46-0000-0007 | 5.93 |
| 24-0000-0005 | 5.87 |
| 54-0000-0001 | 5.82 |
| 09-0000-0007 | 5.81 |
| 42-0000-0001 | 5.73 |
| 26-0000-0014 | 5.67 |
| 32-0000-0011 | 5.53 |
| 12-0000-0009 | 5.52 |
| 28-0000-0008 | 5.48 |
| 24-0000-0006 | 5.34 |
| Unresolved268 | 5.32 |
| Unresolved51 | 5.26 |
| 26-0000-0020 | 5.19 |
| 24-0000-0007 | 5.16 |
| 27-0000-0001 | 5.04 |
| 17-0000-0013 | 5.01 |
| Unresolved259 | 4.72 |
| 24-0000-0004 | 4.70 |
| 28-0000-0003 | 4.65 |
| Unresolved293 | 4.37 |
| Unresolved265 | 4.34 |
| Unresolved296 | 4.14 |
| Unresolved295 | 3.96 |
| 24-0000-0009 | 3.76 |
| Unresolved294 | 3.66 |
| Unresolved266 | 3.62 |
| 12-0000-0010 | 3.47 |
| 09-0000-0002 | 3.44 |
| 20-0000-0018 | 3.22 |
| 24-0000-0003 | 3.14 |
| 34-0000-0020 | 3.13 |
| Unresolved290 | 3.08 |
| 25-0000-0003 | 3.04 |
| 34-0000-0003 | 3.03 |
| 17-0000-0009 | 2.96 |
| 33-0000-0008 | 2.92 |
| 24-0000-0001 | 2.83 |
| 14-0000-0006 | 2.69 |
| 20-0000-0005 | 2.67 |
| Unresolved292 | 2.67 |
| 27-0000-0008 | 2.56 |
| 14-0000-0007 | 2.52 |
| 17-0000-0018 | 2.21 |
| 46-0000-0003 | 2.10 |
| 17-0000-0012 | 2.06 |
| 25-0000-0002 | 2.00 |
| 46-0000-0005 | 1.61 |
| 34-0000-0002 | 1.49 |
| Unresolved267 | 1.43 |
| Unresolved279 | 1.33 |
| 18-0000-0008 | 1.14 |
| 19-0000-0005 | 0.74 |

Table C-2. Estimated Nitrogen Loading for All Catchments in the Charles River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated N Load (Lbs/Yr) |
| 45-0000-0002 | 123.93 |
| 38-0000-0001 | 78.83 |
| 38-0000-0006 | 65.02 |
| 44-0000-0008 | 51.58 |
| Unresolved256 | 44.08 |
| 55-0000-0002 | 42.49 |
| 45-0000-0003 | 40.71 |
| 44-0000-0004 | 35.79 |
| Unresolved262 | 31.41 |
| 39-0000-0003 | 30.88 |
| 45-0000-0001 | 30.29 |
| Unresolved227 | 22.03 |
| 55-0000-0001 | 21.99 |
| 31-0000-0006 | 20.04 |
| 38-0000-0002 | 14.85 |
| Unresolved240 | 14.78 |
| Unresolved238 | 13.62 |
| 44-0000-0006 | 13.04 |
| Unresolved225 | 12.51 |
| 38-0000-0003 | 11.10 |
| 38-0000-0005 | 10.90 |
| 44-0000-0001 | 10.01 |
| 44-0000-0009 | 7.69 |
| 44-0000-0003 | 7.21 |
| 44-0000-0005 | 7.18 |
| 44-0000-0002 | 6.45 |
| Unresolved241 | 4.20 |
| 38-0000-0004 | 4.14 |
| 38-0000-0007 | 3.40 |
| 44-0000-0007 | 1.90 |
| 45-0000-0002 | 123.93 |
| 38-0000-0001 | 78.83 |
| 38-0000-0006 | 65.02 |
| 44-0000-0008 | 51.58 |
| Unresolved256 | 44.08 |
| 55-0000-0002 | 42.49 |
| 45-0000-0003 | 40.71 |
| 44-0000-0004 | 35.79 |
| Unresolved262 | 31.41 |
| 39-0000-0003 | 30.88 |
| 45-0000-0001 | 30.29 |
| Unresolved227 | 22.03 |
| 55-0000-0001 | 21.99 |
| 31-0000-0006 | 20.04 |
| 38-0000-0002 | 14.85 |
| Unresolved240 | 14.78 |
| Unresolved238 | 13.62 |
| 44-0000-0006 | 13.04 |
| Unresolved225 | 12.51 |
| 38-0000-0003 | 11.10 |
| 38-0000-0005 | 10.90 |
| 44-0000-0001 | 10.01 |
| 44-0000-0009 | 7.69 |
| 44-0000-0003 | 7.21 |
| 44-0000-0005 | 7.18 |
| 44-0000-0002 | 6.45 |
| Unresolved241 | 4.20 |
| 38-0000-0004 | 4.14 |
| 38-0000-0007 | 3.40 |
| 44-0000-0007 | 1.90 |

Table C-3. Estimated Nitrogen Loading for All Catchments in the Charles River Watershed

|  |  |
| --- | --- |
| Catchment Identifier | Estimated N Load (Lbs/Yr) |
| 58-0000-0002 | 43.69 |
| 58-0000-0003 | 27.11 |
| Unresolved291 | 11.20 |
| 58-0000-0001 | 5.12 |

**Appendix D: Town-Owned Parcels Sorted by the NSP BMP Tool’s Phosphorus Priority Ranking**

Table D-1. Town-Owned Parcels Sorted by BMP Tool Priority Score for Phosphorus Removal

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Parloc\_ID | Use Description | BMP Tool Priority Score (Max Score = 1) |
| KINGSBURY ST | F\_714637\_2875231 | Municipal Vacant | 1.000 |
| CHESTNUT ST | F\_714696\_2864717 | Municipal Vacant | 1.000 |
| KINGSBURY ST | F\_714839\_2875414 | Municipal Vacant | 1.000 |
| WASHINGTON ST | F\_721910\_2864206 | Municipal Vacant | 1.000 |
| WASHINGTON ST | F\_729154\_2879497 | Municipal Vacant | 1.000 |
| HEMLOCK ST | F\_729782\_2882518 | Municipal Vacant | 1.000 |
| HEMLOCK ST | F\_729888\_2882992 | Municipal Vacant | 1.000 |
| MOOSE HILL RD | F\_733738\_2877837 | Municipal Vacant | 1.000 |
| JASON'S PATH | F\_722013\_2863343 | Municipal Vacant | 0.973 |
| 999 NORTH ST | F\_722320\_2892348 | Municipal Vacant | 0.973 |
| ROBBINS RD | F\_722959\_2879964 | Municipal Vacant | 0.973 |
| ROUTE 1 | F\_734039\_2880245 | Municipal Vacant | 0.973 |
| MOOSE HILL RD | F\_735383\_2878563 | Municipal Vacant | 0.973 |
| WEST ST | F\_717631\_2877270 | Municipal Vacant | 0.970 |
| MAIN ST | F\_726085\_2881599 | Municipal Vacant | 0.970 |
| WASHINGTON ST | F\_727575\_2874187 | Municipal Vacant | 0.970 |
| HIGH ST | F\_719092\_2893396 | Municipal Vacant | 0.966 |
| NORTH ST | F\_720161\_2895335 | Municipal Vacant | 0.966 |
| 400 SUMMER ST | F\_716303\_2859334 | Municipal Vacant | 0.965 |
| JORIE LN | F\_718695\_2883850 | Municipal Vacant | 0.965 |
| ELM ST | F\_719468\_2879318 | Municipal Vacant | 0.965 |
| ELM ST | F\_719502\_2881841 | Municipal Vacant | 0.965 |
| ELM ST | F\_719618\_2881657 | Municipal Vacant | 0.965 |
| MILL POND RD | F\_720256\_2881964 | Municipal Vacant | 0.965 |
| NORTH ST | F\_721778\_2887386 | Municipal Vacant | 0.965 |
| SOUTH ST | F\_723743\_2873953 | Municipal Vacant | 0.965 |
| COMMON ST | F\_724177\_2874217 | Municipal Vacant | 0.965 |
| SOUTH ST | F\_724282\_2872642 | Municipal Vacant | 0.965 |
| SOUTH ST | F\_724507\_2869370 | Municipal Vacant | 0.965 |
| WASHINGTON ST | F\_724967\_2872633 | Municipal Vacant | 0.965 |
| 1320 WASHINGTON ST | F\_725614\_2870877 | Municipal, Federal, or State | 0.965 |
| WASHINGTON ST | F\_726077\_2867613 | Municipal Vacant | 0.965 |
| 3 FRANK ST | F\_729221\_2888835 | Municipal Vacant | 0.965 |
| MORSE ST | F\_730860\_2879599 | Municipal Vacant | 0.965 |
| CONEY ST | F\_735753\_2881284 | Municipal Vacant | 0.965 |
| ELM RD | F\_717770\_2880822 | Municipal Vacant | 0.923 |
| ELM ST | F\_718091\_2879835 | Municipal Vacant | 0.923 |
| WEST ST | F\_718120\_2878575 | Municipal Vacant | 0.923 |
| 464 ELM ST | F\_718309\_2880525 | Municipal Vacant | 0.923 |
| ELM ST | F\_718599\_2879269 | Municipal Vacant | 0.923 |
| ELM ST | F\_718803\_2881849 | Municipal Vacant | 0.923 |
| HIGH ST | F\_719159\_2884770 | Municipal Vacant | 0.923 |
| HIGH ST | F\_719181\_2885775 | Municipal Vacant | 0.923 |
| HIGH ST | F\_719901\_2884335 | Municipal Vacant | 0.923 |
| MILL POND RD | F\_719927\_2881380 | Municipal Vacant | 0.923 |
| MAIN ST | F\_720986\_2872219 | Municipal Vacant | 0.923 |
| NORTH ST | F\_721283\_2886915 | Municipal Vacant | 0.923 |
| SOUTH ST | F\_723176\_2872493 | Municipal Vacant | 0.923 |
| SOUTH ST | F\_723319\_2873629 | Municipal Vacant | 0.923 |
| SOUTH ST | F\_723911\_2874404 | Municipal Vacant | 0.923 |
| WASHINGTON ST | F\_725605\_2869047 | Municipal Vacant | 0.923 |
| MYLOD ST | F\_731558\_2886602 | Municipal Vacant | 0.923 |
| 263 LINCOLN RD | F\_713761\_2877941 | Municipal Vacant | 0.914 |
| LINCOLN RD | F\_714052\_2876547 | Municipal Vacant | 0.914 |
| CEDAR ST | F\_714524\_2870582 | Municipal Vacant | 0.914 |
| ELM ST | F\_718758\_2880209 | Municipal Vacant | 0.914 |
| MAIN ST | F\_720546\_2872155 | Municipal Vacant | 0.914 |
| NORTH ST | F\_721590\_2894968 | Municipal Vacant | 0.914 |
| 587-589 SOUTH ST | F\_722868\_2869408 | Municipal Vacant | 0.914 |
| SOUTH ST | F\_723072\_2870708 | Municipal Vacant | 0.914 |
| SOUTH ST | F\_723372\_2872926 | Municipal Vacant | 0.914 |
| 144 SCHOOL ST | F\_724572\_2877936 | Municipal Vacant | 0.914 |
| ELM ST | F\_716903\_2879186 | Municipal Vacant | 0.908 |
| ELM ST | F\_717401\_2879727 | Municipal Vacant | 0.908 |
| WEST ST | F\_721175\_2877765 | Municipal Vacant | 0.908 |
| STONE ST | F\_725941\_2875451 | Municipal Vacant | 0.908 |
| WASHINGTON ST | F\_727029\_2873477 | Municipal Vacant | 0.908 |
| PLIMPTON ST | F\_728845\_2883625 | Municipal Vacant | 0.908 |
| HIGH ST | F\_719199\_2885127 | Municipal Vacant | 0.904 |
| PEMBERTON ST | F\_721328\_2881774 | Municipal Vacant | 0.903 |
| MAIN ST | F\_726785\_2884322 | Municipal Vacant | 0.903 |
| KITTREDGE ST | F\_710625\_2877512 | Municipal Vacant | 0.874 |
| HIGH ST | F\_717323\_2885617 | Municipal Vacant | 0.874 |
| ELM ST | F\_719165\_2883841 | Municipal Vacant | 0.874 |
| WASHINGTON ST | F\_727856\_2874917 | Municipal Vacant | 0.874 |
| 12 CRESTVIEW CT | F\_734892\_2880809 | Single family residence | 0.871 |
| MAIN ST | F\_724337\_2880402 | Municipal Vacant | 0.869 |
| FAIRMONT AVE | F\_727876\_2883389 | Municipal Vacant | 0.869 |
| HAWTHORNE DR | F\_728352\_2871256 | Municipal Vacant | 0.869 |
| OLD POST RD | F\_728460\_2870987 | Municipal Vacant | 0.869 |
| 9 LEONARD RD | F\_721040\_2883311 | Municipal, Federal, or State | 0.854 |
| WATER ST | F\_721636\_2863264 | Municipal Vacant | 0.817 |
| 111 ROBBINS RD | F\_721840\_2880678 | Municipal, Federal, or State | 0.816 |
| LINCOLN RD | F\_710679\_2872598 | Municipal Vacant | 0.813 |
| LINCOLN RD | F\_713182\_2878902 | Municipal Vacant | 0.813 |
| KITTREDGE ST | F\_714531\_2878793 | Municipal Vacant | 0.813 |
| MAIN ST | F\_714554\_2864773 | Municipal Vacant | 0.813 |
| MAIN ST | F\_714604\_2865077 | Municipal Vacant | 0.813 |
| CHESTNUT ST | F\_714684\_2864359 | Municipal Vacant | 0.813 |
| LINCOLN RD | F\_714698\_2877910 | Municipal Vacant | 0.813 |
| KITTREDGE ST | F\_714913\_2879209 | Municipal Vacant | 0.813 |
| CEDAR ST | F\_715195\_2868661 | Municipal Vacant | 0.813 |
| HIGH ST | F\_717032\_2890180 | Municipal Vacant | 0.813 |
| HIGH ST | F\_718449\_2890040 | Municipal Vacant | 0.813 |
| NORTH ST | F\_718530\_2891720 | Municipal Vacant | 0.813 |
| HIGH ST | F\_719222\_2892060 | Municipal Vacant | 0.813 |
| 41 WAGON RD | F\_719502\_2891302 | Municipal Vacant | 0.813 |
| NORTH ST | F\_719609\_2891665 | Municipal Vacant | 0.813 |
| HIGH ST | F\_720162\_2892045 | Municipal Vacant | 0.813 |
| GINLEY RD | F\_724778\_2884932 | Municipal Vacant | 0.813 |
| FRANK ST | F\_729440\_2888451 | Municipal Vacant | 0.813 |
| 8 FRANK ST | F\_729608\_2888793 | Municipal Vacant | 0.813 |
| 10 FRANK ST | F\_729682\_2888660 | Municipal Vacant | 0.813 |
| OLD POST RD | F\_730220\_2876216 | Municipal Vacant | 0.813 |
| MANSION DR | F\_732400\_2884651 | Municipal Vacant | 0.813 |
| 1303 WASHINGTON ST | F\_724963\_2871130 | Municipal, Federal, or State | 0.771 |
| TAFT ST | F\_720589\_2872462 | Municipal Vacant | 0.770 |
| SOUTH ST | F\_723663\_2874532 | Municipal Vacant | 0.770 |
| FRANK ST | F\_729532\_2888951 | Municipal Vacant | 0.770 |
| WEST ST | F\_712643\_2870413 | Municipal Vacant | 0.764 |
| COUNTY ST | F\_717078\_2891307 | Municipal Vacant | 0.764 |
| GRANITE ST | F\_717511\_2878589 | Residential vacant | 0.764 |
| 34 ALBANY RD | F\_722268\_2881534 | Municipal Vacant | 0.764 |
| WINTHROP ST | F\_722271\_2881406 | Municipal Vacant | 0.764 |
| WINTHROP ST | F\_722365\_2881461 | Municipal Vacant | 0.764 |
| NORTH ST | F\_723712\_2892028 | Municipal Vacant | 0.764 |
| FRANK ST | F\_729418\_2889130 | Municipal Vacant | 0.764 |
| UNION ST | F\_735765\_2883874 | Municipal Vacant | 0.764 |
| HIGH ST | F\_717976\_2890322 | Municipal Vacant | 0.752 |
| HIGH ST | F\_717246\_2886645 | Municipal Vacant | 0.750 |
| HIGH ST | F\_717488\_2890658 | Municipal Vacant | 0.750 |
| COUNTY ST | F\_717573\_2890808 | Municipal Vacant | 0.750 |
| ELM ST | F\_719243\_2882884 | Municipal Vacant | 0.750 |
| HIGH ST | F\_719870\_2883677 | Municipal Vacant | 0.750 |
| MILLBROOK MEADOW | F\_720608\_2881578 | Municipal Vacant | 0.750 |
| WASHINGTON ST | F\_721976\_2868759 | Municipal Vacant | 0.750 |
| ELM ST | F\_718097\_2884587 | Municipal Vacant | 0.748 |
| ELM ST | F\_717364\_2880256 | Municipal Vacant | 0.748 |
| HIGH ST | F\_717639\_2891026 | Municipal Vacant | 0.748 |
| CEDAR SWAMP | F\_721284\_2869318 | Municipal Vacant | 0.748 |
| PINE ST | F\_726236\_2865053 | Municipal Vacant | 0.748 |
| PEMBERTON ST | F\_724159\_2881664 | Municipal Vacant | 0.747 |
| EAST ST | F\_728687\_2879094 | Municipal Vacant | 0.747 |
| 625 WASHINGTON ST | F\_728832\_2879311 | Municipal, Federal, or State | 0.747 |
| LINCOLN RD | F\_710209\_2873981 | Municipal Vacant | 0.731 |
| MAIN ST | F\_715752\_2868244 | Municipal Vacant | 0.731 |
| MAIN ST | F\_725164\_2883050 | Municipal Vacant | 0.731 |
| 7 FRANK ST | F\_729365\_2888583 | Municipal Vacant | 0.731 |
| HIGH PLAIN ST | F\_730266\_2876422 | Municipal Vacant | 0.731 |
| SUMMIT AVE | F\_730611\_2876181 | Municipal Vacant | 0.731 |
| WINTER ST | F\_711261\_2869458 | Municipal Vacant | 0.720 |
| CARL RD | F\_714017\_2870197 | Municipal Vacant | 0.720 |
| WINTER ST | F\_716867\_2862226 | Municipal Vacant | 0.720 |
| CEDAR SWAMP | F\_717863\_2863855 | Municipal Vacant | 0.720 |
| NORTH ST | F\_724724\_2897224 | Municipal Vacant | 0.720 |
| MAIN ST | F\_716909\_2867193 | Municipal Vacant | 0.679 |
| 341 ELM ST | F\_719353\_2880303 | Municipal, Federal, or State | 0.678 |
| 31-53 ELLIS ST | F\_724703\_2876413 | Municipal, Federal, or State | 0.678 |
| HIGH ST | F\_717391\_2890037 | Municipal Vacant | 0.659 |
| WINTER ST | F\_717728\_2861884 | Municipal Vacant | 0.659 |
| INDUSTRIAL RD | F\_720618\_2867965 | Municipal Vacant | 0.659 |
| ROBBINS RD | F\_722094\_2879337 | Municipal Vacant | 0.659 |
| MYLOD ST | F\_729652\_2885969 | Municipal Vacant | 0.659 |
| MYLOD ST | F\_729701\_2885914 | Municipal Vacant | 0.659 |
| MYLOD ST | F\_729742\_2885851 | Municipal Vacant | 0.659 |
| ROUTE 1 | F\_734752\_2880138 | Municipal Vacant | 0.659 |
| 1385 WASHINGTON ST | F\_724350\_2870606 | Municipal, Federal, or State | 0.656 |
| MANSION DR | F\_732905\_2884583 | Municipal Vacant | 0.655 |
| CITY MILLS | F\_713907\_2874927 | Municipal Vacant | 0.601 |
| CITY MILLS | F\_714090\_2874548 | Municipal Vacant | 0.601 |
| CITY MILLS | F\_714423\_2871893 | Municipal Vacant | 0.601 |
| CITY MILLS | F\_714612\_2873709 | Municipal Vacant | 0.601 |
| CEDAR ST | F\_714667\_2872948 | Municipal Vacant | 0.601 |
| MAIN ST | F\_714812\_2864355 | Municipal Vacant | 0.601 |
| MAIN ST | F\_714831\_2864828 | Municipal Vacant | 0.601 |
| CEDAR ST | F\_715322\_2871655 | Municipal Vacant | 0.601 |
| CITY MILLS | F\_715560\_2874036 | Municipal Vacant | 0.601 |
