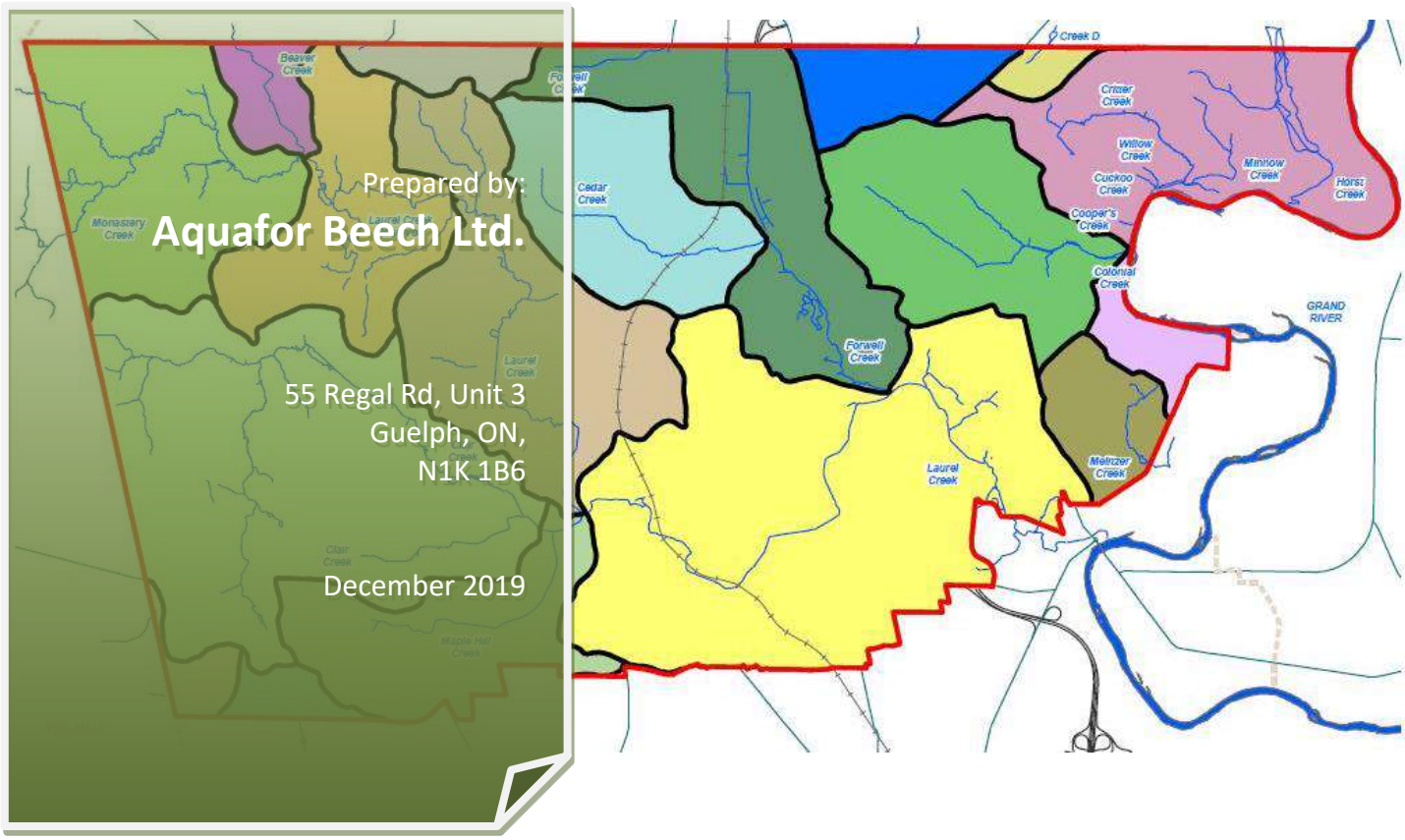
Prepared for:

City of Waterloo

STORMWATER MANAGEMENT MASTER PLAN (SWM-MP)

MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT

Sewer Capacity Report



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December 2019

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1 Introduction

The objective of the Stormwater Management Master Pan (SWM-MP) is to develop a preferred stormwater management strategy for the City of Waterloo. Within the City of Waterloo there are twenty-three (23) distinct subwatersheds. Each of these areas has unique environmental and infrastructural conditions.

As part of the SWM-MP, a City-wide storm sewer model for the City of Waterloo was developed to assess the existing level of service of the City's stormwater infrastructure. The model was constructed as a minor system model using two storm sewer model resolution and extents per the City request (see **Figure 1.1**):

1. All pipes larger than 300mm in diameter in the City core; and
2. Pipes greater than 600mm in diameter throughout the remainder of the City (referred to as a 'trunk sewer model')

The model will help City staff anticipate needs regarding infrastructure capacity upgrades or capital improvements as well as to provide direction as to where spare capacity for future development may exist. Along with the existing conditions assessment, the City's existing infrastructure was run against various performance scenarios including:

1. Climate change,
2. Intensification (urban infill development and increased impervious surfaces), and
3. the implementation of Low Impact Development (LID)SWM controls as part of volume retention strategy.
4. Pollutant loading under existing and LID scenarios.

The City-wide storm sewer model may serve as a basis upon which the City can further assess the storm sewer system throughout the City of Waterloo.

The assessment of the existing stormwater conveyance systems including individual SWM facilities considers the effectiveness of the City's infrastructure at reducing the impacts of urban runoff on infrastructure, property and the environment including the:

- ability to more closely match pre-development hydrologic conditions by reducing urban peak flows at storm sewer outfalls, maintaining groundwater recharge, and mitigating in-stream and overland erosion;
- ability to provide conveyance of a 1:5-year precipitation event within the minor system per the City standard level-of-service; and
- ability to improve water quality of stormwater runoff so it more closely matches water quality in a natural landscape.

1.1 Study Area

The City of Waterloo is located in the center of the Grand River Watershed, and is bounded by the middle reaches of the Grand River itself along a significant portion of the eastern municipal boundary. **Figure 1.1** illustrates the municipal boundaries of the City of Waterloo and represents the SWM-MP study area.

The stormwater conveyance network within the City includes storm sewers that are owned by the City, the Region of Waterloo as well as those owned by the Ministry of Transportation Ontario (MTO) or within private property. The network is comprised of approximately 524 km of storm sewer of varying sizes. **Table 1.1** identifies the ownership, size and installed quantities of all storm sewers within the City. The table shows that pipes of sizes less than 600 mm diameter represent the bulk of the storm sewer within the City.

Table 1.1 - Existing Storm Sewer Data for City, Regional and Private Pipes

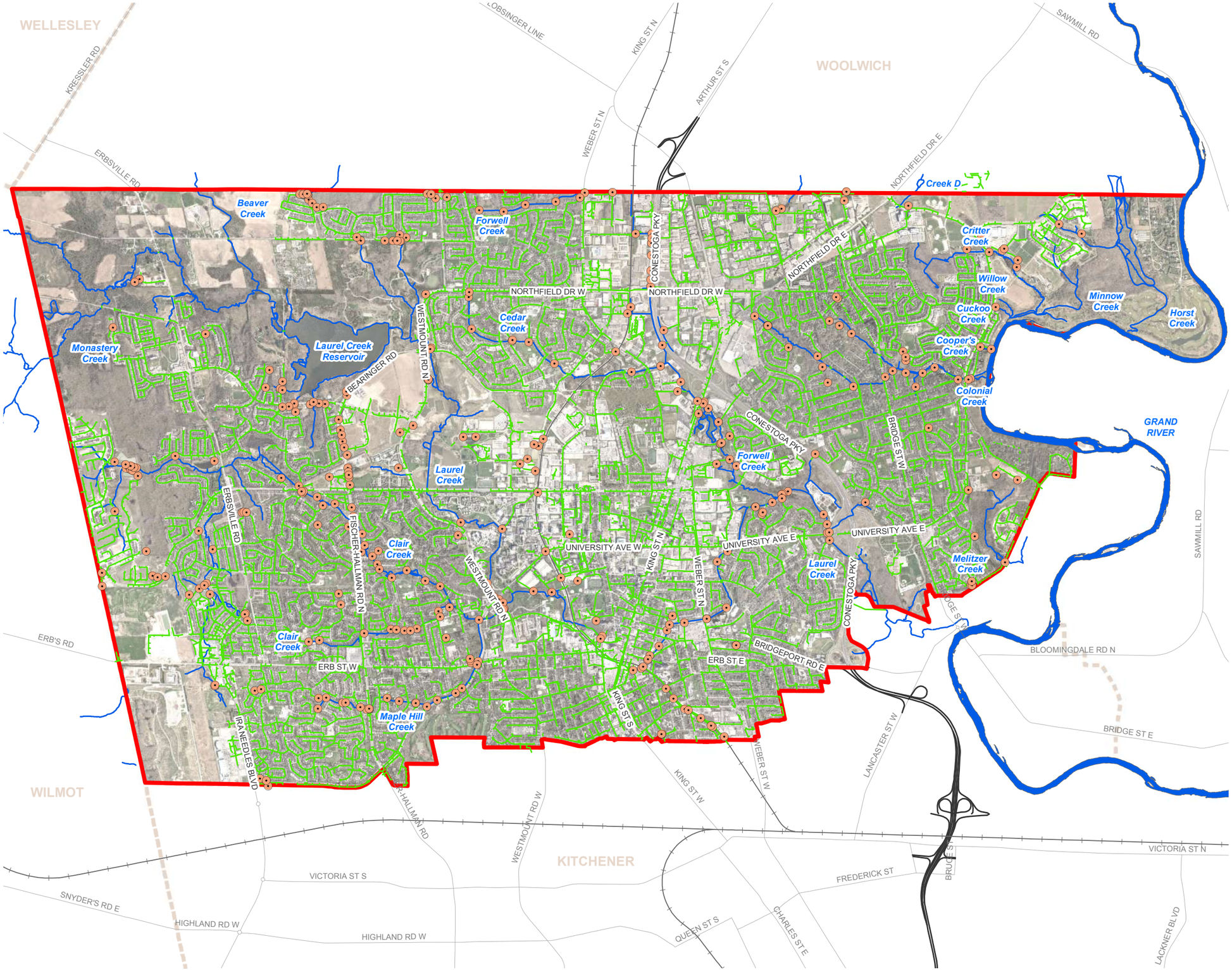
Pipe Sizes (mm)	City of Waterloo		Region of Waterloo		Other[1]	
	km	%	km	%	km	%
Unknown size	33.3	8.1	10.2	15.7	7.5	16.7
Less than 450	195.6	47.3	24.2	37.2	30.6	68.0
450 - 525	67.1	16.2	11.4	17.5	1.7	3.8
600 - 750	55.9	13.5	8.2	12.6	3.0	6.7
800 - 1000	23.8	5.8	5.6	8.6	0.8	1.8
1050 - 1200	18.2	4.4	4.1	6.3	1.1	2.4
Greater than 1200	19.7	4.8	1.3	2.0	0.3	0.7
Total	**413.6**	**79.0**	**65.0**	**12.4**	**45.0**	**100.0**

[1] Includes 146 m on MTO Property, 4,308 m on University of Waterloo Property and 43,153 m on private property

Figure 1.2 outlines the locations of sewers and outfalls within the City limits which were incorporated into the model (>300mm storm sewers in the Urban Core, and >600mm storm sewers in the remaining areas).

1.2 Identification of Problems and Opportunities

In decades past, the City of Waterloo has experienced several rainfall events that have triggered incidents of flooding in various areas of the City. Twenty-seven (27) areas of concern were identified throughout the City via reports of flooding between 2004 and 2014, as shown in **Figure 1.3.** These areas were used as verification points for the existing conditions model, in lieu of model calibration which was not within the project scope and is not currently feasible due to a lack of flow monitoring data.



THE CITY OF Waterloo

MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

Figure 1.1
STORMWATER SEWER SYSTEM & OUTFALLS

- Study Area
- Watercourse
- Stormwater Outfall
- Stormwater Pipe

0 0.5 1 Kilometers

N

Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.

Date: May 2017

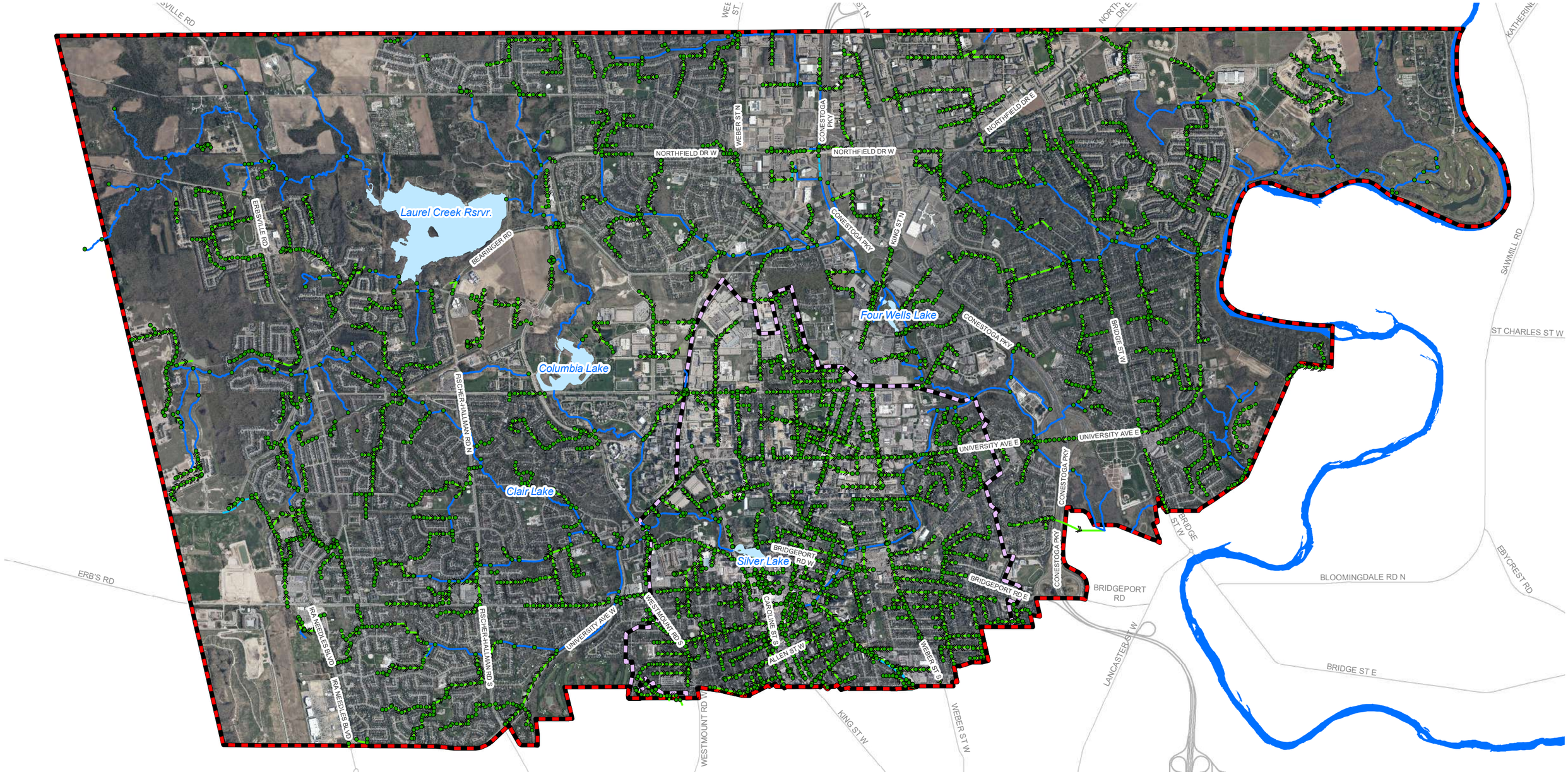


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FIGURE 1.2 MODELED STORM NETWORK

Legend

- Junctions
- Pipes
- Creek
- Ditch
- Roads
- Rivers
- Waterbody
- Study Area
- Core Area

N W E S

0 1 2
Kilometers

Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.
Date: December, 2019

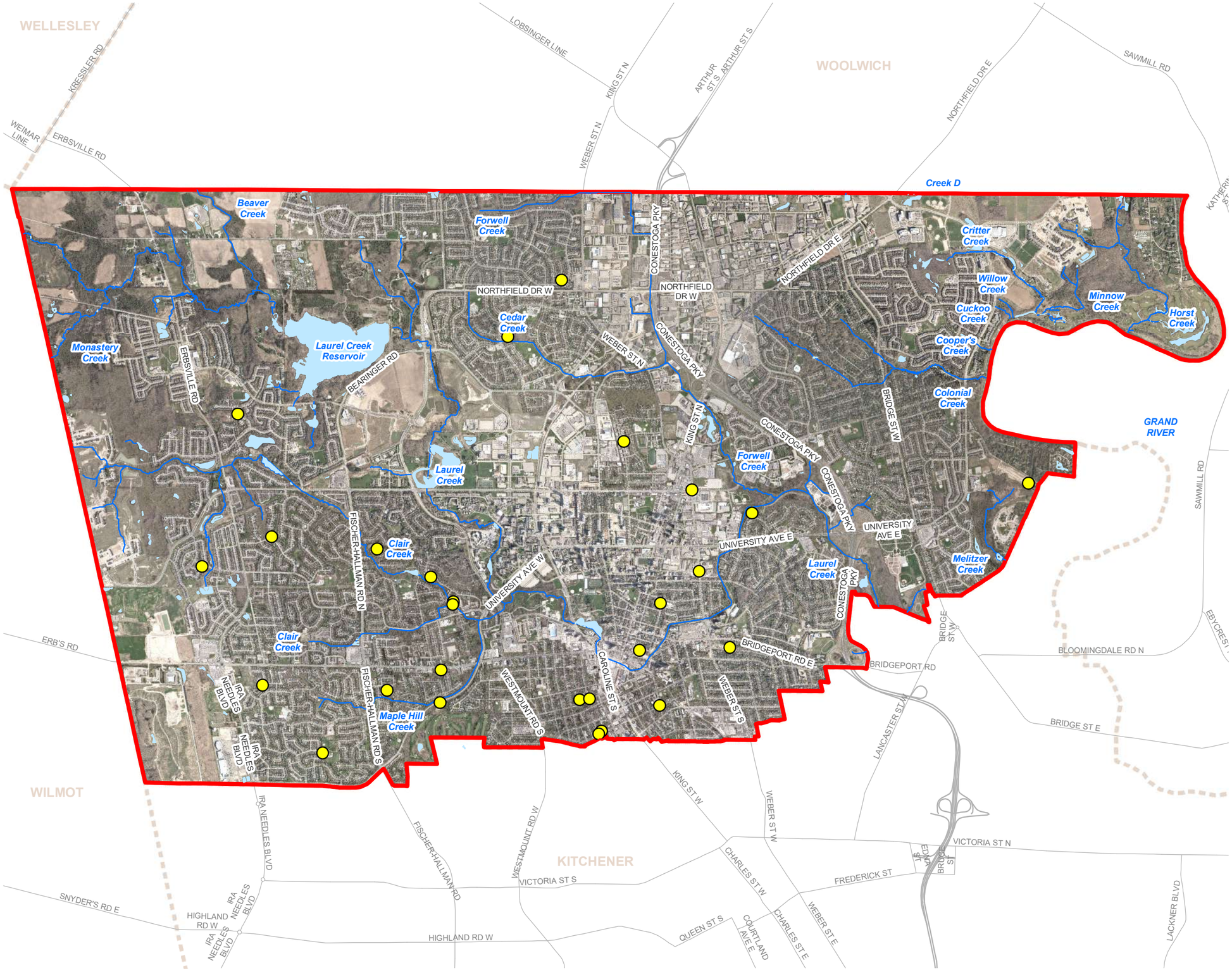

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Figure 1.3
FLOODING REPORTS

- Flooding Reports
- Watercourse
- Roads
- Water Bodies
- Study Area

0 0.5 1 Kilometers

N

Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.

Date: October, 2019

1.3 Land Use

1.3.1 Existing Land Uses

The City of Waterloo is characterized by a mixture of land-uses. Generally, agricultural lands remain only along the periphery of the City, both along the Grand River, in the northwest and in the southwest. Lands that are zoned industrial are clustered primarily in the north and central area of the City between Weber Street North and Northfield Drive East but smaller clusters can be found further south. Approximately, 34% of the City is occupied by private residential property (i.e. residential development areas excluding the municipal right-of-way).

The City is home to a large area of lands zoned as institutional, these are largely located east of Westmount Road North and South of Bearinger Road extending to University Avenue West in the South and the Laurie Trail in the East. North of Columbia Street West the industrial lands extend west to Fischer-Hallman Road. The industrially zoned lands include the David Johnston Research & Technology Park, the University of Waterloo and Wilfred Laurier University. Waterloo's commercial lands are primarily located along King Street with other commercial hubs at major intersections and along major transitways.

Land use designations within the City of Waterloo per the City's Official Plan are summarized in **Figure 1.4** and illustrated in **Figure 1.5.**

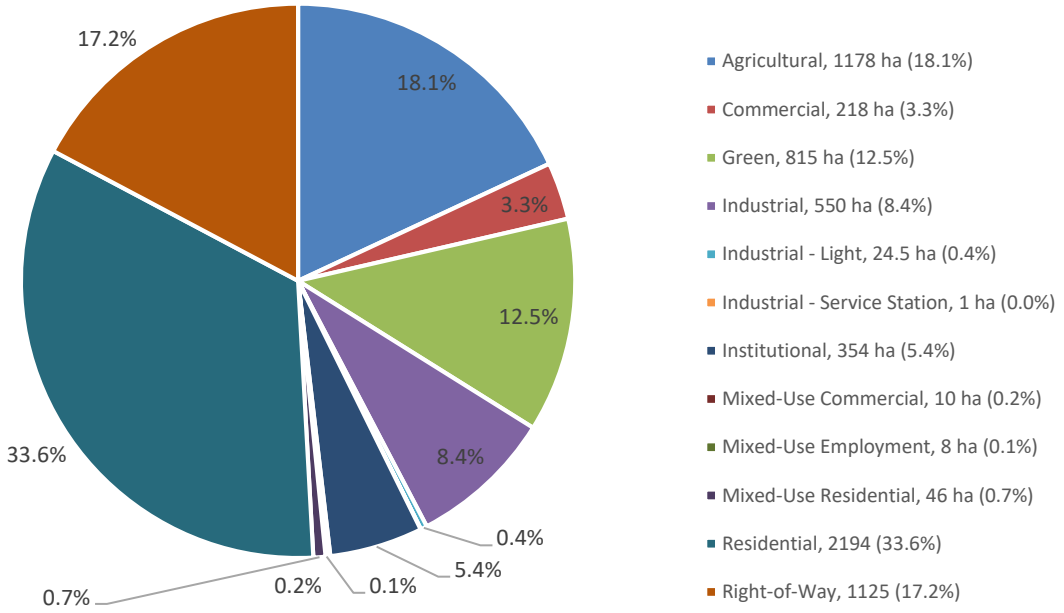
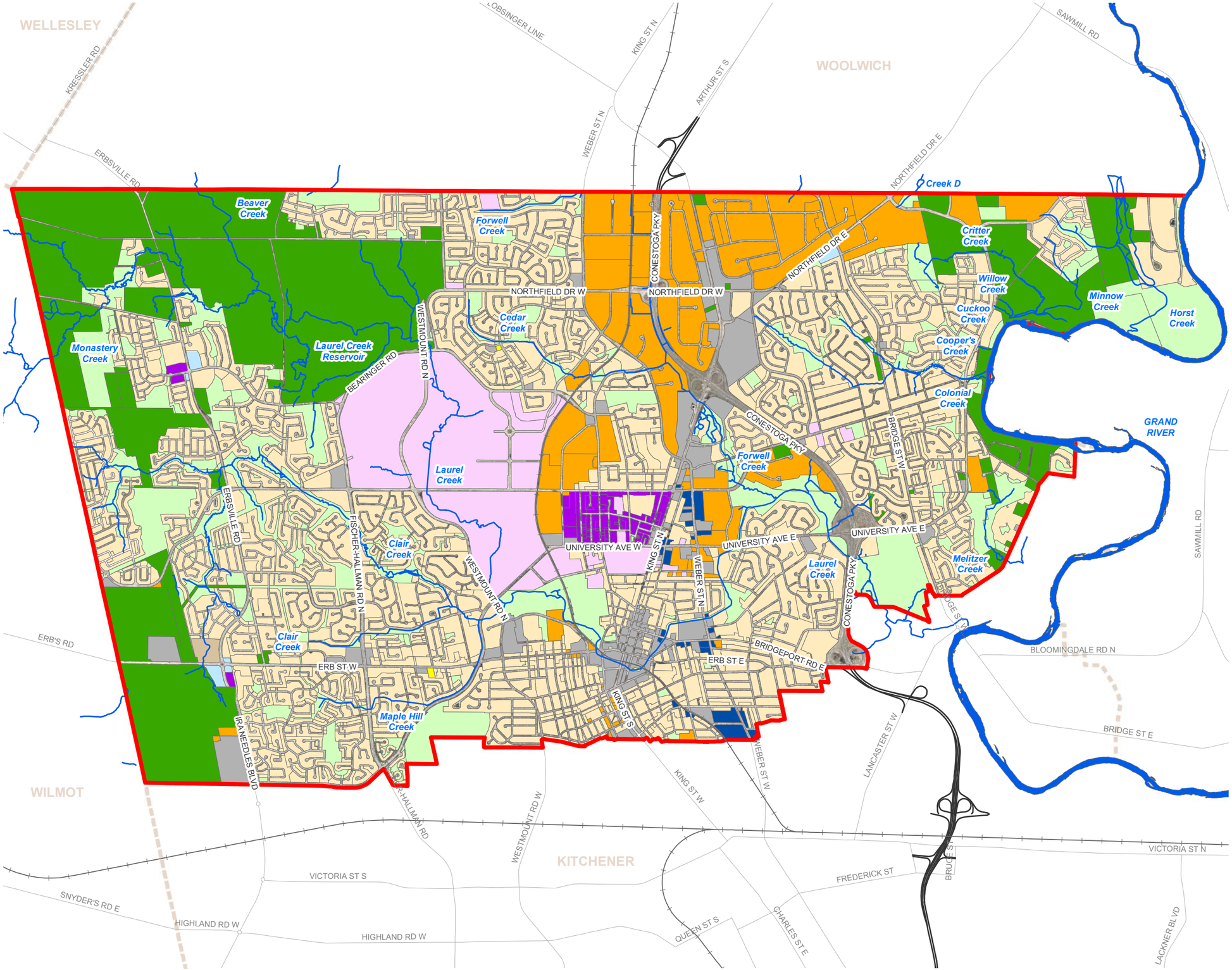


Figure 1.4 - Existing City of Waterloo Land Use Designations Per Official Plan



THE CITY OF Waterloo

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Figure 1.5
LAND USE

Study Area
- Study Area
- Watercourse

Land Use
- Agricultural
- Commercial
- Green
- Industrial
- Industrial - Light
- Industrial - Service Station
- Institutional
- Mixed-Use Commercial
- Mixed-Use Employment
- Mixed-Use Residential
- Residential

0 0.5 1 Kilometers

N

Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.

Date: May 2017

1.3.2 Proposed Development and Intensification Areas

In accordance with Ontario legislation, the City of Waterloo, like all municipalities, is charged with ensuring that they direct proper and orderly development within their urban boundary. The City has many tools to achieve these requirements, including the Regional Official Plan, the City of Waterloo Official Plan and more detailed Secondary Plans.

The City's Growth Management Division (GMD) develops planning policies, including the City's Official Plan, to guide growth and change in the City. The GMD also develops district and neighbourhood plans and undertakes special studies including statistical analysis, environmental initiatives and heritage and community improvement planning.

The City's OP indicates that future development intensification will be concentrated in two (2) areas, as outlined in **Figure 1.6**, Uptown Waterloo Urban Growth Centre and **Figure 1.7**, Industrial Transition Area. **Figure 1.8**, Schedule B1 in the City's OP, outlines the maximum permitted heights and density in the Waterloo's varied neighbourhoods. These growth and intensification targets were used to develop impervious percentages associated with future growth scenarios.

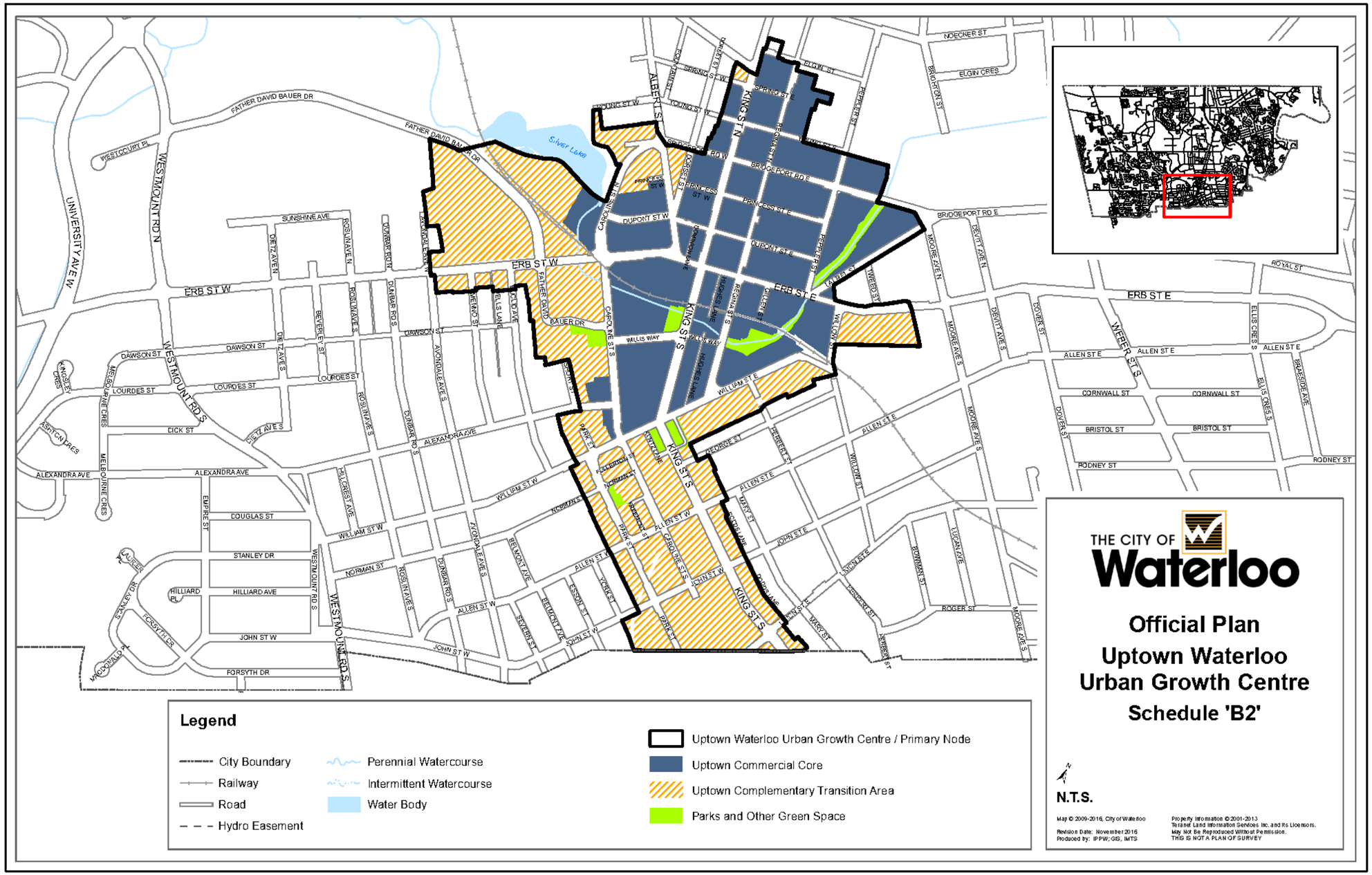

Figure 1.6 - Schedule B2 - Uptown Waterloo Urban Growth Centre per City of Waterloo Official Plan

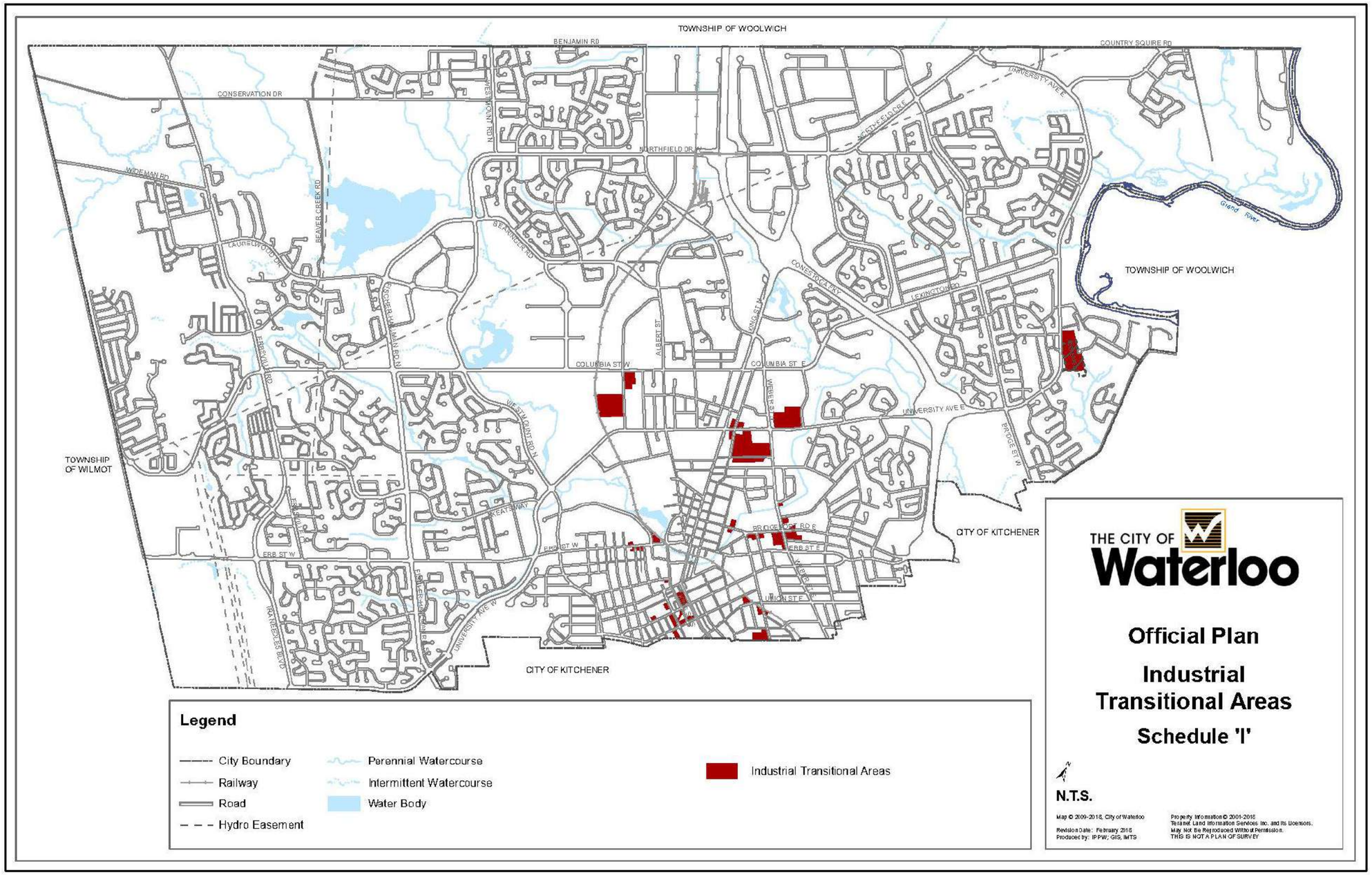

Figure 1.7 - Schedule I - Industrial Transition Area per City of Waterloo Official Plan

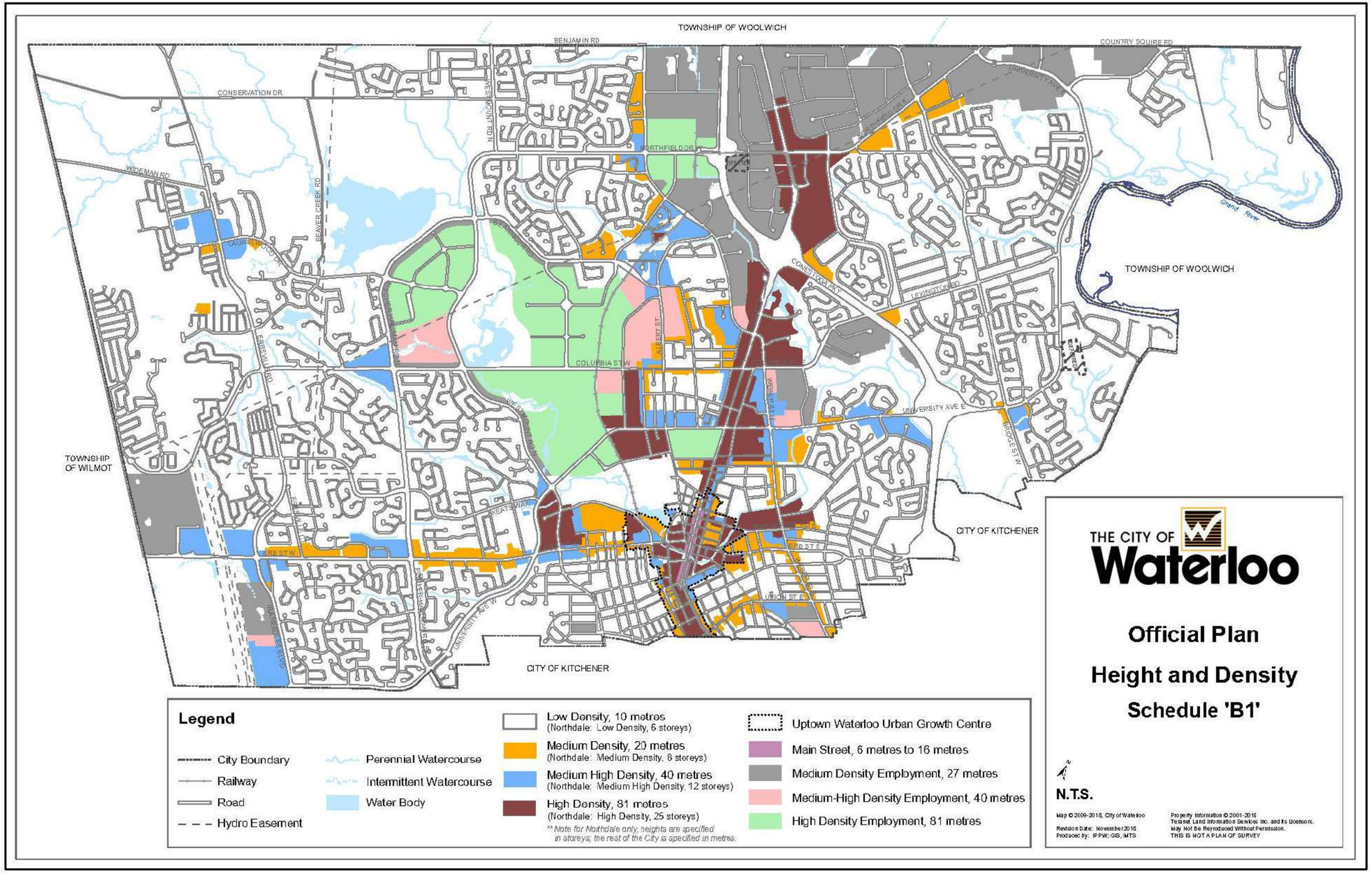

Figure 1.8 - Schedule B1 – Heights and Densities per City of Waterloo Official Plan

2 Hydrologic Modeling

2.1 Hydrology

Hydrology is the science which deals with the interaction of water and land, and the processes by which precipitation is transformed into runoff, infiltrated into the groundwater system or taken up by vegetation in a process called evapotranspiration. These processes are generally called the hydrologic cycle. Urban hydrology more closely looks at the influence of the urban landscape on the hydrologic cycle. The most dramatic hydrologic changes brought about by urbanization are the inclusion of hard surfaces that reduce infiltration and evapotranspiration and conveyance systems such as storm sewers and ditches designed to rapidly move water away from runoff sources towards watercourses. These changes can result in increases in flooding, channel erosion, sediment transport, and pollutant loadings which can cause deterioration in natural channel morphology, fish and wildlife habitats, recreational opportunity and aesthetics.

It is important that the existing hydrologic characteristics of the study area be established. This information is critical in defining existing flood characteristics and providing key information on the selection and design of stormwater management facilities for future urban redevelopment lands.

2.2 Model Development

The hydrologic model selected for application in this study was PCSWMM 2019. PCSWMM 2019 has the capacity of using a number of versions of EPA SWMM5 for performing the hydrologic and hydraulic calculations. For the existing condition model, SWMM 5.1.013 was selected, as it is the latest official version of SWMM currently available.

2.2.1 Map Coordinate System

The model was setup in PCSWMM 2019 using the NAD83 UTM zone 17N coordinate system. All the GIS files prepared for this model used the same coordinate system.

2.2.2 Junctions

Junctions are drainage system nodes where links join together. The data required for junctions in PCSWMM include the vertical information, invert elevations, junction depth and the upstream and downstream conduit invert elevations. The other hydraulically significant details regarding the junctions (i.e. losses and drops) are not typically necessary for a generalized model such as this model.

The City provided the location, size, ground and invert elevations of the manholes and outlets. Staff at Aquafor Beech Limited input the detailed information for the storm sewer network into the model. The junctions were named according to the subcatchments.

2.2.3 Conduits

There are various types of conduits: closed (pipes) and open (ditches, natural channels). By default, a conduit is assumed to be a straight line connecting two junctions – the upstream and the downstream junctions. The system calculates the length on the basis of a straight connection; however, this length can be overridden by a user-specified pipe length. The order of the node

specification does not have any effect on the computations, but only on the sign of the flow. The flow in the downstream direction is assumed as positive flow.

The following types of links are available:

- **Standard conduits**, including circular, rectangular, square, natural channels and two types of egg-shaped pipes; and,
- **Miscellaneous conduits**, open or closed, specified through the assigned transacts.

The natural channel systems were placed according to the location and details provided regarding the stream network. The conduits were named according to the subcatchments and the upstream and downstream junctions. The required data for conduits in the City model include upstream and downstream inverts, outlet elevation, length, roughness and cross-sectional geometry. The elevation of the outlet can be defined from the junction's elevation and the DEM.

The conduit lengths were determined using the stream and sewer networks and placing the junctions approximately where indicated and measuring the length of the attached conduit in the map. These lengths were based on the NAD83 UTM zone 17N coordinate system. The City also provided the location, size, length, shape, material type, slope, roughness coefficient, and invert elevation of the links (pipes).

2.2.3.1 Manning's Roughness Coefficient

The velocity of pipe flow is dependent on the surface roughness of the sewer. A lower surface roughness results in a higher velocity. The roughness coefficients for different types of pipes were defined in *Development Engineering Manual* by the City of Waterloo (2013), as shown in **Table 2.1**. It was assumed that the natural channels have a roughness coefficient of 0.013.

Table 2.1 - Manning's Roughness Coefficient Based on Pipe Material

Pipe Material	Manning's Roughness Coefficient (n)
Smooth bore pipes	0.013
Concrete box culverts	0.015
Corrugated Metal with Paved Invert	0.020
Corrugated Metal	0.024

2.2.3.2 Channel Cross-Sectional Geometry

There are several options in PCSWMM to represent the cross-sectional shape of the surficial conveyance features. All surficial conveyance features within the City's urban stormwater conveyance system were modelled as being irregular. The cross-sectional information was obtained from the Digital Elevation Model (DEM) that was provided by the City.

2.2.4 Data Gap Analysis

Input information for the conduits, junctions, and natural channels for the PCSWMM model was derived from storm sewer network data received from the City of Waterloo. An extensive data gap analysis was conducted on the information received, with additional information gathered from as-built drawings and documentation where possible. When data was still unavailable, Aquafor Beech staff conducted extensive field surveys to measure storm sewer inverts, conduit pipe sizes, material, cross sections, etc., of the existing storm sewer and natural channel networks

in order to fill in the data gaps. If a new storm sewer network configuration was identified in the field which disagreed with the City's existing data, the new configuration was measured and redrawn according to the field survey.

2.3 Stormwater Management Facilities

The City of Waterloo currently has eighty (80) stormwater management (SWM) facilities within the City boundaries. Of these 80 existing facilities, 61 provide both quality and quantity control, 16 provide only quantity control, and 3 provide only quality control. These 80 SWM facilities provide some level of control to 2,049.0 ha (32.1%) of the City. Of this area, approximately 1,718.1 ha (26.3%) is controlled for both water quality and water quantity, and 375.9 ha (5.8%) is controlled for water quantity only. The locations of the existing ponds are presented in **Figure 2.1**.

A review of background information including design briefs and Environmental Compliance Approvals (ECAs), formerly known as Certificates of Authorization (CofA), was able to establish detailed stage-storage-discharge relationships for some of the 80 of the SWM facilities. Depending on the amount of information which was available for each SWM facility, they were marked for 'complete', 'partial' or 'no' information.

- 'Complete' indicates that sufficient stage-storage and stage-discharge information was available to produce rating curves.
- 'Partial' indicates that at least one set of stage-storage and/or stage-discharge points were identified, but not enough points were identified for that information to be considered 'complete'.
- 'No' information indicates that only the stage-storage information was identified, and there was no discharge information available.

In the case of the 40 stormwater facilities where information was found to be partially or completely missing, a reasonable functional relationship was assumed based on professional judgement and available information. Assumptions made for stormwater facilities with partial or no information are summarized in **Table 2.2**.

For ponds with missing data, in most cases, there is at least some depth-area information and the corresponding storage. To create rating curves for these ponds, ponds with available data were used as reference. Then, the pond with the most similar storage, depth and area was selected and its data was prorated to build the rating curves. Examples of the methodology used to create rating curves for ponds with partial or no information are provided in **Section 2.3.1** and **Section 2.3.2** below.

Table 2.2 - Available Information for Stormwater Management Facilities

POND ID	Year Constructed	Retrofit Year	Subwatershed	Type of Facility	Information Available?	
					Stage-Storage	Stage-Discharge
1	1990			Dry Pond	Yes	Yes
2					No	No
3					No	No
4					No	No
5	2006			Hybrid	Partial	Partial
6	2015		Clair Creek	Wetland	Yes	Yes
7	1989	2004	Clair Creek	Wet Pond	Yes	Yes
8					No	No
9					No	No
10	1990		Clair Creek	Wet Pond	Partial	Partial
11	1992			Wet Pond	No	No
12	1995		Clair Creek	Wet Pond	No	No
13			Laurel Creek	Dry Pond	Yes	Yes
14	1996	2002	Laurel Creek	Wetland	Partial	Partial
15	1996		Martin Creek	Wet Pond	Partial	Partial
16	1994		Clair Creek	Dry Pond	Yes	Yes
17	1986	2011	Laurel Creek	Hybrid	Partial	No
18					No	No
19	1988			Wet Pond	Yes	Yes
20	1985				No	No
21					No	No
22	1993		Colonial Creek	Wet Pond	Partial	Partial
23					No	No
24	1994		Colonial Creek	Wet Pond	Yes	Yes
25			Colonial Creek	Wet Pond	No	No
26	1989		Colonial Creek	Wet Pond	Yes	Yes
27	2000		Critter Creek	Wet Pond	Yes	Yes
28					Yes	Yes
29	2000		Critter Creek	Hybrid	Yes	Yes
30	1996		Melitzer Creek	Wet Pond	Yes	Yes

31	1994		Melitzer Creek	Dry Pond	Partial	Partial
32					No	No
33	1997		Grand River (Cooper's Creek)	Wet Pond	Partial	Partial
34	1990		Conestoga River	Dry Pond	Partial	No
35		2002	Martin Creek	Wetland	Partial	Partial
36	1987		Forwell Creek	Dry Pond	Yes	Yes
37					No	No
38	1999	2008	Creek D	Wetland	Yes	Yes
39	1998		South Clair Creek	Wetland	Yes	Yes
40	1998		South Clair Creek	Wetland	Partial	Partial
41	1998		South Clair Creek	Wetland	Partial	Partial
42	1998		Beaver Creek	Dry Pond	Yes	Yes
43	2001		Laurel Creek	Wetland	Yes	Yes
45	1997		Clair Creek	Wet Pond	Yes	Yes
46	2013		Laurel Creek	Hybrid	Yes	Yes
47					No	No
48	1989		Clair Creek		No	No
49	1983		Laurel Creek	Dry Pond	Yes	Partial
50					No	No
51	2000		Clair Creek	Wetland	Yes	Yes
52	2000		Laurel Creek	Wet Pond	Yes	Yes
53	2000		Laurel Creek	Wet Pond	Yes	Yes
54	2001		Laurel Creek	Wet Pond	Yes	Yes
55	1999		Clair Creek	Wet Pond	Yes	Yes
56	1999		Forwell Creek	Wet Pond	Yes	Yes
57	1999		Forwell Creek	Wet Pond	Yes	Yes
58	2003		Laurel Creek	Wet Pond	Yes	Yes
59	2002	2008	Laurel Creek	Wet Pond	Yes	Yes
60	2005		Laurel Creek	Wet Pond	Yes	Yes
61	2005		Laurel Creek	Wetland	Yes	Yes
62	2000			Dry Pond	Yes	Yes
63	2004		Clair Creek	Wet Pond	Partial	Partial
64					No	No
65	2005		Maple Hill Creek	Wetland	Yes	Yes

70	2004		Laurel Creek	Wet Pond	Partial	No
71	2010		South Clair Creek	Wetland	Yes	Yes
72					No	No
75	2012		Tributary to Colombia Lake	Wet Pond	Partial	Partial
76	2012		Laurel Creek	Wet Pond	Partial	Partial
77					No	No
78	2010		Clair Creek	Wetland	Yes	Yes
79					Yes	Yes
80	2010		Clair Creek	Wetland	Yes	Yes
84					No	No
86	2005		Martin Creek	Wet Pond	No	No
87	2005		Martin Creek	Wet Pond	No	No
88	2005		Martin Creek	Dry Pond	No	No
89	2011		Trib. A of Horst Creek	Wetland	Yes	Yes
91	2011		Trib. A of Horst Creek	Wetland	Yes	Yes
93	2012		Melitzer Creek	Wetland	Yes	Yes

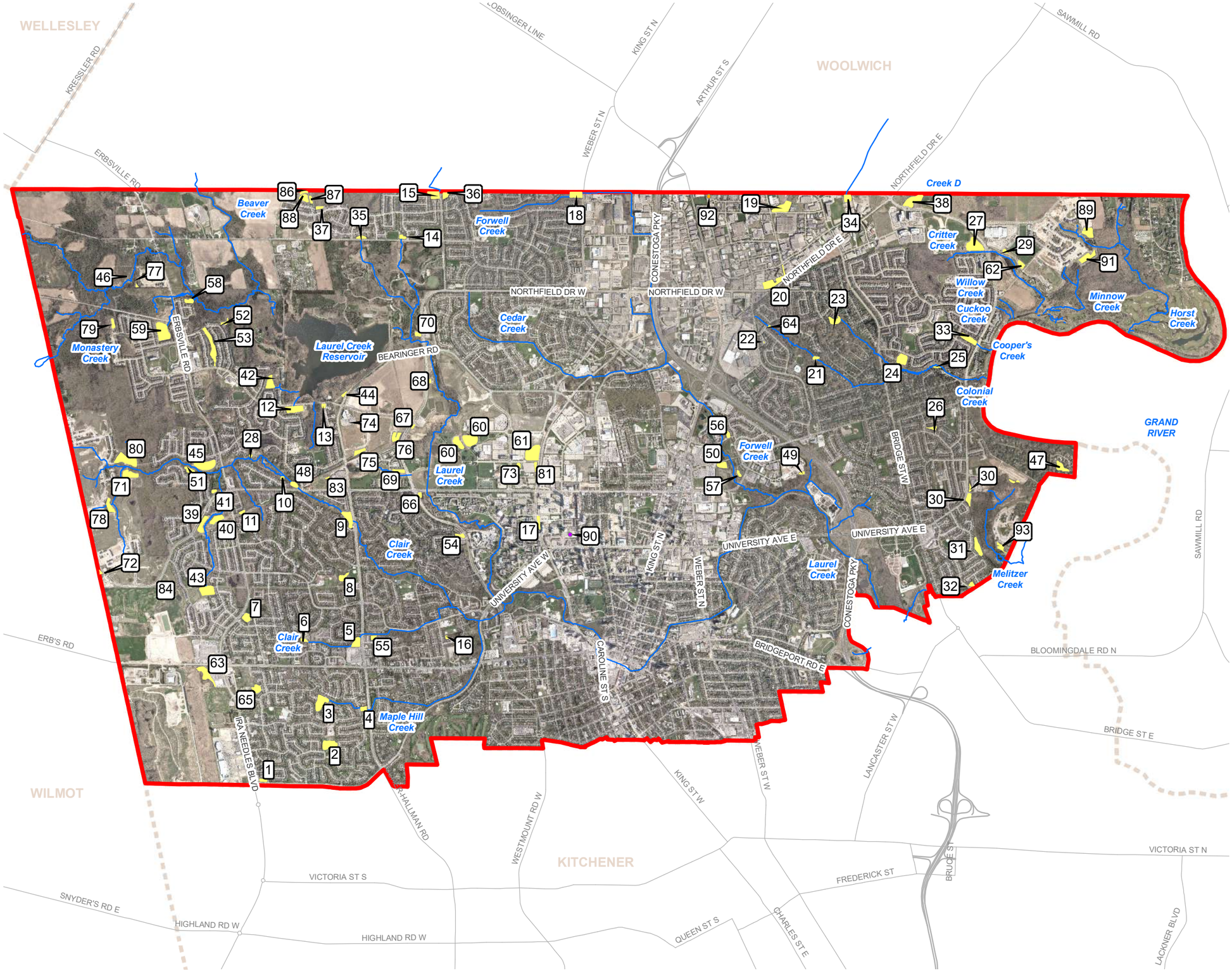

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FIGURE 2.2
EXISTING STORMWATER FACILITIES

- Watercourse
- Roads
- Stormwater Management Ponds
- Study Area

0 0.5 1 Kilometers

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Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.