| CITY MILLS | F\_715800\_2873859 | Municipal Vacant | 0.601 |
| SUMMER ST WIDENING | F\_716614\_2860383 | Municipal Vacant | 0.601 |
| WEST ST | F\_717368\_2875818 | Municipal Vacant | 0.601 |
| ELM ST | F\_717369\_2880996 | Municipal Vacant | 0.601 |
| WINTER ST | F\_717491\_2861938 | Municipal Vacant | 0.601 |
| HIGH ST | F\_718402\_2891378 | Municipal Vacant | 0.601 |
| INDUSTRIAL RD | F\_718419\_2868721 | Municipal Vacant | 0.601 |
| SUMMER ST | F\_719135\_2861514 | Municipal Vacant | 0.601 |
| DOWNING ST | F\_719353\_2879800 | Municipal Vacant | 0.601 |
| HIGH ST | F\_720414\_2891228 | Municipal Vacant | 0.601 |
| FRONTIER DR | F\_721354\_2891617 | Municipal Vacant | 0.601 |
| ROBBINS RD | F\_722562\_2879556 | Municipal, Federal, or State | 0.601 |
| SOUTH ST | F\_722736\_2871306 | Municipal Vacant | 0.601 |
| PEMBERTON ST | F\_722966\_2882332 | Municipal Vacant | 0.601 |
| IRVING DR | F\_723009\_2864968 | Municipal Vacant | 0.601 |
| NORTH ST | F\_724134\_2895817 | Municipal Vacant | 0.601 |
| MAIN ST | F\_725792\_2881288 | Municipal Vacant | 0.601 |
| FAIRMONT AVE | F\_727761\_2883426 | Municipal Vacant | 0.601 |
| FAIRMONT AVE | F\_727763\_2883287 | Municipal Vacant | 0.601 |
| CHAPMAN ST | F\_727804\_2883326 | Municipal Vacant | 0.601 |
| FAIRMONT AVE | F\_727947\_2883449 | Municipal Vacant | 0.601 |
| FAIRMONT AVE | F\_727979\_2883478 | Municipal Vacant | 0.601 |
| BULLARD ST | F\_728743\_2890525 | Municipal Vacant | 0.601 |
| 5 FRANK ST | F\_729297\_2888714 | Municipal Vacant | 0.601 |
| MYLOD ST | F\_729428\_2885785 | Municipal Vacant | 0.601 |
| MYLOD ST | F\_729516\_2885852 | Municipal Vacant | 0.601 |
| MYLOD ST | F\_729557\_2885795 | Municipal Vacant | 0.601 |
| SUMMIT AVE | F\_729951\_2876965 | Municipal Vacant | 0.601 |
| SUMMIT AVE | F\_730055\_2876764 | Municipal Vacant | 0.601 |
| SUMMIT AVE | F\_730069\_2876893 | Municipal Vacant | 0.601 |
| SUMMIT AVE | F\_730403\_2876327 | Municipal Vacant | 0.601 |
| WOODLAND RD | F\_730474\_2876276 | Municipal Vacant | 0.601 |
| WOODLAND RD | F\_730733\_2876095 | Municipal Vacant | 0.601 |
| EAST ST | F\_731487\_2883469 | Municipal Vacant | 0.601 |
| PALL MALL | F\_732424\_2880407 | Municipal Vacant | 0.601 |
| CHESTNUT ST | F\_733196\_2884080 | Municipal Vacant | 0.601 |
| MYLOD ST | F\_733273\_2886626 | Municipal Vacant | 0.601 |
| RHOADES AVE | F\_733415\_2883715 | Municipal Vacant | 0.601 |
| ELDOR DR | F\_717353\_2863375 | Municipal Vacant | 0.559 |
| 251 NORFOLK ST | F\_718155\_2875612 | Municipal, Federal, or State | 0.559 |
| SOUTH ST | F\_723702\_2871919 | Municipal Vacant | 0.559 |
| CEDAR SWAMP | F\_716483\_2870177 | Municipal Vacant | 0.553 |
| CEDAR SWAMP | F\_716517\_2870439 | Municipal Vacant | 0.553 |
| SOUTH ST | F\_723414\_2871003 | Municipal Vacant | 0.553 |
| MAIN ST | F\_725334\_2880905 | Municipal Vacant | 0.553 |
| MAIN ST | F\_726053\_2881848 | Municipal Vacant | 0.553 |
| HAWTHORNE DR | F\_728159\_2871497 | Municipal Vacant | 0.553 |
| SOUTH ST | F\_724369\_2873752 | Municipal Vacant | 0.550 |
| WINTER ST | F\_711559\_2868708 | Municipal Vacant | 0.546 |
| MAIN ST | F\_717593\_2868853 | Municipal Vacant | 0.546 |
| INDUSTRIAL RD | F\_718036\_2868815 | Municipal Vacant | 0.546 |
| 240 NORFOLK ST | F\_718219\_2875272 | Municipal Vacant | 0.546 |
| HARVARD ST | F\_720013\_2871136 | Municipal Vacant | 0.546 |
| HARVARD ST | F\_720164\_2871288 | Municipal Vacant | 0.546 |
| GARFIELD ST | F\_720312\_2871331 | Municipal Vacant | 0.546 |
| STATE ST | F\_720414\_2872372 | Municipal Vacant | 0.546 |
| CLEVELAND ST | F\_720734\_2872367 | Municipal Vacant | 0.546 |
| WAYSIDE PK | F\_720746\_2872417 | Municipal Vacant | 0.546 |
| CLEVELAND ST | F\_720758\_2872463 | Municipal Vacant | 0.546 |
| MAIN ST | F\_720791\_2872382 | Municipal Vacant | 0.546 |
| 1852 WASHINGTON ST | F\_721592\_2863665 | Municipal, Federal, or State | 0.546 |
| WASHINGTON ST | F\_721776\_2865805 | Municipal Vacant | 0.546 |
| SOUTH ST | F\_723111\_2873710 | Municipal Vacant | 0.546 |
| SOUTH ST | F\_723630\_2871040 | Municipal Vacant | 0.546 |
| STONE ST | F\_724178\_2877110 | Municipal Vacant | 0.546 |
|  | F\_726986\_2882282 |  | 0.546 |
| ROUTE 1 | F\_727002\_2866851 | Municipal Vacant | 0.546 |
| FRANK ST | F\_729675\_2888507 | Municipal Vacant | 0.546 |
| PARK LN | F\_735013\_2880698 | Municipal Vacant | 0.546 |
| CONEY ST | F\_735099\_2882674 | Municipal Vacant | 0.546 |
| CONEY ST | F\_735298\_2882968 | Municipal Vacant | 0.546 |
| SOUTH ST | F\_723620\_2873561 | Municipal Vacant | 0.508 |
| SOUTH ST | F\_724058\_2874768 | Municipal Vacant | 0.508 |
| MILLBROOK MEADOW | F\_719348\_2884381 | Municipal Vacant | 0.505 |
| SOUTH ST | F\_722117\_2869000 | Municipal Vacant | 0.505 |
| MAIN ST | F\_726530\_2882014 | Municipal Vacant | 0.505 |
| CEDAR SWAMP | F\_715488\_2869880 | Municipal Vacant | 0.503 |
| ELM ST | F\_721908\_2879515 | Municipal Vacant | 0.502 |
| 275 COMMON ST | F\_724502\_2874807 | Municipal, Federal, or State | 0.502 |
| SUMMER ST | F\_720633\_2863422 | Municipal, Federal, or State | 0.501 |
| CEDAR ST OFF | F\_714975\_2870558 | Municipal Vacant | 0.449 |
| ELM ST | F\_717751\_2880380 | Municipal Vacant | 0.449 |
| ELM ST | F\_718715\_2884046 | Municipal, Federal, or State | 0.449 |
| 415 ELM ST | F\_719087\_2881141 | Municipal, Federal, or State | 0.449 |
| WASHINGTON ST | F\_722783\_2867542 | Municipal Vacant | 0.449 |
| 146-150 PEMBERTON ST | F\_723054\_2882420 | Municipal, Federal, or State | 0.449 |
| SOUTH ST | F\_723765\_2871723 | Municipal Vacant | 0.449 |
|  | F\_724543\_2864662 |  | 0.449 |
| HARTSHORN RD | F\_724912\_2879508 | Municipal Vacant | 0.449 |
| 99 OLD POST RD | F\_731360\_2878206 | Municipal, Federal, or State | 0.449 |
| CONEY ST | F\_734675\_2881866 | Municipal Vacant | 0.449 |
|  | F\_719202\_2883424 |  | 0.432 |
| 8 DIAMOND POND TERR | F\_725613\_2877995 | Municipal, Federal, or State | 0.432 |
| HIGH PLAIN ST | F\_729770\_2877944 | Municipal Vacant | 0.431 |
| LINCOLN RD | F\_711560\_2873315 | Municipal Vacant | 0.383 |
| MAIN ST | F\_717169\_2868704 | Municipal Vacant | 0.383 |
| MAIN ST | F\_722810\_2877904 | Municipal Vacant | 0.381 |
| NEPONSET VIEW TERR | F\_723251\_2879400 | Municipal, Federal, or State | 0.381 |
| KENDALL ST | F\_724561\_2880430 | Municipal Vacant | 0.381 |
| ELM ST | F\_719671\_2880137 | Municipal Vacant | 0.344 |
| 65 GOULD ST | F\_725672\_2884029 | Municipal, Federal, or State | 0.344 |
| MAIN ST | F\_715778\_2866479 | Municipal Vacant | 0.331 |
| MAIN ST | F\_715859\_2866636 | Municipal Vacant | 0.331 |
| CEDAR SWAMP | F\_716452\_2870534 | Municipal Vacant | 0.331 |
| CEDAR SWAMP | F\_716452\_2870658 | Municipal Vacant | 0.331 |
| CEDAR SWAMP | F\_716461\_2870358 | Municipal Vacant | 0.331 |
| INDUSTRIAL RD | F\_718243\_2868068 | Municipal Vacant | 0.331 |
| HIGH ST | F\_720435\_2891527 | Municipal Vacant | 0.331 |
|  | F\_720534\_2871180 |  | 0.331 |
| 319 COMMON ST | F\_724665\_2874213 | Municipal, Federal, or State | 0.331 |
| WILLETT ST | F\_729852\_2886190 | Municipal Vacant | 0.331 |
| CLEVELAND ST | F\_720715\_2872297 | Municipal Vacant | 0.323 |
| CITY MILLS | F\_715159\_2871445 | Municipal Vacant | 0.305 |
| WASHINGTON ST | F\_721958\_2865231 | Municipal Vacant | 0.305 |
| WASHINGTON ST | F\_722025\_2867311 | Municipal Vacant | 0.305 |
| SOUTH ST | F\_722501\_2869883 | Municipal Vacant | 0.305 |
| MAIN ST | F\_725797\_2883131 | Municipal Vacant | 0.305 |
| WEST ST | F\_717030\_2875849 | Municipal Vacant | 0.303 |
| TETON WAY | F\_715110\_2865264 | Municipal Vacant | 0.244 |
| WEST ST | F\_716359\_2875755 | Municipal Vacant | 0.244 |
| MAIN ST | F\_717415\_2869013 | Municipal Vacant | 0.244 |
| KENDALL ST | F\_726477\_2879785 | Municipal Vacant | 0.244 |
| ELM ST | F\_719502\_2880198 | Municipal Vacant | 0.176 |
| INDUSTRIAL RD | F\_717932\_2867543 | Municipal Vacant | 0.168 |
| LEONARD RD | F\_720213\_2882633 | Municipal Vacant | 0.147 |
| MILL POND RD | F\_720413\_2881940 | Municipal Vacant | 0.147 |
| 33 MILL POND RD | F\_720505\_2880385 | Municipal Vacant | 0.147 |
| ELM ST | F\_721505\_2877978 | Industrial Vacant | 0.147 |
| NEPONSET VIEW TERR | F\_723553\_2879728 | Municipal, Federal, or State | 0.147 |
| 33 WEST ST | F\_722627\_2878037 | Municipal, Federal, or State | 0.142 |
| 973 MAIN ST | F\_722995\_2878441 | Municipal Vacant | 0.142 |
| 980 MAIN ST | F\_723233\_2878223 | Municipal, Federal, or State | 0.142 |
| 20 STONE ST | F\_723325\_2878145 | Municipal, Federal, or State | 0.142 |
| STONE ST | F\_723354\_2878194 | Municipal Vacant | 0.142 |
| STONE ST | F\_723412\_2878245 | Municipal Vacant | 0.142 |
| 135 SCHOOL ST | F\_723832\_2878271 | Municipal, Federal, or State | 0.142 |
| SUMMIT AVE | F\_730228\_2876788 | Municipal Vacant | 0.142 |
| MERRICK ST | F\_730393\_2876737 | Municipal Vacant | 0.142 |
| 183 WASHINGTON ST | F\_732838\_2883746 | Municipal, Federal, or State | 0.142 |
| 5 WOLCOTT AVE | F\_733700\_2883946 | Municipal, Federal, or State | 0.142 |
| RUSTIC RD | F\_737726\_2881963 | Municipal Vacant | 0.142 |
| 59 MILLBROOK AVE | F\_718035\_2886835 | Municipal Vacant | 0.020 |
| SOUTH ST | F\_722519\_2872228 | Municipal Vacant | 0.020 |
| CEDAR SWAMP | F\_716023\_2864405 | Municipal Vacant | 0.014 |
| CEDAR SWAMP | F\_717803\_2867233 | Municipal Vacant | 0.014 |
| CEDAR SWAMP | F\_718878\_2865311 | Municipal Vacant | 0.014 |
| LINCOLN RD | F\_711081\_2876209 | Municipal Vacant | 0.014 |
| CEDAR SWAMP | F\_717821\_2867077 | Municipal Vacant | 0.014 |
| CEDAR SWAMP | F\_720540\_2867062 | Municipal Vacant | 0.014 |
| HIGH ST | F\_719399\_2883333 | Municipal Vacant | 0.013 |
|  | F\_720854\_2880472 |  | 0.012 |
| CEDAR SWAMP | F\_717694\_2868497 | Municipal Vacant | 0.012 |
| WASHINGTON ST | F\_724762\_2871402 | Municipal Vacant | 0.012 |
| BUBBLING BROOK RD | F\_725601\_2896378 | Municipal Vacant | 0.012 |
| ELM ST | F\_709941\_2879310 | Municipal Vacant | 0.012 |
| KITTREDGE ST | F\_710470\_2878453 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_715827\_2872659 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_715964\_2866773 | Municipal Vacant | 0.012 |
| MAIN ST | F\_715996\_2868022 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_716047\_2871545 | Municipal Vacant | 0.012 |
| MAIN ST | F\_716058\_2867325 | Municipal Vacant | 0.012 |
| MAIN ST | F\_716080\_2866911 | Municipal Vacant | 0.012 |
| MAIN ST | F\_716151\_2867480 | Municipal Vacant | 0.012 |
| MAIN ST | F\_716156\_2867017 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_716174\_2874455 | Municipal Vacant | 0.012 |
| MAIN ST | F\_716175\_2867183 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_716185\_2870850 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_716296\_2870755 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_716432\_2866594 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_716518\_2865925 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_716533\_2866818 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_716582\_2864355 | Municipal Vacant | 0.012 |
| MAIN ST | F\_716849\_2867488 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_716857\_2865291 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_717039\_2864343 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_717499\_2866334 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_717525\_2866118 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_717564\_2866247 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_717586\_2866594 | Municipal Vacant | 0.012 |
| SUMMER ST | F\_717697\_2866037 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_717743\_2866937 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_717764\_2866734 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_717780\_2866503 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_717820\_2865101 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_717965\_2866236 | Municipal Vacant | 0.012 |
| MAIN ST | F\_718010\_2869610 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_718373\_2866926 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_718536\_2865168 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_718708\_2865540 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_718921\_2865810 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_718977\_2866425 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_719271\_2865922 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_719273\_2866791 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_719506\_2866679 | Municipal Vacant | 0.012 |
| CEDAR SWAMP | F\_721567\_2867517 | Municipal Vacant | 0.005 |
| WASHINGTON ST | F\_721866\_2866980 | Municipal Vacant | 0.005 |
| MAIN ST | F\_715729\_2867731 | Municipal Vacant | 0.005 |
| CEDAR SWAMP | F\_716909\_2867111 | Municipal Vacant | 0.005 |
| MILLBROOK MEADOW | F\_717190\_2886308 | Municipal Vacant | 0.005 |
| HIGH ST | F\_717538\_2886229 | Municipal Vacant | 0.005 |
| HIGH ST | F\_717870\_2885308 | Municipal Vacant | 0.005 |
| MAIN ST | F\_718052\_2869854 | Municipal Vacant | 0.005 |
| HIGH ST | F\_718309\_2885176 | Municipal Vacant | 0.005 |
| HIGH ST | F\_718816\_2884825 | Municipal Vacant | 0.005 |
|  | F\_718994\_2884326 |  | 0.005 |
| ELM ST | F\_719435\_2882189 | Municipal Vacant | 0.005 |
| ELM ST | F\_719701\_2882209 | Municipal Vacant | 0.005 |
| HIGH ST | F\_719973\_2883185 | Municipal Vacant | 0.005 |
| LEONARD RD | F\_720477\_2882408 | Municipal Vacant | 0.005 |
| LEONARD RD | F\_720643\_2882945 | Municipal Vacant | 0.005 |
| CEDAR SWAMP | F\_721494\_2868711 | Municipal Vacant | 0.005 |
| SOUTH ST | F\_721646\_2868390 | Municipal Vacant | 0.005 |
| CEDAR SWAMP | F\_721700\_2869204 | Municipal Vacant | 0.005 |
|  | F\_721920\_2879702 |  | 0.005 |
| SOUTH ST | F\_722158\_2867697 | Municipal Vacant | 0.005 |
|  | F\_722939\_2871636 |  | 0.005 |
|  | F\_726588\_2882146 |  | 0.005 |
| HIGH ST | F\_717063\_2886624 | Municipal Vacant | 0.000 |
|  | F\_721228\_2880254 |  | 0.000 |
| HIGH ST | F\_719678\_2882548 | Municipal Vacant | 0.000 |
|  | F\_725362\_2870586 |  | 0.000 |