Date: September 2019

2.3.1 Assumptions for ponds with partial discharge information

For stormwater management facilities with partial data, a reference pond is identified by analyzing available depth, area, discharge and/or storage data for a pond with similar characteristics. For example, **Table 2.3** identifies the limited background information available for Pond #5. Pond #71 was selected to create the rating curve for Pond 5 based on similar storage, discharge and area profiles. The available information for Pond #71 is shown in **Table 2.4.**

Table 2.3 - Pond #5 (Partial information available)

Storage (m^3)	Depth (m)	Area (m^2)	Discharge (m^3/s)
0	1.8		0
24945		9200	3.86

Table 2.4 - Pond #71 (Complete information available)

Storage (m^3)	Depth(m)	Area (m^2)	Discharge (m^3/s)
0	0	7045	0
716	0.1	7269	0.009
1454	0.2	7492	0.026
2214	0.3	7716	0.037
2997	0.4	7939	0.046
3802	0.5	8163	0.053
4629	0.6	8386	0.059
5475	0.7	8523	0.085
6334	0.8	8660	0.129
7207	0.9	8797	0.159
8093	1	8934	0.182
8994	1.1	9071	0.202
9908	1.2	9209	0.22
10835	1.3	9346	0.321
11777	1.4	9483	0.498
12732	1.5	9620	0.662
13701	1.6	9757	0.69
146s83	1.7	9894	0.716
15680	1.8	10031	0.741
16689	1.9	10168	0.766
17713	2	10305	0.79
18751	2.1	10442	0.813
19802	2.2	10579	0.835

20866	2.3	10716	0.857
21945	2.4	10854	1.033
23037	2.5	10991	1.434
24143	2.6	11128	2.066
25263	2.7	11265	2.953
26396	2.8	11402	4.12
27543	2.9	11539	5.594

Ratio of area of the ponds for discharge=3.86 m^3/s (i.e., $\frac{Pond\ \#5\ area}{Pond\ \#71\ area} = \frac{9200}{11300}$) was used to prorate the given data from Pond #71 in order to produce rating curves for Pond #5. The area for Pond #71 was obtained by interpolation. The data created for Pond #5 is shown in **Table 2.5.**

Table 2.5 - Pond #5 data, assumed through prorating available data from Pond #71

Depth (m)	Area (m^2)	Discharge (m^3/s)
0	5684.44	0
0.1	5865.18	0.009
0.2	6045.11	0.026
1.7	7983.23	0.716
1.8	8093.77	0.741
1.9	8204.31	0.766
2	8314.86	0.79
2.1	8425.40	0.813
2.7	9089.46	2.953
2.77	9200	3.86

2.3.2 Assumptions for ponds without discharge information

An example of the methodology for creating a discharge curve for a pond without discharge information (e.g., Pond #2 with available data shown in **Table 2.6)** is provided in this section**.** For Pond #2, Pond #24, with similar area and depth profiles, was selected as the reference pond to create the rating curves. The available information for Pond #24 is shown in **Table 2.7.**

Table 2.6 - Pond #2 (Partial information available)

Storage (m^3)	Depth(m)	Area (m^2)
0	0.3	0
7000	4.8	13500

Table 2.7 - Pond #24 (Complete information available)

Depth (m)	Area (m^2)	Discharge (m^3/s)
0	3183	0
0.3	3873	0.12
0.5	4564	0.12
1	5601	0.14
1.5	6613	0.15
2	7958	0.81
2.5	10196	4.39
3	11200	4.65
3.5	12241	4.91
4	13319	5.14

A linear regression was assumed to represent the depth-area relationship for Pond #24, as displayed in **Figure 2.2.**

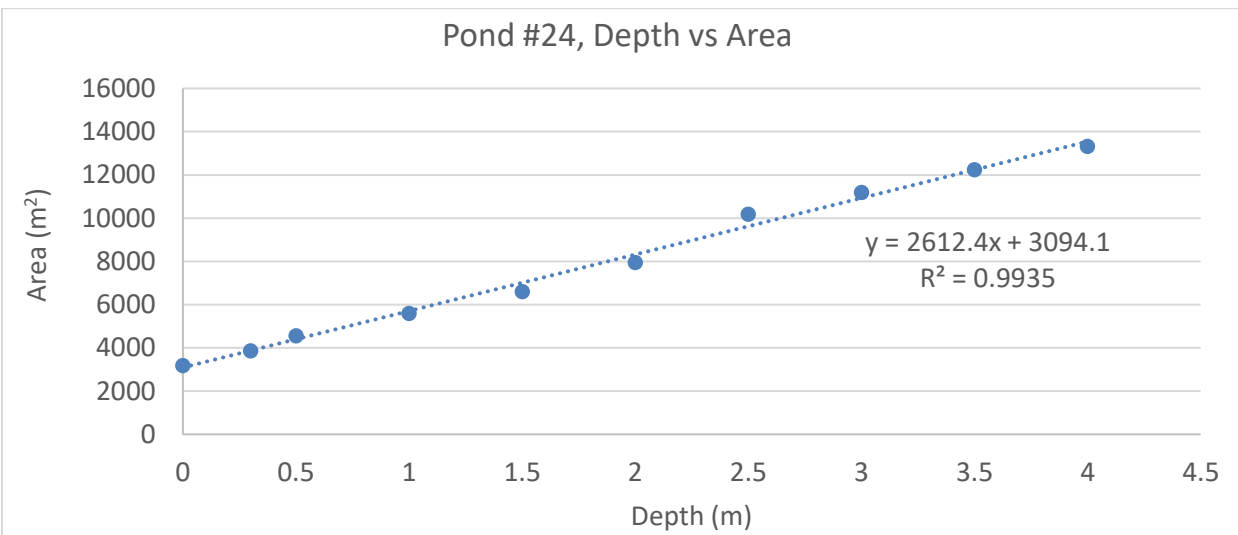


Figure 2.2 - Pond #24, Area Versus Depth Linear Regression

The linear relationship was used to extrapolate area for a depth of 4.8 m for Pond #24 which results in an area of 15,633.62 m^2. The ratio of the area for Pond #2 to the area of Pond #24 (i.e., $\frac{13500}{15633.62}$), corresponds to the depth of 4.8 m, was then used to prorate the area and discharge

from Pond #24 to create data for Pond #2. The same prorating ratio was used to re-scale depth-area and depth-discharge data for Pond #2, as displayed in **Table 2.8.**

Table 2.8 - Pond #2 data, assumed through prorating available data from Pond #24

Depth (m)	Area (m^2)	Discharge (m^3/s)
0.3	0	0.104
0.5	3941	0.104
1	4837	0.121
1.5	5710	0.130
2	6872	0.699
2.5	8804	3.791
3	9671	4.015
3.5	10570	4.240
4	11501	4.439
4.8	13500	4.793

2.4 Surface Hydrology

2.4.1 Subcatchment Delineation

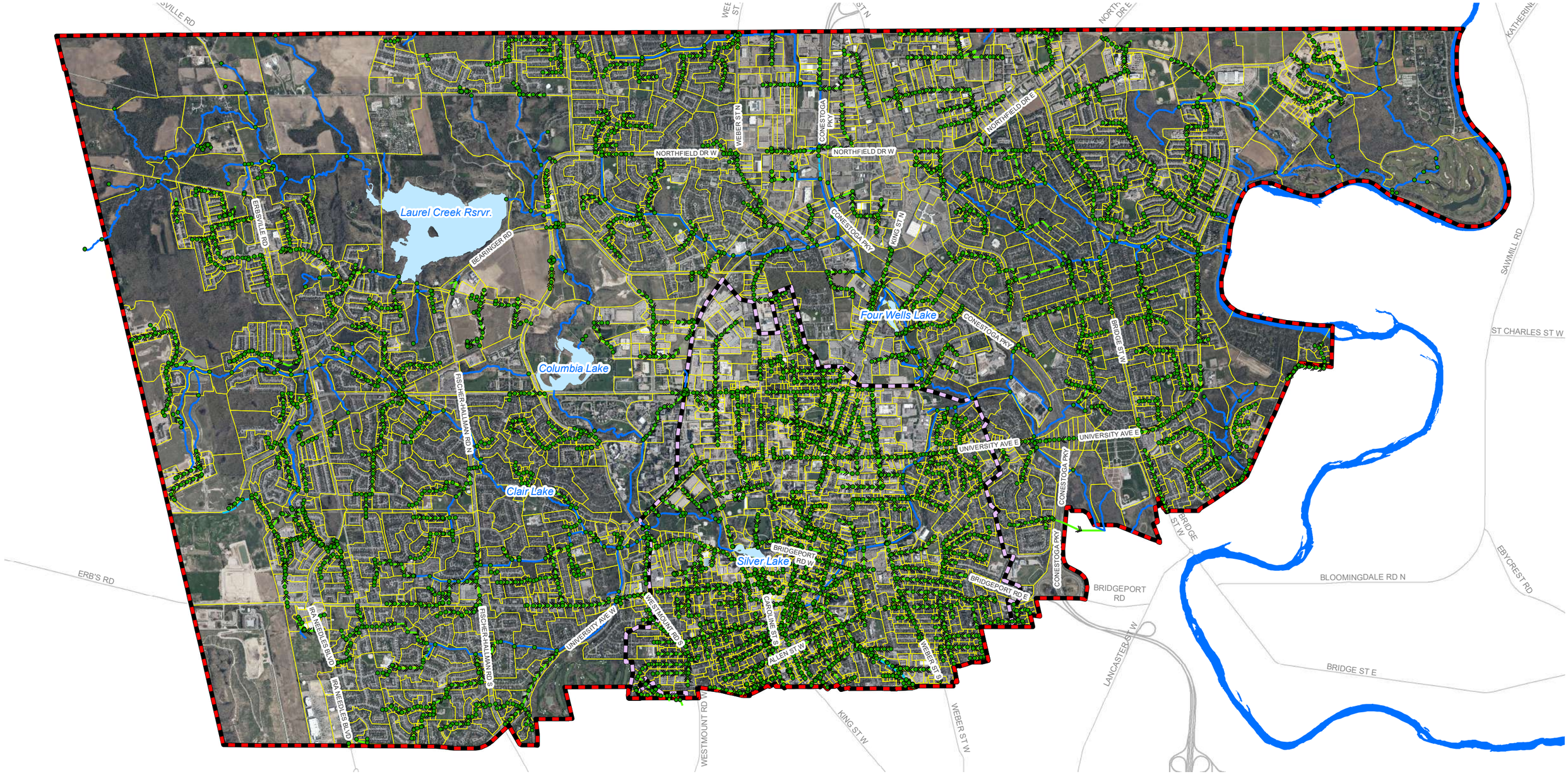
A subcatchment is an area that drains to a particular point. For the model, the discretized subcatchments were assigned based on the land uses and the topographic map provided by the City of Waterloo. Required parameters for each subcatchment include area, flow length, width, infiltration parameters, depression storage, percent of directly connected impervious areas, manning's roughness for pervious and impervious areas, and slope. The subcatchments delineation is illustrated in **Figure 2.3.**

2.4.2 Subcatchment Width and Length

The width is a calibration parameter which is not easily measurable in the field. One method for initial estimation of subcatchment width is to calculate it by dividing the area to an assigned flow path length. This parameter may be adjusted significantly during the model calibration during subsequent model refinement by the City. It is often suggested that the subcatchment width be treated as a calibration parameter and adjusted to best simulate runoff in the receiving system. In cases where calibration data is not available, the subcatchment width parameter must be estimated recognizing the impact of assumptions on model output and considering the potential limitations of these assumptions.

The flow length for a subcatchment is the length of the overland flow. PCSWMM uses the EPA SWMM5 hydrology and hydraulics engine. Flow length is not a parameter used by EPA SWMM5, rather it is used to initially estimate the subcatchments width. Measuring the length of the overland flow requires some judgment and approximation as well as use of a DEM to define the major overland flow path.

In development of the PCSWMM model of the City of Waterloo, the flow length was estimated recognizing the factors affecting the time of concentration in urban and rural subcatchments. One of the most significant effects of urban development on flow velocity is less retardance to flow. In small non-urban watersheds, much of the travel time results from overland flow in upstream areas. Typically, urbanization reduces overland flow lengths by conveying storm runoff into a pipe or channel rapidly. Since channel designs have efficient hydraulic characteristics, runoff flow velocity increases and travel time decreases.



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MUNICIPAL CLASS EA
STORMWATER MANAGMENT MASTER PLAN

FIGURE 2.3 -
MODEL SUBCATCHMENTS

Legend
- Junctions
- Pipes
- Creek
- Ditch
- Roads
- Rivers
- Waterbody
- Subcatchments
- Study Area
- Core Area

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Kilometers

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Base data provided by The City of Waterloo, 2017.
Date: December, 2019

2.4.3 Infiltration Parameters

Subcatchment infiltration is the process of rainfall infiltration before runoff is generated. Infiltrated water soaks into the unsaturated soil zone of pervious subcatchment areas. There are three methods available in SWMM5 for modelling infiltration. These are Horton's Equation, Green-Ampt Method and SCS Curve Number (CN) Method. The method selected for the City of Waterloo model was the Curve Number Method.

The CN Method requires several input parameters including land use data and hydrologic soil group. Land use data was obtained from the GIS layer for the City and indicated several land use types such as residential, industrial, green (open area), and commercial. Soil type for the City was obtained from the soil GIS layer containing surficial geology data. Based on this data, soil types included sand, gravel, tilt and organic deposits. The hydrologic soil group corresponding to each soil type was determined based on the definitions provided in **Table 2.9.** The layers of surficial geology, land use and subcatchments areas were superimposed in GIS interface to obtain CN for each intersected cell, which then were weighted and summed to calculate CN. The CN values for subcatchments were estimated from the Curve Number Table tabulated in the publication of SCS Urban Hydrology for Small Watersheds, as presented in **Table 2.10.**

Table 2.9 - Soil characteristics

Group	Meaning
A	Low runoff potential. Water is transmitted freely through the soil. Group A soils typically have less than 10 percent clay and more than 90 percent sand or gravel and have gravel or sand textures.
B	Moderately low runoff potential. Water transmission through the soil is unimpeded. Group B soils typically have between 10 percent and 20 percent clay and 50 percent to 90 percent sand and have loamy sand or sandy loam textures.
C	Moderately high runoff potential. Water transmission through the soil is somewhat restricted. Group C soils typically have between 20 percent and 40 percent clay and less than 50 percent sand and have loam, silt loam, sandy clay loam, clay loam, and silty clay loam textures.
D	High runoff potential. Water movement through the soil is restricted or very restricted. Group D soils typically have greater than 40 percent clay, less than 50 percent sand, and have clayey textures.

Source: Hydrology National Engineering Handbook, Chapter 7, Natural Resources Conservation Service, U.S. Department of Agriculture, January 2009.

Table 2.10 – SCS curve number values

Land Use Description	Hydrologic Soil Group			
	A	B	C	D
Cultivated land				
Without conservation treatment	72	81	88	91
With conservation treatment	62	71	78	81
Pasture or range land				
Poor condition	68	79	86	89
Good condition	39	61	74	80
Meadow				
Good condition	30	58	71	78
Wood or forest land				
Thin stand, poor cover, no mulch	45	66	77	83
Good cover	25	55	70	77
Open spaces, lawns, parks, golf courses, cemeteries, etc.				
Good condition: grass cover on 75% or more of the area	39	61	74	80
Fair condition: grass cover on 50-75% of the area	49	69	79	84
Commercial and business areas (85% impervious)	89	92	94	95
Industrial districts (72% impervious)	81	88	91	93
Residential				
Average lot size (% Impervious)				
1/8 ac or less (65)	77	85	90	92
1/4 ac (38)	61	75	83	87
1/3 ac (30)	57	72	81	86
1/2 ac (25)	54	70	80	85
1 ac (20)	51	68	79	84
Paved parking lots, roofs, driveways, etc.	98	98	98	98
Streets and roads				
Paved with curbs and storm sewers	98	98	98	98
Gravel	76	85	89	91
Dirt	72	82	87	89

Source: SCS Urban Hydrology for Small Watersheds, 2nd Ed., (TR-55), June 1986.

2.4.4 Depression Storage

Depression storage is the ability of a particular area of land to retain water in its pits and depressions, thus preventing flow. Depression storage is defined in units of length. The depression storage falls into two categories: impervious and pervious. The impervious storage is the depth of depression storage in the impervious portion of the subcatchment while the pervious depression storage is the depth of depression storage in the pervious portion of the subcatchment. The typical values, in mm, for depression storage based on impervious lands can be found in **Table 2.11.**

Table 2.11 - Typical depression storage values for a defined land use

Land Use	Depression Storage (mm)
Impervious surfaces	1.27-2.54
Lawns	2.54-5.08
Pasture	5.08
Foster litter	7.62

Source: ASCE, (1992). Design & construction of Urban Stormwater Management Systems, New York, NY.

2.4.5 Percent Directly Connected Impervious Area (DCIA)

The percent of imperviousness land in each subcatchment was calculated using the land cover map layer. Each land use was assigned with one of the two categories: pervious or impervious. Once the subcatchments were discretized, the percent of impervious land in each subcatchment was calculated using aerial photographs. For the existing conditions model, a complete description of each land use type and its imperviousness is provided in **Table 2.12.** A further breakdown of the subcatchment parameters is found in **Appendix A.**

Table 2.12 - Typical Imperviousness for a defined land use

Land Use	Imperviousness
Commercial	0.95
Government and Institutional	0.60
Open Area	0.02
Parks and Recreational	0.02
Residential	0.40-0.50
Resource and Industrial	0.95

To determine the most accurate % impervious area, the Area Weighting tool, located within PCSWMM, was used. This tool calculates a given attribute, in this case the Percent Impervious are based on the area weighting within the subcatchment.

2.4.6 Manning's Roughness for Pervious and Impervious Areas

Manning's roughness coefficient (n) is the resistance from the channel bed to the flow of water in it. Manning's n values were entered into the SWMM5 model for both pervious and impervious areas, as per **Table 2.13.** These values were assigned so that to allow for the Manning's n values to be adjusted depending on the land use. This also allows for the Manning's n values to be easily updated in the subcatchment layer by using the Area Weighting tool. For the impervious and pervious areas initial values of 0.02 and 0.25 were used (James et al., 2005). These values can be changed depending on the land use and the need for verification.

Table 2.13 - Manning's Roughness for Pervious and Impervious Subcatchment Surfaces

Areas	Manning's Range
Impervious (Concrete)	0.011-0.025
Pervious (Grass)	0.15-0.41

2.4.7 Evaporation/Evapotranspiration (ET)

In SWMM5, evaporation forms part of the climatology inputs, and can be entered as a constant value, as 12 monthly values, or as part of a daily time series. For the City of Waterloo, the evaporation rate in mm/day was calculated based on the temperatures time series.

2.5 Design Storm

The design storm is a critical precipitation event which is used for assessing the flood hydrograph for a certain return period. Design storms are created based on statistical analysis of historical storm data and are usually region specific. As per the City of Waterloo Development Engineering Manual, 2013, design criteria indicate that storm sewers in the City should be designed and sized to accommodate a 1:5-year return storm event without surcharging. The City of Waterloo's Development Engineering Manual was used to calculate the 1:5-year intensity for a 4-hour storm. The average intensity was found to be 11.65 mm/hr and total storm depth found to be 49.03 mm. For modelling purposes, a Chicago rainfall distribution was used. A time series of design storm intensity (mm/hr) for a 1:5-year, 4-hour Chicago storm is shown in **Table 2.14.**

Table 2.14 - Design Storm Intensity (mm/hr) for Region of Waterloo

Time	Intensity (mm/hr)	% of Storm Depth
00:00:00	0.00	0.0%
00:15:00	3.02	1.5%
00:30:00	5.18	4.1%
00:45:00	16.98	12.7%
01:00:00	90.91	58.6%
01:15:00	28.17	72.8%
01:30:00	13.89	79.9%
01:45:00	8.89	84.3%
02:00:00	6.44	87.6%
02:15:00	5.01	90.1%
02:30:00	4.09	92.2%
02:45:00	3.45	93.9%
03:00:00	2.99	95.4%
03:15:00	2.63	96.8%
03:30:00	2.35	98.0%
03:45:00	2.12	99.0%
04:00:00	1.94	100%
Average	11.65	-

3 Assessment of Model Results

The existing conditions baseline model for the City was simulated along with a total of four (4) scenarios:

1. Development Intensification
2. Climate Change
3. Water Quality
4. Low Impact Development (LID)

The four (4) scenarios were evaluated using the PCSWMM model and then compared to the existing conditions.

The fourth scenario represent the application of Low Impact Development (LID). In the LID scenario, a volume retention target of 12.5 mm was applied to simulate the City-wide implementation of source and conveyance controls and was evaluated in the context of:

a) Development intensification,
b) Climate change and
c) Water quality.

The model results were assessed in terms of length of sewers which reached full capacity or became surcharged. 'Full capacity' was defined as sewers which reached a flow capacity of 1 in the model, and 'surcharged' sewers were defined as sewers which reached a flow capacity greater than 1 in the model.

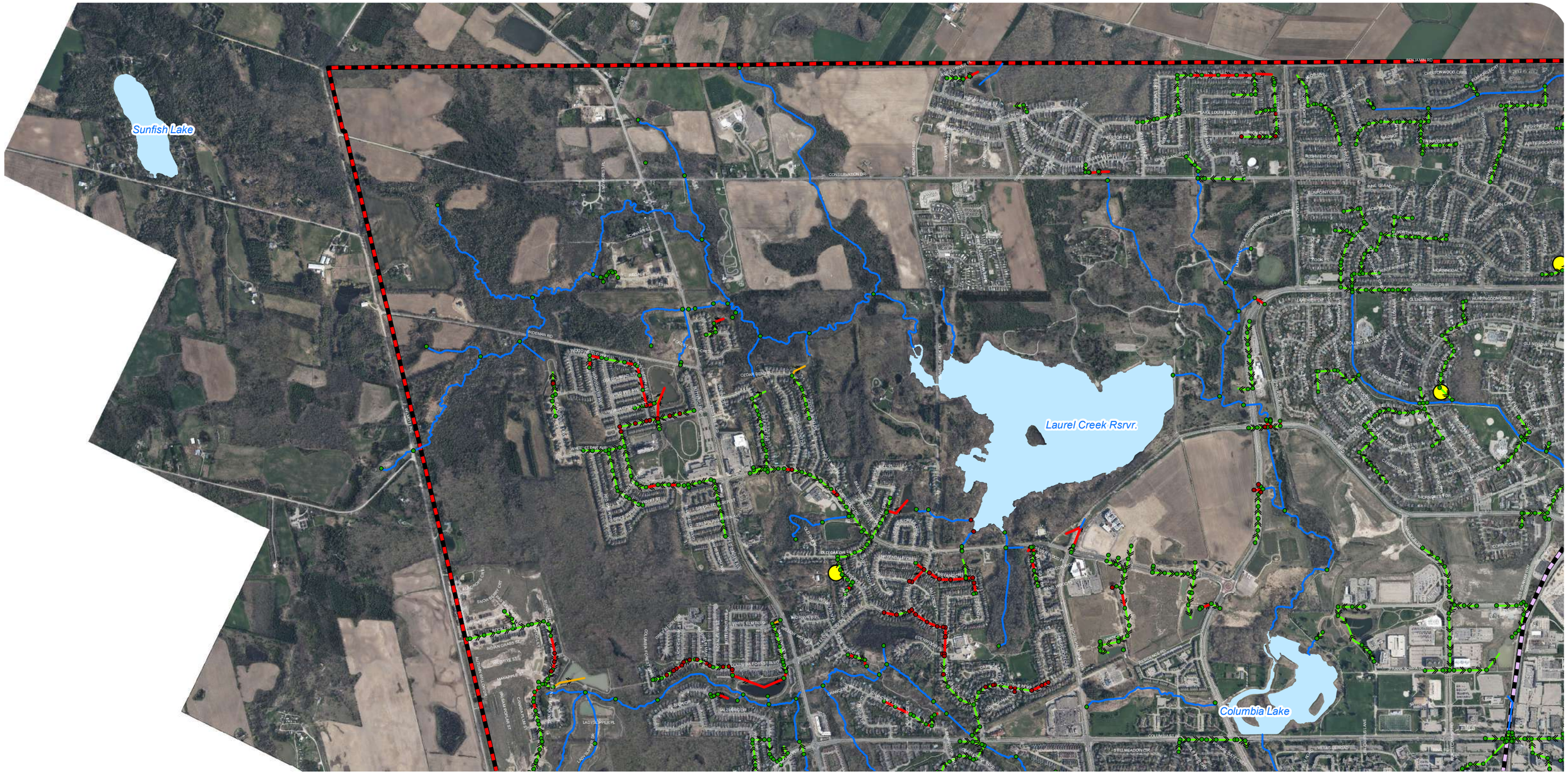
3.1 Existing Conditions Model

Based on the parameters discussed in **Section 2.4** and **Section 2.5**, storm sewers in Waterloo are required to accommodate a 1:5-year storm event without surcharging. Therefore, in order to assess whether the City's existing sewers are currently reaching their target level of service, the model was run for a 1:5-year storm event and assessed for surcharged pipes. The results of the existing conditions model are shown in **Figure 3.1**, where surcharged pipes are highlighted in red.

Surface flooding for the 1:5-year storm event was analyzed at every junction. Although the storm sewer system was designed to accommodate the 1:5-year storm, 71.9 km pipes operate at or exceed full capacity under the 1:5-year storm event.

The surcharged pipes identified in the existing conditions model were compared to the historical flooding records, which are indicated with yellow circles in **Figure 3.1**. The modelling results provide a consistent correlation between the location of the reported historical flooding incidents and the proximity of surcharged pipes. It should be noted that detailed records regarding the type of flooding were not available, as such not all flooding locations may be as a result of capacity issues with the minor system. Additional model accuracy can be obtained through subsequent model calibration by the City of Waterloo as part of next steps.

The system performance analysis indicates that some portions of the City's minor storm system network are deficient with respect to the stated level of service criteria, which is leading to a total of 71.9 km of storm sewers at full capacity or surcharged within the City for a 1:5-year storm event.



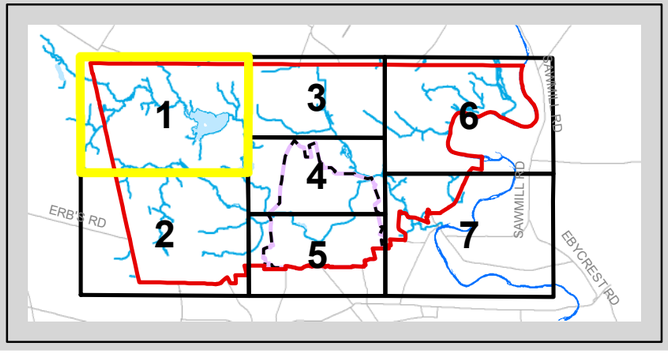
THE CITY OF Waterloo

MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.1 - SCENARIO 1: EXISTING CONDITIONS

Legend

- Flooding Reports
- Junctions
- Junctions Surcharged
- Pipes Surcharged
- Pipes At Capacity
- Pipes
- Creek
- Ditch
- Waterbody
- Study Area
- Core Area
- Data Frame Extent
- Map Series Index



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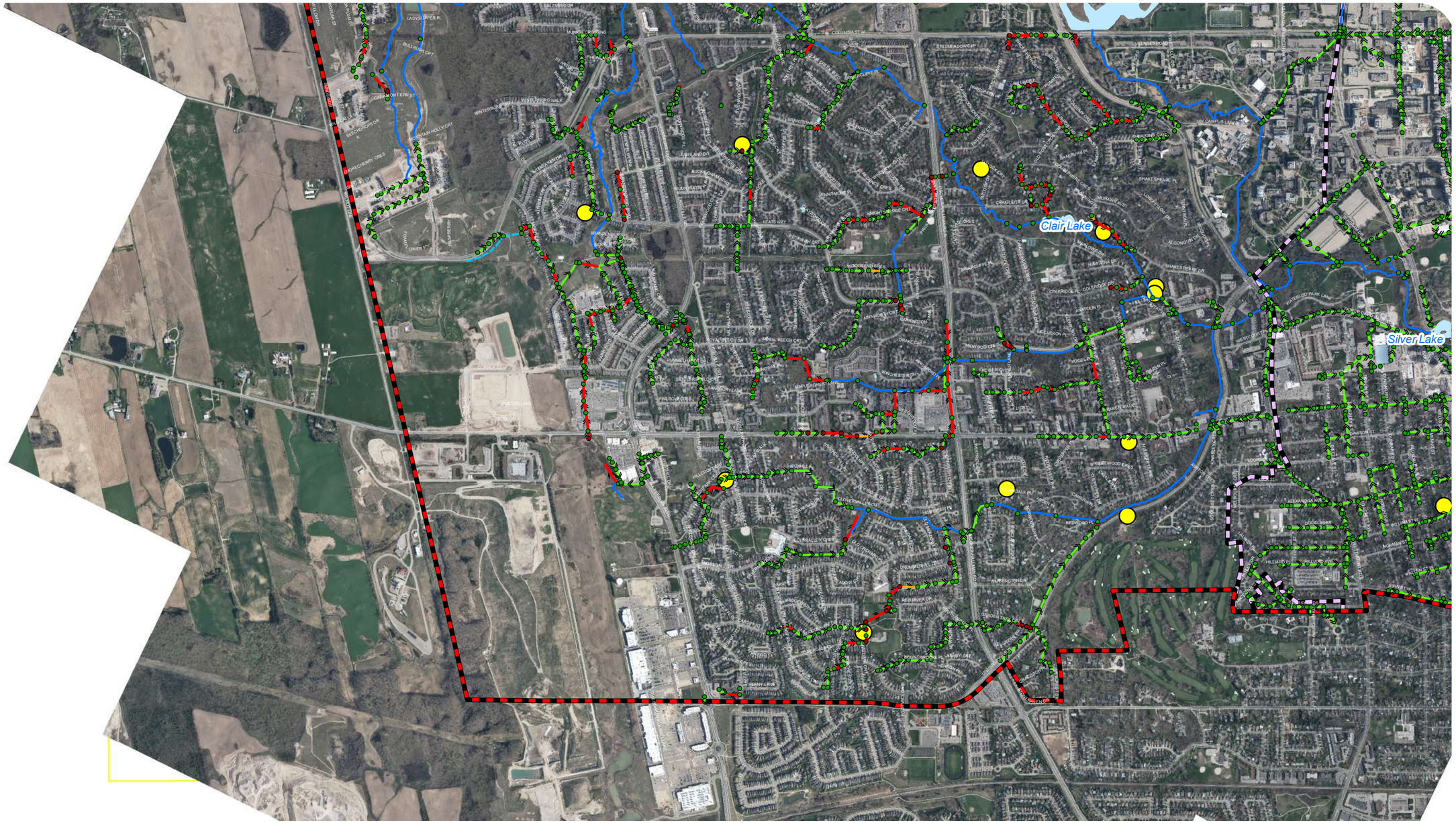
Kilometers

Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.
Date: December, 2019



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MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

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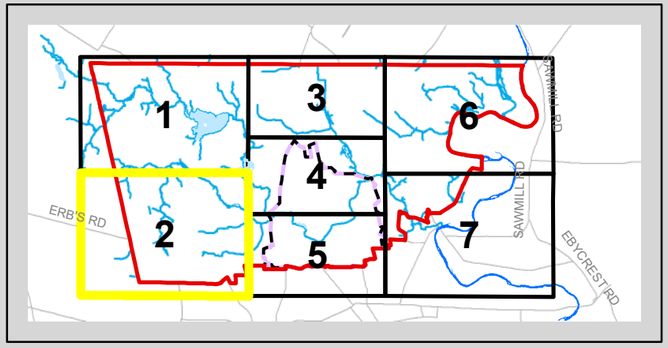

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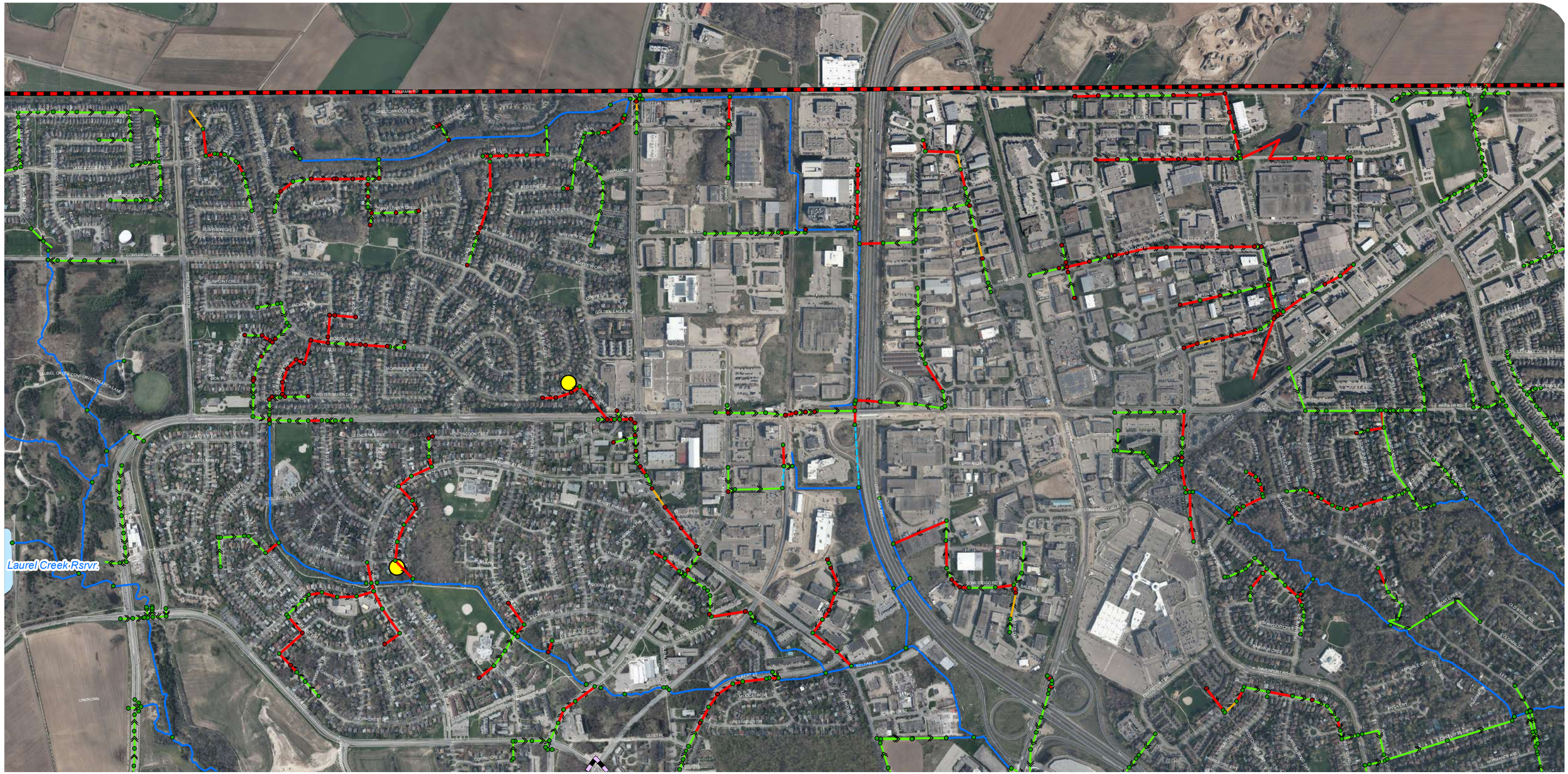

THE CITY OF Waterloo

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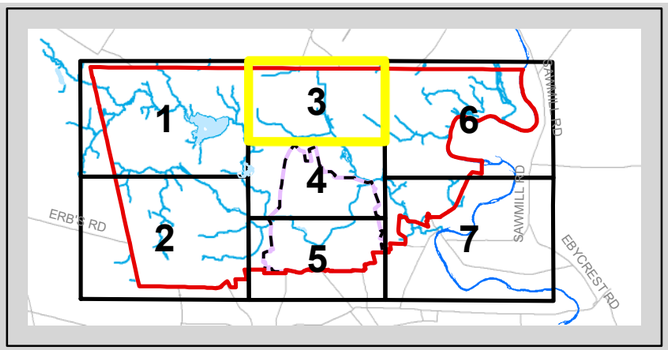

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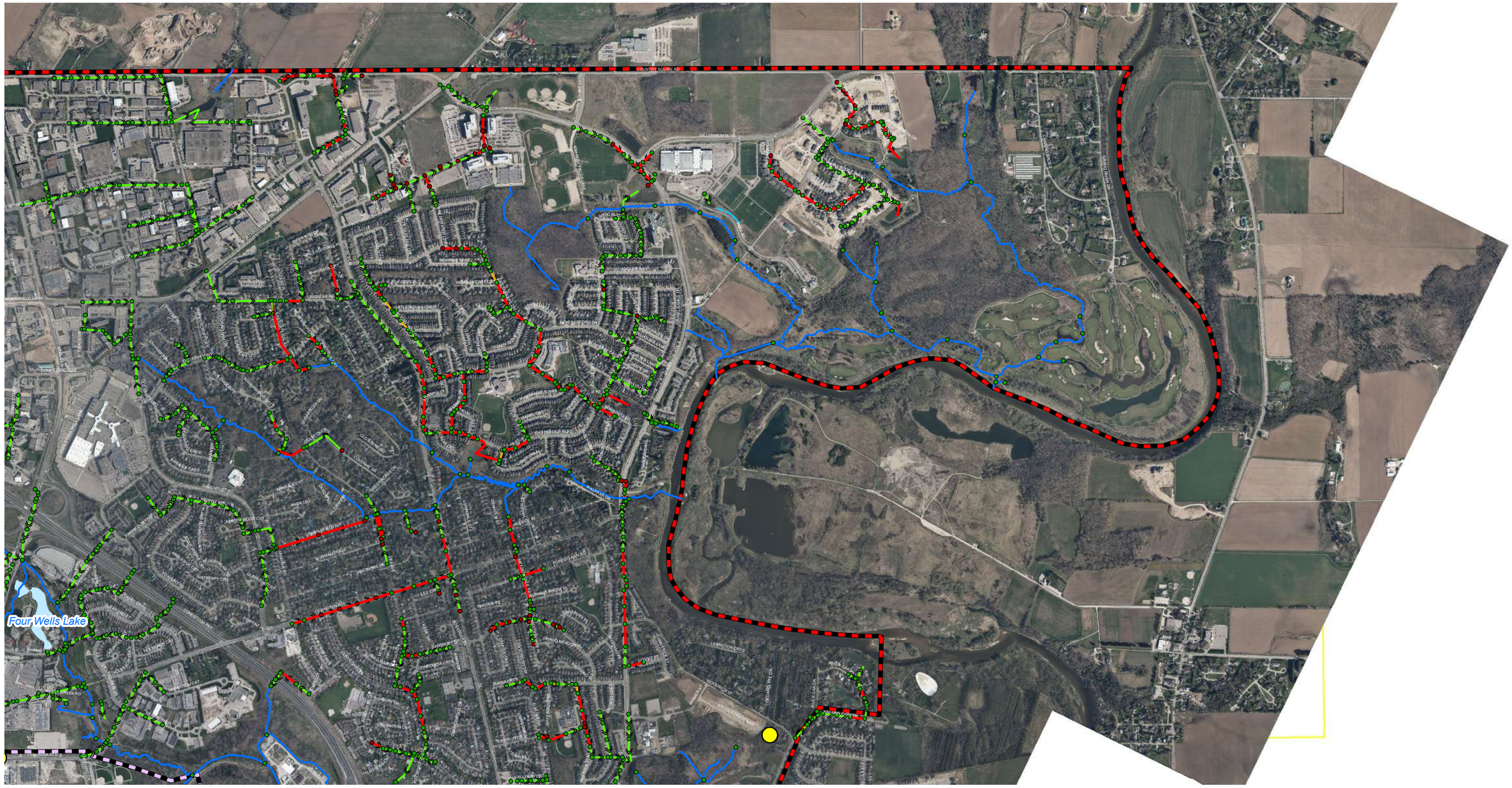

THE CITY OF Waterloo

MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

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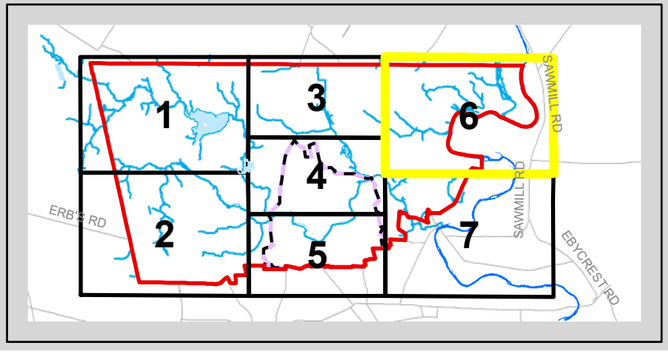

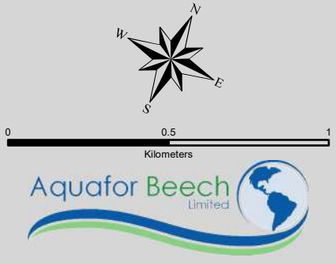

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THE CITY OF Waterloo

MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

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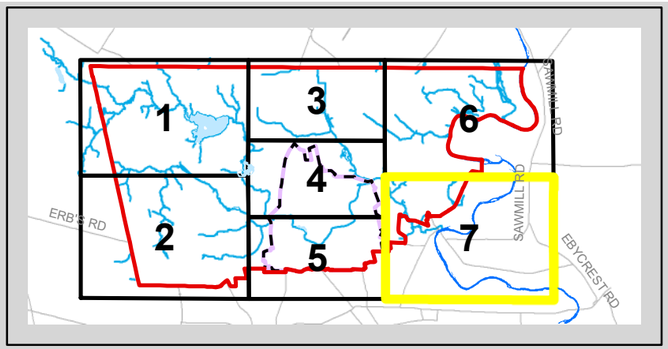

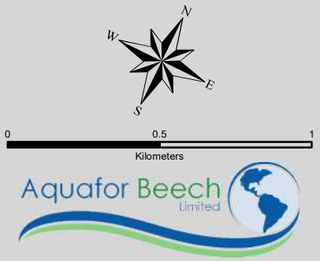

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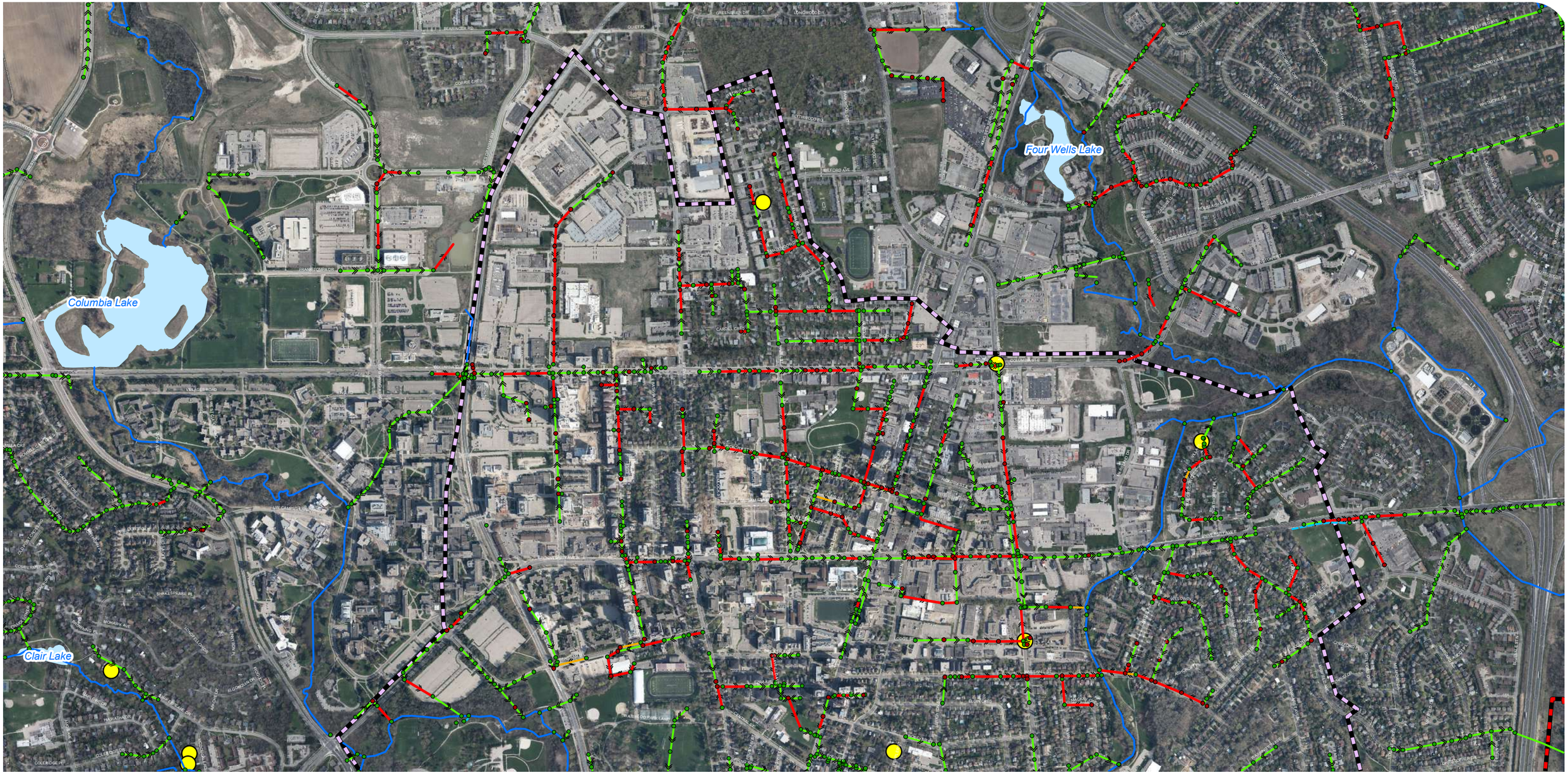

THE CITY OF Waterloo

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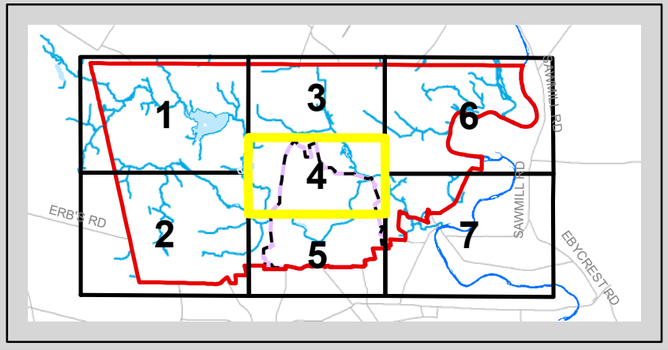

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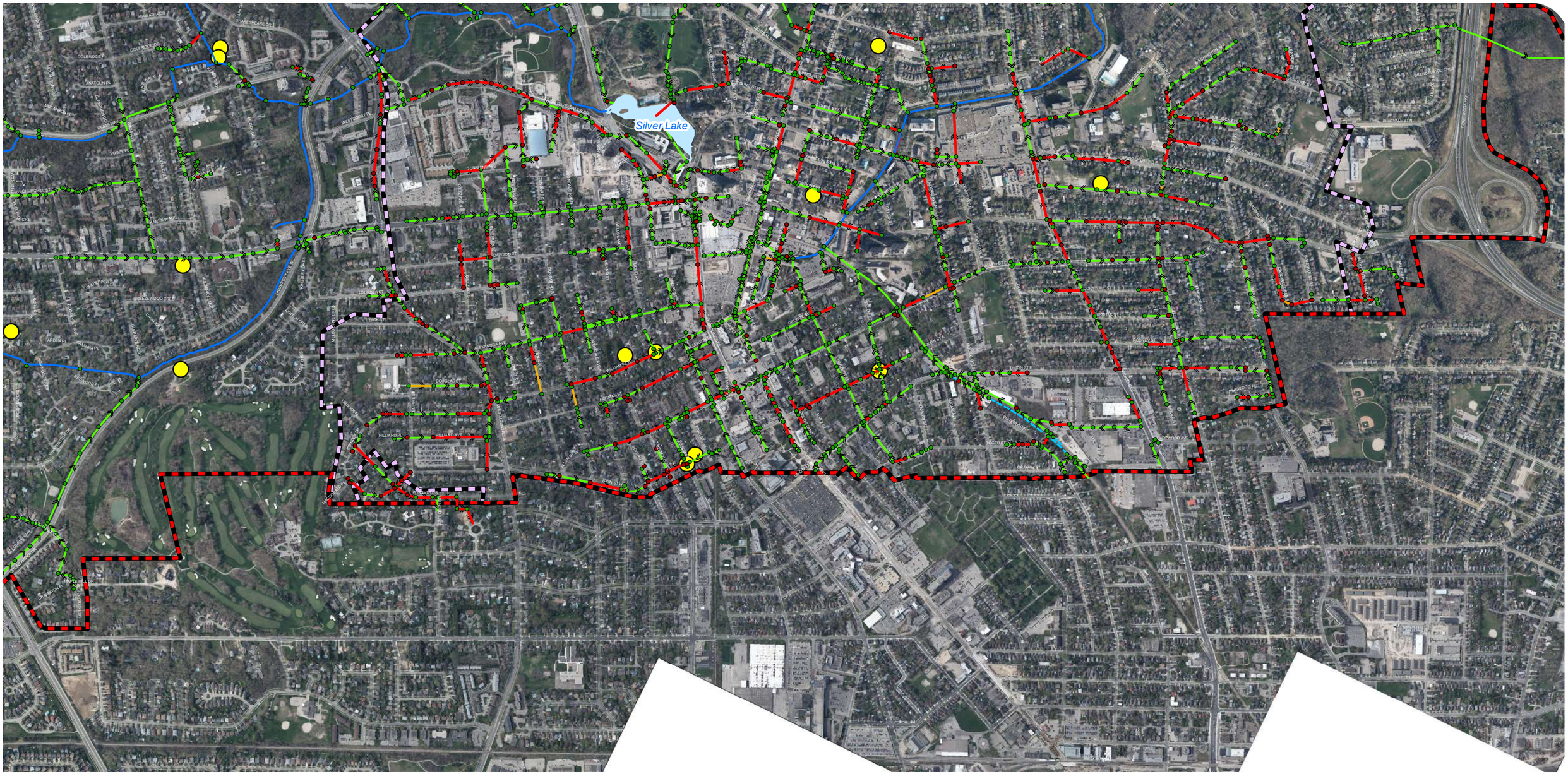
Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.
Date: December, 2019



THE CITY OF Waterloo

MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.1 - SCENARIO 1: EXISTING CONDITIONS

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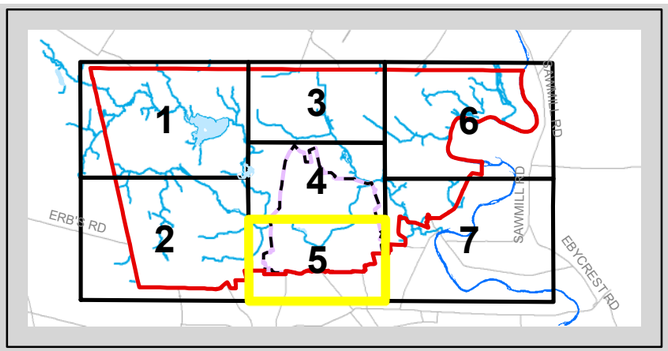
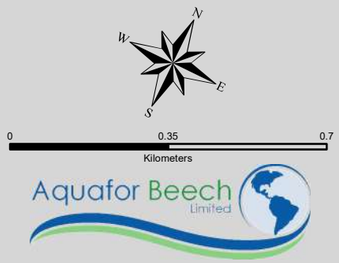




Base data provided by The City of Waterloo, 2017.
Date: December, 2019

3.2 Scenario 1 – Development Intensification

As noted in **Section 1.3.2**, two areas in the City are expected to undergo significant urban intensification and increased density. The intensification scenario is intended to provide an indication of how future development will impact the existing stormsewer network, assuming capacity upgrades do not occur concurrently with intensification. Through discussion with City staff, it was determined that the projected impervious percentage for the intensification scenario would be modelled as indicated in the projected maximum land use densities outlined by **Figure 1.8** and discussed in **Section 1.3.2**.

The urban intensification was modelled in the projected areas noted in **Figure 1.6** Uptown Waterloo Urban Growth Centre and **Figure 1.7** Industrial Transition Area of the City's Official Plan. The projected land use imperviousness used for the development intensification scenario is outlined in **Table 3.1.**

Table 3.1 - Imperviousness for a defined density (Intensification Scenario)

Density	Projected Imperviousness (%)
Low	60
Medium	70
Medium High	85
High	95

To update the imperviousness for subcatchments, subsequent to the projected future land use (development intensification), GIS based layers of the land use with projected urban intensification and increased density provided by the City were used (in total, 5 layers were provided by the City, of which 3 of them were open space local wetlands, woodlands and green spaces).

Imperviousness for updated industrial layer was assumed to be an average of the imperviousness for current industrial land use (labeled as industrial, industrial-light and industrial-service station) which is 71%. The following steps were taken to generate the new layer of the watershed land use based on the projected urban intensification and increased density and to update imperviousness:

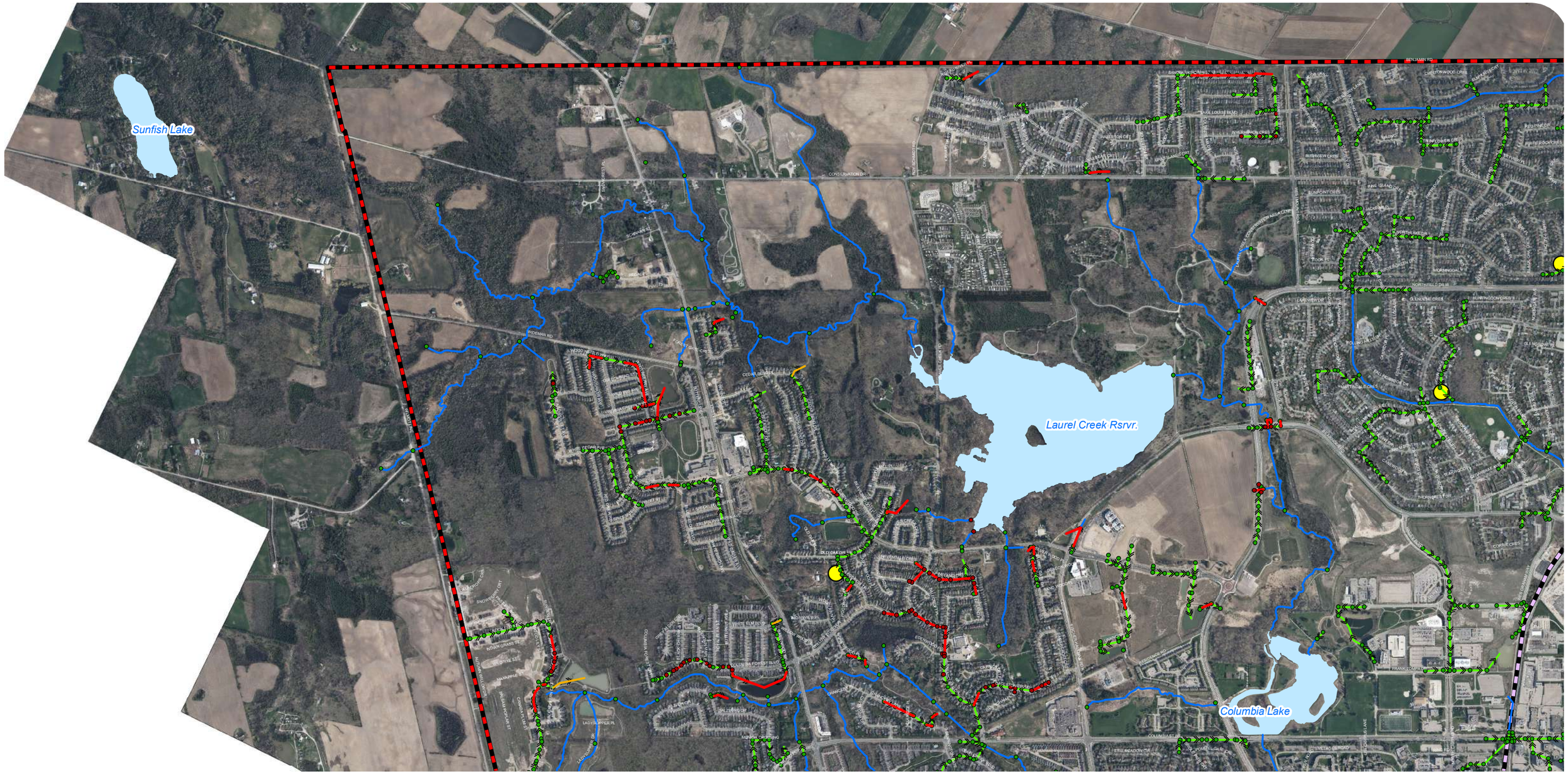
- The two layers of projected industrial and height density were combined and then clipped from the current layer of land use (referred to as clipped land use).
- The clipped land use layer was superimposed with the combined layer of projected urban intensification and increased density land use (referred to as updated land use).
- The updated land use layer was superimposed with the subcatchments GIS layer (containing the area for each subcatchment) to update the land use type for subcatchments.
- Imperviousness is updated for the subcatchments with a projected land use (by dividing the weighted imperviousness (obtained from multiplying imperviousness of each area within a subcatchment to the corresponding area) to total area of the subcatchment).
- Imperviousness for other subcatchments was kept as what it was before (based on the current conditions).

3.2.1 Results

The development intensification scenario was run on the existing conditions model using the 1:5-year storm event. The impacts of the intensification scenario on the existing storm sewer network is displayed in **Figure 3.2. Table 3.2** identifies the change in the level of service provided during the 1:5-year event from the existing conditions model to the intensification scenario. An increase of 1,288m of sewers reach capacity or become surcharged during the intensification scenario compared to the existing conditions model. This suggests that minor system upgrades may be required to accommodate the proposed intensification.