**Appendix E: Town-Owned Parcels Sorted by the NSP BMP Tool’s Nitrogen Priority Ranking**

Table E-1. Town-Owned Parcels Sorted by BMP Tool Priority Score for Nitrogen Removal

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Parloc\_ID | Use Description | BMP Tool Priority Score (Max Score = 1) |
| 65 GOULD ST | F\_725672\_2884029 | Municipal, Federal, or State | 0.996 |
| 12 CRESTVIEW CT | F\_734892\_2880809 | Single family residence | 0.996 |
| NEPONSET VIEW TERR | F\_723553\_2879728 | Municipal, Federal, or State | 0.981 |
|  | F\_724543\_2864662 |  | 0.981 |
|  | F\_726986\_2882282 |  | 0.981 |
| ROBBINS RD | F\_722562\_2879556 | Municipal, Federal, or State | 0.973 |
|  | F\_720534\_2871180 |  | 0.972 |
| 1303 WASHINGTON ST | F\_724963\_2871130 | Municipal, Federal, or State | 0.972 |
|  | F\_719202\_2883424 |  | 0.966 |
| 111 ROBBINS RD | F\_721840\_2880678 | Municipal, Federal, or State | 0.966 |
| 1385 WASHINGTON ST | F\_724350\_2870606 | Municipal, Federal, or State | 0.966 |
| 8 DIAMOND POND TERR | F\_725613\_2877995 | Municipal, Federal, or State | 0.966 |
| 1320 WASHINGTON ST | F\_725614\_2870877 | Municipal, Federal, or State | 0.958 |
| 275 COMMON ST | F\_724502\_2874807 | Municipal, Federal, or State | 0.868 |
| NEPONSET VIEW TERR | F\_723251\_2879400 | Municipal, Federal, or State | 0.867 |
| 1852 WASHINGTON ST | F\_721592\_2863665 | Municipal, Federal, or State | 0.849 |
| 146-150 PEMBERTON ST | F\_723054\_2882420 | Municipal, Federal, or State | 0.849 |
| 31-53 ELLIS ST | F\_724703\_2876413 | Municipal, Federal, or State | 0.849 |
| 625 WASHINGTON ST | F\_728832\_2879311 | Municipal, Federal, or State | 0.849 |
| 99 OLD POST RD | F\_731360\_2878206 | Municipal, Federal, or State | 0.849 |
| ELM ST | F\_718715\_2884046 | Municipal, Federal, or State | 0.642 |
| 415 ELM ST | F\_719087\_2881141 | Municipal, Federal, or State | 0.642 |
| 341 ELM ST | F\_719353\_2880303 | Municipal, Federal, or State | 0.642 |
| SUMMER ST | F\_720633\_2863422 | Municipal, Federal, or State | 0.642 |
| 9 LEONARD RD | F\_721040\_2883311 | Municipal, Federal, or State | 0.642 |
| 319 COMMON ST | F\_724665\_2874213 | Municipal, Federal, or State | 0.642 |
| 251 NORFOLK ST | F\_718155\_2875612 | Municipal, Federal, or State | 0.405 |
| 33 WEST ST | F\_722627\_2878037 | Municipal, Federal, or State | 0.397 |
| 980 MAIN ST | F\_723233\_2878223 | Municipal, Federal, or State | 0.397 |
| 20 STONE ST | F\_723325\_2878145 | Municipal, Federal, or State | 0.397 |
| 135 SCHOOL ST | F\_723832\_2878271 | Municipal, Federal, or State | 0.397 |
| 183 WASHINGTON ST | F\_732838\_2883746 | Municipal, Federal, or State | 0.397 |
| 5 WOLCOTT AVE | F\_733700\_2883946 | Municipal, Federal, or State | 0.397 |
|  | F\_720854\_2880472 |  | 0.138 |
| ELM ST | F\_709941\_2879310 | Municipal Vacant | 0.112 |
| KITTREDGE ST | F\_710470\_2878453 | Municipal Vacant | 0.112 |
| LINCOLN RD | F\_711081\_2876209 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_715827\_2872659 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_715964\_2866773 | Municipal Vacant | 0.112 |
| MAIN ST | F\_715996\_2868022 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_716023\_2864405 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_716047\_2871545 | Municipal Vacant | 0.112 |
| MAIN ST | F\_716058\_2867325 | Municipal Vacant | 0.112 |
| MAIN ST | F\_716080\_2866911 | Municipal Vacant | 0.112 |
| MAIN ST | F\_716151\_2867480 | Municipal Vacant | 0.112 |
| MAIN ST | F\_716156\_2867017 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_716174\_2874455 | Municipal Vacant | 0.112 |
| MAIN ST | F\_716175\_2867183 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_716185\_2870850 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_716296\_2870755 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_716432\_2866594 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_716518\_2865925 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_716533\_2866818 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_716582\_2864355 | Municipal Vacant | 0.112 |
| MAIN ST | F\_716849\_2867488 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_716857\_2865291 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717039\_2864343 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717499\_2866334 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717525\_2866118 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717564\_2866247 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717586\_2866594 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717694\_2868497 | Municipal Vacant | 0.112 |
| SUMMER ST | F\_717697\_2866037 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717743\_2866937 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717764\_2866734 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717780\_2866503 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717803\_2867233 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717820\_2865101 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717821\_2867077 | Municipal Vacant | 0.112 |
| INDUSTRIAL RD | F\_717932\_2867543 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_717965\_2866236 | Municipal Vacant | 0.112 |
| MAIN ST | F\_718010\_2869610 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_718373\_2866926 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_718536\_2865168 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_718708\_2865540 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_718878\_2865311 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_718921\_2865810 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_718977\_2866425 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_719271\_2865922 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_719273\_2866791 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_719506\_2866679 | Municipal Vacant | 0.112 |
| CEDAR SWAMP | F\_720540\_2867062 | Municipal Vacant | 0.112 |
| WINTER ST | F\_711559\_2868708 | Municipal Vacant | 0.105 |
| LINCOLN RD | F\_711560\_2873315 | Municipal Vacant | 0.105 |
| MAIN ST | F\_715778\_2866479 | Municipal Vacant | 0.105 |
| MAIN ST | F\_715859\_2866636 | Municipal Vacant | 0.105 |
| CEDAR SWAMP | F\_716452\_2870534 | Municipal Vacant | 0.105 |
| CEDAR SWAMP | F\_716452\_2870658 | Municipal Vacant | 0.105 |
| CEDAR SWAMP | F\_716461\_2870358 | Municipal Vacant | 0.105 |
| CEDAR SWAMP | F\_716517\_2870439 | Municipal Vacant | 0.105 |
| MAIN ST | F\_717169\_2868704 | Municipal Vacant | 0.105 |
| INDUSTRIAL RD | F\_718243\_2868068 | Municipal Vacant | 0.105 |
| HIGH ST | F\_720435\_2891527 | Municipal Vacant | 0.105 |
| WILLETT ST | F\_729852\_2886190 | Municipal Vacant | 0.105 |
| KITTREDGE ST | F\_710625\_2877512 | Municipal Vacant | 0.102 |
| WINTER ST | F\_711261\_2869458 | Municipal Vacant | 0.102 |
| CEDAR SWAMP | F\_715488\_2869880 | Municipal Vacant | 0.102 |
| CEDAR SWAMP | F\_716483\_2870177 | Municipal Vacant | 0.102 |
| MAIN ST | F\_717593\_2868853 | Municipal Vacant | 0.102 |
| CEDAR SWAMP | F\_717863\_2863855 | Municipal Vacant | 0.102 |
| INDUSTRIAL RD | F\_718036\_2868815 | Municipal Vacant | 0.102 |
| 240 NORFOLK ST | F\_718219\_2875272 | Municipal Vacant | 0.102 |
| WASHINGTON ST | F\_721776\_2865805 | Municipal Vacant | 0.102 |
| STONE ST | F\_724178\_2877110 | Municipal Vacant | 0.102 |
| MAIN ST | F\_725164\_2883050 | Municipal Vacant | 0.102 |
| STONE ST | F\_725941\_2875451 | Municipal Vacant | 0.102 |
| WASHINGTON ST | F\_727029\_2873477 | Municipal Vacant | 0.102 |
| WASHINGTON ST | F\_727856\_2874917 | Municipal Vacant | 0.102 |
| PARK LN | F\_735013\_2880698 | Municipal Vacant | 0.102 |
| CONEY ST | F\_735099\_2882674 | Municipal Vacant | 0.102 |
| CONEY ST | F\_735298\_2882968 | Municipal Vacant | 0.102 |
| CEDAR SWAMP | F\_721567\_2867517 | Municipal Vacant | 0.099 |
| WASHINGTON ST | F\_721866\_2866980 | Municipal Vacant | 0.099 |
| WEST ST | F\_712643\_2870413 | Municipal Vacant | 0.099 |
| 263 LINCOLN RD | F\_713761\_2877941 | Municipal Vacant | 0.099 |
| CARL RD | F\_714017\_2870197 | Municipal Vacant | 0.099 |
| LINCOLN RD | F\_714052\_2876547 | Municipal Vacant | 0.099 |
| CEDAR ST | F\_714524\_2870582 | Municipal Vacant | 0.099 |
| WEST ST | F\_717631\_2877270 | Municipal Vacant | 0.099 |
| WINTER ST | F\_717728\_2861884 | Municipal Vacant | 0.099 |
| NORTH ST | F\_721590\_2894968 | Municipal Vacant | 0.099 |
| ROBBINS RD | F\_722094\_2879337 | Municipal Vacant | 0.099 |
| NORTH ST | F\_723712\_2892028 | Municipal Vacant | 0.099 |
| 144 SCHOOL ST | F\_724572\_2877936 | Municipal Vacant | 0.099 |
| WASHINGTON ST | F\_727575\_2874187 | Municipal Vacant | 0.099 |
| ROUTE 1 | F\_734752\_2880138 | Municipal Vacant | 0.099 |
| UNION ST | F\_735765\_2883874 | Municipal Vacant | 0.099 |
| MAIN ST | F\_716909\_2867193 | Municipal Vacant | 0.094 |
| NORTH ST | F\_721283\_2886915 | Municipal Vacant | 0.094 |
| 999 NORTH ST | F\_722320\_2892348 | Municipal Vacant | 0.094 |
| ROBBINS RD | F\_722959\_2879964 | Municipal Vacant | 0.094 |
| MYLOD ST | F\_731558\_2886602 | Municipal Vacant | 0.094 |
| ROUTE 1 | F\_734039\_2880245 | Municipal Vacant | 0.094 |
| CEDAR ST | F\_715195\_2868661 | Municipal Vacant | 0.091 |
| MILLBROOK MEADOW | F\_717190\_2886308 | Municipal Vacant | 0.091 |
| HIGH ST | F\_717538\_2886229 | Municipal Vacant | 0.091 |
| HIGH ST | F\_717870\_2885308 | Municipal Vacant | 0.091 |
| HIGH ST | F\_718309\_2885176 | Municipal Vacant | 0.091 |
| HIGH ST | F\_718816\_2884825 | Municipal Vacant | 0.091 |
|  | F\_718994\_2884326 |  | 0.091 |
| HIGH ST | F\_719399\_2883333 | Municipal Vacant | 0.091 |
| ELM ST | F\_719435\_2882189 | Municipal Vacant | 0.091 |
| ELM ST | F\_719701\_2882209 | Municipal Vacant | 0.091 |
| HIGH ST | F\_719973\_2883185 | Municipal Vacant | 0.091 |
| HIGH ST | F\_720162\_2892045 | Municipal Vacant | 0.091 |
| LEONARD RD | F\_720477\_2882408 | Municipal Vacant | 0.091 |
| LEONARD RD | F\_720643\_2882945 | Municipal Vacant | 0.091 |
| CEDAR SWAMP | F\_721494\_2868711 | Municipal Vacant | 0.091 |
| ELM ST | F\_721505\_2877978 | Industrial Vacant | 0.091 |
| SOUTH ST | F\_721646\_2868390 | Municipal Vacant | 0.091 |
| CEDAR SWAMP | F\_721700\_2869204 | Municipal Vacant | 0.091 |
| NORTH ST | F\_721778\_2887386 | Municipal Vacant | 0.091 |
|  | F\_721920\_2879702 |  | 0.091 |
| SOUTH ST | F\_722158\_2867697 | Municipal Vacant | 0.091 |
|  | F\_722939\_2871636 |  | 0.091 |
| NORTH ST | F\_724724\_2897224 | Municipal Vacant | 0.091 |
| HIGH ST | F\_717246\_2886645 | Municipal Vacant | 0.086 |
| ELM ST | F\_719243\_2882884 | Municipal Vacant | 0.086 |
| HIGH ST | F\_719870\_2883677 | Municipal Vacant | 0.086 |
| LEONARD RD | F\_720213\_2882633 | Municipal Vacant | 0.086 |
| MILLBROOK MEADOW | F\_720608\_2881578 | Municipal Vacant | 0.086 |
| WASHINGTON ST | F\_721976\_2868759 | Municipal Vacant | 0.086 |
| WASHINGTON ST | F\_722025\_2867311 | Municipal Vacant | 0.086 |
| SOUTH ST | F\_722117\_2869000 | Municipal Vacant | 0.086 |
| SOUTH ST | F\_722501\_2869883 | Municipal Vacant | 0.086 |
| FRANK ST | F\_729675\_2888507 | Municipal Vacant | 0.086 |
| ELM ST | F\_721908\_2879515 | Municipal Vacant | 0.085 |
| HIGH ST | F\_717976\_2890322 | Municipal Vacant | 0.085 |
| NORTH ST | F\_720161\_2895335 | Municipal Vacant | 0.085 |
| WINTER ST | F\_716867\_2862226 | Municipal Vacant | 0.084 |
| HIGH ST | F\_717323\_2885617 | Municipal Vacant | 0.084 |
| ELM ST | F\_719165\_2883841 | Municipal Vacant | 0.084 |
| DOWNING ST | F\_719353\_2879800 | Municipal Vacant | 0.084 |
| INDUSTRIAL RD | F\_720618\_2867965 | Municipal Vacant | 0.084 |
| WASHINGTON ST | F\_722783\_2867542 | Municipal Vacant | 0.084 |
| SOUTH ST | F\_723765\_2871723 | Municipal Vacant | 0.084 |
| HIGH ST | F\_717639\_2891026 | Municipal Vacant | 0.083 |
| HIGH ST | F\_719181\_2885775 | Municipal Vacant | 0.083 |
| HIGH ST | F\_717391\_2890037 | Municipal Vacant | 0.083 |
| HIGH ST | F\_717488\_2890658 | Municipal Vacant | 0.083 |
| GRANITE ST | F\_717511\_2878589 | Residential vacant | 0.083 |
| COUNTY ST | F\_717573\_2890808 | Municipal Vacant | 0.083 |
| ELM ST | F\_718097\_2884587 | Municipal Vacant | 0.082 |
| PEMBERTON ST | F\_721328\_2881774 | Municipal Vacant | 0.082 |
| 587-589 SOUTH ST | F\_722868\_2869408 | Municipal Vacant | 0.082 |
| SOUTH ST | F\_723072\_2870708 | Municipal Vacant | 0.082 |
| SOUTH ST | F\_723372\_2872926 | Municipal Vacant | 0.082 |
| SOUTH ST | F\_723414\_2871003 | Municipal Vacant | 0.082 |
| FRANK ST | F\_729418\_2889130 | Municipal Vacant | 0.082 |
| HIGH ST | F\_719159\_2884770 | Municipal Vacant | 0.080 |
| MILL POND RD | F\_719927\_2881380 | Municipal Vacant | 0.080 |
| MAIN ST | F\_720986\_2872219 | Municipal Vacant | 0.080 |
| WATER ST | F\_721636\_2863264 | Municipal Vacant | 0.080 |
| JASON'S PATH | F\_722013\_2863343 | Municipal Vacant | 0.080 |
| SOUTH ST | F\_723176\_2872493 | Municipal Vacant | 0.080 |
| SOUTH ST | F\_723702\_2871919 | Municipal Vacant | 0.080 |
| WASHINGTON ST | F\_725605\_2869047 | Municipal Vacant | 0.080 |
| FRANK ST | F\_729532\_2888951 | Municipal Vacant | 0.080 |
| LINCOLN RD | F\_710679\_2872598 | Municipal Vacant | 0.077 |
| LINCOLN RD | F\_713182\_2878902 | Municipal Vacant | 0.077 |
| KITTREDGE ST | F\_714531\_2878793 | Municipal Vacant | 0.077 |
| MAIN ST | F\_714554\_2864773 | Municipal Vacant | 0.077 |
| MAIN ST | F\_714604\_2865077 | Municipal Vacant | 0.077 |
| CHESTNUT ST | F\_714684\_2864359 | Municipal Vacant | 0.077 |
| LINCOLN RD | F\_714698\_2877910 | Municipal Vacant | 0.077 |
| CEDAR ST OFF | F\_714975\_2870558 | Municipal Vacant | 0.077 |
| HIGH ST | F\_717032\_2890180 | Municipal Vacant | 0.077 |
| HIGH ST | F\_718449\_2890040 | Municipal Vacant | 0.077 |
| NORTH ST | F\_718530\_2891720 | Municipal Vacant | 0.077 |
| HIGH ST | F\_719222\_2892060 | Municipal Vacant | 0.077 |
| 41 WAGON RD | F\_719502\_2891302 | Municipal Vacant | 0.077 |
| NORTH ST | F\_719609\_2891665 | Municipal Vacant | 0.077 |
| SOUTH ST | F\_724282\_2872642 | Municipal Vacant | 0.077 |
| GINLEY RD | F\_724778\_2884932 | Municipal Vacant | 0.077 |
| WASHINGTON ST | F\_724967\_2872633 | Municipal Vacant | 0.077 |
| WASHINGTON ST | F\_726077\_2867613 | Municipal Vacant | 0.077 |
| FRANK ST | F\_729440\_2888451 | Municipal Vacant | 0.077 |
| 8 FRANK ST | F\_729608\_2888793 | Municipal Vacant | 0.077 |
| 10 FRANK ST | F\_729682\_2888660 | Municipal Vacant | 0.077 |
| HIGH PLAIN ST | F\_729770\_2877944 | Municipal Vacant | 0.077 |
| OLD POST RD | F\_730220\_2876216 | Municipal Vacant | 0.077 |
| MANSION DR | F\_732400\_2884651 | Municipal Vacant | 0.077 |
| ELM ST | F\_717751\_2880380 | Municipal Vacant | 0.066 |
| KITTREDGE ST | F\_714913\_2879209 | Municipal Vacant | 0.066 |
| BUBBLING BROOK RD | F\_725601\_2896378 | Municipal Vacant | 0.066 |
| ELM ST | F\_717369\_2880996 | Municipal Vacant | 0.065 |
| WEST ST | F\_721175\_2877765 | Municipal Vacant | 0.065 |
| MAIN ST | F\_726530\_2882014 | Municipal Vacant | 0.065 |
| PLIMPTON ST | F\_728845\_2883625 | Municipal Vacant | 0.065 |
| ELM ST | F\_718758\_2880209 | Municipal Vacant | 0.064 |
| MAIN ST | F\_725792\_2881288 | Municipal Vacant | 0.064 |
| MAIN ST | F\_726085\_2881599 | Municipal Vacant | 0.064 |
| ELM ST | F\_717364\_2880256 | Municipal Vacant | 0.063 |
| ELM RD | F\_717770\_2880822 | Municipal Vacant | 0.063 |
| ELM ST | F\_718091\_2879835 | Municipal Vacant | 0.063 |
| WEST ST | F\_718120\_2878575 | Municipal Vacant | 0.063 |
| ELM ST | F\_718599\_2879269 | Municipal Vacant | 0.063 |
| CEDAR SWAMP | F\_721284\_2869318 | Municipal Vacant | 0.063 |
| MOOSE HILL RD | F\_735383\_2878563 | Municipal Vacant | 0.063 |
| KINGSBURY ST | F\_714637\_2875231 | Municipal Vacant | 0.062 |
| CHESTNUT ST | F\_714696\_2864717 | Municipal Vacant | 0.062 |
| KINGSBURY ST | F\_714839\_2875414 | Municipal Vacant | 0.062 |
| MAIN ST | F\_715752\_2868244 | Municipal Vacant | 0.062 |
| 400 SUMMER ST | F\_716303\_2859334 | Municipal Vacant | 0.062 |
| HIGH ST | F\_717063\_2886624 | Municipal Vacant | 0.062 |
| COUNTY ST | F\_717078\_2891307 | Municipal Vacant | 0.062 |
| ELM ST | F\_719468\_2879318 | Municipal Vacant | 0.062 |
| MILL POND RD | F\_720413\_2881940 | Municipal Vacant | 0.062 |
| 33 MILL POND RD | F\_720505\_2880385 | Municipal Vacant | 0.062 |
| WASHINGTON ST | F\_721910\_2864206 | Municipal Vacant | 0.062 |
| PEMBERTON ST | F\_724159\_2881664 | Municipal Vacant | 0.062 |
| MAIN ST | F\_726785\_2884322 | Municipal Vacant | 0.062 |
| EAST ST | F\_728687\_2879094 | Municipal Vacant | 0.062 |
| WASHINGTON ST | F\_729154\_2879497 | Municipal Vacant | 0.062 |
| 3 FRANK ST | F\_729221\_2888835 | Municipal Vacant | 0.062 |
| MYLOD ST | F\_729652\_2885969 | Municipal Vacant | 0.062 |
| MYLOD ST | F\_729701\_2885914 | Municipal Vacant | 0.062 |
| MYLOD ST | F\_729742\_2885851 | Municipal Vacant | 0.062 |
| HEMLOCK ST | F\_729782\_2882518 | Municipal Vacant | 0.062 |
| HEMLOCK ST | F\_729888\_2882992 | Municipal Vacant | 0.062 |
| MORSE ST | F\_730860\_2879599 | Municipal Vacant | 0.062 |
| MOOSE HILL RD | F\_733738\_2877837 | Municipal Vacant | 0.062 |
| CONEY ST | F\_735753\_2881284 | Municipal Vacant | 0.062 |
| LINCOLN RD | F\_710209\_2873981 | Municipal Vacant | 0.050 |
| MILLBROOK MEADOW | F\_719348\_2884381 | Municipal Vacant | 0.050 |
| 7 FRANK ST | F\_729365\_2888583 | Municipal Vacant | 0.049 |
| HIGH PLAIN ST | F\_730266\_2876422 | Municipal Vacant | 0.049 |
| SUMMIT AVE | F\_730611\_2876181 | Municipal Vacant | 0.049 |
| HIGH ST | F\_719092\_2893396 | Municipal Vacant | 0.046 |
| MAIN ST | F\_720546\_2872155 | Municipal Vacant | 0.046 |
| SOUTH ST | F\_723630\_2871040 | Municipal Vacant | 0.046 |
| ROUTE 1 | F\_727002\_2866851 | Municipal Vacant | 0.046 |
| 464 ELM ST | F\_718309\_2880525 | Municipal Vacant | 0.046 |
| ELM ST | F\_718803\_2881849 | Municipal Vacant | 0.046 |
| HIGH ST | F\_719199\_2885127 | Municipal Vacant | 0.046 |
| HIGH ST | F\_719901\_2884335 | Municipal Vacant | 0.046 |
| SOUTH ST | F\_723319\_2873629 | Municipal Vacant | 0.046 |
| SOUTH ST | F\_723911\_2874404 | Municipal Vacant | 0.046 |
| MAIN ST | F\_715729\_2867731 | Municipal Vacant | 0.045 |
| ELM ST | F\_716903\_2879186 | Municipal Vacant | 0.045 |
| CEDAR SWAMP | F\_716909\_2867111 | Municipal Vacant | 0.045 |
| WEST ST | F\_717030\_2875849 | Municipal Vacant | 0.045 |
| ELM ST | F\_717401\_2879727 | Municipal Vacant | 0.045 |
| MAIN ST | F\_718052\_2869854 | Municipal Vacant | 0.045 |
| JORIE LN | F\_718695\_2883850 | Municipal Vacant | 0.045 |
| ELM ST | F\_719502\_2881841 | Municipal Vacant | 0.045 |
| ELM ST | F\_719618\_2881657 | Municipal Vacant | 0.045 |
| MILL POND RD | F\_720256\_2881964 | Municipal Vacant | 0.045 |
| SOUTH ST | F\_723743\_2873953 | Municipal Vacant | 0.045 |
| COMMON ST | F\_724177\_2874217 | Municipal Vacant | 0.045 |
| MAIN ST | F\_724337\_2880402 | Municipal Vacant | 0.045 |
| SOUTH ST | F\_724507\_2869370 | Municipal Vacant | 0.045 |
|  | F\_726588\_2882146 |  | 0.045 |
| FAIRMONT AVE | F\_727876\_2883389 | Municipal Vacant | 0.045 |
| HAWTHORNE DR | F\_728352\_2871256 | Municipal Vacant | 0.045 |
| OLD POST RD | F\_728460\_2870987 | Municipal Vacant | 0.045 |
| MANSION DR | F\_732905\_2884583 | Municipal Vacant | 0.045 |
| CITY MILLS | F\_715159\_2871445 | Municipal Vacant | 0.035 |
| WASHINGTON ST | F\_721958\_2865231 | Municipal Vacant | 0.035 |
| MAIN ST | F\_725797\_2883131 | Municipal Vacant | 0.035 |
| HARTSHORN RD | F\_724912\_2879508 | Municipal Vacant | 0.035 |
| CONEY ST | F\_734675\_2881866 | Municipal Vacant | 0.035 |
| HIGH ST | F\_719678\_2882548 | Municipal Vacant | 0.034 |
| TAFT ST | F\_720589\_2872462 | Municipal Vacant | 0.034 |
| SOUTH ST | F\_723663\_2874532 | Municipal Vacant | 0.034 |
| MAIN ST | F\_725334\_2880905 | Municipal Vacant | 0.034 |
| MAIN ST | F\_726053\_2881848 | Municipal Vacant | 0.034 |
| ELDOR DR | F\_717353\_2863375 | Municipal Vacant | 0.033 |
| PINE ST | F\_726236\_2865053 | Municipal Vacant | 0.033 |
| CITY MILLS | F\_713907\_2874927 | Municipal Vacant | 0.031 |
| CITY MILLS | F\_714090\_2874548 | Municipal Vacant | 0.031 |
| CITY MILLS | F\_714423\_2871893 | Municipal Vacant | 0.031 |
| CITY MILLS | F\_714612\_2873709 | Municipal Vacant | 0.031 |
| CEDAR ST | F\_714667\_2872948 | Municipal Vacant | 0.031 |
| MAIN ST | F\_714812\_2864355 | Municipal Vacant | 0.031 |
| MAIN ST | F\_714831\_2864828 | Municipal Vacant | 0.031 |
| TETON WAY | F\_715110\_2865264 | Municipal Vacant | 0.031 |
| CEDAR ST | F\_715322\_2871655 | Municipal Vacant | 0.031 |
| CITY MILLS | F\_715560\_2874036 | Municipal Vacant | 0.031 |
| CITY MILLS | F\_715800\_2873859 | Municipal Vacant | 0.031 |
| WEST ST | F\_716359\_2875755 | Municipal Vacant | 0.031 |
| SUMMER ST WIDENING | F\_716614\_2860383 | Municipal Vacant | 0.031 |
| WEST ST | F\_717368\_2875818 | Municipal Vacant | 0.031 |
| MAIN ST | F\_717415\_2869013 | Municipal Vacant | 0.031 |
| WINTER ST | F\_717491\_2861938 | Municipal Vacant | 0.031 |
| HIGH ST | F\_718402\_2891378 | Municipal Vacant | 0.031 |
| INDUSTRIAL RD | F\_718419\_2868721 | Municipal Vacant | 0.031 |
| SUMMER ST | F\_719135\_2861514 | Municipal Vacant | 0.031 |
| ELM ST | F\_719502\_2880198 | Municipal Vacant | 0.031 |
| ELM ST | F\_719671\_2880137 | Municipal Vacant | 0.031 |
| HIGH ST | F\_720414\_2891228 | Municipal Vacant | 0.031 |
|  | F\_721228\_2880254 |  | 0.031 |
| FRONTIER DR | F\_721354\_2891617 | Municipal Vacant | 0.031 |
| 34 ALBANY RD | F\_722268\_2881534 | Municipal Vacant | 0.031 |
| WINTHROP ST | F\_722271\_2881406 | Municipal Vacant | 0.031 |
| WINTHROP ST | F\_722365\_2881461 | Municipal Vacant | 0.031 |
| SOUTH ST | F\_722736\_2871306 | Municipal Vacant | 0.031 |
| MAIN ST | F\_722810\_2877904 | Municipal Vacant | 0.031 |
| PEMBERTON ST | F\_722966\_2882332 | Municipal Vacant | 0.031 |
| 973 MAIN ST | F\_722995\_2878441 | Municipal Vacant | 0.031 |
| IRVING DR | F\_723009\_2864968 | Municipal Vacant | 0.031 |
| STONE ST | F\_723354\_2878194 | Municipal Vacant | 0.031 |
| STONE ST | F\_723412\_2878245 | Municipal Vacant | 0.031 |
| NORTH ST | F\_724134\_2895817 | Municipal Vacant | 0.031 |
| SOUTH ST | F\_724369\_2873752 | Municipal Vacant | 0.031 |
| KENDALL ST | F\_724561\_2880430 | Municipal Vacant | 0.031 |
| KENDALL ST | F\_726477\_2879785 | Municipal Vacant | 0.031 |
| FAIRMONT AVE | F\_727761\_2883426 | Municipal Vacant | 0.031 |
| FAIRMONT AVE | F\_727763\_2883287 | Municipal Vacant | 0.031 |
| CHAPMAN ST | F\_727804\_2883326 | Municipal Vacant | 0.031 |
| FAIRMONT AVE | F\_727947\_2883449 | Municipal Vacant | 0.031 |
| FAIRMONT AVE | F\_727979\_2883478 | Municipal Vacant | 0.031 |
| BULLARD ST | F\_728743\_2890525 | Municipal Vacant | 0.031 |
| 5 FRANK ST | F\_729297\_2888714 | Municipal Vacant | 0.031 |
| MYLOD ST | F\_729428\_2885785 | Municipal Vacant | 0.031 |
| MYLOD ST | F\_729516\_2885852 | Municipal Vacant | 0.031 |
| MYLOD ST | F\_729557\_2885795 | Municipal Vacant | 0.031 |
| SUMMIT AVE | F\_729951\_2876965 | Municipal Vacant | 0.031 |
| SUMMIT AVE | F\_730055\_2876764 | Municipal Vacant | 0.031 |
| SUMMIT AVE | F\_730069\_2876893 | Municipal Vacant | 0.031 |
| SUMMIT AVE | F\_730228\_2876788 | Municipal Vacant | 0.031 |
| MERRICK ST | F\_730393\_2876737 | Municipal Vacant | 0.031 |
| SUMMIT AVE | F\_730403\_2876327 | Municipal Vacant | 0.031 |
| WOODLAND RD | F\_730474\_2876276 | Municipal Vacant | 0.031 |
| WOODLAND RD | F\_730733\_2876095 | Municipal Vacant | 0.031 |
| EAST ST | F\_731487\_2883469 | Municipal Vacant | 0.031 |
| PALL MALL | F\_732424\_2880407 | Municipal Vacant | 0.031 |
| CHESTNUT ST | F\_733196\_2884080 | Municipal Vacant | 0.031 |
| MYLOD ST | F\_733273\_2886626 | Municipal Vacant | 0.031 |
| RHOADES AVE | F\_733415\_2883715 | Municipal Vacant | 0.031 |
| RUSTIC RD | F\_737726\_2881963 | Municipal Vacant | 0.031 |
|  | F\_725362\_2870586 |  | 0.004 |
| HAWTHORNE DR | F\_728159\_2871497 | Municipal Vacant | 0.004 |
| SOUTH ST | F\_724058\_2874768 | Municipal Vacant | 0.004 |
| SOUTH ST | F\_723620\_2873561 | Municipal Vacant | 0.004 |
| 59 MILLBROOK AVE | F\_718035\_2886835 | Municipal Vacant | 0.004 |
| HARVARD ST | F\_720013\_2871136 | Municipal Vacant | 0.004 |
| HARVARD ST | F\_720164\_2871288 | Municipal Vacant | 0.004 |
| GARFIELD ST | F\_720312\_2871331 | Municipal Vacant | 0.004 |
| STATE ST | F\_720414\_2872372 | Municipal Vacant | 0.004 |
| CLEVELAND ST | F\_720715\_2872297 | Municipal Vacant | 0.004 |
| CLEVELAND ST | F\_720734\_2872367 | Municipal Vacant | 0.004 |
| WAYSIDE PK | F\_720746\_2872417 | Municipal Vacant | 0.004 |
| CLEVELAND ST | F\_720758\_2872463 | Municipal Vacant | 0.004 |
| MAIN ST | F\_720791\_2872382 | Municipal Vacant | 0.004 |
| SOUTH ST | F\_722519\_2872228 | Municipal Vacant | 0.004 |
| SOUTH ST | F\_723111\_2873710 | Municipal Vacant | 0.004 |
| WASHINGTON ST | F\_724762\_2871402 | Municipal Vacant | 0.000 |

**Appendix F: Town Outfall Screening Data**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Outfall ID** | **Inspection Date** | **Last Rainfall**  **Date** | **Last Rain Evidence Fall Depth of Flow**  **(in)** | **Flow Description** | **Visual Evidence of Illicit Discharge** | **Olfactory Evidence of Illicit Discharge** |  | **Is Outfall Inundated or**  **Inaccessable** | **First Non-Influenced Structure** | **Pipe**  **Diameter Outfall Material (in)** |  | **Outfall Condition** | **Temperature (⁰C)** | **pH** | **Salinity** | **Conductivity (µS/cm)** | **Ammonia (mg/L)** | **Surfactants (mg/L)** | **Chlorine (mg/L)** | **E. coli (MPN/100mL)** | **Total Phosphorus**  **(mg/L)** | **Total Suspended**  **Solids (mg/L)** | **Turbidity (NTU)** | **Dissolved Oxygen (mg/L)** | **BOD5**  **(mg/L)** |  | **Inspection Comments** |
| 01-0000-0001 | 10/18/18 13:40 | 10/17/18 | 0.04 No | Dry | None | None | No | 12 Concrete | | |  | Good | Outfall discharges into pond | | | | | | | | | | | | | | |

There appeared to be a storm water swale but I could not find the out fall. Swale was behind house in front of road going

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 02-0000-0001 | 10/18/18 14:40 | 10/17/18 | 0.04 |  |  |  |  |  |  | straight to circle |
| 02-0000-0001 | 5/18/21 17:41 | 5/10/21 | 0.4 No | Dry | None | None | No | 6 HDPE | Good | Dry BMP behind 11 Shaker Ln |

02-0000-0002 10/18/18 15:39 10/17/18 0.04

02-0000-0002 10/18/18 15:39 10/17/18 0.04

02-0000-0002 10/24/19 16:44 10/17/19 1.91 Yes Damp None None No Concrete Fair Two outfalls. One dry 2 ft pipe. One damp 12 ft pipe. Outfall is mapped on wrong side of culvert 02-0000-0002 5/7/21 16:15 5/5/21 0.46 Yes Heavy None None No Concrete Good 15.3 7.27 0.2 313 0 <0.08 0.5 20 Sample ID: 1603210507-03

02-0000-0003 10/18/18 14:55 10/17/18 0.04 Yes None None No 30 Concrete Good There is moss growing around the outfall and there is no olfactory evidence of a discharge 02-0000-0003 5/7/21 15:05 5/5/21 0.46 Yes Moderate None None No 48 Concrete Good 13.9 7.33 0 149 0 <0.08 0 41 Sample ID: 1603210507-02

02-0000-0004 10/18/18 15:16 10/17/18 0.04 No Dry None None No 18 Concrete Fair Outfall had no evidence of illicit discharge but sediment was in pipe

04-0000-0001 10/18/18 12:23 10/17/18 0.04 Yes None None No 30 Concrete Good Outfall is located behind house there is a drain manhole just upstream toward the house. Manhole is to the left of 23 old town road

04-0000-0001 5/7/21 14:29 5/5/21 0.46 Yes Moderate Algae None No Concrete Good 14.5 7.14 0.3 644 0 <0.08 0.02 <10 Sample ID: 1603210507-01 04-0000-0002 10/18/18 13:59 10/17/18 0.04 No Dry None None No 12 Concrete Good No evidence of a discharege

04-0000-0003 10/18/18 14:10 10/17/18 0.04 No Dry None None No 12 Concrete Good No evidence of a dicharge

04-0000-0004 10/18/18 13:27 10/17/18 0.04 No Dry None None No 15 Concrete Good Outfall is part of culvert headwall 04-0000-0005 10/18/18 13:20 10/17/18 0.04

04-0000-0005 5/18/21 17:20 5/10/21 0.4 No Dry None None No Concrete Fair Outfall not found. Unable to open two upstream manholes. Screened all upstream catch basins, no evidence of flow

05-0000-0001 10/18/18 15:51 10/17/18 0.04 Yes OilySheen None No 12 Concrete Fair The discharge has an oil sheen but no sign of olfactory discharge 05-0000-0001 5/7/21 16:18 5/5/21 0.46 Yes Moderate None None No 12 Concrete Good 12.6 6.76 0.3 620 0 <0.08 1.47 121 Sample ID: 1603210507-04

05-0000-0002 10/18/18 16:29 10/17/18 0.04 No Dry None None No Concrete Good Pipe is filled with sediment

05-0000-0003 10/18/18 16:39 10/17/18 0.04 Yes OilySheen None No Concrete Fair The outfall has an oil sheen and sediment build up in the pipe 05-0000-0003 5/7/21 17:14 5/5/21 0.46 Yes Moderate Algae,OilySheen None No Concrete Good 13.5 7.32 0.4 914 0 <0.08 0.42 216 Sample ID: 1603210507-07

05-0000-0004 10/22/18 19:08 10/21/18 0.01 Yes Trickle None None No 12 Concrete Good The outfall had a small trickle of flow. There were no obvious signs of illicit discharge.