Table 3.2 - Comparison of Existing Conditions and Intensification Scenarios during 1:5-year Storm Event

Scenario	Sewers at Capacity or Surcharged	
	Total Length (m)	% of Storm Sewers
Existing Conditions	71,870	39.3%
Intensification Scenario	73,158	40.0%
Change in Service	**+ 1,288 m**	**+0.7%**



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MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.2 - SCENARIO 2: INTENSIFICATION

Legend

- Flooding Reports
- Junctions
- Junctions Surcharged
- Pipes Surcharged
- Pipes At Capacity
- Pipes
- Creek
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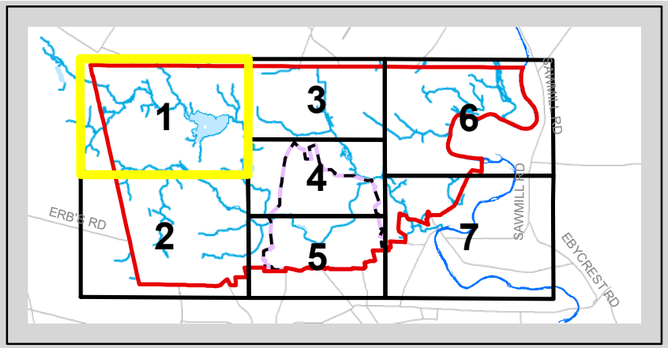
- Waterbody
- Study Area
- Core Area
- Data Frame Extent
- Map Series Index



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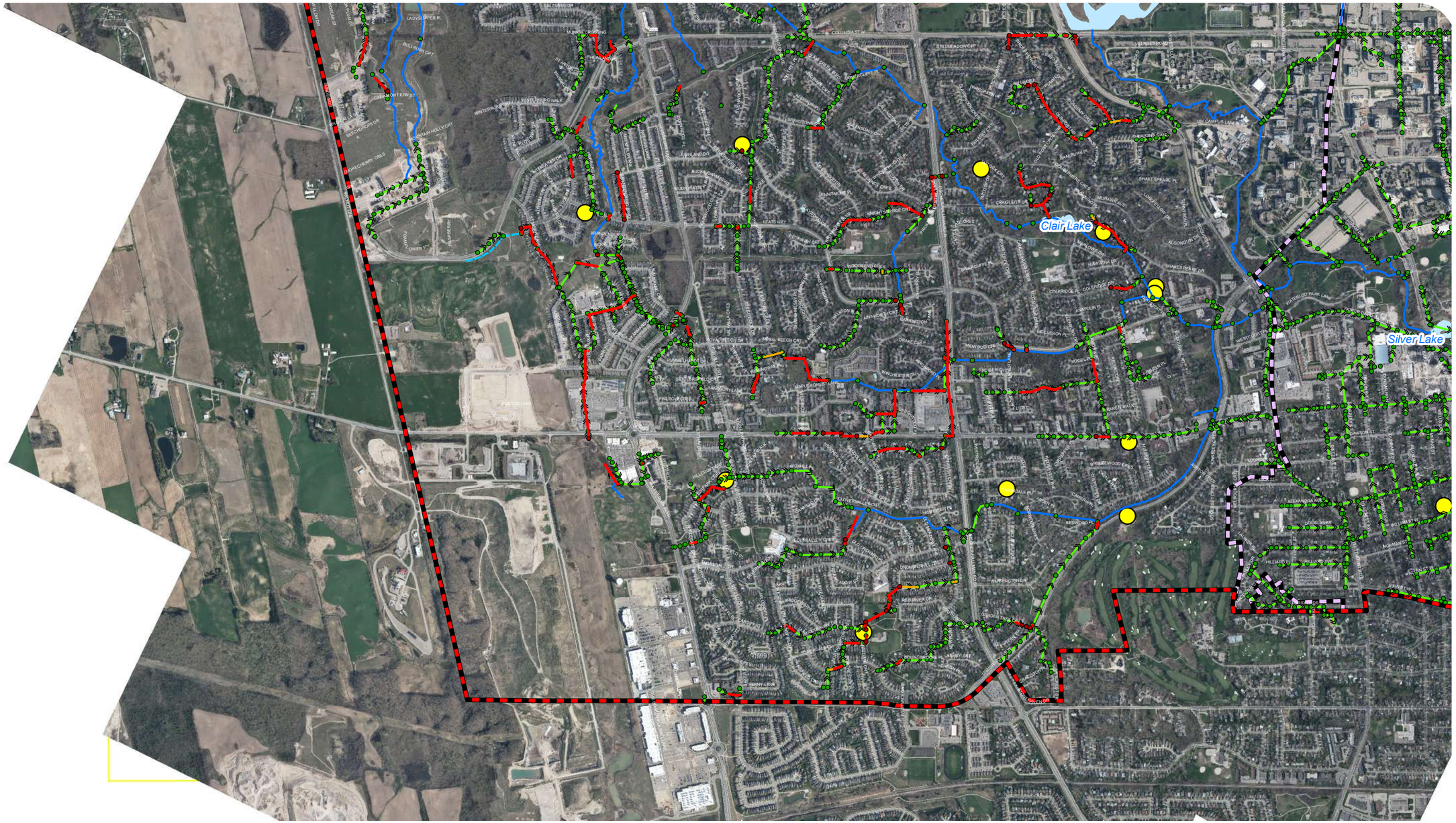
Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.
Date: December, 2019



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MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.2 - SCENARIO 2: INTENSIFICATION

Legend

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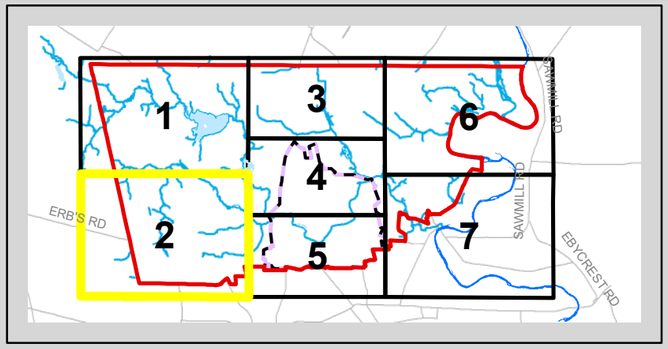

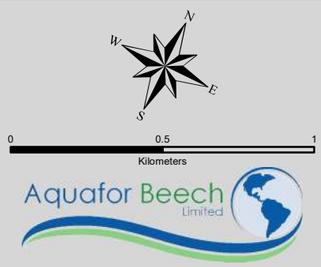

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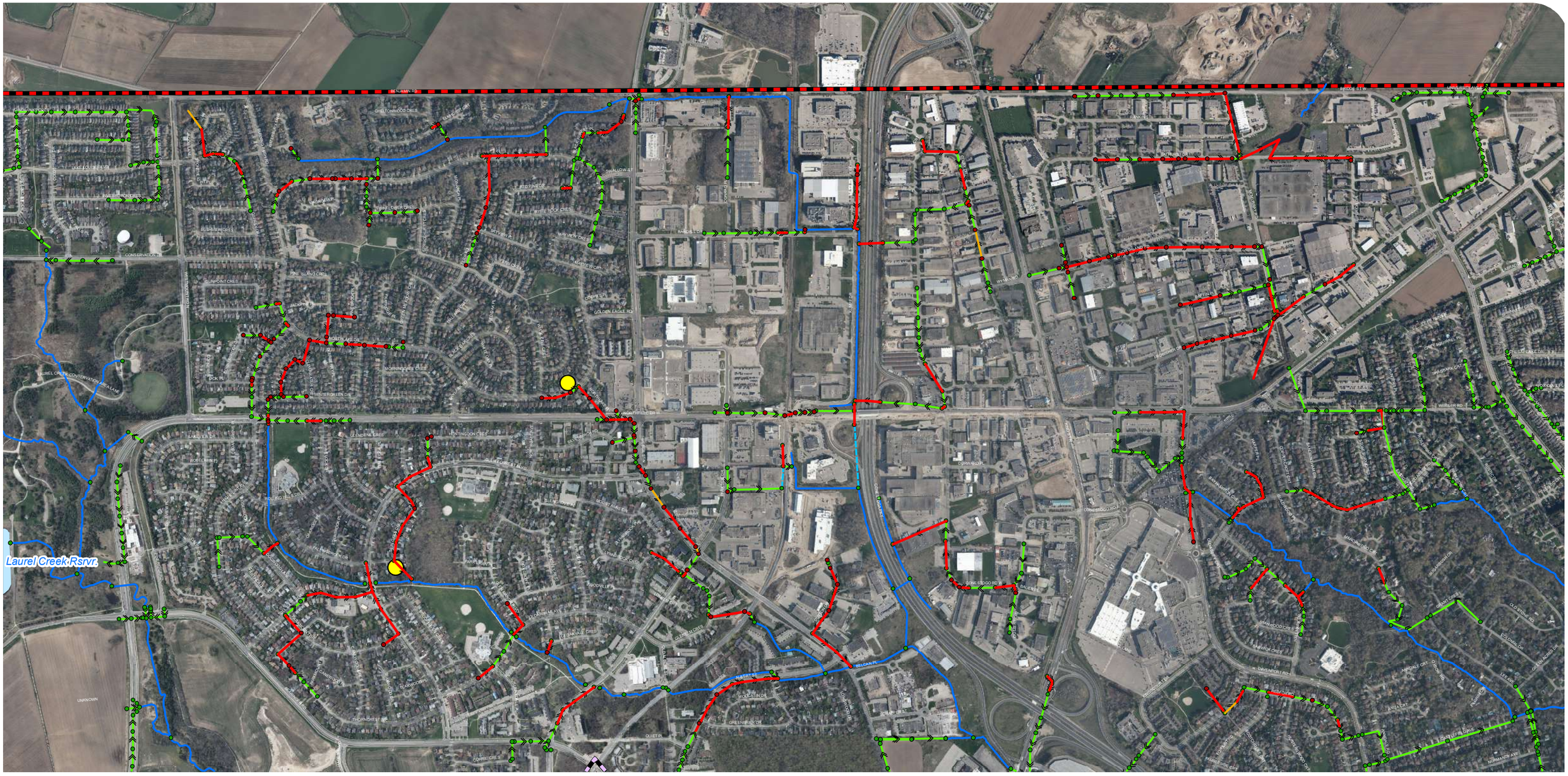

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MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.2 - SCENARIO 2: INTENSIFICATION

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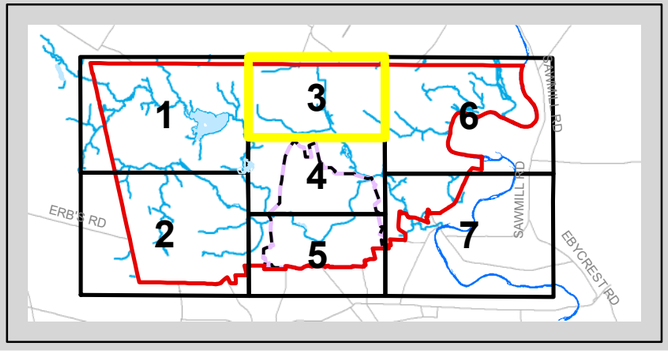

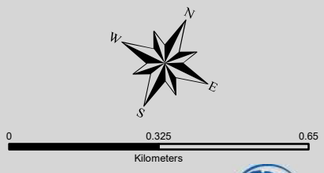

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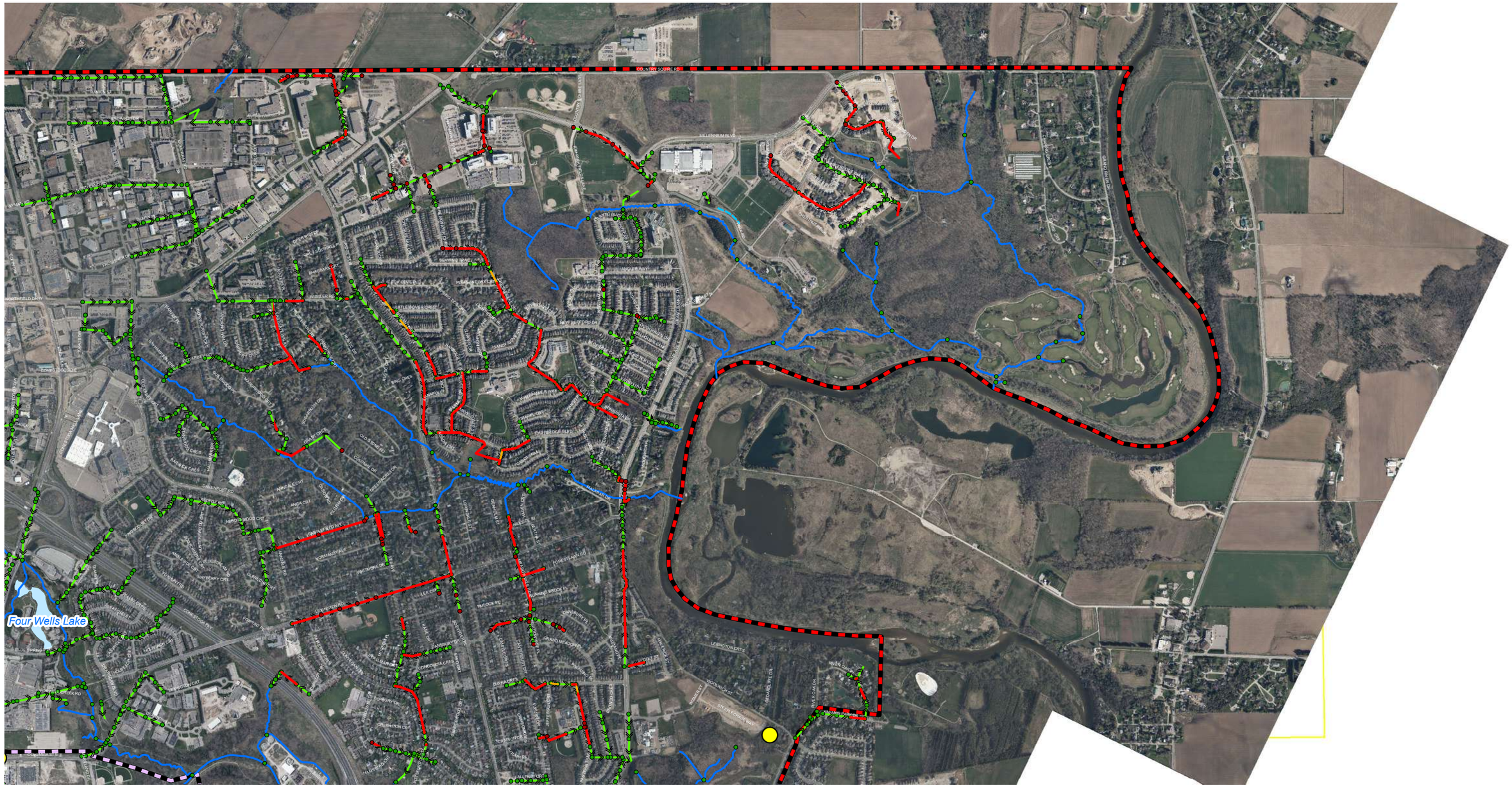

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MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.2 - SCENARIO 2: INTENSIFICATION

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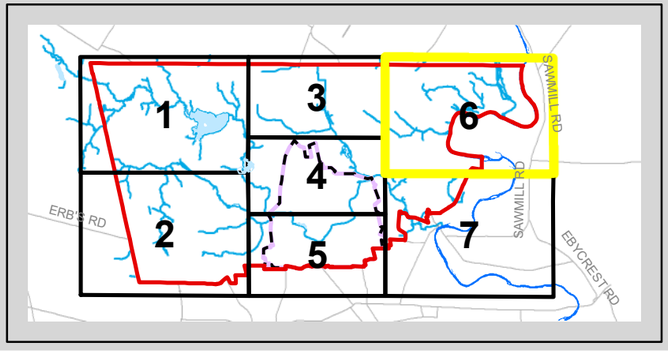

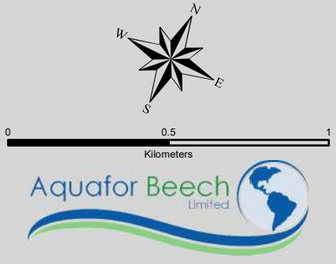

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MUNICIPAL CLASS EA
STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.2 -
SCENARIO 2: INTENSIFICATION

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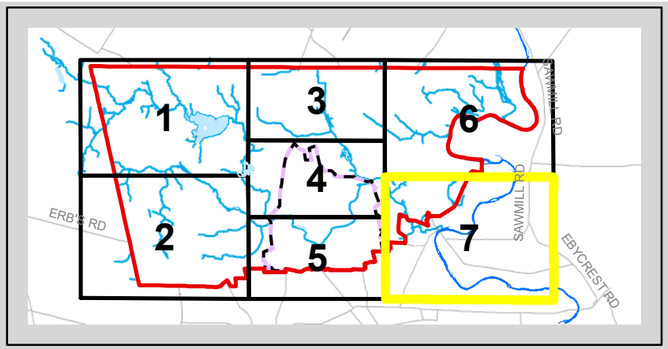

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Aquafor Beech Limited

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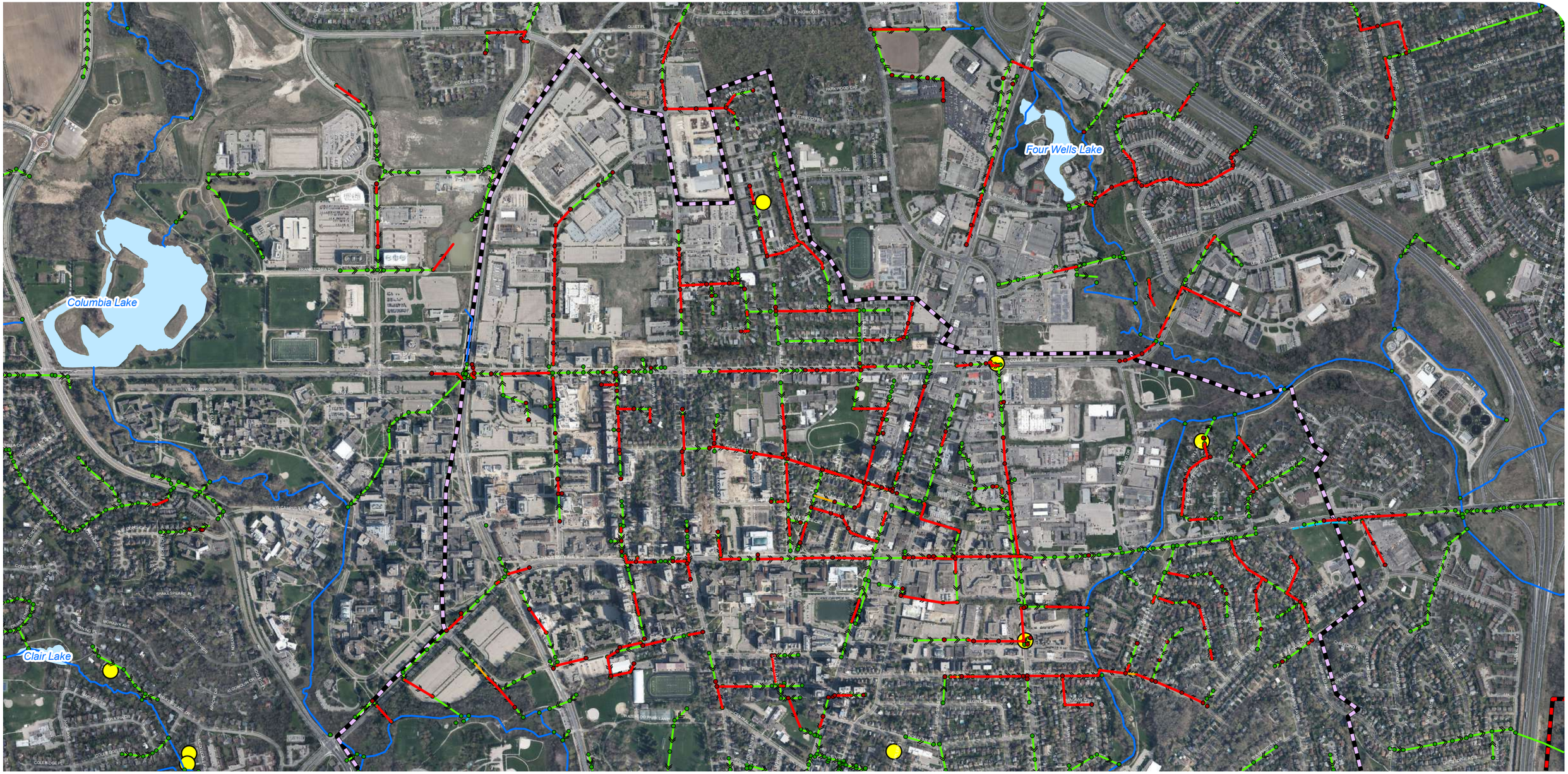

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MUNICIPAL CLASS EA
STORMWATER MANAGMENT
MASTER PLAN

FIGURE 3.2 -
SCENARIO 2: INTENSIFICATION

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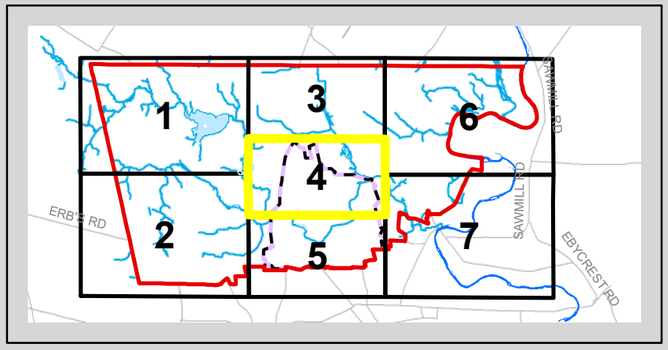

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Aquafor Beech Limited

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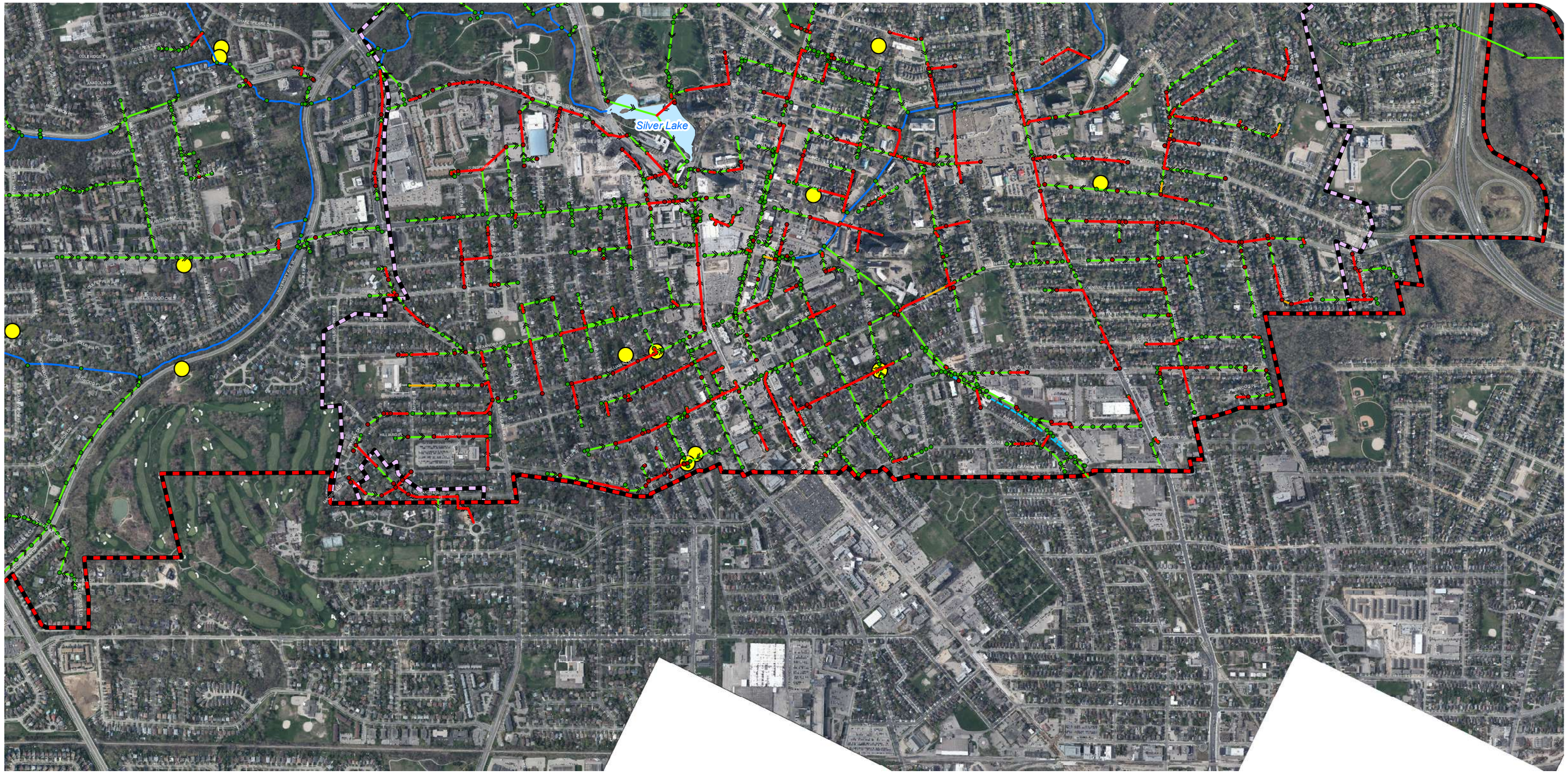

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MASTER PLAN

FIGURE 3.2 -
SCENARIO 2: INTENSIFICATION

Legend

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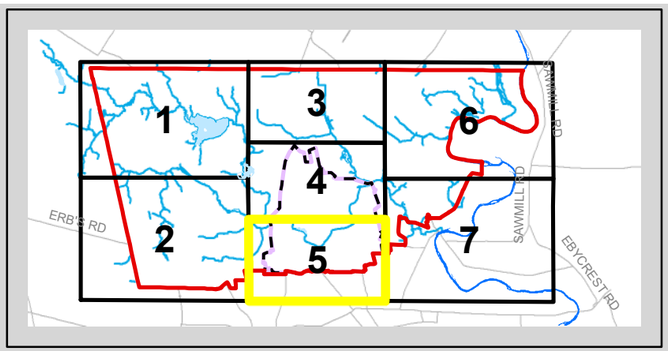

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3.3 Scenario 2 – Climate Change Scenario

Climate change resilience, adaptation and mitigation is now considered an integral part of stormwater design and implementation. Alterations to the hydrologic regime caused by climate change could affect the function and vulnerability of existing SWM practices, including the long- and short-term impacts of:

1. More frequent and intense storm events,
2. Rising air and water temperatures,
3. More extended and frequent droughts,
4. More frequent winter thaws,
5. Earlier spring thaws and associated freshets, and
6. Altered plant communities, including die-outs in some vegetation types, reductions in the densities of some species and introduction of new possibly less desirable species.

Localized Climate Projections for Waterloo Region (2015) report recommends that Intensity-Duration-Frequency (IDF) curves and flood protection plans should be revised to consider climate change impacts. It was also recommended by the *Localized Climate Projections for Waterloo Region* report that all cities in Southern Ontario should consider increasing the current values of IDF curves by around 20%.

Since 2015, several tools have been developed by climate scientists and statisticians to project future IDF relationships for rainfall events in Ontario. For the purposes of the model for this report, the **IDF_CC Tool 4.0** was used to generate a local IDF curve that accounts for the possible impacts of climate change. This tool was developed through the University of Western Ontario and the Institute for Catastrophic Loss Reduction. It applies a user-friendly GIS interface and provides precipitation accumulation depths for a variety of return periods (1:2, 1:5, 1:10, 1:25, 1:50 and 1:100 years) and durations (5, 10, 15 and 30 minutes and 1, 2, 6, 12 and 24 hours), and allows users to generate IDF curve information based on historical data, as well as future climate conditions that can inform infrastructure decisions. The IDF_CC tool stores data associated with 700 Environment and Climate Change Canada operated rain stations from across Canada. The IDF_CC tool allows users to select multiple future greenhouse gas concentration scenarios and apply results from a selection of 24 Global Circulation Models (GCMs) and 9 downscaled GCMs scenarios that simulate various climate conditions to local rainfall data.

The climate change scenario was run in the model to assess the potential risks, vulnerabilities, and liabilities involved in the long-term maintenance of infrastructure due to climate change.

3.3.1 Methodology

The IDF_CC tool gives user the ability to choose any data range between 2006 and 2100 of at least 30 years for climate projections. For this study a temporal projection range should reflect full intensification as identified in **Section 1.2** and the potential for full integration of source and conveyance controls. A projection range of 50 years (2020 to 2070) was selected at the Waterloo Wellington A (ID # 6149387) rain gauge. This rain gauge has a historical data range of 33 years between 1971 to 2007. The “all models ensemble” raw GCMs model selection default was chosen for the analysis. Results for the RCP 2.5, RCP 4.5 and RCP 8.5 scenarios as published by the International Panel on Climate Change (IPCC) 5th Assessment Report are presented in **Table 3.3.**

Table 3.3 - IDF_CC Tool 4.0 results for 2020-2070

Representative Concentration Pathway	Average 5-year, 4-hr Intensity (mm/hr)	Existing Conditions Average 5-year, 4-hr Intensity (mm/hr)	Change from Current IDF (%)
RCP 2.6	12.44	11.65	6.8%
RCP 4.5	12.73		9.2%
RCP 8.5	13.33		14.4%

3.3.2 Results

With the use of the IDF_CC Tool 4.0, the climate change scenario was developed by rerunning the existing conditions baseline model with the Climate Change IDF curve for a 1:5-year 4-hour storm event under the RCP 8.5 pathway. The impacts of climate change on the existing storm sewer network is displayed in **Figure 3.3,** where surcharged sewers are highlighted in red.

Table 3.4 identifies the change in the level of service provided during the 1:5-year event from the existing conditions model to the climate change scenario. An increase of 11,028m of sewers reach capacity or become surcharged during the climate change scenario compared to the existing conditions model. This suggests that the impacts of climate change may require upgrades to the minor system.

Table 3.4 - Comparison of Existing Conditions and Climate Change Scenarios during 1:5-year Storm Event

Scenario	Sewers at Capacity or Surcharged	
	Total Length (m)	% of Storm Sewers
Existing Conditions	71,870	39.3%
Climate Change Scenario	82,898	45.3%
Change in Service	**11,028**	**+6.0%**

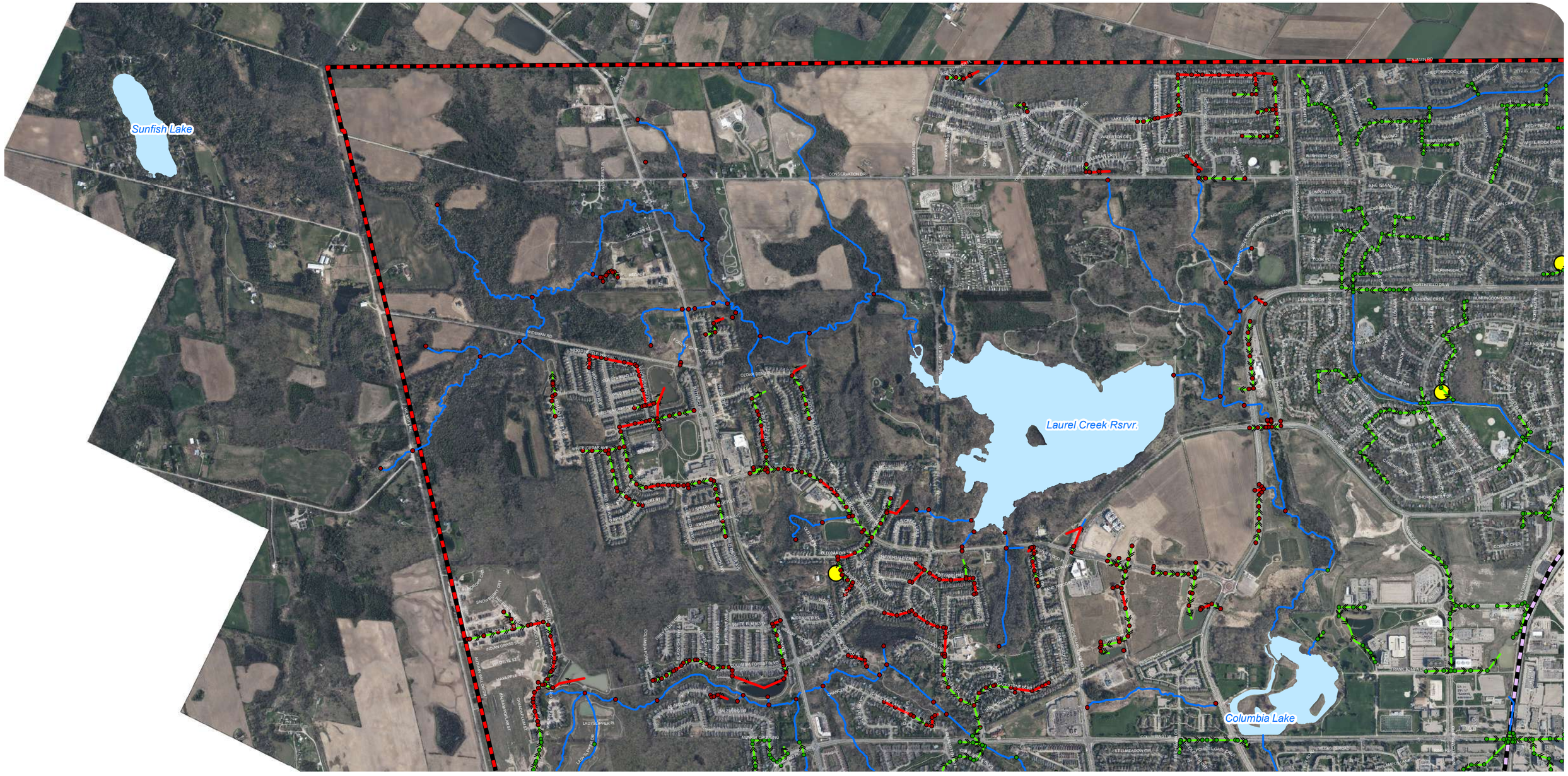

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FIGURE 3.3 - SCENARIO 3: CLIMATE CHANGE

Legend

- Flooding Reports
- Junctions
- Junctions Surcharged
- Pipes Surcharged
- Pipes At Capacity
- Pipes
- Creek
- Ditch
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- Core Area
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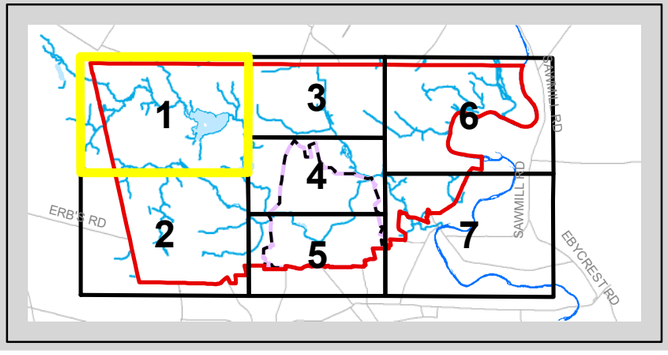

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Kilometers

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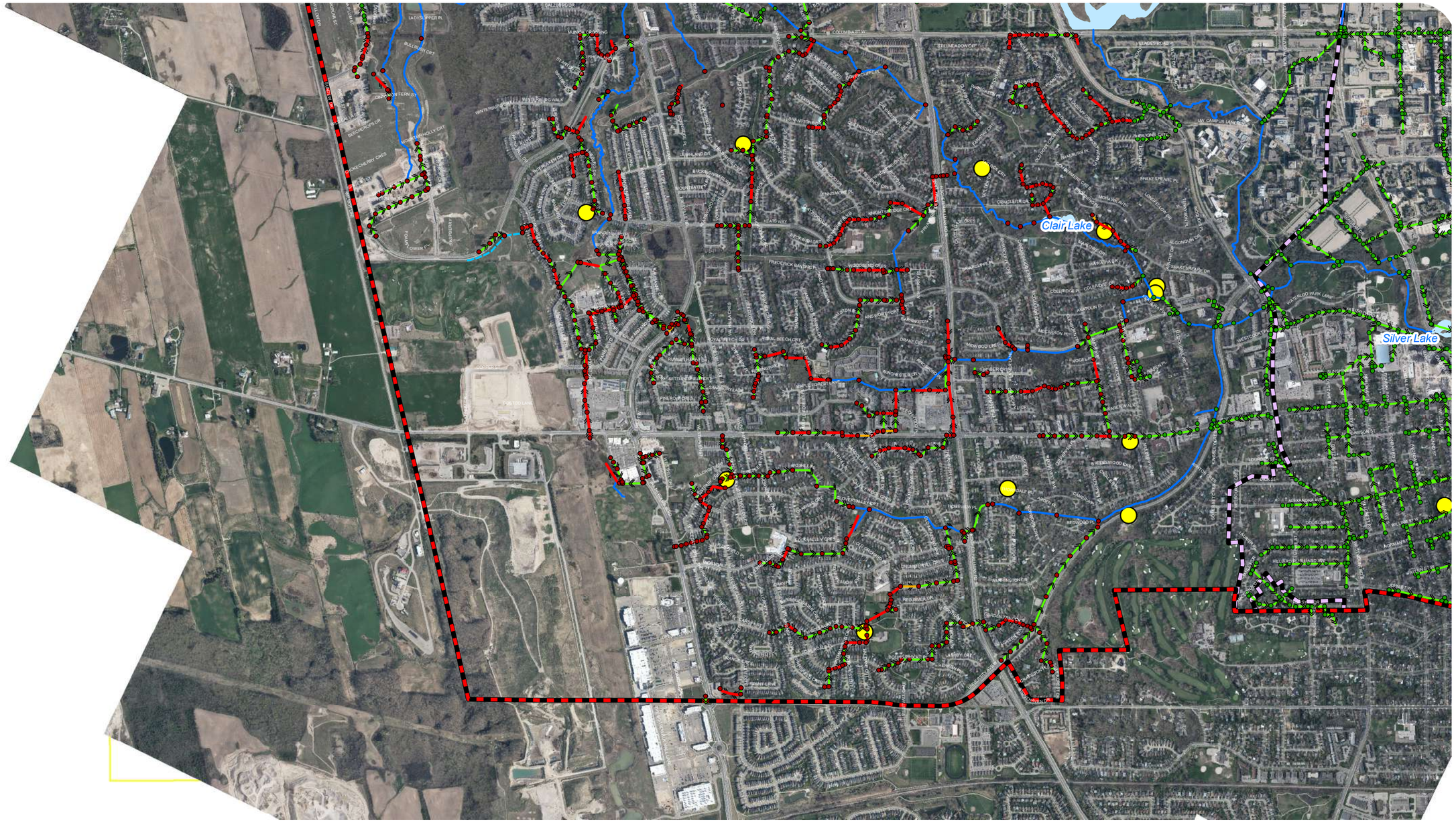
Date: December, 2019



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MUNICIPAL CLASS EA
STORMWATER MANAGMENT
MASTER PLAN

FIGURE 3.3 -
SCENARIO 3:CLIMATE CHANGE

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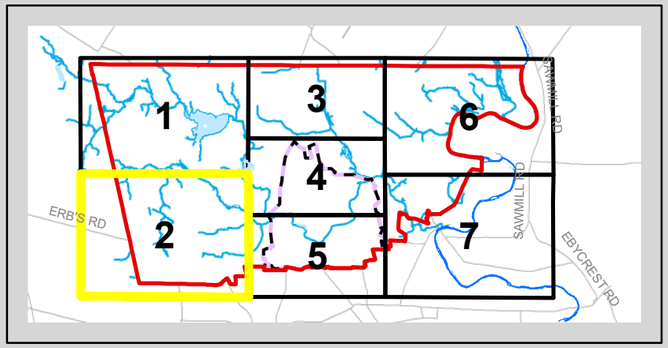

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Aquafor Beech Limited

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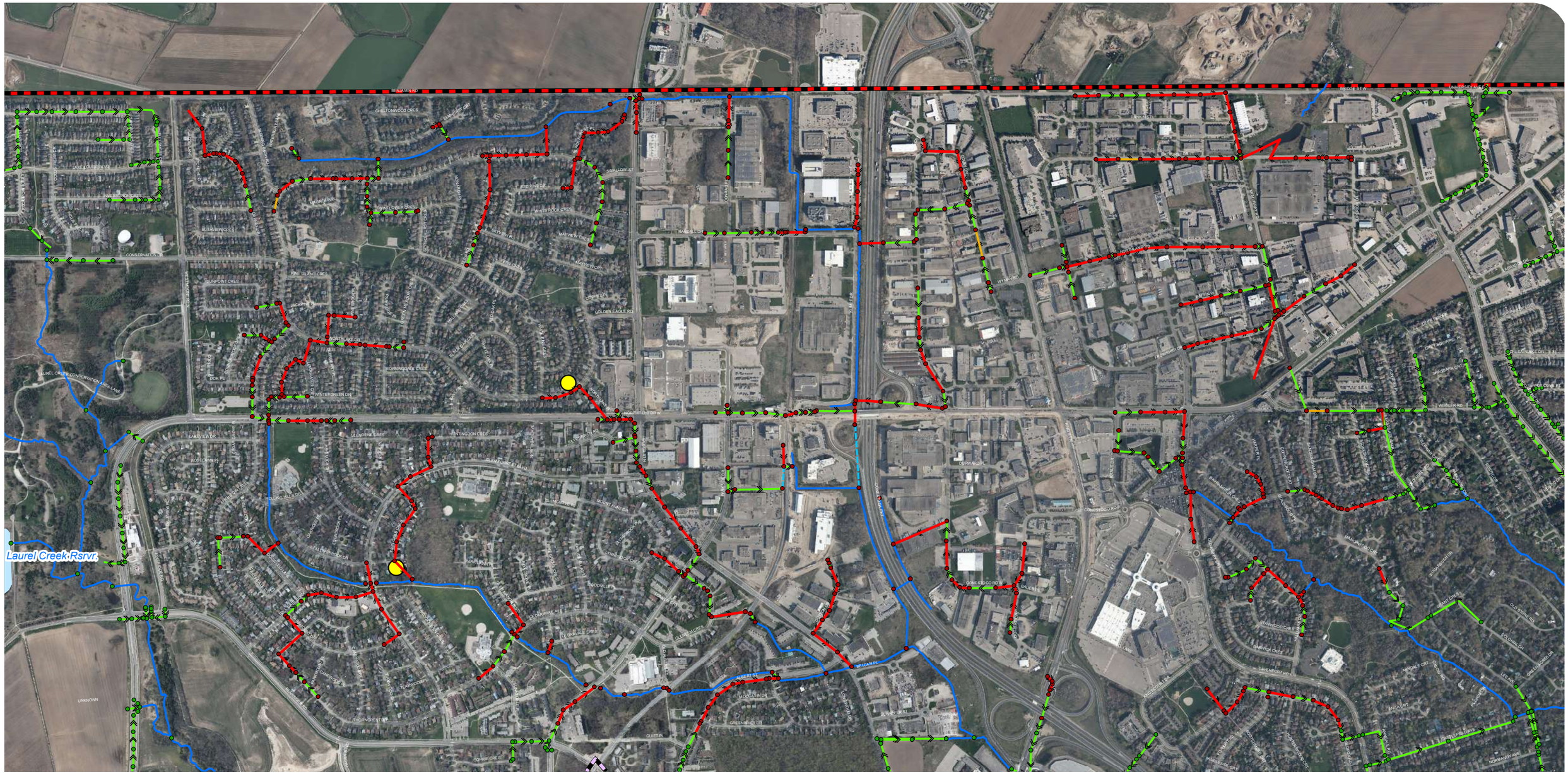

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MUNICIPAL CLASS EA
STORMWATER MANAGMENT
MASTER PLAN

FIGURE 3.3 -
SCENARIO 3: CLIMATE CHANGE

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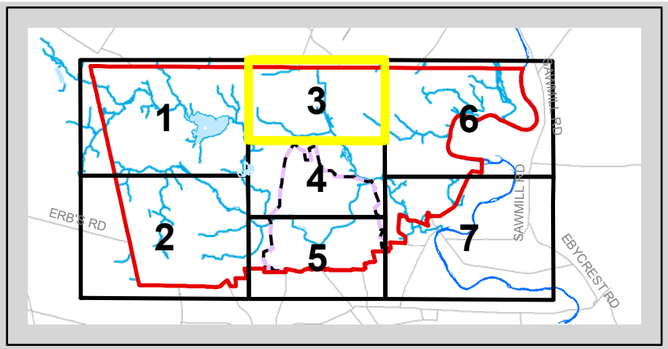

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Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.
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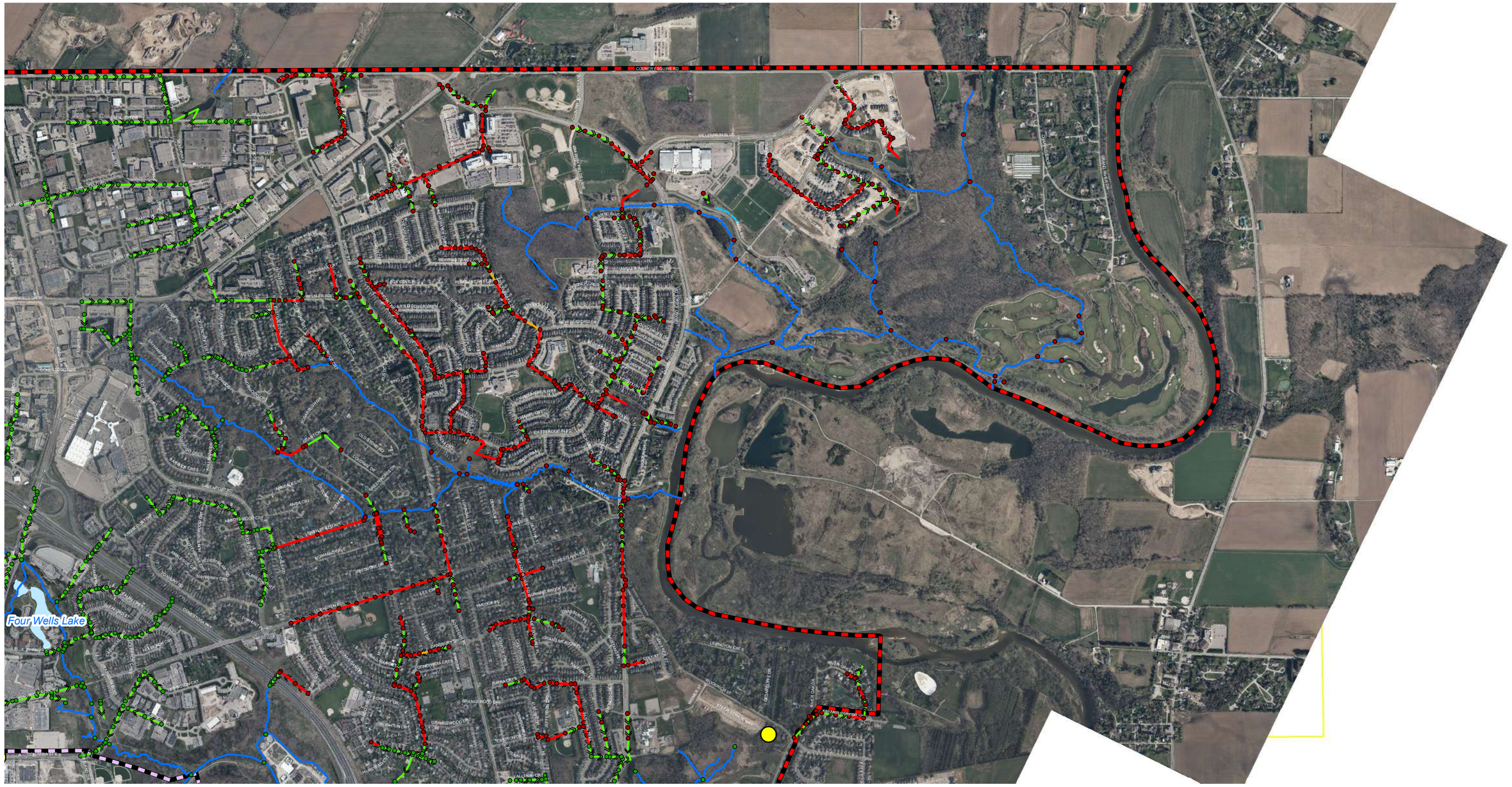

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MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.3 - SCENARIO 3: CLIMATE CHANGE

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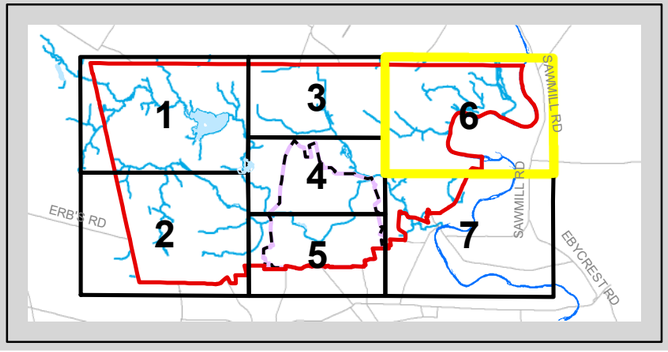

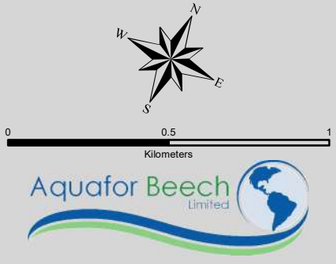

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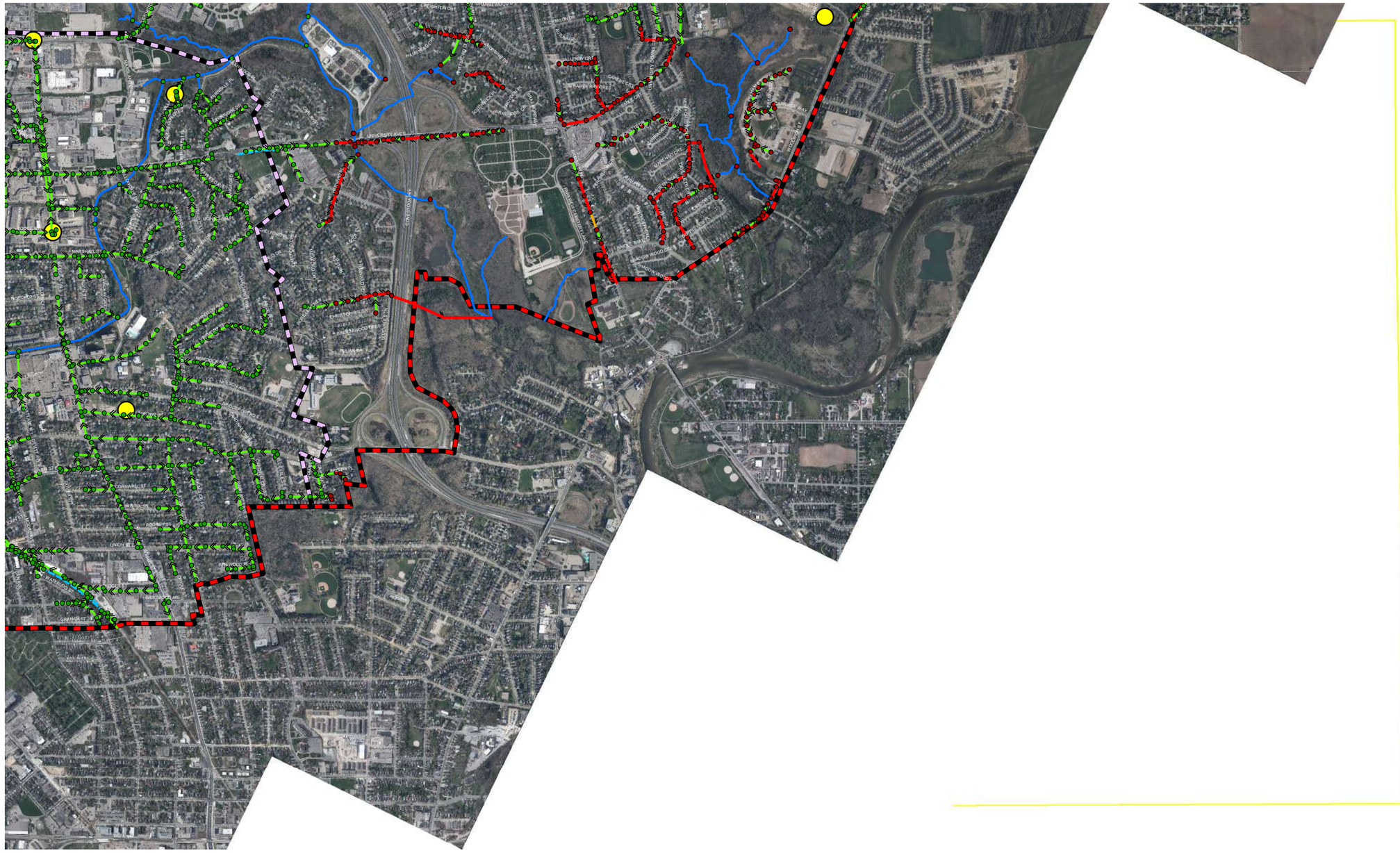

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MUNICIPAL CLASS EA
STORMWATER MANAGMENT
MASTER PLAN

FIGURE 3.3 -
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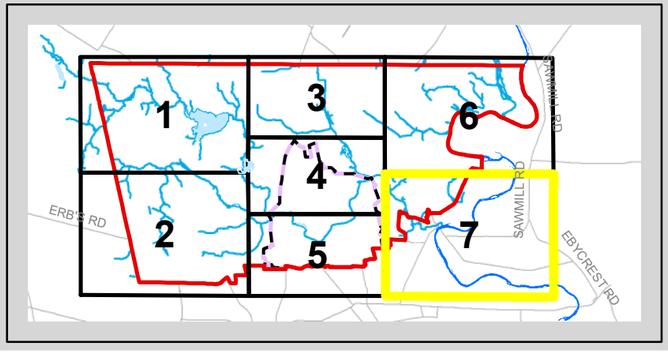

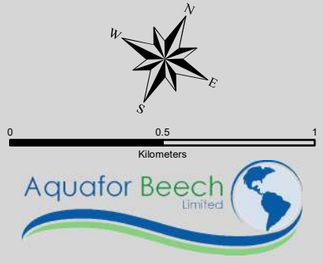

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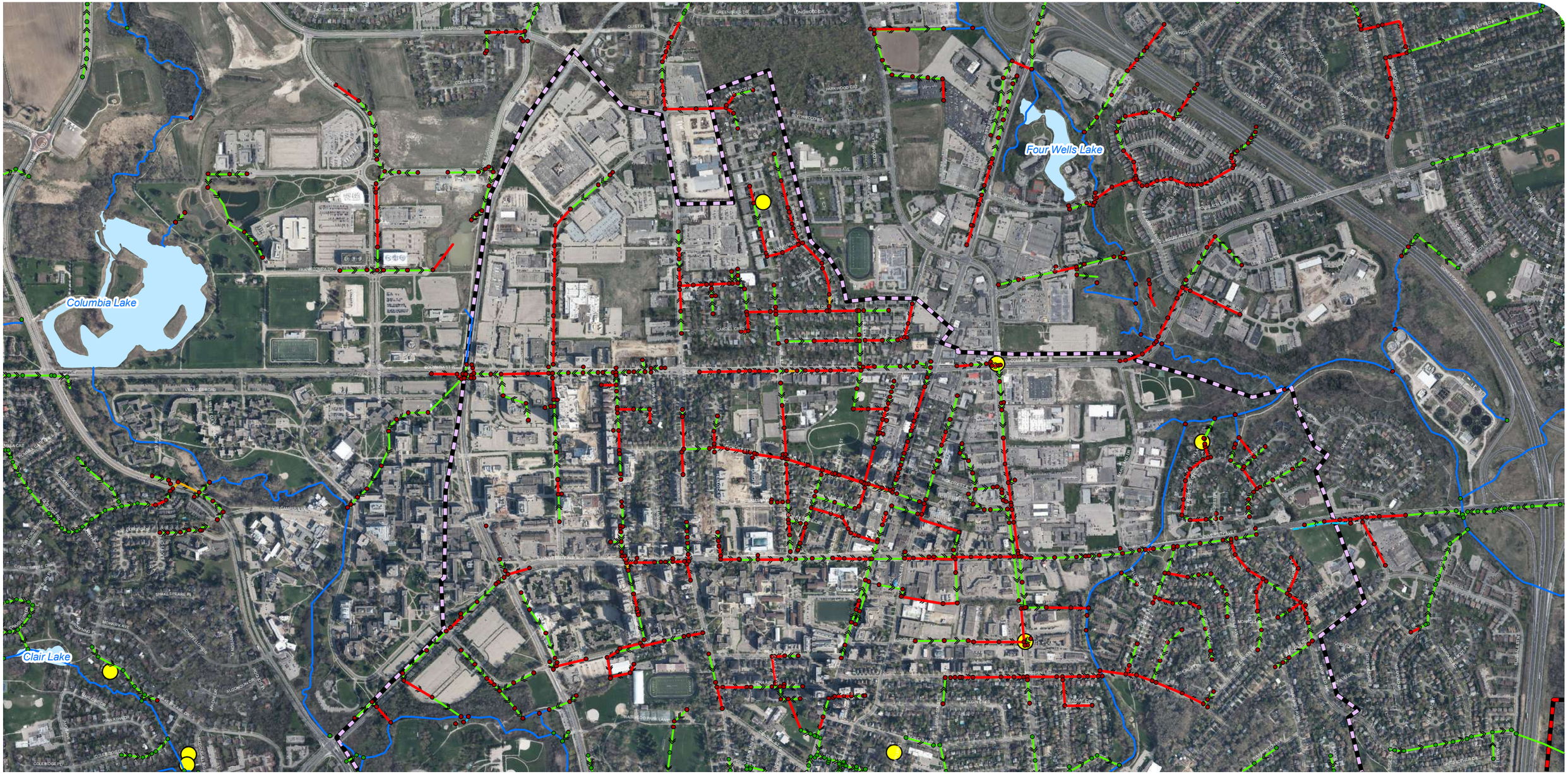

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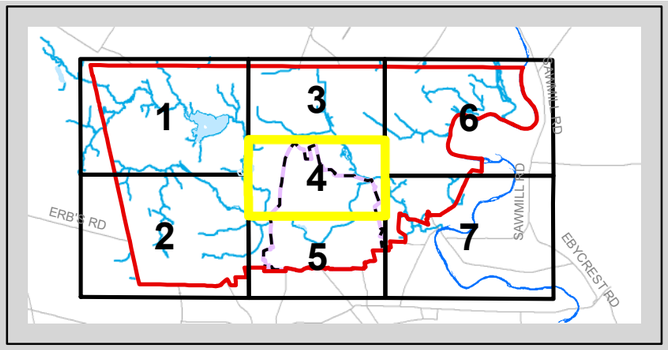

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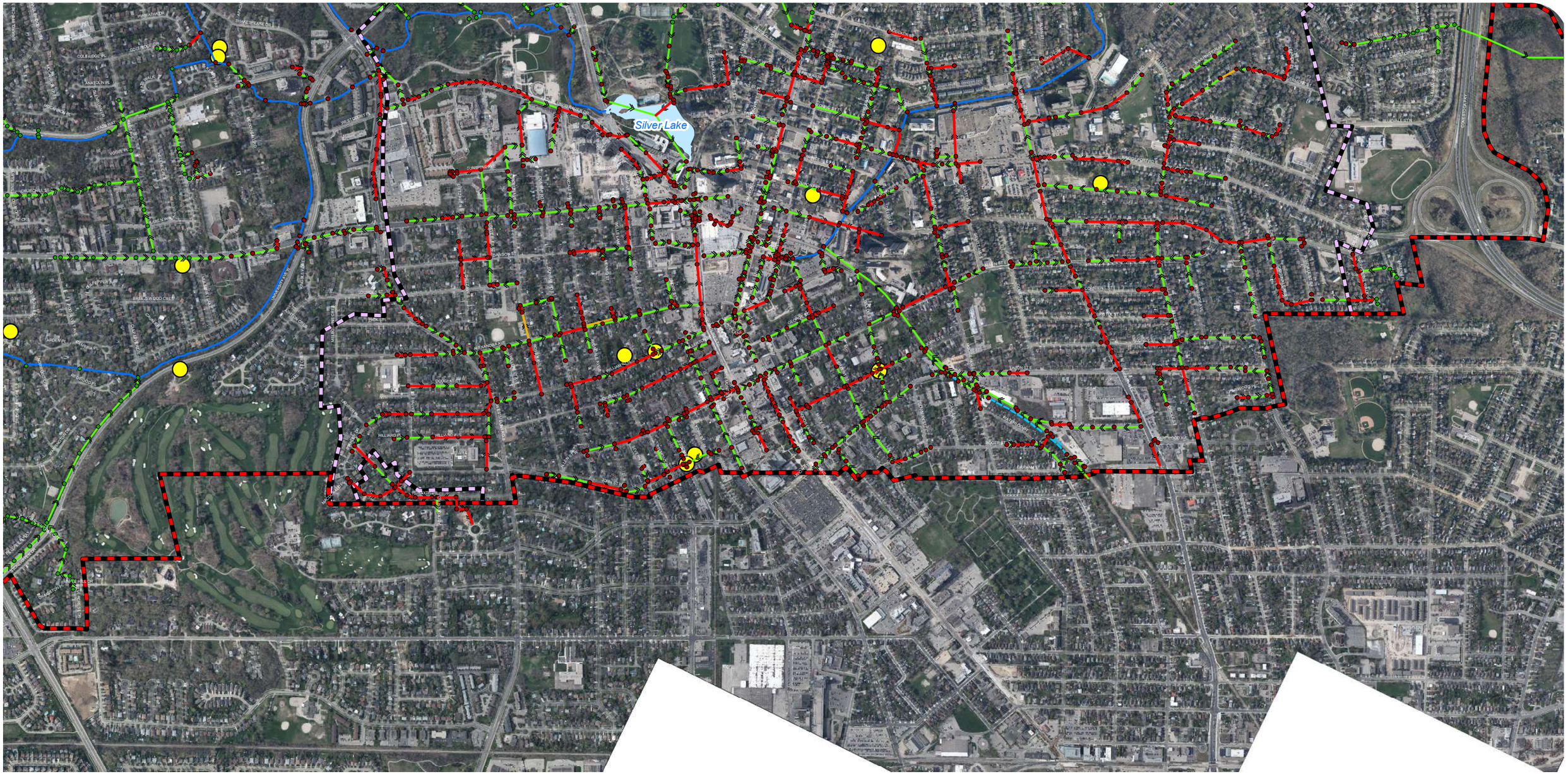

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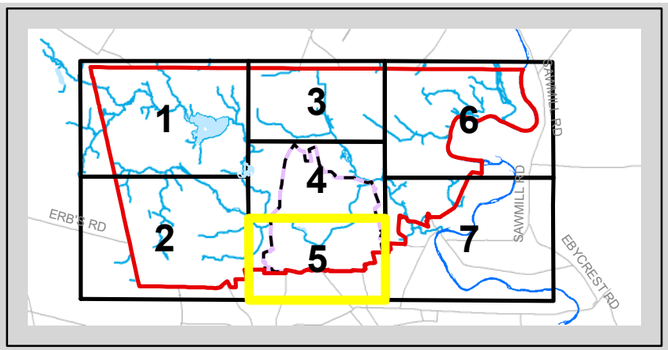

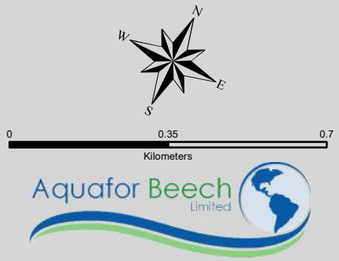

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Date: December, 2019

3.4 Scenario 3 – Water Quality Scenario

Water quality, including the pollutant levels found in surface runoff, can impact both human and ecological well-being. The modification of natural environments to agricultural and urban land uses can impact the landscape, vegetation, and ecological functions within a subcatchment, which in turn can contribute to increase in the levels of pollutants in the receiving watercourses. For most SWMM applications, surface runoff is the origin of water quality constituents (e.g., TSS, nitrate, phosphorus). Several mechanisms constitute the genesis of stormwater quality, most notably buildup and washoff.