05-0000-0004 5/7/21 17:36 5/5/21 0.46 No Dry None None Yes CB Outfall not found. No flow in upstream structure.

06-0000-0001 10/18/18 16:03 10/17/18 0.04 Yes Brown Color None No 18 Concrete Fair There is a brown coating on the ground around the outfall and I can hear flow in the pipe 06-0000-0001 5/7/21 16:37 5/5/21 0.46 Yes Moderate Algae None No 18 Concrete Good 13.6 7.36 0.2 444 0.25 <0.08 0 <10 Sample ID: 1603210507-05

06-0000-0002 10/18/18 16:16 10/17/18 0.04 Yes Trickle Floatables Sewage No 12 Concrete Good Evidence of sewage smell and floatable. Flow is a trickle 06-0000-0002 5/7/21 16:52 5/5/21 0.46 Yes Moderate None None No 12 Concrete Good 13.2 7.09 0.4 879 0 <0.08 0.01 <10 Sample ID: 1603210507-06

07-0000-0001 10/18/18 13:33 10/17/18 0.04 Yes Trickle None None Yes CB 34 Concrete Fair No visual or olfactory evidence of illicit discharge. Can hear flowing water inside the pipe and pipe has 8 inches of standing water throughout but no visual of flowing water.

Sampling visit: Could not sample due to inundation, did not have manhole lift

07-0000-0001 5/18/21 14:49 5/10/21 0.4 No Dry Algae,Floatables None Yes CB 36 Concrete Good

08-0000-0001 10/18/18 19:00 10/17/18 0.04 No Dry None None No 16 Concrete Fair

Upstream structure (CB-435-2965) was examined and pipe is dry Do however hear water flowing

08-0000-0002 5/7/21 19:30 5/5/21 0.46 No Dry None None Yes CB Concrete Fair Did not attempt to locate outfall, dogs loose on property. Screened both upstream catch basins, no flow 08-0000-0003 10/18/18 15:31 10/17/18 0.04

08-0000-0003 5/18/21 16:25 5/10/21 0.4 No Dry None None No Concrete Good Screened both upstream catch basins

08-0000-0004 6/16/20 12:42 6/11/20 0.8 No Dry None None Yes DMH-XXX-5502 Upstream structures, no flow

08-0000-0004 5/18/21 16:22 5/10/21 0.4 No Dry None None Yes CB Concrete Good Outfall not found. Screened both upstream catch basins

08-0000-0005 6/16/20 12:53 6/11/20 0.8 No Dry None None Yes CB-437-2987 No flow at any upstream structure

08-0000-0005 5/18/21 16:09 5/10/21 0.4 No Dry None None No 18 Concrete Good Outfall downstream of BMP "stormceptor"

08-0000-0006 10/18/18 15:03 10/17/18 0.04 Yes Yes CB 33 Concrete Fair Can hear water flowing in pipe and at first catch basin. Can see water flowing out of pipe. No olfactory evidence of illicit discharge. A little bit of white foam on water surface near discharge.

Sampling visit: outfall is inundatedDo not have manhole lift, need to return with lift to open first upstream structure (DMH-

08-0000-0006 5/18/21 15:12 5/10/21 0.4 Yes Algae,Foam None Yes CB-434-2924 48 Concrete Fair

XXX-3485) Second upstream structure is dry (CB-434-2924)Algae and foam visible, looks like flow from outfall because foam is moving out into pond but not certain

08-0000-0006 5/28/21 14:21 5/27/21 0.02 Yes Moderate Foam None Yes DMH-XXXX-3485 13.56 / 13.2 6.75 / 6.77 0.1 / 0.2 313 / 504 0 / 0 0.5 / 0 0.02 / 0.02 4 / 4 Sampling visit: 2 pipes with flow in MH, sampled both

One at position 1:00 is sample 1, position 9:00 is sample 2 (01667210528). Values given as -01 / -02

09-0000-0001 10/18/18 17:28 10/17/18 0.04 Yes None None No 24 Concrete Good No evidence of illicit discharge but can hear water flowing 09-0000-0001 5/7/21 17:48 5/5/21 0.46 Yes Moderate None None No 24 Concrete Good 13.1 7.27 0.2 367 0 <0.08 0.01 <10 Sample ID: 1603210507-08

09-0000-0002 10/18/18 17:15 10/17/18 0.04 No Dry None None No 12 Concrete Good No evidence of illicit discharge

09-0000-0003 10/18/18 17:10 10/17/18 0.04 No Dry None None No 12 Concrete Good No evidence of illicit discharge

09-0000-0004 10/18/18 16:59 10/17/18 0.04 No Dry None None No 12 Concrete Good No evidence of illicit discharge. There was an additional outfall to the left of this outfall. Was the same size 09-0000-0005 10/29/19 15:51 10/27/19 1.46 No Dry None None No 12 Concrete Fair

09-0000-0006 10/18/18 18:49 10/17/18 0.04 No Dry None None No 18 Concrete Fair

09-0000-0007 10/18/18 17:55 10/17/18 0.04 Yes None None No Natural earth Fair Water appears to be ground water seeping. 4 Palmer ave

09-0000-0008 10/18/18 18:09 10/17/18 0.04 Yes None None No 24 Concrete Fair No evidence of illicit dscharge 09-0000-0008 5/7/21 18:17 5/5/21 0.46 Yes Heavy None None No 24 Good 12.2 7.56 0.2 925 0 <0.08 0 96 Sample ID: 1603210507-09

09-0000-0009 10/18/18 18:18 10/17/18 0.04 No Dry None None No 12 Concrete Good No illicit discharge 10-0000-0001 10/18/18 20:27 10/17/18 0.04 No Dry None None No 24 Concrete Fair

10-0000-0002 10/18/18 20:20 10/17/18 0.04 No Dry None None No 24 Concrete Good

10-0000-0003 6/16/20 13:30 6/11/20 0.8 Yes Trickle None None No 36 Concrete Good

10-0000-0003 6/18/21 9:40 6/14/21 0.65 Yes Trickle Algae None No Concrete Good 19.86 5.74 0.3 586.6 0 0 0.04 98 <0.02 9.84 <4 Sampling visit: algae, trickle, sampled. Sample ID: 01667210618- 01 and -01D 10-0000-0004 10/18/18 16:24 10/17/18 0.04 No Dry None None No 18 Concrete Fair Pipe is clogged with leaf debris, filling about half the pipe.

10-0000-0005 10/18/18 16:13 10/17/18 0.04 No Dry None None No 18 Concrete Fair

10-0000-0006 6/16/20 13:37 6/11/20 0.8 No Dry None None No 15 Concrete Good 3xContech dmh upstream

10-0000-0007 6/16/20 13:17 6/11/20 0.8 No Dry None None No 15 Concrete Good Flowing water heard in upstream structure, but not observed at outfall. Vortechnics dmh covers upstream could be infiltrating?

10-0000-0008 6/16/20 13:24 6/11/20 0.8 No Dry None None No 24 Concrete Good Some trash at outfall. Is basin, 3 contech dmh upstream in driveway of 55 millbrook

12-0000-0001 10/18/18 14:52 10/17/18 0.04 No Dry None None No 18 Concrete Good Outfall is dry. Dimensions are estimated- pipe has flared end section preventing access to pipe for measurements.

12-0000-0002 10/18/18 14:26 10/17/18 0.04 No Dry None None No 12 Concrete Fair Outfall is dry.

12-0000-0003 10/18/18 14:44 10/17/18 0.04 Unable to find outfall.

12-0000-0003 5/18/21 15:45 5/10/21 0.4 No Dry None None Yes MH Concrete Fair Outfall not found, screened first upstream manhole at the end of Hourseshoe Cir.

12-0000-0004 10/18/18 14:03 10/17/18 0.04 No Dry None None Yes CB 24 Concrete Fair Pipe is inundated throughout with about 6 inches of water but not flowing. No visual or olfactory evidence of illicit discharge.

12-0000-0005 10/18/18 18:39 10/17/18 0.04 Spoke to home owner who has been on property for 20 years and said has never seen an outfall. Unable to find.

12-0000-0005 6/2/21 20:00 5/31/21 0.21 No Dry None None Yes CB-427-2867 Screening: CB-427-2867 actually connects to outfall pipe, DMH-XXX-5134 does not. CB sump has water and likely natural bubbles, no flow evident, pipe leading to outfall itself is dry, very hard to see in photo

12-0000-0006 10/18/18 18:26 10/17/18 0.04 No Dry None None Yes CB 12 Concrete Fair

12-0000-0007 10/18/18 18:13 10/17/18 0.04 Yes Foam None No 14 Concrete Fair Some white foam in pooling water at bottom of pipe. No odor.

12-0000-0007 5/18/21 15:36 5/10/21 0.4 Yes Moderate Algae,Foam,OilySheen None No 12 Concrete Good 17.7 6.13 0.2 377 0 <0.08 0.02 1 Sampling visit 01667210518-01 & 01D. Green and brown algae, cream colored foam, slight oily sheen in one area 12-0000-0008 5/7/21 19:45 5/5/21 0.46 Yes Trickle Algae,Foam None No 10 Concrete Good Algae, some foam

12-0000-0008

5/28/21 15:06 5/27/21

0.02 Yes

Moderate Foam, Algae

None

No

Concrete

15.3

6.17

0.1

253

0

0

0.02

12

Sampling visit: got sample, there was bright white foam but it got covered in dirt, green algae in pipe. Sample ID: 01667210528-03

12-0000-0009 4/7/21 19:40 4/1/21 0.57 Outfall not found

12-0000-0009 5/18/21 14:07 5/10/21 0.4 Yes Trickle None None No 8 Concrete Fair Outfall is located right behind wire fence

Screening visit: walk along black fence, find manhole behind wood/wire fence, climb under, follow wood/wire fence to dip in

12-0000-0009 5/28/21 15:36 5/27/21 0.02 No Damp Algae None Yes MH

topography where outfall is. Inundated, wet but not flowing, has algae. CB is wet/damp. Revisit to check one more time for flow

12-0000-0009

6/7/21 13:31

6/4/21

0.03 Yes

Trickle

Algae

None

No

Fair

16.6

7.11

0.3

655

0

0

0.07

5

Sampling visit: trickle, sample ID: 01667210607-01 and -01D

12-0000-0010 5/18/21 14:22 5/10/21 0.4 No Dry None None No 10 Concrete Good

12-0000-0011 10/18/18 17:52 10/17/18 0.04

12-0000-0011 5/18/21 14:32 5/10/21 0.4 Yes Moderate None None No 20 Concrete Good Stormdrain tied into culvert. Culvert inlet on side of street near pond, outlet on other side of street. No flow in upstream catch basins

12-0000-0012 5/18/21 14:50 5/10/21 0.4 No Dry None None No 8 Concrete Good Inlet to bmp. Mapping incomplete

12-0000-0012 5/18/21 14:54 5/10/21 0.4 No Damp None None No Good Mapping incomplete. Multiple outlets to basins along Warren Lane. Outlet in front of 8 Warren Ln damp

12-0000-0012 5/18/21 14:58 5/10/21 0.4 No Dry None None No Good Mapping incomplete. Multiple outlets to basins along Warren Lane. Outlet north of 8 Warren Ln dry

12-0000-0012 5/18/21 15:02 5/10/21 0.4 No Dry None None No Good Mapping incomplete. Multiple outlets to basins along Warren Lane. Outlet across from 15 Warren Ln dry

12-0000-0013 10/18/18 19:11 10/17/18 0.04 Yes Damp None None No 12 Concrete Fair There is no flow currently, but pipe is damp throughout.

12-0000-0013 5/18/21 17:23 5/10/21 0.4 No Dry OilySheen None No 24 Concrete Good Sampling visit: outfall is dry, ever so slight sheen

12-0000-0014

10/18/18 19:20 10/17/18

0.04 No

None

None

Yes

MH

18 Concrete

Fair

Pipe is inundated but not flowing. No olfactory or visual signs of illicit discharge. Dimensions estimated.

12-0000-0014 5/28/21 16:45 5/27/21 0.02 Yes Trickle None None Yes MH Sampling visit: was a ever so slight trickle, couldn’t sample due to inundation

Couldn’t open manhole, revisit to open manhole DMH-XXX-5166

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12-0000-0014 | 6/7/21 16:29 | 6/4/21 | 0.03 Yes | Trickle | OilySheen | None | Yes | DMH-XXX-5166 |  |  | 17.9 6.38 0.2 656 0 0 0.00 26 Sampling visit: DMH-XXX-5166, 1:00 damp, 3:00 can’t see too well, might have wet dirt, no flow evident. 11:00 drop every  few seconds, no way to take sample. Rechecked outfall, saw and sampled trickle. Sample ID: 01667210607-05 |
| 12-0000-0015 | 10/18/18 17:12 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 18 Concrete | Fair |  |
| 12-0000-0016 | 10/18/18 17:01 | 10/17/18 | 0.04 No | Dry | None | None | No |  | Concrete | Fair | Estimated an 18 to 24 inch pipe- can't get measuring tape into pipe. |

12-0000-0017 10/18/18 17:32 10/17/18 0.04 Yes None None No 12 Concrete Fair Located next to 3 culverts and another outfall that is dry. Steady flow coming from outfall. No odor or visual evidence of illicit discharge.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12-0000-0017 | 5/18/21 16:30 | 5/10/21 | 0.4 Yes | Moderate | Algae | Musty | No | 12 Concrete | | Good | 15.6 | 5.94 | 0.2 | 407 | 0 | <0.08 | 0 | <1 | Sampling visit: far left outfall when looking upstream, next to 3 culverts and another dry outfall pipe  Orange substance and green algae in pipe. Lots of poison ivy. Sample ID: 01667210518-02 |
| 12-0000-0018 | 10/18/18 17:27 | 10/17/18 | 0.04 No | Dry | None | None | No | 12 Concrete | | Fair |  |  |  |  |  |  |  |  | Located to left of 3 culverts and a second outfall that's discharging. |
| 12-0000-0019 | 5/18/21 15:22 | 5/10/21 | 0.4 Yes | Trickle | Algae | None | No | Concrete | | Fair |  |  |  |  |  |  |  |  | Green algea at outfall. Stream/culvert 50 ft east of outfall |
| 12-0000-0019 | 5/28/21 16:30 | 5/27/21 | 0.02 No | Damp | Algae | None | Yes | MH |  |  |  |  |  |  |  |  |  |  | Sampling visit: outfall still inundated, CB wet/damp, trouble opening MH DMH-XXX-4419 might be rusted shut... |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Return to sample from mh |
| 12-0000-0019 | 6/7/21 14:08 | 6/4/21 | 0.03 Yes | Trickle | Algae | None | No |  |  | Good | 17.4 | 6.29 | 0.2 | 442 | 0 | 0 | 0.01 | 6 | Sampling visit: trickle, sample ID: 01667210607-02 |
| 12-0000-0020 | 10/18/18 16:34 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 18 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 12-0000-0021 | 6/16/20 13:06 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 30 Concrete | Good |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Last Rain Evidence Flow Visual Evidence of Illicit Olfactory Evidence of Is Outfall First Non-Influenced Pipe Outfall Temperature Conductivity Ammonia Surfactants Chlorine E. coli Total Total Dissolved BOD5**  **Outfall ID Inspection Date Rainfall Fall Depth of Flow Description Discharge Illicit Discharge Inundated or Structure Diameter Outfall Material Condition (⁰C) pH Salinity (µS/cm) (mg/L) (mg/L) (mg/L) (MPN/100mL) Phosphorus Suspended Turbidity (NTU) Oxygen (mg/L) (mg/L) Inspection Comments**  **Date (in) Inaccessable (in) (mg/L) Solids (mg/L)** | | | | | | | | | | | | | | | | | | | |
| 13-0000-0001 | 10/18/18 19:07 | 10/17/18 | 0.04 Yes |  | Foam | None | No |  | 18 Concrete | Good |  |  | |  |  |  |  |  | The discharge has a foam but no odor |
| 13-0000-0001 | 5/13/21 18:14 | 5/10/21 | 0.4 Yes | Moderate | Algae | None | Yes | DMH-XXX-5220 | Concrete | Good | 13.8 | 0.4 | | 628 | 0 | <0.08 | 0.01 | 5 | Sample ID: 01391210513-05 |
| 13-0000-0002 | 6/17/20 14:25 | 6/11/20 | 0.8 Yes | Moderate | None | None | Yes | DMH-XXX-5191 | 30 HDPE | Good |  |  | |  |  |  |  |  | First upstream structure, flow from both inlet pipes |
| 13-0000-0002 | 5/13/21 0:00 | 5/10/21 | 0.4 Yes |  | None | None | Yes | DMH-XXX-5191 | HDPE |  | 14.8 / 15.3 | 6.50 / 6.64 | 0.3 / 0.2 | 678 / 503 | 0.5 / 0 | <0.08 / <0.08 | 0.02 / 0.00 | <1 / 2 | Sample taken from pipe at 3:00 = 01391210513-03. Sample taken from pipe at 12:00 = 01391210513-04. Values given  as -03 / -04 |
| 13-0000-0003 | 10/18/18 18:40 | 10/17/18 | 0.04 Yes |  | None | None | No |  | 36 Concrete | Good |  |  |  |  |  |  |  |  | No evidence of illicit discharge |
| 13-0000-0003 | 6/7/21 14:41 | 6/4/21 | 0.03 Yes | Moderate | Algae | None | No |  |  | Fair | 19.3 | 6.56 | 0.3 | 686 | 0 | 0 | 0.01 | 2 | Sampling visit: moderate flow, algae, sample ID: 01667210607-03 |
| 13-0000-0004 | 10/18/18 18:30 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 15 Concrete | Fair |  |  |  |  |  |  |  |  | No evidence of illicit discharge |
| 13-0000-0013 | 5/13/21 0:00 | 4/10/21 | 0.4 No | Dry | None | None | No |  |  |  |  |  |  |  |  |  |  |  | Private property. Assessed first upstream structure |
| 14-0000-0001 | 5/7/21 19:06 | 5/5/21 | 0.56 Yes | Moderate | Algae | Musty | No |  | HDPE | Fair |  |  |  |  |  |  |  |  | Culvert inlet at mapped location. Outlet on other side of street flowing. Bright brown color at outlet, murky water |
| 14-0000-0002 10/18/18 19:22 10/17/18 0.04 No Dry Trash None No 15 Corrugated metal Poor There is trash around the outfall | | | | | | | | | | | | | | | | | | | |
| 14-0000-0002 | 5/7/21 18:46 | 5/5/21 | 0.56 No | Dry | PetWaste | None | Yes | CB | Concrete | Poor | Trash near outfall. Pet waste bags in catch basin and near outfall | | | | | | | | |
| 14-0000-0003 | 5/7/21 18:36 | 5/5/21 | 0.56 Yes | Moderate | None | None | Yes | CB |  | Poor | Outfall inundated but clearly flowing. | | | | | | | | |
| 14-0000-0003 | 6/4/21 18:13 | 5/31/21 | 0.21 Yes | Moderate | Algae | Musty | Yes | MH |  | Good | 17.7 / 17.4 | 6.46 / 7.00 | 0.3 / 0.3 | 720 / 700 | 0 / 0 | 0.25 / 0.25 | 0.00 / 0.00 | <1 / 411 Four pipes visible in MH. 9:00 and 3:00= standing water. 1:00 moderate flow (Sample ID: 01667210604-05), 10:00=  moderate flow (Sample ID: 01667210604-06). Values given as -05 / -06 | |
| 14-0000-0004 | 10/18/18 19:49 | 10/17/18 | 0.04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DPW: DMH-XXX-3779 all pipes dry- 11:00, 12:00, 4:00, 5:00 (sample location photo) , opened what I thought was DMH- |
| 14-0000-0004 | 6/11/21 12:37 | 6/9/21 | 0.01 No | Dry | OilySheen | None | Yes | DMH-XXX-3779 |  |  |  |  |  |  |  |  |  |  | XXX-5279 right on the white line next to stop sign on Bullard St. has standing water, orange substance, sheen that didn’t  break apart with disturbance photo 12:45pm. Opened the actual DMH-XXX-5279 and it was dry, 11:00 & 1:00 dry, outfall |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | slight wet spot (see image above) |
| 14-0000-0005 | 10/18/18 19:46 | 10/17/18 | 0.04 No | Dry | None | None | No |  | Concrete | Fair |  |  |  |  |  |  |  |  | Outfall is fill half way with sediment |
| 14-0000-0006 | 10/18/18 19:54 | 10/17/18 | 0.04 No | Dry | None | None | No |  | Concrete | Crumbling |  |  |  |  |  |  |  |  | No evidence of elicit discharge. There are two outfall stories the left when facing the outfall |
| 14-0000-0007 | 10/18/18 18:05 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 15 Concrete | Poor |  |  |  |  |  |  |  |  |  |
| 14-0000-0008 | 4/7/21 18:09 | 4/1/21 | 0.57 Yes | Moderate | Algae | None | No |  | 20 Concrete | Poor |  |  |  |  |  |  |  |  | Dead animal at outfall. Green algae |
| 14-0000-0008 | 5/13/21 19:13 | 5/10/21 | 0.4 Yes | Trickle | Algae | None | No |  | Concrete | Fair | 16.5 | 7.01 | 0.2 | 428 | 0 | <0.08 | 0.03 | <1 | Dead animal may have blocked other odors. Sample ID: 01391210513-06 |
| 16-0000-0001 | 10/19/18 17:34 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 18 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 16-0000-0002 | 4/7/21 18:59 | 4/1/21 | 0.57 No | Dry | None | None | No |  | 16 Concrete | Good |  |  |  |  |  |  |  |  | Outfall was partially filled with dirt. |
| 16-0000-0003 | 4/7/21 18:46 | 4/1/21 | 0.57 No | Dry | None | None | No |  | 16 Concrete | Good |  |  |  |  |  |  |  |  |  |
| 16-0000-0004 | 10/19/18 12:44 | 10/17/18 | 0.04 Yes |  | None | None | Yes | MH | 12 Concrete | Fair |  |  |  |  |  |  |  |  | PVC Drainage pipe from neighboring house has flow coming out of it, directed at outfall. Outfall is inundated with water  from that pipe. See picture. |
| 16-0000-0005 | 10/19/18 12:51 | 10/17/18 | 0.04 Yes |  | None | None | Yes | CB | 14 Concrete | Fair |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Sampling visit: DMH-XXX-4834 12:00 pipe coming from other outfall 16-04 is wet, no flow; 1:00 from CB is wet, no flow; |
| 16-0000-0005 | 6/17/21 9:10 | 6/14/21 | 0.65 No | Damp | None | None | Yes | DMH-XXX-4834 | 12 Concrete | Good |  |  |  |  |  |  |  |  | 4:00 from CB is wet, no flow; 9:00 from up the street is dry; outfall is wet no flow. Looked in both CBS and the outfall pipes |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | are dry. |
| 17-0000-0001 | 10/19/18 17:45 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 11 Concrete | Fair |  |  |  |  |  |  |  |  | Bottom half of pipe is buried in ground. Next to 2 other outfall. |
| 17-0000-0002 | 10/19/18 17:49 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 12 Iron | Crumbling |  |  |  |  |  |  |  |  | Pipe is half full of mud. Next to 2 other outfalls |
| 17-0000-0003 | 10/19/18 17:52 | 10/17/18 | 0.04 No | Dry | None | None | Yes | CB |  |  |  |  |  |  |  |  |  |  | Pipe is completely submerged. |
| 17-0000-0004 | 6/16/20 13:48 | 6/11/20 | 0.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Upstream structures not where mapped, no outfall at mapped location, verify mapping? |
| 17-0000-0004 | 5/18/21 18:28 | 5/10/21 | 0.4 No | Dry | None | None | No |  | 20 Concrete | Good |  |  |  |  |  |  |  |  | Pipe partially filled with sediment |
| 17-0000-0005 | 10/19/18 18:02 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 15 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 17-0000-0006 | 10/19/18 18:13 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 11 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 17-0000-0007 | 10/19/18 18:23 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 12 Concrete | Poor |  |  |  |  |  |  |  |  |  |
| 17-0000-0008 | 10/19/18 18:27 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 15 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 17-0000-0009 | 10/19/18 18:59 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 15 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 17-0000-0010 | 10/19/18 19:15 | 10/17/18 | 0.04 Yes |  | None | None | Yes |  | 21 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 17-0000-0010 | 5/18/21 17:57 | 5/10/21 | 0.4 Yes |  | None | None | Yes | MH | 24 Concrete | Good |  |  |  |  |  |  |  |  | Sampling visit: outfall inundated. Revisit with manhole lift to sample DMH-XXX-5301 |
| 17-0000-0010 | 5/28/21 17:07 | 5/27/21 | 0.02 Yes | Moderate | None | None | Yes | DMH-XXX-5301 |  |  | 14.1 | 6.32 | 0.2 | 374 | 0 | 0 | 0.01 | <1 | Sampling visit: DMH-XXX-5301. Sample ID: 01667210528-04 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Cannot get close to outfall due to thick brush. Can see and hear water flowing out of outfall at trickle rate. No visual |
| 17-0000-0011 | 10/19/18 18:50 | 10/17/18 | 0.04 Yes | Trickle | None | Sewage | No | Concrete Fair evidence of illicit discharge. Faint sewage odor present in general vicinity-not stronger by pipe. Estimate a 30 to 36 inch  pipe. | | | | | | | | | | | |
| 17-0000-0011 | 5/18/21 18:10 | 5/10/21 | 0.4 Yes | Trickle | None | None | Yes | Sampling visit: unable to retrieve sample from outfall, clogged with leaves, can hear and see trickling coming down small  CB-362-2378 24 Concrete with reba Good rock wall from outfall pipebut no clear flow path. Return with manhole lift to sample from DMH-XXX-5302? Both catch | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | basins are dry |
| 17-0000-0011 | 5/28/21 17:35 | 5/27/21 | 0.02 Yes |  | None | None | Yes | DMH-XXXX-5302 |  |  | 13.56 | 7.38 | 0.2 | 393 | 0 | 0 | 0.01 | 5 | Sampling visit: outfall inundated, sampling DMH-XXX-5302, sampled from 12:00 pipe, 2:00 pipe dry. Sample ID:  01667210528-05 |
| 17-0000-0012 | 10/19/18 19:08 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 17-0000-0013 | 10/19/18 19:31 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 6 Plastic | Fair |  |  |  |  |  |  |  |  | Not positive that this is the outfall-quite small and far from marked location. |
| 17-0000-0014 | 5/18/21 19:02 | 5/10/21 | 0.4 Yes | Trickle | Algae | None | No |  | 20 Concrete | Fair |  |  |  |  |  |  |  |  | Some algea downstream |
| 17-0000-0014 | 5/28/21 18:18 | 5/27/21 | 0.02 Yes | Trickle | Algae | None | No |  |  | Fair | 13.3 | 7.26 | 0.3 | 538 | 0 | 0 | 0.01 | 17 | Sampling visit: able to collect sample. Sample ID: 01667210528-06 |
| 17-0000-0017 | 10/19/18 19:56 | 10/17/18 | 0.04 Yes |  | None | None | Yes | CB | Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 17-0000-0018 | 10/19/18 20:00 | 10/17/18 | 0.04 |  |  |  |  |  |  |  |  |  |  |  |  |  | Unable to find-thick brush. | | |
| 17-0000-0019 | 10/19/18 19:47 | 10/17/18 | 0.04 No | Damp | None | None | No |  | 24 Concrete | Fair |  |  |  |  |  |  | Pipe is damp inside. It is an overflow pipe for a culvert- can hear and see the stream flowing at the junction. | | |
| 17-0000-0020 | 10/19/18 20:12 | 10/17/18 | 0.04 Yes |  | None | None | Yes |  |  | Fair |  |  |  |  |  |  | Not positive if this is the right structure- quite far from map location. | | |
| 17-0000-0020 | 10/22/18 18:14 | 10/21/18 | 0.01 No | Dry | None | Musty | Yes |  | 18 Corrugated metal p | Fair |  |  |  |  |  |  | The outfall had a musty smell and was inundated | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Sampling visit: cleared leaves for water to flow, it looks like someone attempted to fix the rock wall (that the outfall comes | | |
| 17-0000-0020 | 5/18/21 18:29 | 5/10/21 | 0.4 Yes | Moderate | Foam | None | No |  | 12 | Poor | 20.1 | 6.31 | 0.2 | 373 | 0 | <0.08 | 0 15 out of) with asphalt but it is clogging half of the outfall pipe | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Water has orange tint, some orange foam. Sample ID: 01667210518-03 | | |
| 17-0000-0021 | 10/22/18 19:14 | 10/21/18 | 0.01 No | Dry | None | None | Yes |  | 12 Concrete | Good |  |  |  |  |  |  | The outfall had no evidence of flow but was inundated. | | |
| 17-0000-0022 | 5/7/21 17:37 | 5/5/21 | 0.46 No | Dry | None | None | Yes | CB | Concrete |  |  |  |  |  |  |  | Outfall not found. Screened all upstream catch basins, no evidence of flow. | | |
| 17-0000-0023 | 6/16/20 14:15 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-313-2011 | 12 Vitrified clay | Crumbling | Uncertainty about outfall. 3 vitrified clay pipe ends, vertical, not connected in wetlands. No other evidence of flow path  0bserved. Upstream cbs no flow, dmhs are either sanitary my, or paved over | | | | | | | | |
| 17-0000-0024 | 5/7/21 17:54 | 5/5/21 | 0.46 No | Dry | None | None |  |  | Concrete |  | Unable to locate outfall. Screened all upstream catch basins, no evidence of flow | | | | | | | | |
| 18-0000-0001 | 10/22/18 18:23 | 10/21/18 | 0.01 Yes |  | Algae | None | No |  | 24 Concrete | Good | The outfall has a build up of red algae around the outlet of the outfall | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  | Sampling visit: outfall is inundated, lots of algae. First upstream structure is a manhole but has a sewer lid and looks to be | | | | | | | | |
| 18-0000-0001 | 5/18/21 19:17 | 5/10/21 | 0.4 Yes | Trickle | Algae | None | Yes | CB-358-2360 | Concrete | Good | paved over. Second upstream structures are catch basins that are also paved over, took a picture inside CB-358-2360 and | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  | it looks like water is actually coming from the outfall into the catch basin... | | | | | | | | |
| 18-0000-0001 | 6/7/21 17:19 | 6/4/21 | 0.03 No | Dry | PetWaste | Musty | No |  |  | Good | Sampling visit: no flow at outfall, one CB dry, other CB-358-2359 in photo has standing water only, smells | | | | | | | | |
| 18-0000-0002 | 10/22/18 18:17 | 10/21/18 | 0.01 No | Dry | None | None | Yes |  | 12 Concrete | Fair |  | | | | | | | | |
| 18-0000-0003 | 6/16/20 15:35 | 6/11/20 | 0.8 No | Dry | None | None | No | 12 Concrete | | Good | Adjacent property owner noted that flow exits swale onto her property and that she believed it should not do so. See SPB  camera | | | | | | | | |
| 18-0000-0004 | 6/16/20 15:27 | 6/11/20 | 0.8 No | Dry | None | None | No | 24 Concrete | | Good |  | | | | | | | | |

18-0000-0005 4/7/21 19:40 4/1/21 0.57 No Dry None None Yes CB Concrete Crumbling Headwall crumbling. Outfall inundated. 3 manholes next to eachother up-pipe. Screened 3 catchbasins up-pipe from manholes, no evidence of flow

18-0000-0006 5/18/21 19:21 5/10/21 0.4 Yes Trickle Algae None No 15 PVC Fair Algea and brown color at outfall

Sampling visit: outfall inundated, oily sheen. Initially didn’t find 1st upstream structure in parking lot, checked 2nd upstream

18-0000-0006 6/18/21 11:00 6/14/21 0.65 No Dry Algae,OilySheen None Yes DMH-XXX-3576 24 Blue plastic Good

structure DMH-XXX-5284 is dry but it connects to 18-07 (mapping issue). Went back and found 1st upstream structure

\*CB next to corner of brick building, DMH-XXX-3576, some standing water no evidence of flow.

18-0000-0007 10/22/18 18:19 10/21/18 0.01 Yes Black material None No 15 Concrete Good The outfall had a build up of black material at the outfall

18-0000-0007 6/18/21 10:39 6/14/21 0.65 No Damp Algae None Yes MH Good Sampling visit: damp, no flow. Opened MH closest to outfall and it has a pipe at 9:00, some standing water but no flow.

Mapping issues: “Y” shape of MH/CB configuration is backwards.

18-0000-0008 5/18/21 19:41 5/10/21 0.4 No Dry None None No Outfall not found. Unable to open manhole due to traffic. Screened two upstream catch basins, no evidence of flow

18-0000-0009 4/7/21 19:22 4/1/21 0.57 Yes Trickle None None Yes CB Crumbling Outfall is a dismantled manhole. Outfall inundated but visibly flowing. Screened upstream catch basin, no evidence of flow in CB.

18-0000-0009 6/7/21 17:37 6/4/21 0.03 No Dry None None Yes CB-319-2049 Good Sampling visit: standing water at outfall, CB-319-2049 dry, manhole rusted shut

18-0000-0010 10/22/18 18:08 10/21/18 0.01 No Dry None None No HDPE The outfall was located within a box culvert that runs under the roadway. There was a second pipe within the culvert that was made of clay ID=18 OD=23

18-0000-0011 11/2/18 18:50

18-0000-0011 6/11/21 11:02 6/9/21 0.01 No Dry None None Yes CB DPW: first cb full of water, can’t see any pipes. 2nd cb full of wet dirt, can’t see any pipes. 2CBs here map shows one.

18-0000-0012 10/22/18 18:48 10/21/18 0.04 No Dry None None Yes 12 Concrete Good

18-0000-0013 10/22/18 18:45 10/21/18 0.01 No Dry None None Yes 12 PVC Fair

19-0000-0001 6/16/20 16:20 6/11/20 0.8 Yes Trickle None None No 8 HDPE Good Verify against culvert inspection at this location, flow may be from stream?

Sampling visit: small damp spot, not moving but evidence of flow. The other outfall previously mapped here was a black

19-0000-0001 6/4/21 16:33 5/31/21 0.21 No Damp None None No 8 Metal Fair

19-0000-0002 6/16/20 16:36 6/11/20 0.8 Yes Heavy None None No 24 Clay Crumbling

pvc pipe and this one is metal, find the culvert and follow the adjacent damp streambed towards the main rd. 4 cbs have damp spot, no flow. One not mapped.

pipe end broken , backs up in street, with debris floods garage @ 55 hemlock. Old rail bridge indicates flow may be stream. SPB camera for photos. Flow observed according to 55 hemlock owner at DMH-XXX-4539. Flow observed from unknown pipe.

19-0000-0002 6/11/21 14:02 6/9/21 0.01 Yes Heavy Foam None No Good 17.8 6.41 0.2 314.8 0 0 0.01 45 0.08 <2 0.96 8.62 <4 Sampling: with the amount of flow coming out here I think this might be a culvert, beige foam, heavy flow, took duplicate

sample. Sample ID: 01667210611-03 and -03D

19-0000-0003 10/19/18 17:48 10/17/18 0.04 Yes Damp Algae Musty No Concrete Good The outfall was damp and there was some algae buildup on the outfall with a musty smell

19-0000-0003 6/18/21 14:24 6/14/21 0.65 Yes Moderate None None No Poor 18.58 7.58 0.2 328.8 0 0 0.05 99 <0.02 11 3.39 9.51 <4 Screening/sampling visit: flowing, sampled. Outfall is buried in a metal fence and barbed wire, could hear a decent flow,

buried stream? Sample ID: 01667210618-04

19-0000-0004 5/28/21 15:54 5/27/21 0.02 Yes Damp None None No 20 Concrete Good Outfall damp. Can hear trickling in pipe.

Screening: DMH-XXX-4546 2:00 trickle, orange substance, 3:00 wet/damp, 9:00 some standing water not really moving.

19-0000-0004 6/2/21 19:18 5/31/21 0.21 Yes Trickle None None Yes DMH-XXX-4546

Revisit to sample. Guy who works for the town doing something with the sewers came back and was asking me about amounts of flow.

19-0000-0004 6/18/21 13:23 6/14/21 0.65 Yes Trickle None None Yes DMH-XXX-4546 Good 21.64 7.28 0.2 423.1 0 0 0.26 66 <0.02 <2 13.4 9.19 <4 Sampling visit: DMH-XXX-4546 trickle from 2:00 pipe orange substance, 3:00 staining, standing water in 9:00 \*messed up

the time in pipe ID last visit\* sampled. Sample ID: 01667210618-03

19-0000-0005 4/7/21 17:43 4/1/21 0.57 Yes Trickle Algae None No 12 Concrete Fair Outfall flowing, some green algae

19-0000-0005 6/18/21 12:30 6/14/21 0.65 No Dry None None No Sampling visit: dry

19-0000-0005 6/21/21 14:30 6/19/21 0.09 No Dry None None No Screening: dry

19-0000-0006 4/7/21 19:05 4/1/21 0.57 Yes Moderate None None Yes CB Concrete Fair Flow in upstream catch basin. Fence blocking access to mapped outfall location

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Last Last Rain Evidence Flow Visual Evidence of Illicit Olfactory Evidence of Is Outfall First Non-Influenced Pipe Outfall Temperature Conductivity Ammonia Surfactants Chlorine E. coli Total Total Dissolved BOD5**  **Outfall ID Inspection Date Rainfall Fall Depth of Flow Description Discharge Illicit Discharge Inundated or Structure Diameter Outfall Material Condition (⁰C) pH Salinity (µS/cm) (mg/L) (mg/L) (mg/L) (MPN/100mL) Phosphorus Suspended Turbidity (NTU) Oxygen (mg/L) (mg/L) Inspection Comments**  **Date (in) Inaccessable (in) (mg/L) Solids (mg/L)** | | | | | | | | | | | | | | | | | | | | | | | | |
| 19-0000-0006 | 6/7/21 15:20 | 6/4/21 | 0.03 Yes | Damp | None | None | Yes | DMH-XXX-4552 | Concrete | Good | Sampling visit: 2 outfall pipes, roughly 36in & 18in diameter, pipes are damp inside, can see water flowing near pipes, but  not from the pipes - very likely groundwater.  1st upstream structure on map is MH but construction workers said it was the sewer. They were pumping water from the  19.4 6.34 0.4 758 0 0 0.01 60 2nd upstream structure DMH-XXX-45522, for construction between outfall pipes and 1st upstream structure so I took a | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  | sample there. 2:00 smaller pipe totally dry, 1:00 bigger pipe heavy flow, 9:00 wet dirt, construction worker says this is always flowing, might connect to a brook? Picture inside MH is unclear, see drawing in project folder in field notes. Sample  ID: 01667210607-04 | | | | | | | | | | | | | |
| 19-0000-0007 | 10/22/18 18:43 | 10/21/18 | 0.01 |  |  |  |  |  |  |  |  | | | | | | | | | | | | | |
| 19-0000-0007 | 4/7/21 18:52 | 4/1/21 | 0.57 No | Dry | None | None | Yes | CB | Concrete | Fair | Outfall not found, might be behind fence. Screened 3 upstream catch basins, no evidence of flow | | | | | | | | | | | | | |
| 19-0000-0008 | 6/16/20 16:02 | 6/11/20 | 0.8 Yes | Damp | None | None | No |  | 18 Concrete | Crumbling | Structure collapsed, leading to severe erosion, two pipe segments detached and sliding downhill. Mapped pipe end  uncertain re: connectivity to upstream structures. Trickle from lower structure may be same flow. SPB camera additional | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  | photos | | | | | | | | | | | | | |
| 19-0000-0008 | 6/18/21 11:49 | 6/14/21 | 0.65 Yes | Trickle | None | None | No | DMH-XXX-5270 | Good | | Sampling visit: outfall has one drop every few seconds, CB-340-2245 could only see one dry pipe, DMH-XXX-5270 dry,  DMH-XXX-4558d dry (has one black pvc leading into it) everything looks dry | | | | | | | | | | | | | |
| 19-0000-0009 | 4/7/21 18:36 | 4/1/21 | 0.57 No | Dry | None | None | No |  | Poor | | Upstream catch basins clogged. Unable to locate outfall. Steep slope at train tracks | | | | | | | | | | | | | |
| 19-0000-0009 | 6/2/21 19:43 | 5/31/21 | 0.21 |  |  |  |  |  | Poor | | Screening: all 5 CBS are clogged, have diagonal slats so it is near impossible to see any pipes below, tell town\_ | | | | | | | | | | | | | |
| 19-0000-0009 | 6/11/21 11:31 | 6/9/21 | 0.01 No | Dry | None | None | Yes | MH |  |  | DPW: 3 sewer MHS near middle of intersection, 1 drain up on side of road on right heading to rte 1, all pipes dry, some  damp dirt: 7:00 & 1:00 dry, 2:00 damp dirt. | | | | | | | | | | | | | |
| 20-0000-0001 | 10/19/18 22:00 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 15 Concrete | Good |  | | | | | | | | | | | | | |
| 20-0000-0003 | 10/19/18 19:50 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 12 Clay | Good |  | | | | | | | | | | | | | |
| 20-0000-0004 | 10/19/18 17:21 | 10/17/18 | 0.04 |  |  |  | Yes |  | 16 Clay |  | The outfall was completely submerged | | | | | | | | | | | | | |
| 20-0000-0005 | 10/19/18 17:36 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 10 PVC | Good |  | | | | | | | | | | | | | |
| 20-0000-0006 | 10/19/18 17:42 | 10/17/18 | 0.04 No | Dry | None | None | No | 6 Concrete | | Good |  |  |  |  |  |  |  |  |  |  |  |  |  | This outfall does not appear to be an outfall. It appears to be the underdrain for the stormwater detention basin. The outfall  for this structure is 20-0000-0007 |
| 20-0000-0007 | 10/19/18 17:39 | 10/17/18 | 0.04 Yes | Moderate | None | None | No | 54 Concrete | | Good |  |  |  |  |  |  |  |  |  |  |  |  |  | The outfall has debris built up around the outlet. The flow coming out of the outfall is moderate |
| 20-0000-0007 | 6/18/21 12:50 | 6/14/21 | 0.65 Yes | Moderate | None | None | No | Concrete | | Good | 20.74 | 6.89 | 0.2 | 468.3 | 0 | 0 | 0.03 | 1120 | <0.02 | 20 | 6.25 | 9.73 | <4 | Sampling visit: hear lots of flow in pipe, only a trickle coming out, sampled. Sample ID: 01667210618-02 |

20-0000-0008 4/7/21 17:26 4/1/21 0.57 No Dry None None No Concrete Fair Large concrete structure visible uder debris where outfall is mapped. Screened two upstream catch basins, no evidence of flow

20-0000-0009 4/7/21 17:07 4/1/21 0.57 No Dry None None No 10 DI Fair Mapped location is a manhole/catch basin with no lid. Outfall is somewhere on other side of driveway, inaccessible due to steep slope

20-0000-0010 10/19/18 20:03 10/17/18 0.04 The outfall was not accessible. The stream in conveyed under the surrounding neighborhood and the outfall appears to

discharge into the stream underground

20-0000-0010 4/7/21 16:18 4/1/21 0.57 Yes Moderate None None No Concrete Culvert inlet across the street. No evidence of flow in two catch basins in street. Catch basin in yard across from culvert inlet has flow, believe this is from culvert tied in. No evidence of outfall at mapped location.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 20-0000-0011 | 6/11/20 15:53 | 6/6/20 | 1.03 No | Dry | None | None,Sewage | No |  | 15 Concrete | Good |  | | | | | | | | |
| 20-0000-0012 | 6/11/20 16:02 | 6/6/20 | 1.03 No | Dry | None | RottenEggs | No |  | 6 Ductile iron | Good |  |  |  |  |  |  |  |  | Yard drain |
| 20-0000-0015 | 10/19/18 20:09 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 20-0000-0015 | 5/14/21 13:49 | 5/10/21 | 0.4 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 20-0000-0016 | 4/7/21 15:18 | 4/1/21 | 0.57 Yes | Trickle | None | None | No |  | 10 Concrete | Poor |  |  |  |  |  |  |  |  |  |
| 20-0000-0016 | 5/14/21 15:11 | 5/10/21 | 0.4 Yes | Moderate | Algae | None | No |  | 10 Concrete | Good | 18.8 | 8.78 | 0.5 | 1052 | 0 | <0.08 | 0.02 | <1 | Sample ID: 1630210514-01 |
| 20-0000-0017 | 10/19/18 19:54 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 12 Clay | Poor |  |  |  |  |  |  |  |  |  |
| 20-0000-0017a | 10/19/18 19:57 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 12 Clay | Good |  |  |  |  |  |  |  |  |  |
| 20-0000-0018 | 4/7/21 15:33 | 4/1/21 | 0.57 No | Dry | None | None | Yes | CB | 10 Concrete | Fair |  |  |  |  |  |  |  |  | Outfall inundated. Screened first catch basin up-pipe |
| 20-0000-0019 | 10/19/18 20:18 | 10/17/18 | 0.04 No | Dry | None | None | Yes |  | 15 HDPE | Good |  |  |  |  |  |  |  |  |  |
| 20-0000-0020 | 10/19/18 17:26 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 13 HDPE | Fair |  |  |  |  |  |  |  |  | This location had two other pipes that could be the outfall. 1. Clay pipe ID=4, OD=6. 2. Concrete pipe ID= 12, OD= 16. |
| 20-0000-0021 | 10/19/18 19:53 | 10/17/18 | 0.04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20-0000-0021 | 4/7/21 16:34 | 4/1/21 | 0.57 No | Dry | None | None | No |  |  |  |  |  |  |  |  |  |  |  | Outfall inaccessable: fence.  Screened two upstream catch basins, no evidence of flow |
| 20-0000-0022 | 4/7/21 16:46 | 4/1/21 | 0.57 No | Dry | None | None | No |  | Concrete |  |  |  |  |  |  |  |  |  | Outfall not found. Steep slope. Screened first up-pipe catch basin, no evidence of flow |
| 20-0000-0023 | 6/11/20 15:55 | 6/11/20 | 1.03 Yes | Moderate | None | None | No |  | 48 Corrugated metal | Good |  |  |  |  |  |  |  |  | Suspect may be culverted stream |
| 20-0000-0023 | 5/13/21 19:48 | 5/10/21 | 0.4 Yes | Heavy | None | None | No |  | CMP | Poor | 13.6 | 6.36 | 0.2 | 323 | 0 | <0.08 | 0.01 | <1 | Possible buried stream. Sample ID: 01391210513-07 |
| 20-0000-0024 | 10/29/18 20:06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | The outfall was not found |
| 20-0000-0024 | 4/7/21 15:55 | 4/1/21 | 0.57 Yes | Heavy | None | None | Yes | CB | 30 Concrete | Fair |  |  |  |  |  |  |  |  | Screened first upstream catch basin: inundated but doesn’t appear to be flowing. No flow in second catch basin. Heavy |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | flow at outlet into stream channel, suspect it connects to culvert |
| 20-0000-0024 | 6/4/21 18:02 | 5/31/21 | 0.21 No | Dry | None | None | Yes | CB-332-2206 | Sampling visit: no flow in CB-332-2206 or CB-332-2205 just standing water, CB-332-2205 has another pipe leading into it  that is not mapped | | | | | | | | | | |
| 21-0000-0001 | 10/19/18 20:15 | 10/17/18 | 0.04 |  |  |  | Yes |  | Could not see pipe because it was inundated | | | | | | | | | | |
| 21-0000-0002 4/7/21 14:13 4/1/21 0.57 Yes Trickle Foam None No Drain manhole at mapped outfall location. Catch basins and other manholes in parking lot are not mapped. Not sure where  outfall is. Found catch basin at fence behind LA Fitness. Can hear flow and see some foam in catch basin | | | | | | | | | | | | | | | | | | | |

24-0000-0001 10/19/18 13:44 10/17/18 0.04 No Dry None None Yes CB 12 Concrete Fair

24-0000-0001 5/28/21 17:07 5/27/21 0.02 No Damp None None No Concrete Poor Outfall filled with damp soil 24-0000-0002 10/19/18 13:59 10/17/18 0.04 Yes None None Yes CB 12 Concrete Fair

24-0000-0003

24-0000-0004

10/19/18 14:16 10/17/18

10/19/18 15:44 10/17/18

0.04 No

0.04 No

Dry Dry

None None

None None

No No

Concrete

8 Concrete

Fair Fair

Blocked with debris- covering about 50% of pipe. Estimated as 12 to 18 inch pipe. Pipe is set in the ground, half full of earth/dirt.

24-0000-0002 6/7/21 18:11 6/4/21 0.03 Yes Trickle None None No 21 5.96 0.8 1559 0 0 0.03 1 Sampling visit: trickle, sample ID: 01667210607-06

24-0000-0004 6/8/21 17:40 6/4/21 0.03 No Dry None None No 12 Concrete Good Screening visit: outfall nearly buried in leaves, almost completely full of dirt, only one pair of CBS - very unlikely that there’s 2

outfalls here, didn’t see 2 nor evidence of 2. CBS both have a lot of dirt in the pipe. Dry no flow.

24-0000-0005 10/19/18 16:00 10/17/18 0.04 No Dry None None No 12 Concrete Fair Tree growing up in front of outfall blocking picture.

24-0000-0006 4/7/21 18:15 4/1/21 0.57 Yes Trickle None None Yes CB Concrete Poor Outfall was buried by leaves and rocks. Only the top of pipe was uncovered.

24-0000-0007 10/19/18 14:39 10/17/18 0.04 Yes None None Yes CB Catch basin drains to culvert.

24-0000-0008 10/19/18 14:43 10/17/18 0.04 Yes CB Catch basin drains to culvert.

24-0000-0009 4/7/21 18:28 4/1/21 0.57 No Dry None None No Concrete Poor Outfall filled with dirt. Inlet located across the street also filled with dirt.