3.4.1 Buildup

In an impervious urban area, it is usually assumed that a supply of constituents is built up on the land surface during dry weather preceding a storm. Such a buildup may or may not be a function of time and factors such as traffic flow, dry fallout and street sweeping. The buildup function for a given land use specifies the rate at which a pollutant is added onto the land surface during dry weather periods which will become available for washoff during a runoff event. Total buildup within a subcatchment is expressed as either mass per unit of area or as mass per unit of curb length. Separate buildup rates can be defined for each pollutant and land use. Three options are provided in SWMM to simulate buildup: the power function, the exponential function and the saturation function.

3.4.2 Washoff

With the storm the material is washed off into the drainage system. Washoff is, then, the process of erosion or solution of constituents from a subcatchment surface during a period of runoff. The physics of the washoff may involve rainfall energy, as in some erosion calculations, or may be a function of bottom shear stress in the flow as in sediment transport theory. Most often, however, washoff is treated by an empirical equation with slight physical justification. As an alternative to the use of a buildup-washoff formulation, quality loads (i.e., mass/time) may be generated by a rating curve approach in which loads are proportional to flow raised to some power. Three choices are available in SWMM to represent the washoff process for each pollutant and land use: event mean concentrations (EMCs), rating curves and exponential functions.

3.4.3 Land Use Data

Land uses characterize the activities (e.g. residential, commercial, industrial, etc.) within a subcatchment that affect pollutant generation differently. They are used to represent the spatial variation in pollutant buildup/washoff rates as well as the effect of street cleaning (if used) within a subcatchment. A subcatchment can be divided into one or more land uses. This division is done independently of that used for pervious and impervious sub-areas, and all land uses in the subcatchment are assumed to contain the same split of pervious and impervious area. Street sweeping is a function of land use and constituent.

The reliability and credibility of quality parameter simulation is very difficult to establish. In fact, quality predictions by SWMM or almost any other surface runoff model are almost useless without local data for calibration and validation. If such data are lacking, results may still be used

to compare relative effects of changes, but parameter magnitudes (e.g. predicted concentrations) will forever be in doubt.

There are a variety of pollutants as well as other physical, chemical and biological characteristics used to measure water quality. Some of the most common categories that are considered in this model include:

- Solids (e.g., Total Suspended Solids (TSS));
- Nutrients (e.g. phosphorus, nitrate);

TSS is one of the most common pollutants in urban stormwater and its concentration is typically high. The U.S. EPA (1983) reported TSS EMCs in the range of 180 - 548 mg/L while the UDFCD (2001) reports values between 225 mg/L and 400 mg/L depending on the land use. Some of the receiving water impacts associated with this pollutant are habitat change, stream turbidity, and loss of recreation and aesthetics. The solids associated with TSS can also contain toxic compounds, such as heavy metals and adsorbed organics.

The collection and analysis of instream water quality was not within the scope of the *Stormwater Management Master Plan*. The Water Quality scenario was run to assess how the City of Waterloo stormwater performs to the standard water quality parameters which are listed in **Table 3.5.**

Table 3.5 - Provincial Water Quality Objectives

Parameter	Unit	Provincial Water Quality Objectives (PWQO)
Total Suspended Solids	mg/L	n/a
Dissolved Solids	mg/L	n/a
Total Phosphorus	µg/L	30
Fecal Coliforms	Count /100ml	100
Copper*	µg/L	1 or 5 depending on hardness as CaCO3
Zinc*	µg/L	20
Chloride	mg/L	120 (long-term) ◊ 640 (short-term) ◊
Ammonia	mg/L	1.1 (at pH 8 & Temp 10 C)
Nitrate	mg/L	13 (long-term) ◊ 550 (long-term) ◊
pH	-	6.5-8.5
Hardness as CaCO3	mg/L	-

** These PWQO are revised objectives*

◊ These are Canadian Water Quality Guidelines, as no PWQO exist for chloride or nitrate.

3.4.4 Results

The water quality scenario was run on the existing conditions model using the 1:5-year storm event. The impacts of the water quality scenario on the existing storm sewer network is displayed in **Table 3.6**. The assessment was completed for the subcatchments within the City of Waterloo limits; Grand River Central South, Laurel Creek, Martin Creek, and Schneider Creek.

Table 3.6 - Summary of Water Quality Scenario

Subcatchments	Scenario 3 - Water Quality		
	Total Nitrate (kg)	***Total Phosphorus (kg)***	***Total TSS (kg)***
Grand River Central South	109.8	33.2	8011.8
Laurel Creek	69.8	19.4	4669.9
Martin Creek	18.5	4.3	687.9
Schneider Creek	4.2	1.1	222.3

3.5 Scenario 4 - Low Impact Development (Volume Control)

Non-traditional source and conveyance control such as Low Impact Development (LID) measures can provide stormwater treatment for individual properties and the collected drainage concentrated within the ROW of a municipal road (or regional road).

LID source controls measures are small-scale stormwater management techniques located at the beginning of a drainage system where stormwater is captured and treated on-site or close to where the rainfall lands. Due to the relatively small area treated by an individual measure, source controls must be well distributed to treat stormwater runoff effectively. These measures are generally installed on private property within residential, commercial, industrial and institutional land uses, but can also be installed within municipal lands such as parks, trails, municipal buildings and facilities. Source control measures provide treatment for the stormwater generated by roof, driveway, landscape and parking areas.

LID conveyance controls are linear stormwater transport systems that are generally located within the road right-of-way (ROW) of private and public roads where they encourage infiltration of water into the ground, improve water quality and reduce runoff. The suitability of LID conveyance controls depends on many environmental and planning considerations, including soil conditions, ROW size and characteristics, and implementation considerations. Examples of LID conveyance controls may include bioretention, bioswales, perforated pipes, permeable pavement, vegetated and enhanced swales, and proprietary stormwater quality treatment devices.

The Ministry of Environment, Conservation, and Parks (MECP) is currently in the process of developing Provincial Climate Change Low Impact Development Stormwater Management Guidance Manual, which will include minimum volume targets for LIDs in the province, and will serve as a companion document to the 2003 MOE Stormwater Management Planning and Design Manual.

For the purposes of this model, a moderate interim target of 12.5 mm volume retention is proposed for the Volume Control scenario. The 12.5 mm volume target corresponds to a future scenario in which all catchments are provided with some form of source and/or conveyance control reducing runoff volume significantly. The 12.5 mm volume retention target was also selected as it generally offsets the predicted effects of climate change (see **Section 3.5.1.2** for additional detail).

The LID scenarios assume the application of the 12.5 mm volume retention across all of the City's subcatchments over an extended time period. This time period has been assumed to be in the projection range of 50 years (i.e. 2070) to coincide with the projected range of the climate change scenario (see **Section 3.3**).

3.5.1 Results

The impacts of introducing LIDs was observed in three scenarios, Existing Conditions, Climate Change, and Water Quality, as described below.

3.5.1.1 Scenario 4a - Existing Conditions (Volume Control)

The impacts of the existing conditions scenario with volume control on the existing storm sewer is displayed in **Figure 3.4**, where surcharged sewers are highlighted in red. This was modelled as an input of 12.5mm depression storage across all of the City's subcatchments, using the existing IDF curve for a 1:5-year, 4-hour storm event.

Table 3.7 identifies the change in the level of service provided during the 1:5-year event from the existing conditions model with the addition of LIDs. A decrease of 15,568m of sewers reach capacity or become surcharged during the volume control scenario compared to the existing conditions model.

Table 3.7 - Comparison of Existing Conditions and Volume Control Scenarios during 1:5-year Storm Event

Scenario	Sewers at Capacity or Surcharged	
	Total Length (m)	% of Storm Sewers
Existing Conditions	71,870	39.3%
Volume Control Scenario	56,303	30.8%
Change in Service	**-15,568**	**-8.5%**

3.5.1.2 Scenario 4b - Climate Change (Volume Control)

The effects of climate change on existing infrastructure can be reduced through the use of low impact development (LIDs) volume control options. The impacts of the climate change scenario with volume control on the existing storm sewers is displayed in **Figure 3.5**, where surcharged sewers are highlighted in red. This was modelled as an input of 12.5mm depression storage across all of the City's subcatchments, using the modified climate change IDF curve for a 1:5-year, 4-hour storm event.

Table 3.8 compares the change in the level of service provided during the 1:5-year event between the climate change scenario and the climate change scenario with the addition of LIDs. The length of sewers which reach full capacity or become surcharged decreases by 10,234m with the addition of volume control.

Table 3.8 - Comparison of Climate Change and Climate Change (Volume Control) Scenarios during 1:5-year Storm Event

Scenario	Sewers at Capacity or Surcharged	
	Total Length (m)	% of Storm Sewers
Climate Change Scenario	82,898	45.3%
Climate Change (Volume Control) Scenario	72,664	39.7%
Change in Service	-10,234	-5.6%

3.5.1.3 Scenario 4c - Water Quality (Volume Control)

The impacts of the water quality scenario with volume control on the existing storm sewer is displayed in **Table 3.9.** This is modelled as an input of 12.5mm depression storage across all of the City's subcatchments, using the City's existing IDF curve for a 1:5-year, 4-hour storm event. As in Scenario 4 – Water Quality, the Water Quality (Volume Control) assessment was separated into four major subcatchments, representing 100% of the subcatchments within the City of Waterloo limits. A comparison between the water quality scenarios with and without volume controls is displayed in **Table 3.11** in **Section 3.6**.

Table 3.9 - Summary of Water Quality (Volume Control) Scenario

Subcatchments	Scenario 4c - Water Quality (Volume Control)		
	Total Nitrate (kg)	***Total Phosphorus (kg)***	***Total TSS (kg)***
Grand River Central South	75.0	22.2	5345.8
Laurel Creek	41.2	11.9	3009.6
Martin Creek	14.3	3.2	493.0
Schneider Creek	2.4	0.6	138.6

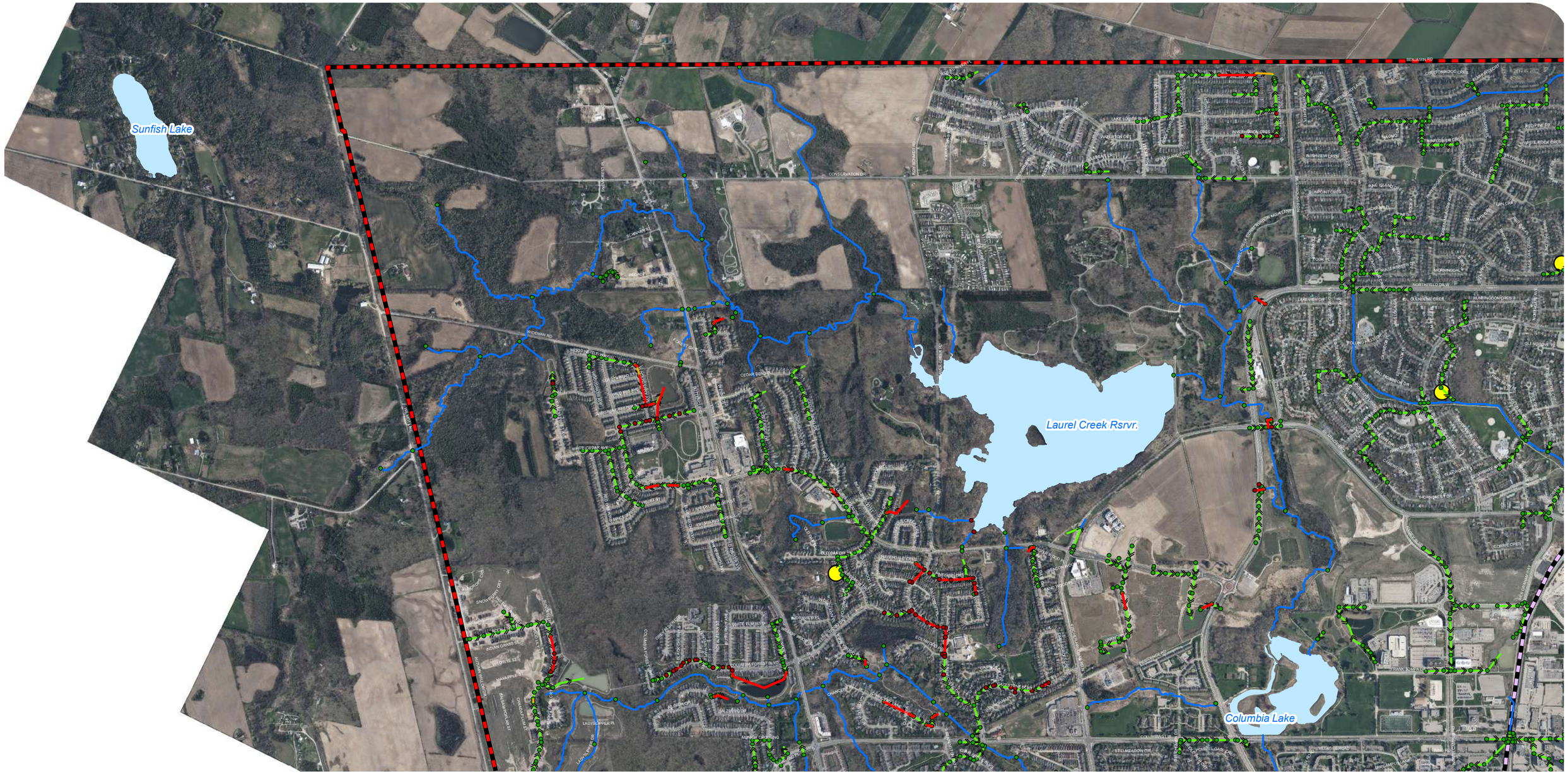

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FIGURE 3.4 - SCENARIO 4A: LOW IMPACT DEVELOPMENT

Legend

- Flooding Reports
- Junctions
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- Pipes Surcharged
- Pipes At Capacity
- Pipes
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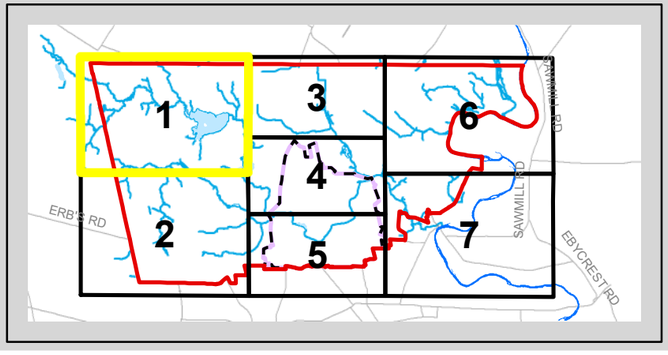
- Ditch
- Waterbody
- Study Area
- Core Area
- Data Frame Extent
- Map Series Index



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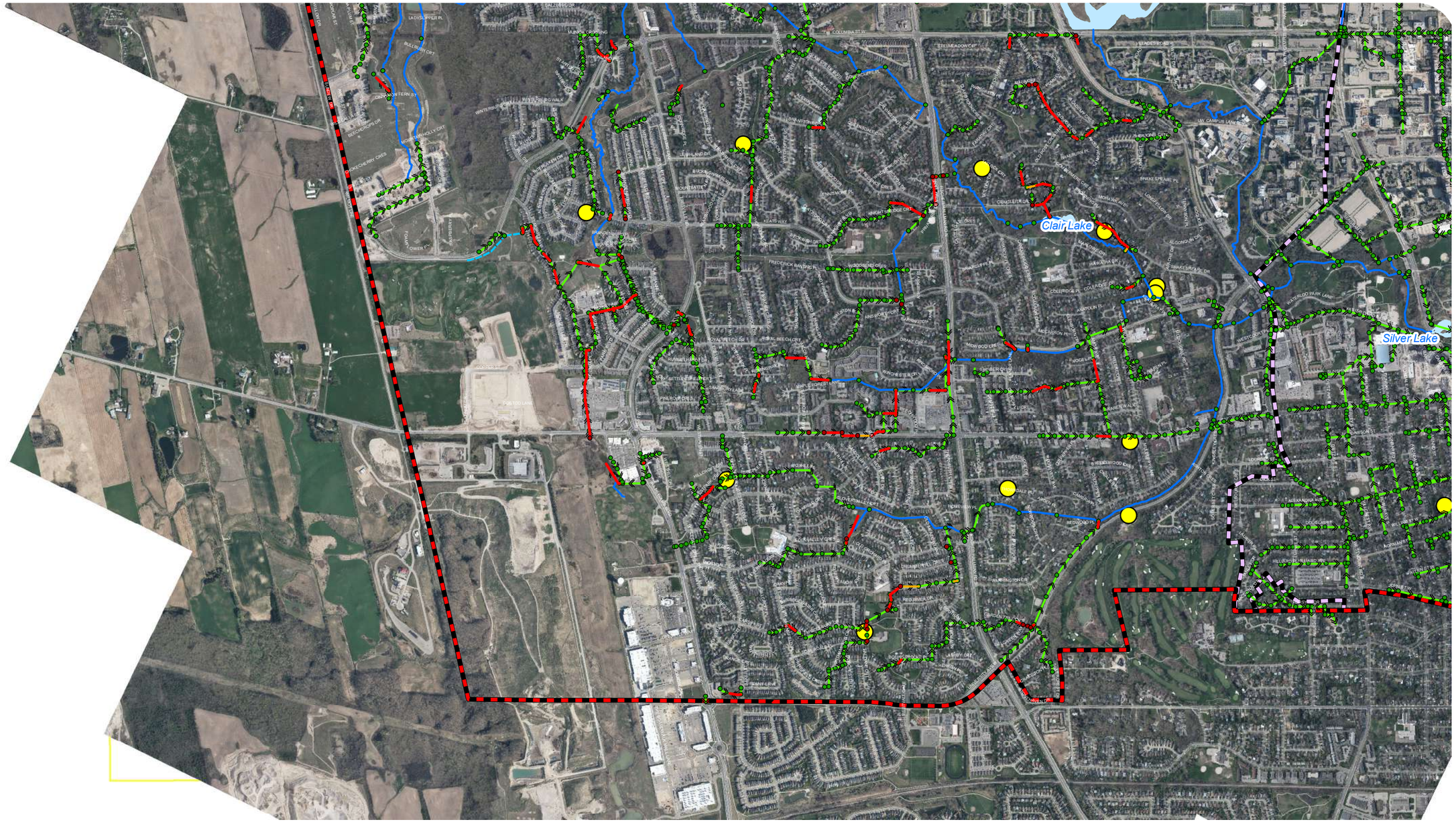

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FIGURE 3.4 - SCENARIO 4A: LOW IMPACT DEVELOPMENT

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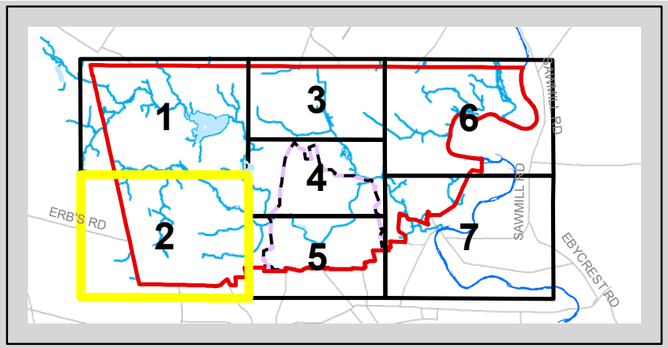

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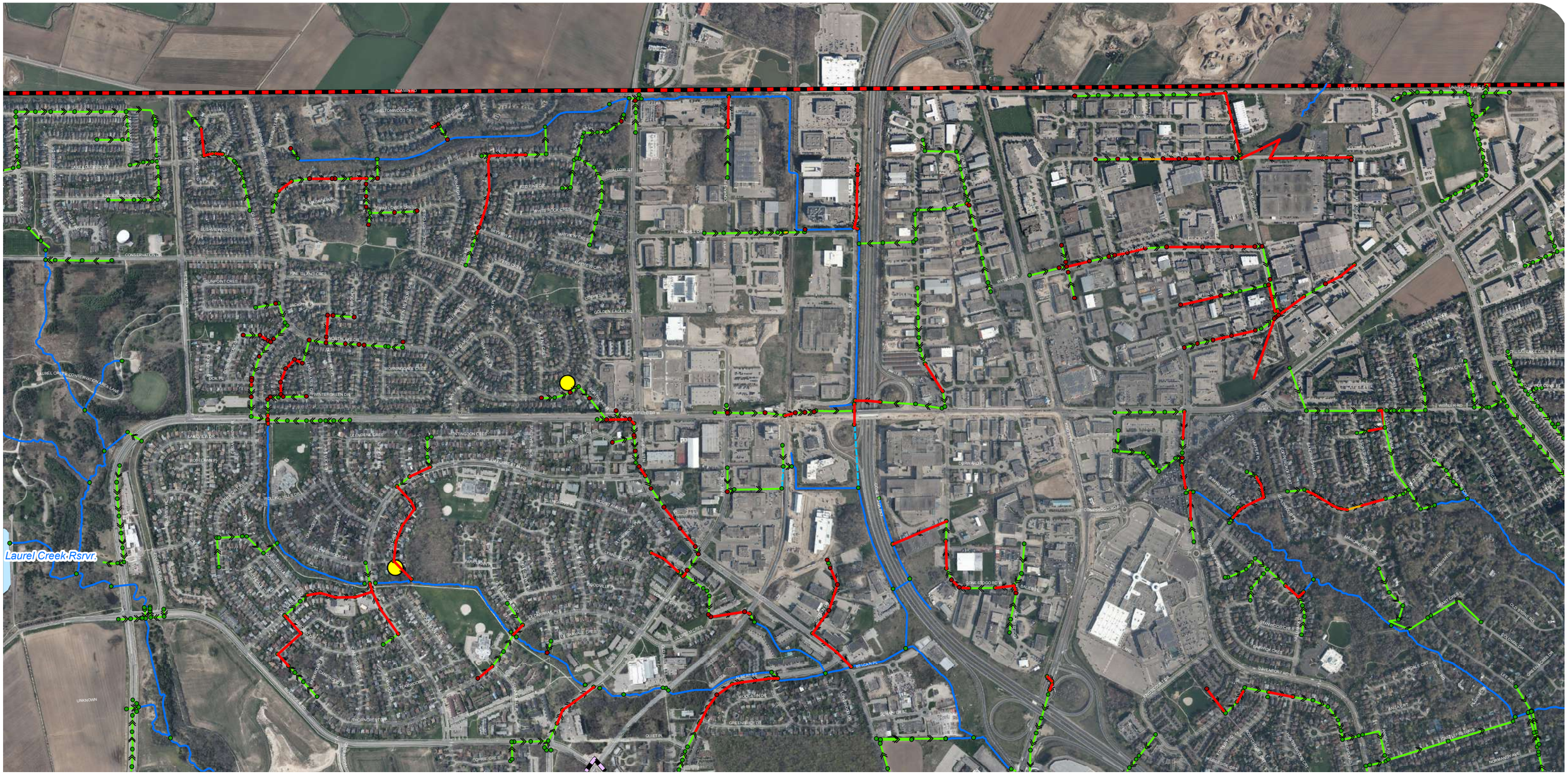

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MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.4 - SCENARIO 4A: LOW IMPACT DEVELOPMENT

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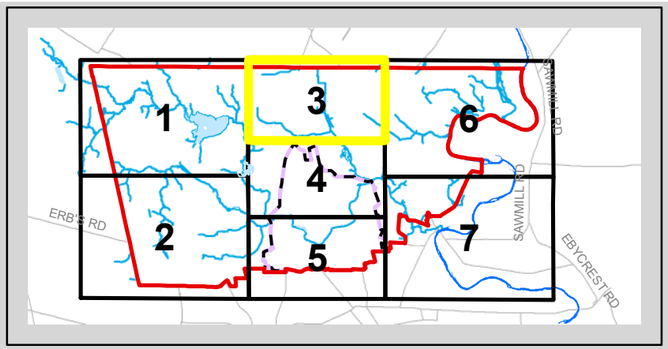

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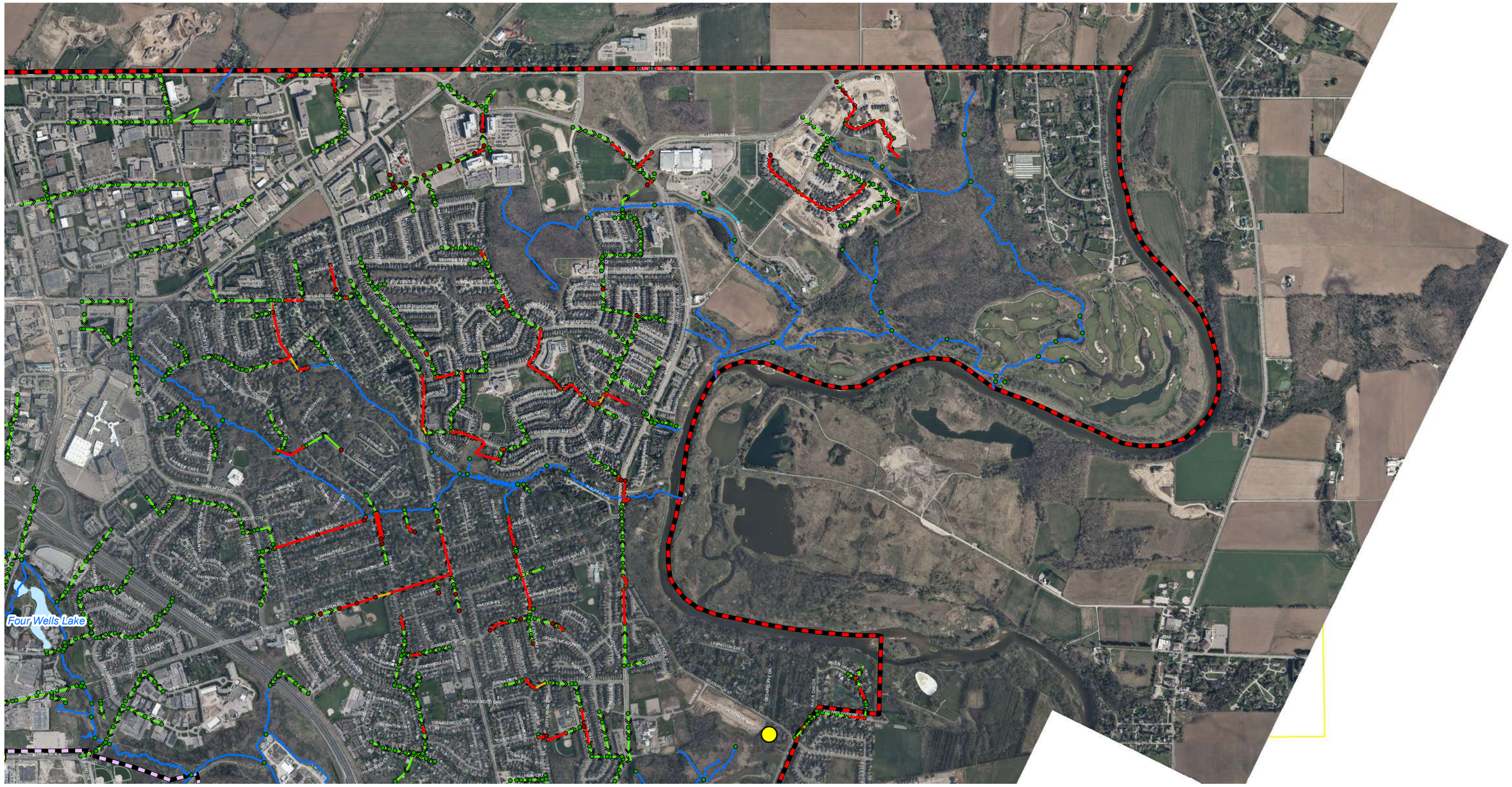