24-0000-0010 4/7/21 18:34 4/1/21 0.57 Outfall not found

24-0000-0010 6/8/21 17:52 6/4/21 0.03 Dry None None Yes DMH-XXX-5403 Screening visit: DMH-XXX-5403 3:00 ever so slightly damp, 8:00 & 10:00 dry

24-0000-0011 10/19/18 13:22 10/17/18 0.04

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 24-0000-0012 | 10/19/18 13:02 | 10/17/18 | 0.04 | | | | | | | | | | | | | | | | | | | | | |
| 24-0000-0013 | 10/19/18 13:12 | 10/17/18 | 0.04 Yes |  | None | None | Yes | CB | 12 Concrete | Fair | Outfall is on the right side of the picture. Larger pipe is a culvert. Outfall is inundated. Can hear flowing water in pipe. No  olfactory indications. | | | | | | | | | | | | | |
| 24-0000-0013 | 6/11/21 10:06 | 6/9/21 | 0.01 No | Dry | None | None | Yes | DMH-XXX-4833 |  |  | DPW: DMH-XXX-4833 all pipes dry | | | | | | | | | | | | | |
| 24-0000-0014 | 10/19/18 14:58 | 10/17/18 | 0.04 Yes |  | None | None | No |  | 16 Concrete | Poor | No active water flowing but bottom of pipe is damp throughout. No olfactory or visual evidence of illicit discharge. | | | | | | | | | | | | | |
| 24-0000-0014 | 5/28/21 16:47 | 5/27/21 | 0.02 No | Damp | None | None | No |  | Concrete | Crumbling | Pipe crumbling, AGD visited 6/7 last rainfall 6/4 0.03in, outfall was dry. Forgot to take a photo/submit survey. | | | | | | | | | | | | | |
| 24-0000-0014 | 6/17/21 10:22 | 6/14/21 | 0.65 No | Damp | None | None | Yes |  |  | Poor | Screening visit: outfall inundated, leads to pond. CB-228-1385 has wet dirt no flow. CB-228-1385 has damp dirt NO  FLOW. | | | | | | | | | | | | | |
| 25-0000-0001 | 6/16/20 14:03 | 6/11/20 | 0.8 No | Damp | None | None | No |  | 24 Concrete | Good | Discharge to wetlands | | | | | | | | | | | | | |
| 25-0000-0002 | 10/19/18 15:20 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 12 Concrete | Fair |  | | | | | | | | | | | | | |
| 25-0000-0003 | 10/19/18 15:33 | 10/17/18 | 0.04 |  |  |  |  |  |  |  | Heavy brush and steep slope- inaccessible | | | | | | | | | | | | | |
| 25-0000-0004 | 10/19/18 15:34 | 10/17/18 | 0.04 |  |  |  |  |  |  |  | Cannot find. | | | | | | | | | | | | | |
| 25-0000-0005 | 10/19/18 17:13 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 15 Concrete | Poor |  | | | | | | | | | | | | | |
| 25-0000-0005 | 10/22/18 18:58 | 10/21/18 | 0.01 No | Dry | None | None | No |  | 18 Concrete | Fair |  | | | | | | | | | | | | | |
| 25-0000-0006 | 10/19/18 17:17 | 10/17/18 | 0.04 No | Dry | None | None | No |  | 18 Concrete | Fair |  | | | | | | | | | | | | | |
| 25-0000-0006 | 10/22/18 18:55 | 10/21/18 | 0.01 No | Dry | None | None | No |  | 15 Concrete | Crumbling |  | | | | | | | | | | | | | |
| 25-0000-0007 | 6/16/20 15:15 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 8 PVC | Good | Uphill from mapped location | | | | | | | | | | | | | |
| 25-0000-0008 | 6/16/20 15:12 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 PVC | Good | Uphill from mapped location | | | | | | | | | | | | | |
| 25-0000-0009 | 5/28/21 13:19 | 5/27/21 | 0.02 No | Dry | None | None | Yes | CB |  |  | Outfall not found. Screened all upstream catch basins | | | | | | | | | | | | | |
| 25-0000-0009 | 6/8/21 16:41 | 6/4/21 | 0.03 No | Dry | None | None | Yes | MH |  |  | Screening visit: still can’t find outfall, 11:00 dirt, 1:00 and 2:00 wet dirt/damp, MH outfall pipe is dry | | | | | | | | | | | | | |
| 25-0000-0010 | 6/16/20 14:52 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 15 Concrete | Good |  | | | | | | | | | | | | | |
| 25-0000-0012 | 6/16/20 14:29 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 18 Concrete | Poor | Homeowner noted sinkhole has formed above pipe . May indicate pipe damage. SPB camera for photos | | | | | | | | | | | | | |
| 25-0000-0013 | 4/7/21 17:57 | 4/1/21 | 0.57 |  |  |  |  |  |  |  | Outfall was not found. Potential upstream structure was full of water. Could not see pipe location in catch basin. | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  | Screening visit: outfall not found, potentially buried on left side of smaller parking lot closer to the MTBA where there looks | | | | | | | | | | | | | |
| 25-0000-0013 | 6/8/21 16:15 | 6/4/21 | 0.03 No |  | None | None | Yes | CB |  |  | to be a retention basin? or hidden in brush on the right side where water is also present, 1st CB full of water, can’t see | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  | pipes, next 2 CBS also full of water, can’t see any of the pipes. Incomplete mapping. | | | | | | | | | | | | | |
| 25-0000-0014 | 10/19/18 15:17 | 10/17/18 | 0.04 |  |  |  |  |  |  |  | Can't find | | | | | | | | | | | | | |
| 25-0000-0014 | 6/8/21 17:14 | 6/4/21 | 0.03 Yes | Trickle | None | None | Yes | CB-230-1403 |  |  | Screening visit: could not locate outfall or 1st upstream structure, opened 2nd upstream structure \*MH\* CB-230-1403  11:00 trickle, could not locate other 2nd upstream structure DMH-XXX-5407 | | | | | | | | | | | | | |
| 25-0000-0014 | 6/17/21 9:37 | 6/14/21 | 0.65 Yes | Trickle | None | None | Yes | CB-230-1403 |  | Good | 19.4 6.22 0.1 231 0 0 0.01 4 Sampling visit: sampled trickle 11:00 from MH (CB-230-1403). Sample ID: 01667210617-01 | | | | | | | | | | | | | |
| 25-0000-0015 | 5/28/21 13:49 |  | 0.18 |  |  |  |  |  |  |  | Outfall not found. Mapping incomplete. Car wash near mapped location, flow from car wash enters catch basin in photo | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  | Screening visit: DMH-XXX-5333 looks like sewer with channel, flow & orange bacteria present. FOUND OUTFALL heavy | | | | | | | | | | | | | |
| 25-0000-0015 | 6/8/21 15:29 | 6/4/21 | 0.03 Yes | Heavy | None | None | Yes | DMH-XXX-5333 | 12 Concrete | Good | flow, lots of orange substance. Find manhole just past massage table, walk a few steps to the right of the MH, and look | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  | down | | | | | | | | | | | | | |
| 25-0000-0015 | 6/21/21 8:52 | 6/19/21 | 0.09 Yes | Heavy | None | Sewage | No | 12 Concrete | | Good | 18.92 | 5.43 | 0.7 | 1273.2 | 0 | 0.25 | 0 | 13 | <0.02 | 5 | 30.6 | 9.78 | <4 | Sampling visit: lots of orange substance, smells, suspect connection to sewer, sampled. Sample ID: 01667210621-01 and - |
|  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 01D |
| 25-0000-0016 | 6/16/20 14:38 | 6/11/20 | 0.8 No | Dry | None | None | No | 15 Concrete | | Good |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26-0000-0001 | 11/2/18 18:51 |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26-0000-0002 | 10/22/18 18:52 | 10/21/18 | 0.01 No | Dry | None | None | No | 12 Clay | | Crumbling |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26-0000-0004 | 10/22/18 18:38 | 10/21/18 | 0.01 No | Dry | Algae | None | No | 12 Concrete | | Good |  |  |  |  |  |  |  |  |  |  |  |  |  | The outfall has a small amount of green algae built up on the outlet. |
| 26-0000-0005 | 10/22/18 18:28 | 10/21/18 | 0.01 No | Dry | Algae | None | No | 12 Concrete | | Good |  |  |  |  |  |  |  |  |  |  |  |  |  | The outfall has a small build up of green algae. |
| 26-0000-0006 | 10/22/18 19:15 | 10/21/18 | 0.01 No | Dry | None | None | No | 18 Concrete | | Good |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26-0000-0007 | 10/22/18 19:07 | 10/21/18 | 0.01 No | Dry | Algae | None | No | 12 Concrete | | Good |  |  |  |  |  |  |  |  |  |  |  |  |  | The outfall has green algae built up around the outlet. |
| 26-0000-0008 | 10/22/18 19:11 | 10/21/18 | 0.01 Yes |  | None | None | Yes | Concrete Good | | | | | | | | | | | | | | | | |
| 26-0000-0008 | 5/19/21 14:50 | 5/10/21 | 0.4 No | Dry | None | None | Yes | Sampling visit: inundated  CB Concrete Good Map says the next upstream structure is a manhole but I don’t see one  I’d check the catch basins | | | | | | | | | | | | | | | | |

**Inspection Comments**

**BOD5**

**(mg/L)**

**Suspended Turbidity (NTU) Oxygen (mg/L)**

**Solids (mg/L)**

**Dissolved**

**Total**

**Total Phosphorus (mg/L)**

**(MPN/100mL)**

**(mg/L)**

**Chlorine E. coli**

**Surfactants (mg/L)**

**(mg/L)**

**(µS/cm)**

**Salinity**

**pH**

**(⁰C)**

**Condition**

**Conductivity Ammonia**

**Outfall Temperature**

**Pipe**

**Diameter Outfall Material (in)**

**First Non-Influenced Structure**

**Is Outfall Inundated or Inaccessable**

**Illicit Discharge**

**Discharge**

**of Flow Description**

**Evidence Flow Visual Evidence of Illicit Olfactory Evidence of**

**Last Last Rain Inspection Date Rainfall Fall Depth**

**Date (in)**

**Outfall ID**

26-0000-0008 6/4/21 15:59 5/31/21 0.21 No Dry PetWaste None Yes CB-241-1458

Sampling visit: CB-241-1458 & CB-241-1460 have standing water, no evidence of flow but I cannot see either outfall pipe -

either buried or inundated. could come back to screen MH. Also the outfall is a culvert so I’m not sure whether they connect to the culvert. Found a dog poop bag right on top of one of the cbs.

26-0000-0008 6/8/21 14:49 6/4/21 0.03 No Dry None None Yes DMH-XXX-4334 Screening visit: DMH-XXX-4334 12:00, 2:00, 4:00 staining but dry, outfall has wet dirt/damp

26-0000-0009 5/7/21 16:42 5/5/21 0.46 No Damp None None No 8 Concrete Fair Standing water in pipe, no evidence of flow in upstream catch basins

26-0000-0009 6/8/21 15:04 6/4/21 0.03 No Damp None None Yes DMH-XXX-4039 Screening visit: outfall has wet dirt, DMH-XXX-4039 pipes at 12:00 and 3:00 have wet dirt, DMH-XXX-4988 12:00, 10:00, 8:00 dry, 1:00 (pvc) wet but no flow, looks like its coming from CB where the pipe is damp/has wet dirt but no flow

26-0000-0010 6/17/20 12:43 6/11/20 0.8 Yes Moderate None None No 24 HDPE Good Downstream appears to be stream bed, may be culverted stream 26-0000-0010 5/14/21 17:59 5/10/21 0.4 Yes Moderate Algae None No 24 Concrete Good 15.6 6.28 0.3 689 0 <0.08 0.03 <1 Sample ID: 1630210514-06

26-0000-0011 11/2/18 19:10 The outfall may be buried under a debris pile.

26-0000-0011 5/7/21 15:45 5/5/21 0.46 No Dry None None No 10 Concrete Fair Mostly buried in yard waste 26-0000-0013 10/19/18 20:24 10/17/18 0.04 No Dry None None Yes CB 18 Concrete Good

26-0000-0014 10/19/18 17:18 10/17/18 0.04 No Dry None None No 18 Concrete Good Sediment was built up insid of the outfall. There was no evidence of illicit discharge.

26-0000-0015 5/7/21 16:22 5/5/21 0.46 No Dry None None No Concrete Good Inlet to bmp. Homeowner mentioned pet waste bags washing out of pipe in the past.

26-0000-0016 10/19/18 17:52 10/17/18 0.04 No Dry None None No 16 Concrete Good The outfall has some green algae built up on it 26-0000-0016 10/19/18 19:18 10/17/18 0.04 No Dry None None Yes CB Concrete Fair

26-0000-0017 10/22/18 19:18 10/21/18 0.01 No Dry Trash None No 18 Concrete Fair There was household waste surrounding the outfall. The outfall had no sign of illicit discharge

26-0000-0018 6/17/20 14:03 6/11/20 0.8 No Dry None None No 18 Concrete, 2 Good BMP?

26-0000-0019 10/22/18 19:02 10/21/18 0.01 Yes None None No 15 Clay Crumbling The outfall has debris built up around it.

26-0000-0019 5/28/21 14:30 5/27/21 0.02 No Dry None None No ductile iron Poor Pipe cracked on one side. 26-0000-0019a 10/22/18 19:04 10/21/18 0.01 Yes None None Yes CB 10 Corrugated metal p Fair

26-0000-0019A 5/19/21 15:10 5/10/21 0.4 Yes None None Yes CB 12 Concrete Good Sampling visit: outfall inundated. Outfall is along the fence on private property, walk around commercial building sales office past their BMP around fence to back of private property

26-0000-0019A 6/11/21 13:24 6/9/21 0.01 No Dry OilySheen None Yes CB-208-1288 DPW: CB-208-1288 has water in sump but outfall is dry (see photo) and inlet from cb across street is also dry, oily sheen though, resistant to disturbance

26-0000-0020 5/28/21 14:11 5/27/21 0.02 Yes Moderate OilySheen None No Concrete Poor Culvert inlet at mapped location. Outlet on other side of street. Catch basins in street appear to connect to culvert. Brown color and oily sheen seen at culvert inlet and outlet. Second culvert inlet near outlet of this culvert

DPW: CB-205-1284 (photo under sample location) sump has a lot of dirt and some standing water, only one visible pipe leading to actual outfall, pipe has a small trail of water and some orange substance, not flowing, no other structures to

26-0000-0020 6/11/21 13:32 6/9/21 0.01 No Damp None None Yes CB-205-1284

check according to the map. CB-205-1283 (photo under outfall photo) has only one pipe that is totally dry, pointing to opposite side of street than other cb, pointing towards side of street that it’s on, towards gazebo thing, sump has some standing water and dirt. Looks like cbs have pipes that are both leading in opposite directions.

26-0000-0021 10/22/18 18:31 10/21/18 0.01 The outfall was not found but there was a mound of material adjacent to the catchbasin and there was a pool of water in

the mound of material.

26-0000-0021 10/22/18 19:22 10/21/18 0.01 No None None No Concrete Fair The area around the outfall is filled with sediment

26-0000-0021 6/11/21 13:18 6/9/21 0.01 No Dry OilySheen None Yes CB-207-1286 DPW: both cbs filled with water, can’t see any pipes

26-0000-0022 5/7/21 14:58 5/5/21 0.46 No Dry None None Yes CB Concrete Fair Screened two catch basins upstream

26-0000-0023 6/17/20 12:52 6/11/20 0.8 Yes Trickle None None No 18 Corrugated metal Good Overgrown and behind fence. Visited as part of culvert inspections. Culvert inlet observed dry, flow from MS4 26-0000-0023 5/14/21 18:26 5/10/21 0.4 Yes Trickle None None No 18 Metal Good 17 7.09 0.3 721 0 <0.08 0 4 Outfall ID: 163210514-07

26-0000-0024 10/19/18 20:22 10/17/18 0.04 No Dry None None No 12 Concrete Crumbling

26-0000-0026 5/7/21 15:29 5/5/21 0.46 No Dry None None No 10 Concrete Fair Two pipes at mapped location, no flow in either

26-0000-0027 6/17/20 12:35 6/11/20 0.8 Yes Trickle None None Yes CB-229-1402 Outfall not located, no evidence of flow path at surface, pipe with flow observed at upstream structure

26-0000-0027 5/14/21 18:13 5/10/21 0.4 No Dry None None Yes CB-229-1393 Outfall was not located. No flow in catch basin.

26-0000-0028 5/7/21 16:06 5/5/21 0.46 No Dry None None Yes CB Concrete Crumbling Outfall not found, probably buried in yard waste. Screened catch basin. Homeowners on street said catch basin backs up during large storms

27-0000-0001 10/19/18 19:44 10/17/18 0.04 The outfall was not found but could possibly be buried

27-0000-0001 6/11/20 14:02 6/6/20 1.03 None None Not found, no evidence of flow at upstream structures

27-0000-0001 6/2/21 17:56 5/31/21 0.21 No Dry None None No Concrete Good Screening: might actually be an inlet, brings water to CB on street (dry) - read 27-02 for more background info 27-0000-0002 10/19/18 19:42 10/17/18 0.04 No Dry None None No 12 Concrete Good

Screening: inlet according to homeowner in yellow house #12, used to flood behind house #16 but then developers for some area off Washington st had to redo storm drain system to prevent flooding and made an inlet to collect any flood water to avoid flooding nearby homes, this CB (27-02) has a dry concrete pipe 6:00 leading TOWARDS the CB on the street, and a dry blue pvc 12:00 leading towards the land between houses #12 & 8

CB

Yes

None

None

Dry

0.21 No

6/2/21 17:47 5/31/21

27-0000-0002

27-0000-0003 6/11/20 14:09 6/6/20 1.03 Yes Trickle None None No 15 Concrete Good Flow appears to originate from headwall, no flow from outfall. Seep from headwall at right edge of photo

27-0000-0003 5/14/21 17:04 5/10/21 0.4 Yes Trickle Algae None No 12 Concrete Good 16.8 5.76 0.2 373 0 0.09 0.04 1 Sample ID: 1630210514-04

27-0000-0004 10/19/18 19:21 10/17/18 0.04 No Dry None None Yes 30 Concrete Fair

27-0000-0004 5/14/21 16:45 5/10/21 0.4 No Dry None None Yes CB Concrete Good Outfall inundated. No flow observed in upstream structures.

27-0000-0005 10/19/18 19:46 10/17/18 0.04 Yes None None No 10 Concrete Fair The outfall had no sign of illicit discharge

27-0000-0006 6/11/20 14:22 6/6/20 1.03 No Dry None None No 12 Concrete Fair Minor undercutting of headwall from adjacent culvert 27-0000-0007 6/11/20 14:24 6/6/20 1.03 No Dry None None No Concrete Good

27-0000-0008 10/19/18 17:14 10/17/18 0.04 Yes None None Yes 8 Clay Good The water flow was flowing into the outfall

27-0000-0008 5/14/21 17:25 5/10/21 0.4 No Dry None None Yes CB-285-1747 Outfall not located. No flow in catch basin.

27-0000-0009 10/19/18 17:17 10/17/18 0.04 Yes Algae,OilySheen None Yes 12 Concrete Poor The outfall was surround by a red algae and had an oil sheen on the water. 27-0000-0009 5/14/21 17:34 5/10/21 0.4 Yes Moderate Algae,OilySheen None No 12 Concrete Good 15.4 6.53 0.2 341 0 <0.08 0 <1 Sample ID: 1630210514-05

27-0000-0010 10/19/18 17:12 11/14/18 0.04 The outfall could not be found. There was a large pile of debris in the area where the outfall appeared to be located

27-0000-0011 10/19/18 17:09 11/14/18 0.04 Pipe was buried in vegetation and could not find the outfall. I could see flow coming from the area where the pipe appeared

to be located.

27-0000-0011 6/8/21 13:17 6/4/21 0.03 No Dry None None Yes CB-292-1787 Screening visit: CB-292-1787 all 3 pipes dry, hard to see in photo

27-0000-0011 6/11/21 11:16 6/9/21 0.01 No Dry None None Yes DMH-XXX-4864 DPW: DMH-XXX-4864 dry

27-0000-0012 10/19/18 20:27 10/17/18 0.04 No Dry None None No 15 Concrete Good There was a second pipe that had an ID = 29" OD = 24"

27-0000-0014 6/11/20 14:37 6/6/20 1.03 No Dry None None Yes DMH-XXX-3672 Unknown Not found, may tie into adjacent culvert. No flow upstream structure

Screening: (CB) DMH-XXX-3672 has dry blue pvc pipe 6:00 heading towards CB right outside 48 polley ln, CB right outside 48 polley ln is not on the map but has two pipes, both concrete, 6:00 is damp and is heading towards outfall which I think is behind 48 polley ln (not 53) and another dry concrete pipe heading towards (CB) DMH-XXX-3672 (in front of 53

27-0000-0014 6/2/21 18:32 5/31/21 0.21 No Damp None None Yes CB

polley ln) - both listed as MH but both CBs. Homeowner of 48 brought me to a pipe behind her yard, says it might be owned by Byrd Park and that it’s always flowing, sometimes see garbage. Likely a culvert - might be connected to CB in front of house. Says when it snows water drains to her backyard and across the street btwn 53 and the other house where the outfall was originally suspected to be. Took photo of outfall/culvert behind 48, had green algae. Didn’t find any mor4 upstream structures aside from these 2 CBS.

27-0000-0015 10/19/18 18:00 10/17/18 0.04 No Dry None None No 12 Concrete Good I don’t believe that this is an outfall. This is the overflow structure for the stormwater bmp where it is located.

27-0000-0017 10/19/18 17:56 10/17/18 0.04 No Dry Algae None No 15 Concrete Good The outfall has green algae built up on the outlet

27-0000-0018 10/19/18 19:25 10/17/18 0.04 No Dry Algae None No 18 Concrete Good The outfall had a build up of green algae around the outlet. Looks like it could be pollen. This outfall could be from the overflow weir of the detention basin that is part of the stormwater system for the housing development.

27-0000-0020 5/14/21 18:01 5/10/21 0.4 No Damp None None Yes DMH-XXX-4536 12 Concrete Good Inundated outfall pipe, upstream manhole (DMH-XXX-4536) in middle of road

27-0000-0020 6/4/21 17:09 5/31/21 0.21 No Dry None None Yes 10 Concrete Good Sampling visit: got to outfall, water is moving into pipe, inlet? Opened MH on sidewalk “WSS” sewer. 3 nearby MH say WSS” and closest one to sidewalk says “sewer”.

28-0000-0001 6/11/20 15:04 6/6/20 1.03 No Dry None None Yes CB-291-1777 12 Concrete Good No flow upstream structures 28-0000-0002 6/11/20 14:45 6/6/20 1.03 No Dry None None No 15 Concrete Good

28-0000-0003 6/11/20 14:58 6/6/20 1.03 No Damp None None No 24 Corrugated metal Good Stagnant water visible, not moving

28-0000-0004 6/11/20 14:49 6/6/20 1.03 Yes Moderate None None No 36 Ductile iron Good This may be culverted stream. Town should verify mapping accuracy for pipe connectivity 28-0000-0004 5/14/21 16:13 5/10/21 0.4 Yes Moderate Algae,OilySheen None No 36 Concrete Good 17.6 7.29 0.2 552 0 <0.08 0.03 26 Sample ID: 01391210514-03

28-0000-0005 4/7/21 14:46 4/1/21 0.57 No Dry None None No 10 Concrete Poor Outfall pipe cracked

28-0000-0006 4/7/21 14:59 4/1/21 0.57 No Dry None None Yes CB Outfall pipe not visible in wall. Screened two upstream catch basins, no evidence of flow

28-0000-0007 6/11/20 16:27 6/6/20 1.03 No Dry None None Yes CB-281-1723 No access, fence. Upstream structure no flow

28-0000-0008 6/11/20 16:40 6/6/20 1.03 No Dry None None Yes CB-258-1524 12 Not located, upstream structure no flow

28-0000-0009 6/11/20 16:36 6/6/20 1.03 No Dry None None Yes CB-263-1537 Not located, possibly buried under yard waste, no flow upstream structure

28-0000-0010 6/11/20 16:48 6/6/20 1.03 No Dry None None Yes CB-259-1525 12 Good Outfall Not found, upstream structure no flow 28-0000-0011 6/11/20 16:46 6/6/20 1.03 No Dry None None No 12 Ductile iron Good

28-0000-0011 5/14/21 14:49 5/10/21 0.4 No Dry None None No 12 Metal Good

28-0000-0012a 6/11/20 16:53 6/6/20 1.03 No Dry None None Yes CB-256-1522 12 Concrete Good No flow upstream structure

28-0000-0012a 6/11/20 16:58 6/6/20 1.03 No Dry None None Does not exist. Upstream structure connected to CB across street

28-0000-0012b 6/11/20 17:04 6/6/20 1.03 No Dry None None Yes CB-303-1852 12 Concrete Good Residential car washing at time of inspection. Flow had not yet reached catch basin, which was dry.

28-0000-0013 6/11/20 15:25 6/6/20 1.03 No Dry None None Yes DMH-XXX-4880 Unknown Not accessible, fence, upstream structure no flow

28-0000-0013a 6/11/20 16:18 6/6/20 1.03 No Dry None None No 12 Concrete Good outfall is completely overgrown with vegetation. no flow impairment, but impossible to get a good photo

28-0000-0014 6/11/20 15:40 6/6/20 1.03 No Dry None None Yes CB-222-1345 Could not locate, no evidence of flow path, first cb upstream (high velocity cb) dry sump

28-0000-0014 6/11/21 12:23 6/9/21 0.01 No Dry None None Yes Manhole by 4 cbs DPW: manhole across from one of the CBS, hidden near guardrail/buried, 11:00, 1:00, & outfall all dry, lots of dirt in sump.

Other MH closer to intersection has only one pipe that is visible and it is dry.

Very overgrown trying to get to from 8 Pall Mall, get to the outfall from the left of 71 Emerson st

Difficult to determine flow because the water from the outfall pipe leads directly into the pond - might be algae but also

28-0000-0015 5/14/21 17:30 5/10/21 0.4 Yes Trickle None None Yes 48 Concrete and ston Good

might just be from the pond (hard to tell)

Suggestion: take sample from the upstream structure to make sure it’s coming from the pipe and not mixed with pond water

28-0000-0015 6/2/21 18:10 5/31/21 0.21 Yes Moderate None None Yes DMH-XXX-4900 Screening: DMH-XXX-4900 moderate flow from 8:00, slight bubbles but likely natural, no flow from 11:00

28-0000-0015 6/4/21 17:32 5/31/21 0.21 Yes Heavy None None Yes DMH-XXXX-4900 18.9 7.81 0.3 580 0 0 0.00 2 Sampling visit: DMH-XXXX-4900 8:00 moderate to heavy flow, sampled. Sample ID: 01667210604-03

28-0000-0017 6/11/20 16:35 6/6/20 1.03 Not found, no upstream structure mapped, duplicate?

28-0000-0017 5/14/21 14:24 5/10/21 0.4 No Dry None None Yes CB-263-1537 Outfall not found, potentially buried by leaves, went to upstream catch basin CB-263-1537

No evidence of flow from catch basin

29-0000-0001 6/16/20 17:14 6/11/20 0.8 Yes Trickle None None No 12 Concrete Good Pipe in to former cb or dmh as evidenced by sump remnants. Outfall inundated in sump, but flow immediately downstream visible

29-0000-0001 5/14/21 15:56 5/10/21 0.4 Yes Moderate Algae,OilySheen None No 16 Concrete Good 17.3 6.62 0.4 889 0 <0.08 0.01 2 Sample ID: 1630210514-02

29-0000-0003 6/16/20 17:05 6/11/20 0.8 No Dry None None Yes DMH-XXX-3760 24 Concrete Good Limited access, first upstream structure assessed

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29-0000-0003 | 6/4/21 18:13 | 5/31/21 | 0.21 Yes | Trickle | Algae | None | No |  | Concrete | Fair | 17.2 | 7.12 | 0.1 | 303 | 0 | 0 | 0.09 | 2 | Sampling visit: got sample from outfall. Sample ID: 01667210604-04 | | | | | |
| 29-0000-0005 | 6/16/20 17:36 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-268-1668 |  | Good |  |  |  |  |  |  |  |  | Outfall not located, no flow upstream structure | | | | | |
| 29-0000-0006 | 4/7/21 13:17 | 4/1/21 | 0.57 No | Dry | None | None | No |  | 10 Concrete | Fair |  |  |  |  |  |  |  |  | One of 4 inlets to basin (possibly 5-one may be under pile of leaves). Only 2 inlets mapped. No flow in any of the inlets | | | | | |
| 29-0000-0007 | 4/7/21 13:29 | 4/1/21 | 0.57 No | Dry | None | None | No |  | 25 HDPE | Fair |  |  |  |  |  |  |  |  | Basin with 4 inlets (possibly 5-one may be under pile of leaves). Only 2 inlets mapped. No flow in any inlet | | | | | |
| 31-0000-0001 | 6/16/20 13:15 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-167-1038 | 18 Concrete | Good |  | | | | | | | | | | | | | |
| 31-0000-0002 | 6/16/20 13:21 | 6/11/20 | 0.8 No | Dry | None | None | Yes | DMH-XXX-3714 | 18 Concrete | Good |  | | | | | | | | | | | | | |
| 31-0000-0003 | 6/16/20 14:06 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-193-1253 |  |  | Outfall blocked by residential property. | | | | | | | | | | | | | |
| 31-0000-0004 | 6/16/20 13:03 | 6/11/20 | 0.8 No | Damp | None | None | Yes |  | 12 Concrete | Good |  | | | | | | | | | | | | | |
| 31-0000-0005 | 6/17/20 15:04 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 Concrete | Good |  | | | | | | | | | | | | | |
| 31-0000-0006 | 6/16/20 13:47 | 6/11/20 | 0.8 No | Damp | None | None | Yes | CB-181-1123 |  |  |  | | | | | | | | | | | | | |
| 32-0000-0001 | 6/16/20 15:12 | 6/11/20 | 0.8 Yes | Trickle | None | None | Yes | CB-150-927 |  |  | Outfall blocked by fence on private property. | | | | | | | | | | | | | |
| 32-0000-0001 | 5/28/21 16:28 | 5/27/21 | 0.02 Yes | Trickle | None | None | Yes | CB |  | Fair | Outfall inundated. Need manhole lifter to sample from CB | | | | | | | | | | | | | |
| 32-0000-0001 | 6/7/21 18:49 | 6/4/21 | 0.03 Yes | Trickle | Algae | None | Yes | 32-0000-0001 |  |  | 21.9 7.23 0.3 574 0 0 0.51 3 Sampling visit: opaque layer on top of water, dark brown or black algae? Sample ID: 01667210607-07 | | | | | | | | | | | | | |
| 32-0000-0002 | 6/16/20 15:22 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-160-985 |  |  | Outfall was blocked by private property. Pipe in catch basin was facing southeast. | | | | | | | | | | | | | |
| 32-0000-0003 | 6/16/20 15:51 | 6/11/20 | 0.8 No | Dry | None | None | Yes | DMH-XXX-4817 |  |  | Outfall blocked by residential property. | | | | | | | | | | | | | |
| 32-0000-0004 | 6/16/20 14:35 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 Concrete | Good |  | | | | | | | | | | | | | |
| 32-0000-0005 | 6/16/20 14:42 | 6/11/20 | 0.8 No | Damp | None | None | No |  | 12 Concrete | Good | Outfall water was light brown/orange. Trash was observed outside the outfall pipe. | | | | | | | | | | | | | |
| 32-0000-0007 | 6/16/20 14:32 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 18 Concrete | Good |  | | | | | | | | | | | | | |
| 32-0000-0008 | 5/28/21 12:32 | 5/27/21 | 0.02 No | Dry | None | None | Yes | CB | Concrete | Good |  | | | | | | | | | | | | | |
| 32-0000-0009 | 6/16/20 14:52 | 6/11/20 | 0.8 No | Damp | Foam | None | No |  | 24 Concrete | Good |  | | | | | | | | | | | | | |
| 32-0000-0010 | 6/16/20 15:02 | 6/11/20 | 0.8 Yes | Heavy | None | None | No |  | 32 Concrete | Good | Outfall located on concrete wall. Heavy flow going into outfall. | | | | | | | | | | | | | |
| 32-0000-0011 | 6/16/20 15:46 | 6/11/20 | 0.8 No | Damp | None | None | Yes | CB-169-1049 |  |  | Outfall blocked by residential property and fence. | | | | | | | | | | | | | |
| 33-0000-0001 | 6/11/20 16:55 | 6/6/20 | 1.03 No | Dry | None | None | Yes | CB-135-812 |  |  | Outfall was buried and blocked off. | | | | | | | | | | | | | |
| 33-0000-0002 | 6/16/20 16:42 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 Concrete | Good |  | | | | | | | | | | | | | |
| 33-0000-0003 | 6/16/20 17:24 | 6/11/20 | 0.8 No | Dry | None,PetWaste | None | Yes | CB-165-995 |  |  | Could not locate outfall. Pipe in catch basin was observed to be filled with leaves and sticks. | | | | | | | | | | | | | |
| 33-0000-0004 | 6/16/20 17:16 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 Plastic | Good |  | | | | | | | | | | | | | |
| 33-0000-0005 | 6/16/20 17:09 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-145-884 |  |  | Outfall blocked by residential property. | | | | | | | | | | | | | |
| 33-0000-0006 | 6/16/20 16:59 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-164-994 | 12 Metal | Poor | Outfall pipe and catch basin was filled with soil. | | | | | | | | | | | | | |
| 33-0000-0007 | 6/16/20 16:51 | 6/11/20 | 0.8 Yes | Moderate | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  |  |  |  |  | Outfall was partially blocked by concrete block. Outfall had a light flow. |
| 33-0000-0007 | 6/21/21 9:51 | 6/19/21 | 0.09 Yes | Heavy | None | None | No |  | Concrete | Poor | 19.8 | 6.45 | 0.6 | 1131.6 | 0 | 0.25 | 0 | 2 | <0.02 | <2 | 1.1 | 9.55 | <4 | Sampling visit: heavy flow, lots of orange substance. Sample ID: 01667210621-02 |
| 33-0000-0008 | 6/16/20 16:56 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 Concrete | Poor |  |  |  |  |  |  |  |  |  |  |  |  |  | Mouth of outfall was cracked and falling apart. |
| 33-0000-0009 | 6/17/20 13:32 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-177-1089 | 15 Concrete | Good |  |  |  |  |  |  |  |  |  |  |  |  |  | Outfall is in culvert, dmh paved over, visited three upstream CBs no flow from all 3. Pipe connectivity incorrect |
| 33-0000-0010 | 6/16/20 18:21 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 33-0000-0011 | 6/16/20 17:55 | 6/11/20 | 0.8 Yes | Trickle | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 33-0000-0011 | 6/21/21 10:22 | 6/19/21 | 0.09 Yes | Trickle | None | None | No |  | Concrete | Good | 20.09 | 6.72 | 0.4 | 787.2 | 0.5 | 0 | 0.23 | 10 | <0.02 | 2 | 9.72 | 9.4 | <4 | Sampling visit: outfall has some standing water but flow (a trickle) is visible, orange substance, sampled. Sample ID:  01667210621-03 |
| 33-0000-0012 | 6/16/20 17:47 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 30 Plastic | Good |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 33-0000-0013 | 4/7/21 17:32 | 4/1/21 | 0.57 No | Dry | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 33-0000-0014 | 6/16/20 15:59 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-174-1078 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Outfall blocked by residential property. |
| 33-0000-0015 | 6/16/20 18:40 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-152-952 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Outfall blocked by residential property. Picture is of catch basin. |
| 33-0000-0016 | 6/16/20 18:27 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 33-0000-0017 | 4/7/21 17:45 | 4/1/21 | 0.57 |  |  |  | Yes | CB-2851 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Outfall not found |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DPW visit: DMH-XXX-5416 1st upstream structure- both pipes full of stagnant water, 2nd US. DMH-XXX-5416 Same |
| 33-0000-0017 | 6/11/21 8:20 | 6/9/21 | 0.01 Yes | Heavy | None | None | Yes | DMH-XXX-5415 |  | Good | 16.7 / 16.15 | 5.67 / 5.94 | 0.3 / 0.3 | 528.9 / 546.9 | 0 / 0 | 0 / 0 | 0.03 / 0.01 | 6 / 101 | <0.02 / 0.38 | <2 / <2 | 0.25 / 2.11 | 8.58 / 8.66 | <4 / <4 | inundation but no flow. Orange foam inside. Picture 8:27am. Other one - return later w/o DPW. DMH-XXX-5415 3rd US |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | along busy road has flow, Heavy flow 12:00 some algae - Sample ID: 01667210611-01, Trickle 9:00 orange substance - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Sample ID: 01667210611-02, 3:00 wet with orange substance but no flow evident. Photo 8:36. Values given as -0.1 / -0.2 |
| 34-0000-0001 | 6/17/20 13:49 | 6/11/20 | 0.8 No | Dry | None | None | Yes | CB-191-1248, CB-191-1247 | Concrete | Good |  |  |  |  |  |  |  |  | Culvert outlet, assessed during road-stream crossing assessment. Catch basins discharge directly, no flow besides from  culvert. | | | | | |
| 34-0000-0001a | 11/11/19 18:55 | 11/7/19 | 0.25 Yes | Moderate | Algae | None | No |  | 18 Concrete | Good |  |  |  |  |  |  |  |  |  | | | | | |
| 34-0000-0001a | 5/19/21 19:11 | 5/10/21 | 0.4 Yes | Moderate | None | None | No |  | 24 Concrete | Good | 17.9 | 6.55 | 0.5 | 1092 | 0 | <0.08 | 0.01 | <1 | Sampling visit: musty smell coming from pond. Orange substance in pipe. Sample ID: 01667210519-03 | | | | | |
| 34-0000-0002 | 11/11/19 18:20 | 11/7/19 | 0.25 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  | | | | | |
| 34-0000-0003 | 1/15/20 17:11 | 1/14/20 | 0.01 No | Dry | None | None | No |  | 15 Concrete | Good | Minor sedimentation in pipe invert. Could not access outfall directly due to vegetation (thorns) and unstable slope (dumped  landscaping materials) | | | | | | | | | | | | | |
| 34-0000-0004 | 6/17/20 13:40 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 Concrete | Good |  | | | | | | | | | | | | | |
| 34-0000-0005 | 6/17/20 13:23 | 6/11/20 | 0.8 No | Trickle | None | None | Yes | CB-170-1060 | 18 CONCRETE | Good | Outfall mismapped, is culvert inlet. No flow upstream structure | | | | | | | | | | | | | |
| 34-0000-0006 | 6/16/20 19:14 | 6/11/20 | 0.8 Yes | Moderate | Algae | None | No |  | 15 HDPE | Good | Possibly gleyed soil, claylike texture in scour pool. May bculverted stream, cross check against culvert inspection | | | | | | | | | | | | | |
| 34-0000-0006 | 5/19/21 18:47 | 5/10/21 | 0.4 Yes | Moderate | Algae | None | No | 24 Black plastic | | Good | 17.2 | 6.7 | 0.2 | 507 | 0 | <0.08 | 0 | <1 | Sampling visit: able to collect sample. Water is clear. Huge pile of sticks and leaves encroaching on outfall. Sample ID:  01667210519-02 | | | | | |
| 34-0000-0007 | 6/16/20 19:21 | 6/11/20 | 0.8 |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | Not found, no upstream structure on map | | | | | |
| 34-0000-0008 | 6/16/20 19:02 | 6/11/20 | 0.8 Yes | Trickle | None | None | No | 12 HDPE | | Good |  |  |  |  |  |  |  |  | Possible culvert, cross check against culvert inspections | | | | | |
|  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | Sampling visit: water is clear, able to take a sample from outfall pipe | | | | | |
| 34-0000-0008 | 5/19/21 17:55 | 5/10/21 | 0.4 Yes | Moderate | None | None | No | 12 Black plastic | | Good | 17.4 | 6.24 | 0.2 | 455 | 0 | <0.08 | 0.02 | <1 | Green triangle on map did not have an associated outfall ID so I used the one from the adjacent blue square 34-0000- | | | | | |
|  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | 0008. Sample ID: 01667210519-01 and -01D | | | | | |
| 34-0000-0009 | 10/22/19 19:28 | 10/17/19 | 1.91 No | Dry | None | None | No | 12 Ductile iron | | Poor |  |  |  |  |  |  |  |  | Located next to culvert | | | | | |
| 34-0000-0010 | 5/28/21 14:59 | 5/27/21 | 0.02 Yes | Moderate | None | None | No | 10 Cmp | | Poor |  |  |  |  |  |  |  |  | Culvert inlet at mapped location. Outlet on other side of street. Catch basin in street tied in. | | | | | |
| 34-0000-0010 | 6/2/21 16:57 | 5/31/21 | 0.21 No | Dry | None | None | Yes | CB-158-977 |  | | Screening: CB-158-978 is totally dry, CB-158-977 is wet, sump full, but no flow. Pictures are hard to see, didn’t stay long,  fast-moving cars. MH in middle of road. | | | | | | | | | | | | | |
| 34-0000-0011 | 6/17/20 13:09 | 6/11/20 | 0.8 Yes | Moderate | None | None | No |  | Good | | Outfall pipe angle doesn’t make sense relative to drainage alignment, verify mapping | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  | | Sampling visit: outfall inundated | | | | | | | | | | | | | |

34-0000-0011 5/19/21 15:28 5/10/21 0.4 Yes Trickle None None Yes 12 Concrete Good

34-0000-0011 6/4/21 14:36 5/31/21 0.21 Yes Heavy Algae Musty Yes DMH-XXX-4603 16.9 / 17.7 7.43 / 6.73 0.3 / 0.3 541 / 559 0 / 0 0 / 0 0.01 / 0.00 3 / 921

Green triangle on map was listed as “no title” so I labeled this point with the outfall ID from the adjacent blue square on the map

Revisit manhole

Sampling visit: DMH-XXX-4603, heavy fast flow 1:00 (sample 1 and 1D), pipe has bright orange substance, some dark algae. 10:00 (sample 2) has moderate flow, but pipe is also discharging into relatively full sump,slight orange, some dark algae. 7:00 doesn’t appear to be flowing but pipe has water circling around in it, likely from the flow from the other pipes, very slight orange, more algae than others. Outfall bright orange. Sample ID: 01667210604-01, -01D, and -02. Values given as -01 / -02

34-0000-0012 5/7/21 14:45 5/5/21 0.46 No Dry None None No Unable to locate outfall in growth around pond. Screened two upstream catch basins, no evidence of flow

34-0000-0013 5/7/21 14:03 5/5/21 0.46 Yes Moderate None None No 8 Concrete Fair Two pipes at location, both flowing moderately

34-0000-0013 5/28/21 18:18 5/27/21 0.02 Yes Trickle None None No Concrete Good 15.5 7.54 0.5 658 0 0.25 0.01 2420 Sample ID: 0163020210528-02. Two outfalls at location, both flowing. Sample taken from outfall on the right

34-0000-0014 5/7/21 13:56 5/5/21 0.46 Yes Moderate None None No 20 Concrete Fair

34-0000-0014 5/28/21 18:18 5/27/21 0.02 Yes Trickle None None No Concrete Poor 14.3 7.48 0.5 938 0 0.25 0.02 5 Sample ID: 0163020210528-01 and -01D

34-0000-0016 10/22/19 19:20 10/17/19 1.91 No Dry None None No 12 Concrete Fair

34-0000-0017 10/22/19 18:53 10/17/19 1.91 Yes Trickle None None Yes MH 30 Concrete Fair Trickle of flow from pipe draining from 156 Carpenter rd that runs parallel to margarite rd Sampling visit: lots of green algae, thick coating on surface

34-0000-0017 5/19/21 17:39 5/10/21 0.4 No Damp Algae None Yes MH 36 Concrete Good

Standing water in pipe- no clear flow Revisit to check MH

34-0000-0017 6/4/21 14:20 5/31/21 0.21 No Dry None None Yes CB-136-813 Sampling: car parked over MH, CB-136-813 outfall pipe buried in dirt in sump, other pipe dry - hard to see in photo

34-0000-0018 4/7/21 16:38 4/1/21 0.57 Outfall not found.

34-0000-0019 11/11/19 14:08 11/7/19 0.25 No Damp None None No 12 Ductile iron Good

34-0000-0020 6/2/21 16:07 5/31/21 0.21 Screening: unable to find 34-20 or any upstream structures, only found a sewer MH right where the map shows the MH,

Looks like there is only one MH & 2CBs that most likely belong to 34-19

34-0000-0021 5/7/21 14:36 5/5/21 0.46 Yes Trickle None None Yes CB Concrete Fair Culvert with one catch basin tied in. No flow in catch basin, flow from inlet on other side of road. (Images won’t upload, they’re saved on tablet)

35-0000-0001 6/16/20 17:58 6/11/20 0.8 No Dry None None No 24 Concrete Fair Bricks supporting(?) flared end section

35-0000-0002 6/16/20 18:14 6/11/20 0.8 Pipe appears to continue thru golf course. Did not pursue. No upstream structure identified to assess

35-0000-0002 6/8/21 14:29 6/4/21 0.03 No Dry None None Yes MH Screening visit: screened 4 MHS, all dry or damp, photos on grey ipad 9:46-10:22 6-7-21

36-0000-0002 5/14/21 16:38 5/10/21 0.4 No Dry None

None

Yes DMH-XXX-4943 Couldn’t find outfall pipe - map is directing me towards the middle of someone’s front yard for the outfall pipe

locationLooked at dry upstream catch basin DMH-XXX-4943 (is definitely a catch basin and not a manhole)

38-0000-0001 10/15/19 18:12 10/11/19 0.15 No Dry None None No 18 Corrugated metal Fair

38-0000-0002 10/15/19 18:20 10/11/19 0.15 No Dry None None No 18 Concrete Fair

38-0000-0003 10/15/19 19:59 10/11/19 0.15 No Dry None None No 12 Concrete Fair

38-0000-0004 10/15/19 19:54 10/11/19 0.15 Yes Damp None None No 18 Concrete Fair

38-0000-0004 6/21/21 11:13 6/19/21 0.09 Yes Trickle None None No Fair 21.78 6.87 0.3 622.8 0 0 0.1 22 <0.02 1.54 8.64 <4 Screening visit: this is an inlet, water trickling down rocks on hill into outfall (see photo). Opened corresponding MH: trickle

from inlet 11:00 sampled, 2:00 dry. Sample ID: 01667210621-04

38-0000-0005 10/15/19 19:46 10/11/19 0.15 No Dry None None No 15 Concrete Fair

38-0000-0006 10/15/19 18:00 10/11/19 0.15 Yes None None Yes Concrete Poor

Outfall is submerged. Unable to measure structure. Need to return to open upstream structure

38-0000-0006 5/25/21 18:26 5/10/21 0.4 Yes Trickle Foam Musty,Sewage Yes DMH-XXX-4754 17.5 6.67 0.7 1055 0 0.25 0.02 1 0.02

Sampling visit: outfall inundated

Opening and sampling from DMH-XXX-4754, not enough flow to sample from individual pipes (10:00, 12:00, 2:00) so I am sampling from where the three pipes meet and discharge into the pipe that ultimately leads to the outfall

10 is wet/damp, 12 has a clear trickle, 2 has orange brown sludge, there is some white foam between 12 & 2. Sample ID: 01667210525-03

38-0000-0007 10/15/19 19:40 10/11/19 0.15 No Dry None None No 12 Concrete Poor Outfall is more than half blocked with debris

39-0000-0001

39-0000-0002

6/16/20 12:53 6/11/20

6/16/20 12:41 6/11/20

0.8 No

0.8 No

Damp Damp

None None

None None

Yes No

CB-119-707

12 Concrete

24 Concrete

Good Good

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Outfall ID** | **Inspection Date** | **Last Rainfall**  **Date** | **Last Rain Evidence Fall Depth of Flow**  **(in)** | **Flow Description** | **Visual Evidence of Illicit Discharge** | **Olfactory Evidence of Illicit Discharge** |  | **Is Outfall Inundated or**  **Inaccessable** | **First Non-Influenced Structure** | **Pipe**  **Diameter Outfall Material (in)** | **Outfall Condition** | **Temperature (⁰C)** | **pH** | **Salinity** | **Conductivity (µS/cm)** | **Ammonia (mg/L)** | **Surfactants (mg/L)** | **Chlorine (mg/L)** | **E. coli (MPN/100mL)** | **Total Phosphorus**  **(mg/L)** | **Total Suspended**  **Solids (mg/L)** | **Turbidity (NTU)** | **Dissolved Oxygen (mg/L)** | **BOD5**  **(mg/L)** | **Inspection Comments** |
| 29-0000-0003 | 5/14/21 15:25 | 5/10/21 | 0.4 Yes | Trickle | Algae,OilySheen | None | No | 36 Concrete | | | Fair | Outfall is rounded on top and rectangular on the bottom  Green algae, orange substance, oily sheen | | | | | | | | | | | | | |

**Inspection Comments**

**BOD5**

**(mg/L)**

**Suspended Turbidity (NTU) Oxygen (mg/L)**

**Solids (mg/L)**

**Dissolved**

**Total**

**Total Phosphorus (mg/L)**

**(MPN/100mL)**

**(mg/L)**

**Chlorine E. coli**

**Surfactants (mg/L)**

**(mg/L)**

**(µS/cm)**

**Salinity**

**pH**

**(⁰C)**

**Condition**

**Conductivity Ammonia**

**Outfall Temperature**

**Pipe**

**Diameter Outfall Material (in)**

**First Non-Influenced Structure**

**Is Outfall Inundated or Inaccessable**

**Illicit Discharge**

**Discharge**

**of Flow Description**

**Evidence Flow Visual Evidence of Illicit Olfactory Evidence of**

**Last Last Rain Inspection Date Rainfall Fall Depth**

**Date (in)**

**Outfall ID**

39-0000-0003 10/15/19 17:48 10/11/19 0.15 Yes Damp PetWaste None No 18 Concrete Fair Pet waste bag in outfall

metal bars

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 39-0000-0003 | 5/25/21 16:59 | 5/10/21 | 0.4 Yes | Trickle | Algae | None | Yes | DMH-XXX-4759 |  | Good | 15.9 | 6.06 | 0.3 | 557 | 0 | 0 | 0 | 10 | <0.02 | sampling visit: outfall inundated, light oily sheen and some algae - could this be a culvert? Sample ID: 01667210525-02  screened in manhole DMH-XXX-4759, pipe leading from CB-103-605 is damp, other is dry, could not get sample here | | | |
| 39-0000-0004 | 6/11/20 15:55 | 6/6/20 | 1.03 No | Dry | None | None | Yes | CB-102-595 |  |  |  |  |  |  |  |  |  |  |  | Outfall blocked by fence on private property. | | | |
| 40-0000-0001 | 6/11/20 16:08 | 6/6/20 | 1.03 No | Dry | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  | Outfall A. In this same location is another outfall approximately 20 feet northeast. | | | |
| 40-0000-0001 | 6/11/20 16:12 | 6/6/20 | 1.03 No | Dry | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  | Outfall B. In the same location is another outfall approximately 20 feet southwest. (See outfall A inspection) | | | |
| 40-0000-0002 | 6/11/20 16:24 | 6/6/20 | 1.03 No | Dry | None | None | No |  | 16 Concrete | Good |  |  |  |  |  |  |  |  |  |  | | | |
| 40-0000-0003 | 5/25/21 15:35 | 5/25/21 | 0.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Screening visit: outfall buried by yard waste, checked upstream catch basin and it is dry | | | |
| 40-0000-0004 | 6/11/20 16:36 | 6/6/20 | 1.03 No | Dry | None | None | Yes | CB-126-745 |  |  |  |  |  |  |  |  |  |  |  | Outfall blocked by residential fencing. | | | |
| 40-0000-0005 | 6/11/20 16:41 | 6/6/20 | 1.03 No | Dry | None | None | Yes | CB-126-746 |  |  |  |  |  |  |  |  |  |  |  | Outfall blocked by residential fence. | | | |
| 40-0000-0006 | 6/11/20 14:39 | 6/6/20 | 1.03 No | Dry | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  |  | | | |
| 40-0000-0007 | 6/11/20 14:55 | 6/6/20 | 1.03 No | Dry | None | None | Yes | CB-92-524 |  |  |  |  |  |  |  |  |  |  |  | No flow was observed in either two catch basins. Outfall not accessible due to private property. | | | |
| 40-0000-0008 | 6/11/20 15:06 | 6/6/20 | 1.03 No | Dry | None | None | Yes | CB-91-521 |  |  |  |  |  |  |  |  |  |  |  | Outfall was through public property and was not accessible. | | | |
| 41-0000-0001 | 6/11/20 17:18 | 6/6/20 | 1.03 Yes | Moderate | Foam | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  |  | | | |
| 41-0000-0001 | 5/25/21 14:16 | 5/10/21 | 0.4 Yes | Moderate | Algae,Floatables | None | No |  | 12 Concrete | Good | 16.5 | 5.79 | 0.3 | 431 | 0 | 0 | 0.02 | <1 |  | Sampling visit: green algae coating bottom of outfall pipe, indicates flow has likely been higher, trash near pipe in pond.  Sample ID: 01667210525-01 and -01D | | | |
| 41-0000-0002 | 4/7/21 17:13 | 4/1/21 | 0.57 No | Dry | None | None | Yes | CB-867 |  |  |  |  |  |  |  |  |  |  |  | Outfall not found/blocked by residential properties. MH in someone’s backyard. CB dry. | | | |
| 41-0000-0003 | 4/7/21 17:19 | 4/1/21 | 0.57 No | Dry | None | None | No |  | 17 Concrete | Good |  |  |  |  |  |  |  |  |  |  | | | |
| 41-0000-0004 | 4/7/21 17:09 | 4/1/21 | 0.57 No | Dry | None | None | No |  | 24 Concrete | Good |  |  |  |  |  |  |  |  |  |  | | | |
| 41-0000-0004 | 5/25/21 13:48 | 5/10/21 | 0.4 No | Dry | None | None | No |  | 24 Concrete | Good |  |  |  |  |  |  |  |  |  | Screening visit: dry | | | |
| 42-0000-0001 | 10/22/19 18:31 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 10 Concrete | Poor |  |  |  |  |  |  |  |  |  | End of pipe is broken see photo | | | |
| 42-0000-0003 | 10/22/19 18:41 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 12 Concrete | Crumbling |  |  |  |  |  |  |  |  |  | Outfall is blocked with sediment and pipe is crumbling | | | |
| 42-0000-0004 | 10/22/19 18:19 | 10/17/19 | 1.91 Yes | Damp | None | None | No |  | 18 Concrete | Poor |  |  |  |  |  |  |  |  |  |  | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Sampling visit: water inside outfall pipe, bottom is obscured either by water or dirt, channel is dry, looks like water would | | | |
| 42-0000-0004 5/19/21 15:54 5/10/21 0.4 No Damp Floatables None No 24 Concrete Fair have to travel uphill to leave outfall  It is possible it hasn’t dried since last rainfall - need to revisit | | | | | | | | | | | | | | | | | | | | | | | |
| 42-0000-0004 | 6/4/21 13:20 | 5/31/21 | 0.21 No | Dry | None | None | Yes | CB-111-664 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Sampling visit: CBs are dry, inundated pipes heading towards outfall but dry pipes coming in. Picture is from CB-111-664,  too dark to get picture from CB-111-664, but exact same condition, outfall still has standing water but no flow |
| 42-0000-0005 | 4/7/21 16:14 | 4/1/21 | 0.57 Yes | Trickle | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Sampling visit: DMH-XXX-4626 looks like a sewer with the little channel but I opened the correct structure according to the |
| 42-0000-0005 | 6/4/21 13:44 | 5/31/21 | 0.21 No | Dry | None | None | Yes | DMH-XXX-4626 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | map and there’s a sewer MH right nearby. Standing water but no moving water, no evidence of flow. Next upstream |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | structure looks paved over. |
| 42-0000-0006 | 4/7/21 16:23 | 4/1/21 | 0.57 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Outfall not found. |
| 42-0000-0006 | 5/28/21 15:13 | 5/27/21 | 0.02 No | Dry | None | None | Yes | CB |  | Crumbling |  |  |  |  |  |  |  |  |  |  |  |  | Outfall pipe not found. Assumed that pipe collapsed. Sink hole filled with water where pipe would be. CBs are inundated,  no evidence of flow. Also dead frog. |
| 42-0000-0007 | 10/22/19 17:48 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 42-0000-0008 | 10/22/19 17:45 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 43-0000-0001 | 6/16/20 18:21 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  |  |  |  | Outfall inaccessible across fairway, upstream structure no flow |
| 44-0000-0001 | 6/17/20 15:31 | 6/11/20 | 0.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Inaccessible behind fences, upstream structures unopenable. Revisit |
| 44-0000-0001 | 4/7/21 15:39 | 4/1/21 | 0.57 |  |  |  | Yes | CB-705 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Outfall not accessible due to residential fence. |
| 44-0000-0001 | 6/8/21 19:19 | 6/4/21 | 0.03 No | Dry | None | None | Yes | DMH-XXX-4191 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Screening visit: DMH-XXX-4191 2:00 dry, 3:00 & 9:00 ever so slightly damp, 3:00 had some orange substance. Outfall  pipe dry. |
| 44-0000-0002 | 10/15/19 18:45 | 10/11/19 | 0.15 No | Dry | None | None | No |  | 12 Ductile iron | Fair |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 44-0000-0003 | 10/15/19 19:03 | 10/11/19 | 0.15 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 44-0000-0004 | 10/15/19 19:08 | 10/11/19 | 0.15 Yes | Trickle | None | None | No |  | 18 Concrete | Fair |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 44-0000-0004 | 6/21/21 12:24 | 6/19/21 | 0.09 Yes | Trickle | None | None | No |  | Concrete | Good | 20.83 | 6.61 | 0.4 | 774.2 | 0 | 0.25 | 0.07 | 2 | <0.02 | 3.81 | 8.86 | <4 | Sampling visit: trickle, sample ID: 01667210621-05 |
| 44-0000-0005 | 10/15/19 19:16 | 10/11/19 | 0.15 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 44-0000-0006 | 10/15/19 19:20 | 10/11/19 | 0.15 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 44-0000-0007 | 10/15/19 19:26 | 10/11/19 | 0.15 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 44-0000-0008 | 6/21/21 12:14 | 6/19/21 | 0.09 No | Dry | None | None | No | 24 Concrete with | | Fair | | | | | | | | | | | | | |

44-0000-0009 10/15/19 18:53 10/11/19 0.15 No Dry None None No 12 Concrete Fair

Screening/sampling visit: dry

45-0000-0001 10/15/19 17:28 10/11/19 0.15 No Dry None None No 12 Concrete Fair Two 12 inch pipes, both dry

45-0000-0002 6/17/20 15:43 6/11/20 0.8 Not found, paper road. No evidence of drainage alignment. Verify mapping, revisit

45-0000-0002 4/7/21 15:23 4/1/21 0.57 No None None No Outfall not found. Only one catch basin was found.

45-0000-0003 5/25/21 16:43 5/10/21 0.4 No Dry None None Yes CB-72-434 Screening visit: can not locate outfall, likely buried by leaves, CB-72-434 is dry (tried checking the closer catch basin but could not see pipe, too dark)

46-0000-0001 6/11/20 15:41 6/6/20 1.03 No Dry None None No 12 Plastic Good Two side by side 12 inch outfalls.

46-0000-0002 6/11/20 14:10 6/6/20 1.03 Yes Moderate Foam,SanitaryWaste Sewage No 24 Concrete Good Light flow from outfall. Light sewage smell observed.

46-0000-0002 5/25/21 16:24 5/10/21 0.4 Yes OilySheen Sewage Yes CB 12 Concrete Good Sampling visit: outfall inundated with red/brown sludge, first structure is CB-76-453 but it looks inundated as well (see photo), revisit with DPW to sample MH

Sampling visit: DMH-XXX-4731 can barely see outfall pipe, floatable (packing peanuts, nips, etc.) can barely see the top of

46-0000-0002 6/17/21 11:36 6/14/21 0.65 Yes Trickle None Musty Yes DMH-XXX-3915 Good 22.1 6.3 0.9 1706 1 0.25 0 28

the outfall pipe under dirt/water, don’t see any other pipes leading in. Next MH DMH-XXX-3530 is also inundated, lots of orange substance(see outfall image). Sample ID: 01667210617-02

46-0000-0003 6/11/20 13:18 6/6/20 1.03 No Dry None None Yes CB-70-426 Both CBs in catchment inspected, no flow, suspect catchment tied into outfall 46-10

46-0000-0004 6/11/20 12:38 6/6/20 1.03 No Dry None None No 24 Concrete Good Less than half full sediment. Some litter from industrial site

46-0000-0005 6/11/20 12:47 6/6/20 1.03 No Dry None None No 12 Concrete Good Pipe capped 46-0000-0006 6/11/20 13:39 6/6/20 1.03 No Dry None None No 12 Concrete Good

46-0000-0007 6/11/20 13:32 6/6/20 1.03 No Dry None None No 24 Concrete Good

46-0000-0008 6/11/20 15:48 6/6/20 1.03 No Foam None Yes CB-93-531 Outfall blocked by fence on private property.

46-0000-0009 6/11/20 14:19 6/6/20 1.03 No Damp SanitaryWaste None No 12 Concrete Good

46-0000-0009 5/25/21 16:05 5/10/21 0.4 Yes OilySheen None Yes MH Sampling visit: outfall is buried under leaves but there is a big pool of orange/brown sludge where the outfall pipe should be

discharging to, slight oily sheen, no smell, need DPW to sample DMH-XXX-4731

Sampling visit: DMH-XXX-4731 can barely see outfall pipe, floatable (packing peanuts, nips, etc.) can barely see the top of

46-0000-0009 6/17/21 10:54 6/14/21 0.65 No Damp Floatables Musty Yes DMH-XXX-4731

the outfall pipe under dirt/water, don’t see any other pipes leading in. Next MH DMH-XXX-3530 is also inundated, lots of orange substance (see outfall image).

46-0000-0010 6/11/20 13:07 6/6/20 1.03 None None Yes CB 18 Concrete Good Outfall inundated, upstream structure paved over, no obvious evidence of flow but unable to determine no flow 47-0000-0001 10/22/19 15:19 10/17/19 1.91 No Dry None None No 12 Plastic Good

47-0000-0002 6/2/21 15:14 5/31/21 0.21 No Dry None None Yes DMH-XXX-3826 Screening: DMH-XXX-3826 dry

47-0000-0003 10/22/19 15:08 10/17/19 1.91 No Dry None None No 12 Concrete Poor

47-0000-0004 10/22/19 14:20 10/17/19 1.91 No Dry None None No 15 Concrete Poor

47-0000-0006 10/30/19 16:35 10/27/19 1.46 Yes Moderate None None No 12 Concrete Good

47-0000-0006 6/17/21 14:22 6/14/21 0.65 Yes Heavy None None Yes DMH-XXX-3866 Good Screening: heavy flow, trash, think this is a buried river. Checked DMH-XXX-3866 looks like 9:00 is flowing into 6:00 (outfall), both cbs 1:00 & 4:00 are dry. Maybe figure out where river connects and revisit?

47-0000-0008 10/22/19 14:58 10/17/19 1.91 No Dry None None No 18 Concrete Fair

48-0000-0001 6/2/21 15:30 5/31/21 0.21 No Dry None None Yes DMH-XXX-3993 Screening: DMH-XXX-3993 9:00 & 3:00 dry

48-0000-0002 10/22/19 17:18 10/17/19 1.91 No Dry None None Yes Unknown Pipe is completely submerged. Unable to assess condition or measure pipe. Assume it is a 12 in pipe.

Can’t find upstream structure.

48-0000-0003 10/22/19 17:31 10/17/19 1.91 No Dry None None No 18 Concrete Fair

51-0000-0001 4/7/21 14:51 4/1/21 0.57 No Dry None None No 18 Concrete Good

51-0000-0002 10/15/19 17:08 10/11/19 0.15 No Dry None None No 15 Concrete Fair

51-0000-0003 10/15/19 17:17 10/11/19 0.15 No Dry None None No 18 Concrete Fair

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 52-0000-0001 | 10/15/19 15:55 | 10/11/19 | 0.15 No | Dry | None | None | No | 18 Concrete | | Fair | | | | | | | | | | | | | | |
| 52-0000-0002 | 10/15/19 15:20 | 10/11/19 | 0.15 |  | None | None | Yes | MH | 28 Concrete | Poor | Headwall in poor condition. First MH is inundated. Need to return. | | | | | | | | | | | | | |
| 53-0000-0001 | 6/2/21 14:54 | 5/31/21 | 0.21 No | Dry | None | None | Yes | DMH-XXX-3889 |  |  | Screening: DMH-XXX-3889 all 4 pipes dry, 12:00 is slightly damp - checked that CB and its totally dry | | | | | | | | | | | | | |
| 53-0000-0002 | 6/2/21 14:44 | 5/31/21 | 0.21 No | Dry | None | None | Yes | CB-54-361 |  |  | Screening: CB-54-361 in photo, both CBS dry, 2 nearby MH both have sewer lids | | | | | | | | | | | | | |
| 53-0000-0003 | 10/22/19 13:14 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 12 Ductile iron | Fair |  | | | | | | | | | | | | | |
| 53-0000-0004 | 10/22/19 13:23 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 12 Concrete | Poor | Outfall pipe is blocked with rocks/trash. End of pipe is completely broken off. See photo. | | | | | | | | | | | | | |
| 53-0000-0005 10/22/19 13:02 10/17/19 1.91 No Dry None None No Corrugated metal Fair Appears to actually be a dry culvert, not an outfall. Looked on both sides of road and in area for another structure but didn’t  find one | | | | | | | | | | | | | | | | | | | | | | | | |
| 53-0000-0006 | 6/2/21 14:16 | 5/31/21 | 0.21 No | Damp | None | None | Yes | DMH-XXX-4147 |  |  | Screening: DMH-XXX-4147 man hole - both pipes inundated, photo taken from direction of outfall pipe, go back to sample  from DMH-XXX-4146 | | | | | | | | | | | | | |
| 53-0000-0006 | 6/17/21 14:05 | 6/14/21 | 0.65 No | Damp | None | None | No |  |  | Good | Screening visit: outfall in MH, DMH-XXX-4147 outfall pipe still inundated, DMH-XXX-4146 some water in sump, 11:00 wet  dirt, 12:00 dry, 1:00 some standing water looks to be trapped by dirt/sticks etc. no current flow, outfall has some standing | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  | water, no current flow. | | | | | | | | | | | | | |
| 53-0000-0007 | 6/2/21 14:26 | 5/31/21 | 0.21 No | Damp | None | None | Yes | DMH-XXX-4148 |  |  | Screening: screened manhole, DMH-XXX-4148, looks like there’s some orange substance and lots of dirt, not inundated  but some standing water that looks trapped by the dirt down there, no flow evident. Took a picture of where the outfalls | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  | likely are, they connect in with a culvert | | | | | | | | | | | | | |
| 53-0000-0007 | 6/17/21 14:00 | 6/14/21 | 0.65 No | Damp | None | None | Yes | DMH-XXX-4146 |  | Good | Screening visit: wet dirt, no flow | | | | | | | | | | | | | |
| 53-0000-0008 | 10/22/19 16:11 | 10/17/19 | 1.91 Yes | Heavy | None | None | No |  | 24 Concrete | Fair | Heavy flow. Homeowner says it is constantly flowing and never dries up. Possible buried stream? | | | | | | | | | | | | | |
| 53-0000-0008 | 6/17/21 15:07 | 6/14/21 | 0.65 No | Dry | None | None | No | CB-55-363 |  |  | Sampling/screening visit: couldn’t find outfall or first US, screened what I believe is CB-55-363 and it’s dry | | | | | | | | | | | | | |
| 53-0000-0009 | 10/22/19 16:24 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 18 Plastic | Good |  | | | | | | | | | | | | | |
| 53-0000-0010 | 10/22/19 16:29 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 18 Concrete | Fair |  | | | | | | | | | | | | | |
| 53-0000-0011 | 10/22/19 16:47 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 30 Concrete | Fair | Interior of pipe in poor condition, otherwise fair | | | | | | | | | | | | | |
| 53-0000-0012 | 6/2/21 14:02 | 5/31/21 | 0.21 Yes | Moderate | None | None | Yes | DMH-XXX-4022 |  |  | Screening: manhole DMH-XXX-4022 has flow, 9:00 has moderate to heavy flow, 11:00 has a trickle | | | | | | | | | | | | | |
| 53-0000-0012 | 6/21/21 13:30 | 6/19/21 | 0.09 Yes | Heavy | None | None | Yes | DMH-XXX-4022 |  | Good | 22.03 | 6.29 | 0.5 | 1025.5 | 0 | 0.25 | 0 | 20 | <0.02 | <2 | 0.39 | 9.32 | <4 | Sampling visit: DMH-XXX-4022 one drop every few seconds from 11:00, heavy flow from 9:00, sampled from outlet.  Sample ID: 01667210621-06 |
| 53-0000-0013 | 6/17/20 16:16 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 53-0000-0014 | 4/7/21 16:00 | 4/1/21 | 0.57 No | Dry | None | None | No |  | PVC | Good |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| 53-0000-0016 | 10/22/19 13:43 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 12 Concrete | Poor |  |  |  |  |  |  |  |  | End of pipe is broken off and covered by rock. See photo. Inspection done from point at which pipe is broken. |
| 53-0000-0017 | 10/22/19 12:51 | 10/17/19 | 1.91 No | Dry | None | None | No |  | 8 Plastic | Fair |  |  |  |  |  |  |  |  |  |
| 54-0000-0001 | 6/17/20 16:26 | 6/17/20 | 0.8 No | Dry | None | None | No |  | 12 Concrete | Good |  |  |  |  |  |  |  |  | Some debris at outfall |
| 54-0000-0002 | 6/17/20 16:36 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 15 Concrete | Good |  |  |  |  |  |  |  |  | pipes from residential yards appear to flow into pipe. May be inlet |
| 54-0000-0003 | 6/17/20 16:43 | 6/11/20 | 0.8 No | Dry | None | None | No |  | 15 Concrete | Good |  |  |  |  |  |  |  |  |  |
| 55-0000-0001 | 10/15/19 13:12 | 10/11/19 | 0.15 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 55-0000-0002 | 10/15/19 13:20 | 10/11/19 | 0.15 Yes | Damp | PetWaste | None | No |  | 18 Concrete | Fair |  |  |  |  |  |  |  |  | Many dog waste bags |
| 55-0000-0003 | 10/15/19 13:44 | 10/11/19 | 0.15 No | Dry | None | None | No |  | 12 Concrete | Fair |  |  |  |  |  |  |  |  |  |
| 55-0000-0004 | 4/7/21 13:23 | 4/1/21 | 0.57 |  |  |  | Yes | CB-2612 |  |  |  |  |  |  |  |  |  |  |  |
| 55-0000-0005 | 4/7/21 14:32 | 4/1/21 | 0.57 Yes | Moderate | None | None | No |  | 16 Corrugated metal | Good |  |  |  |  |  |  |  |  |  |
| 55-0000-0005 | 6/17/21 12:32 | 6/14/21 | 0.65 Yes | Moderate | None | Ammonia | No |  | CMP | Fair | 16.7 | 7.65 | 0.1 | 228 | 0 | 0 | 0.02 | 5 | Screening/sampling visit: DMH-XXX-3915 sump is all orange liquid, only see two pipes one at 6:00 where sump water is  flowing into, believe this is the outfall, lots of orange substance. 1:00 has lots of orange substance, slowly flowing into |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | sump. Sampled. Sample ID: 01667210617-03 and -03D |
| 55-0000-0006 | 4/7/21 13:54 | 4/1/21 | 0.57 Yes | Moderate | OilySheen,Sanitary | Waste None | No |  | 18 Concrete | Poor |  |  |  |  |  |  |  |  | Sampling visit: orange fluffy/chunky substance in pipe and right outside, discharges directly to stream, sampled |

55-0000-0007 6/17/21 13:04 6/14/21 0.65 Yes Moderate Algae None No Concrete Fair 17.9 6.68 0.2 349 0 0 0.02 48 Sampling visit: looks like orange sawdust, possible iron, see photo above. Sampled. Sample ID: 01667210617-04 56-0000-0001 10/15/19 13:59 10/11/19 0.15 No Dry None None No Concrete Fair 2 outfalls present, no flow from either. One is 15 in. and one is 12 in.

55-0000-0006

55-0000-0007

6/17/21 13:22 6/14/21

10/15/19 14:57 10/11/19

0.65 Yes

0.15 No

Trickle

Dry

None

None

None

None

No

Yes

Concrete

36 Concrete

Fair

Poor

17.9

6.58

0.3

605

0.5

0

0.03

14

Sampling visit: some algae, flowing, sampled. Sample ID: 01667210617-05 Cannot open manhole- note need to return

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Outfall ID** | **Inspection Date** | **Last Rainfall**  **Date** | **Last Rain Evidence Fall Depth of Flow**  **(in)** | **Flow Description** | **Visual Evidence of Illicit Discharge** | **Olfactory Evidence of Illicit Discharge** | **Is Outfall Inundated or**  **Inaccessable** | **First Non-Influenced Structure** | **Pipe Diameter**  **(in)** | **Outfall Material** | **Outfall Condition** | **Temperature (⁰C)** | **pH** | **Salinity** | **Conductivity (µS/cm)** | **Ammonia (mg/L)** | **Surfactants (mg/L)** | **Chlorine (mg/L)** | **E. coli (MPN/100mL)** | **Total Phosphorus**  **(mg/L)** | **Total Suspended**  **Solids (mg/L)** | **Turbidity (NTU)** | **Dissolved Oxygen (mg/L)** | **BOD5**  **(mg/L)** | **Inspection Comments** |
| 53-0000-0015 | 6/2/21 13:43 | 5/31/21 | 0.21 No | Dry | None | None | Yes | DMH-XXX-4021 | Screening: Screened DMH-XXX-4021 actually CB, tied in with culvert, outfall pipe dry | | | | | | | | | | | | | | | | |

56-0000-0003 10/15/19 14:14 10/11/19 0.15 Yes Damp None None No Concrete Fair Two outfalls on either side of culvert. One 24 in. pipe is damp. The 15 in. pipe is dry. See additional photos. 56-0000-0004 10/15/19 15:48 10/11/19 0.15 No Dry None None No 18 Concrete Poor

56-0000-0005 10/15/19 13:53 10/11/19 0.15 No Dry None None No 12 Concrete Fair

56-0000-0006 10/15/19 14:45 10/11/19 0.15 No Dry None None No 12 Concrete Fair

56-0000-0007 10/15/19 14:32 10/11/19 0.15 No Dry None None No 10 Concrete Poor

56-0000-0008 6/2/21 13:23 5/31/21 0.21 Yes Trickle None None Yes DMH-XXX-4158

Screening: couldn’t find outfall on previous trip, opened manhole DMH-XXX-4158, pipe at 11 has a trickle, pipe at 1 has damp dirt (dry), pipe at 10 is totally dry

Return to try to sample pipe at 11

56-0000-0008 6/21/21 13:08 6/19/21 0.09 No Dry None None Yes DMH-XXX-4158 Screening/sampling visit: DMH-XXX-4158 all pipes dry

57-0000-0001 10/22/19 12:28 10/17/19 1.91 Yes Damp None None No 18 Concrete Fair

57-0000-0001 6/21/21 13:17 6/19/21 0.09 Yes Damp None None Yes DMH-XXX-4025 Fair Screening/sampling visit: damp, several drops every few seconds . Opened DMH-XXX-4025 and both 12:00 and 10:00 pipes are damp but there’s no way to take a sample.

58-0000-0001 10/15/19 12:43 10/11/19 0.15 No Dry None None No 12 Concrete Fair

58-0000-0002 10/15/19 12:56 10/11/19 0.15 No Dry None None No 24 Concrete Fair A lot of large rip rap at outlet of pipe

58-0000-0003 10/15/19 13:03 10/11/19 0.15 No Dry None None No 18 Concrete Fair