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FIGURE 3.4 - SCENARIO 4A: LOW IMPACT DEVELOPMENT

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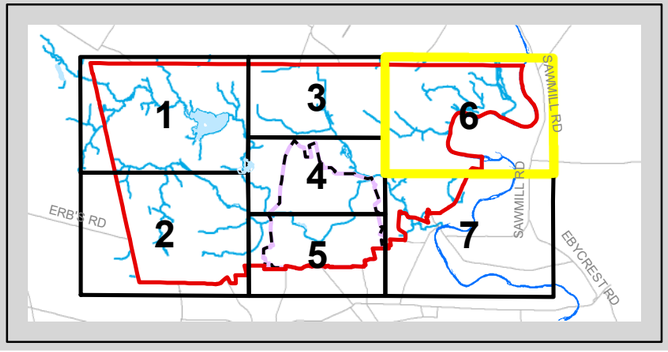

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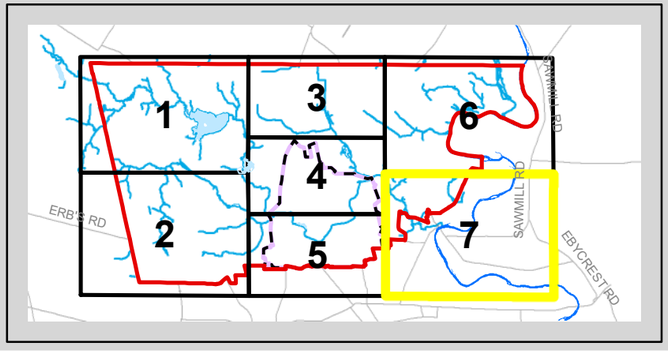

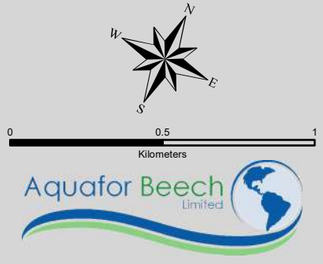

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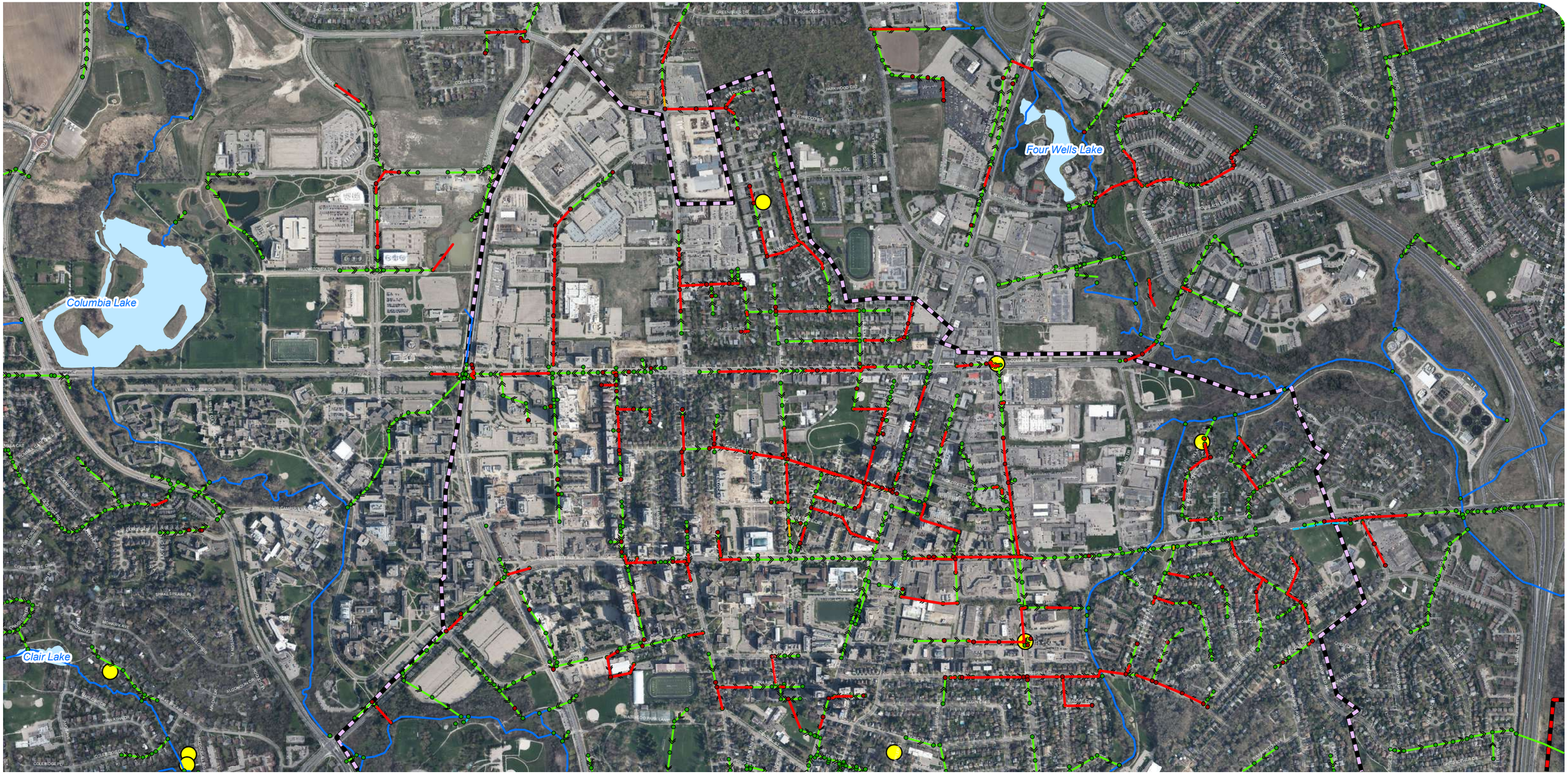

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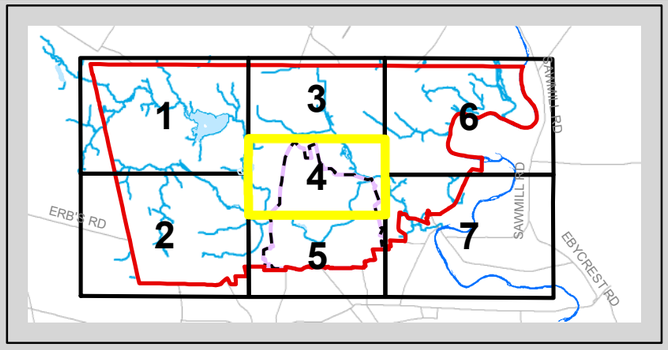

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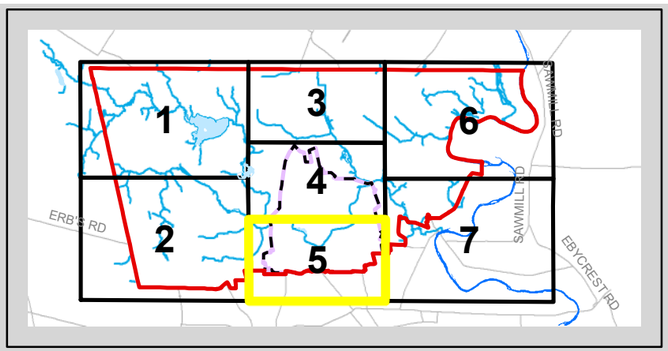

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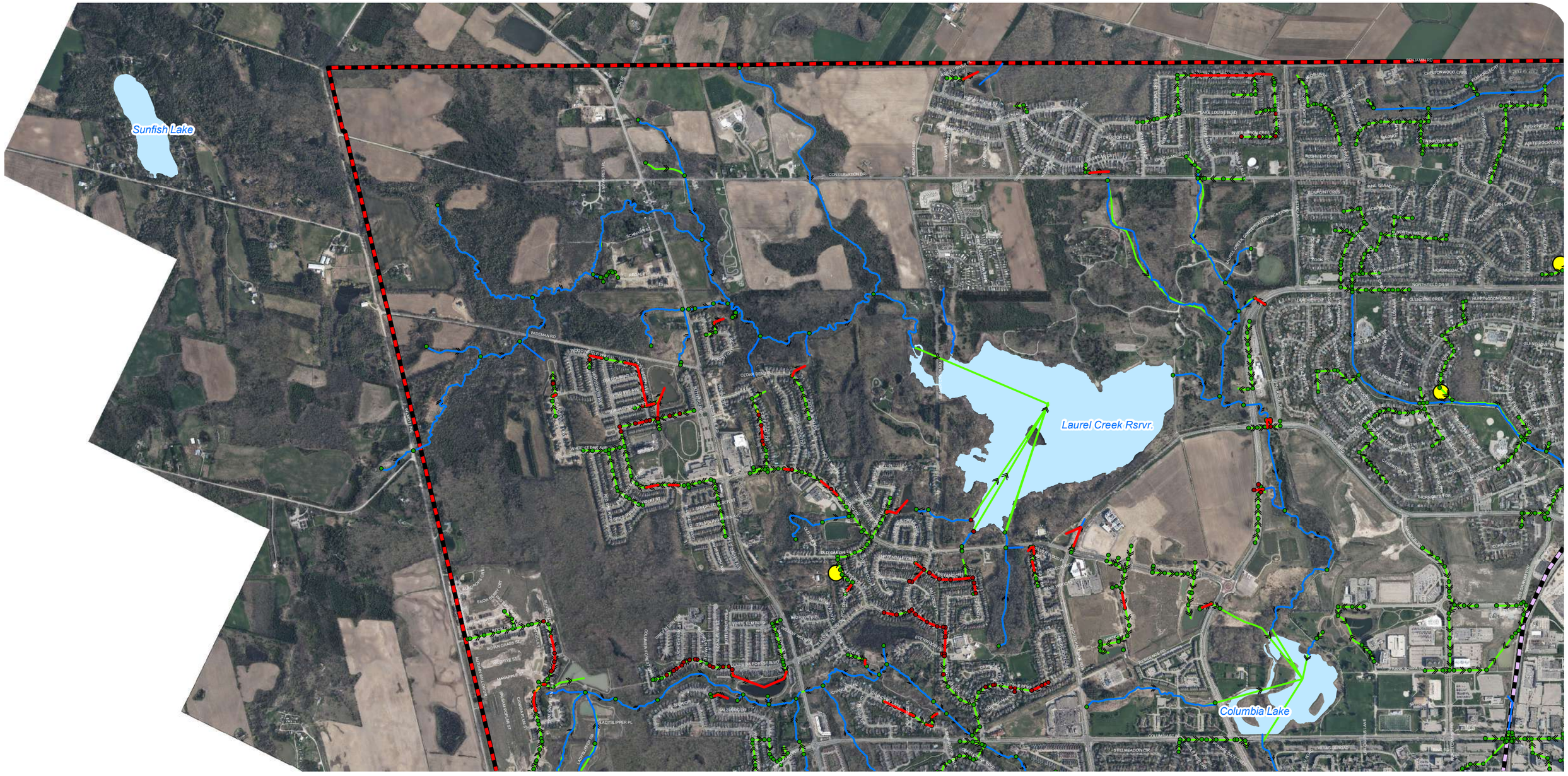

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FIGURE 3.5 - SCENARIO 4B: CLIMATE CHANGE WITH LID

Legend

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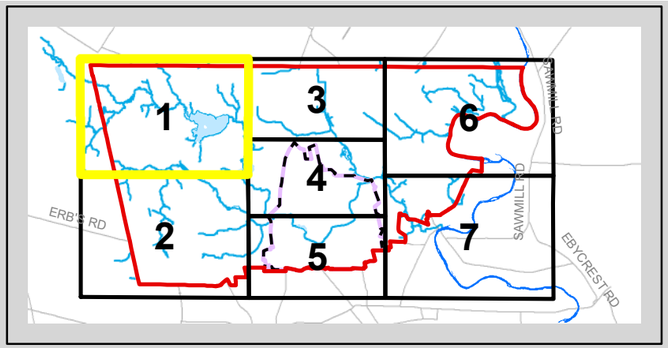

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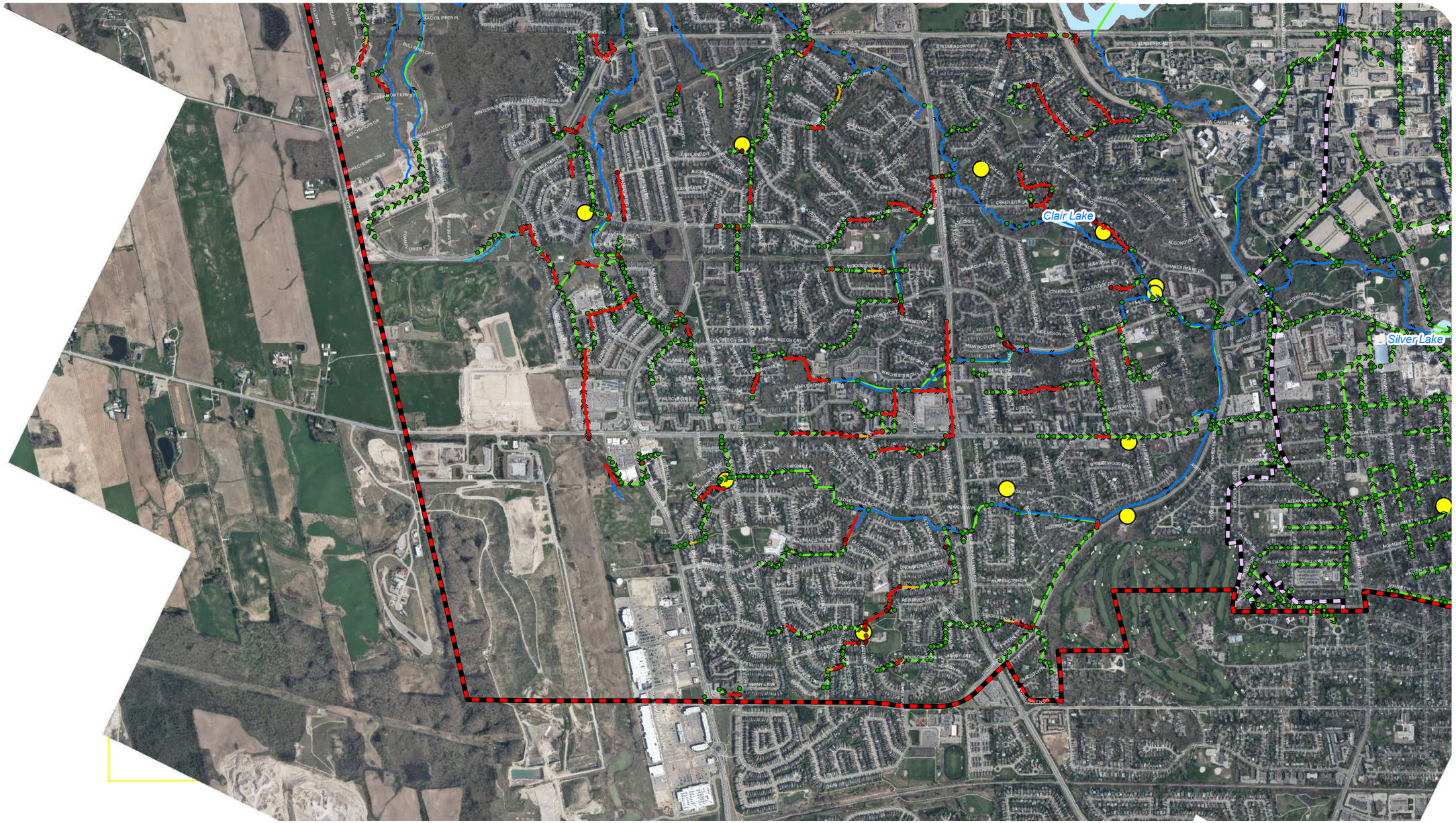

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FIGURE 3.5 - SCENARIO 4B: CLIMATE CHANGE WITH LID

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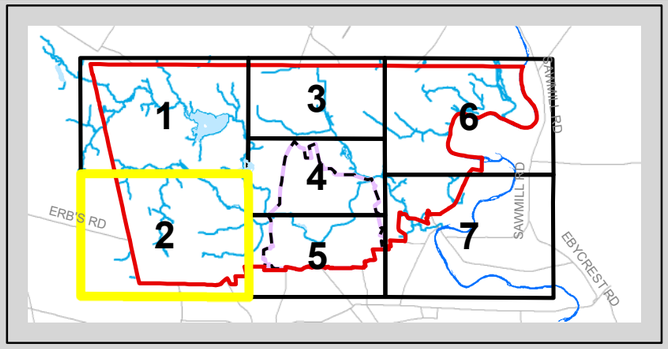

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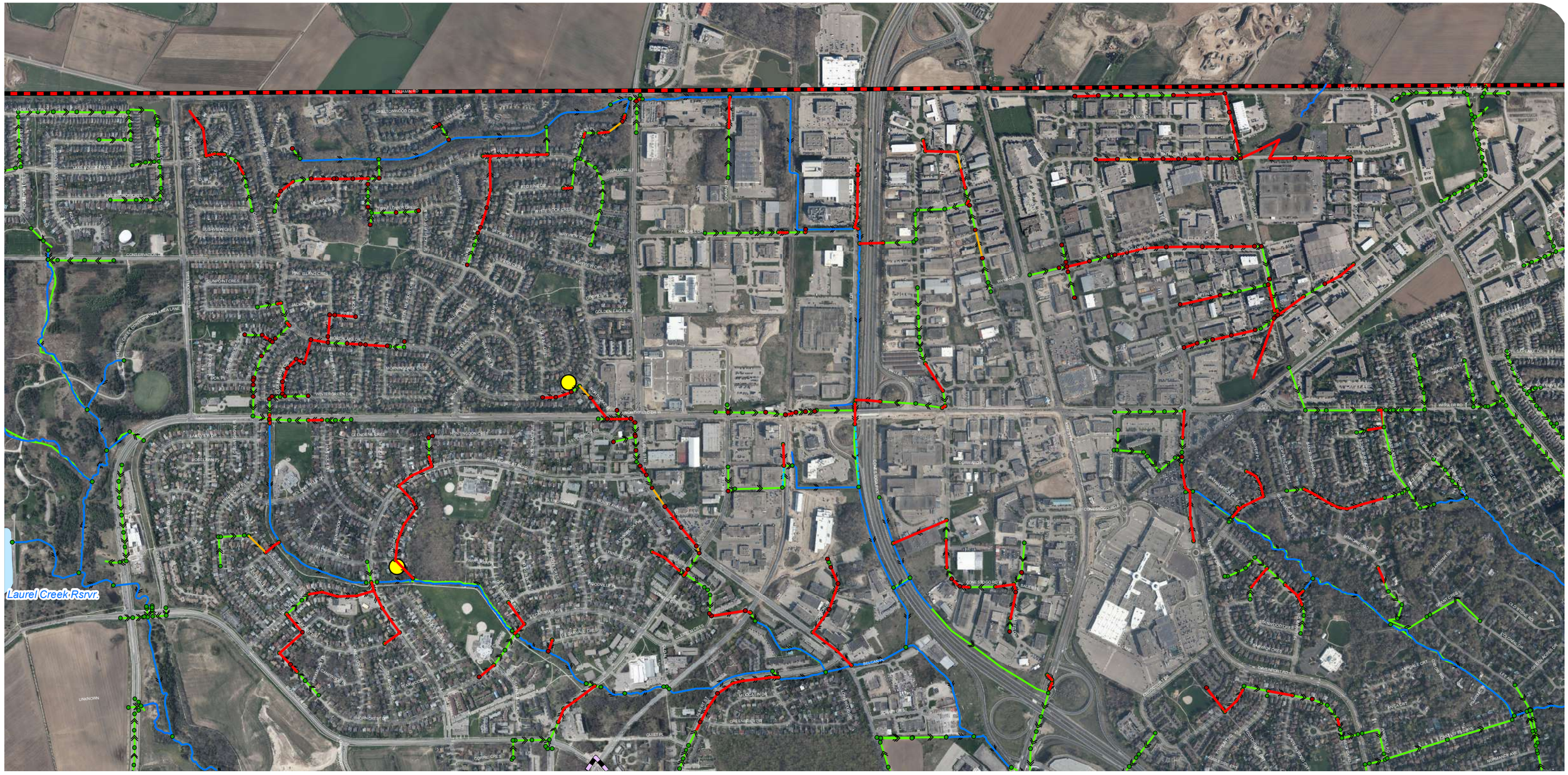

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FIGURE 3.5 - SCENARIO 4B: CLIMATE CHANGE WITH LID

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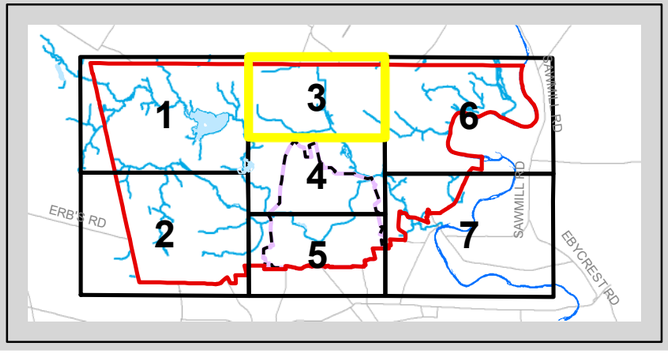

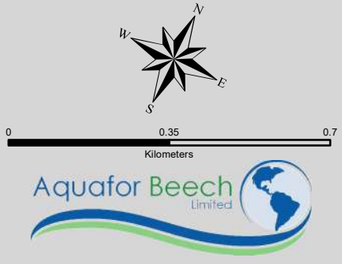

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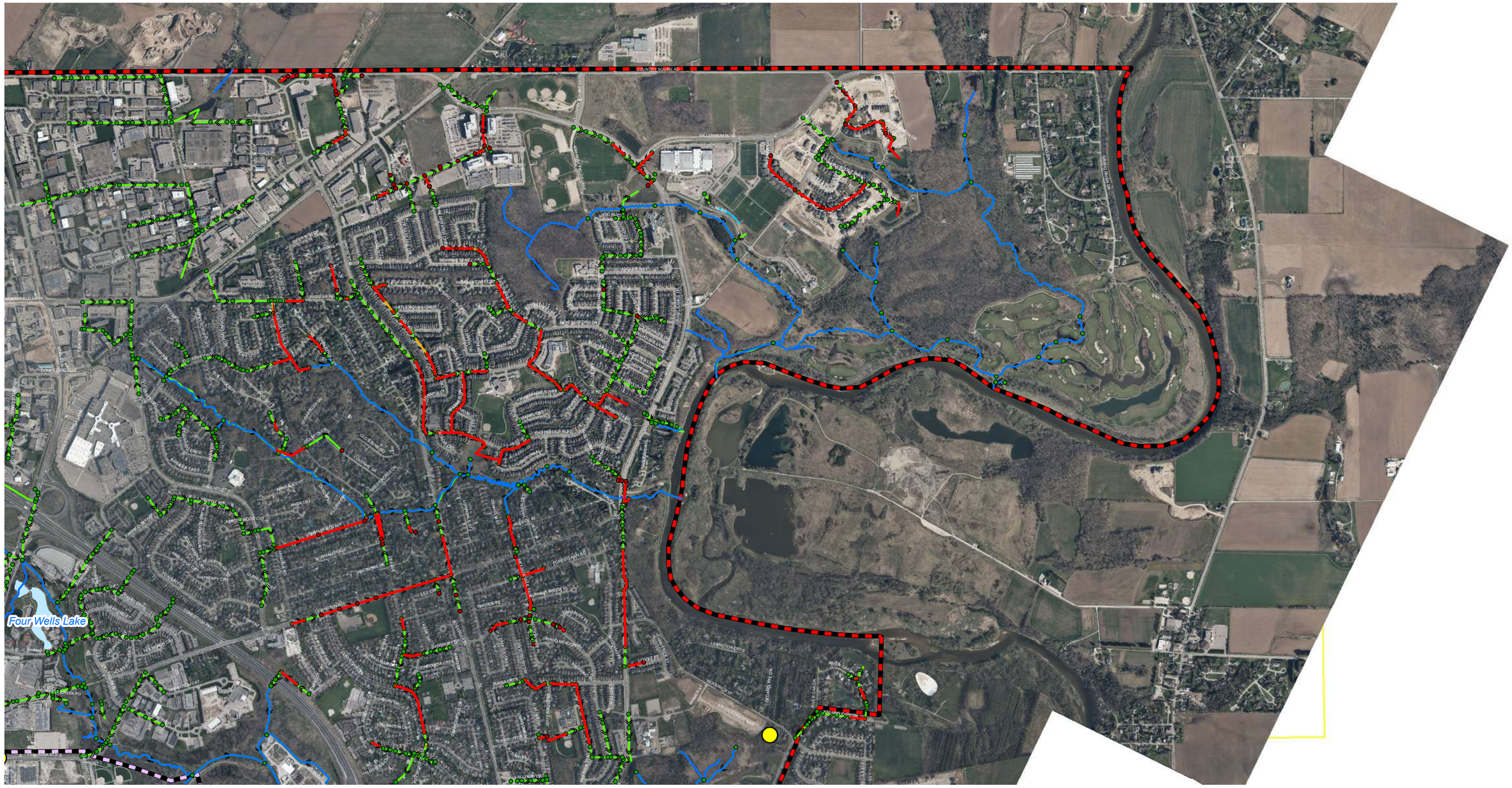

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MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.5 - SCENARIO 4B: CLIMATE CHANGE WITH LID

Legend

- Flooding Reports
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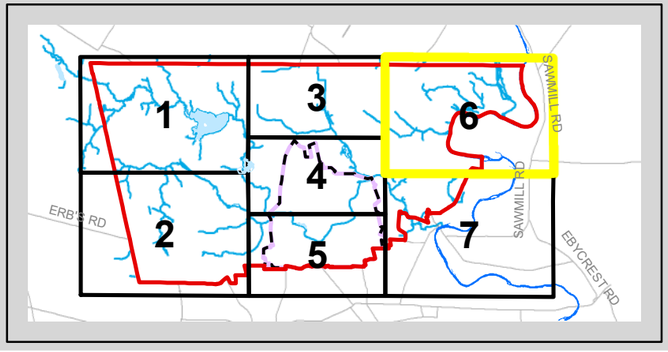

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MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.5 - SCENARIO 4B: CLIMATE CHANGE WITH LID

Legend

- Flooding Reports
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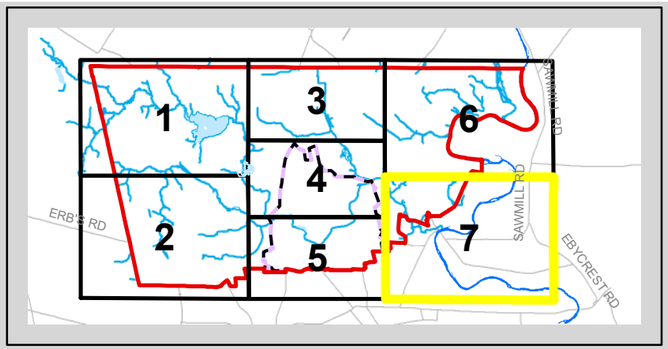
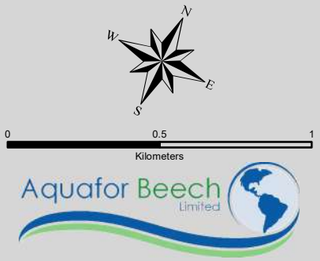
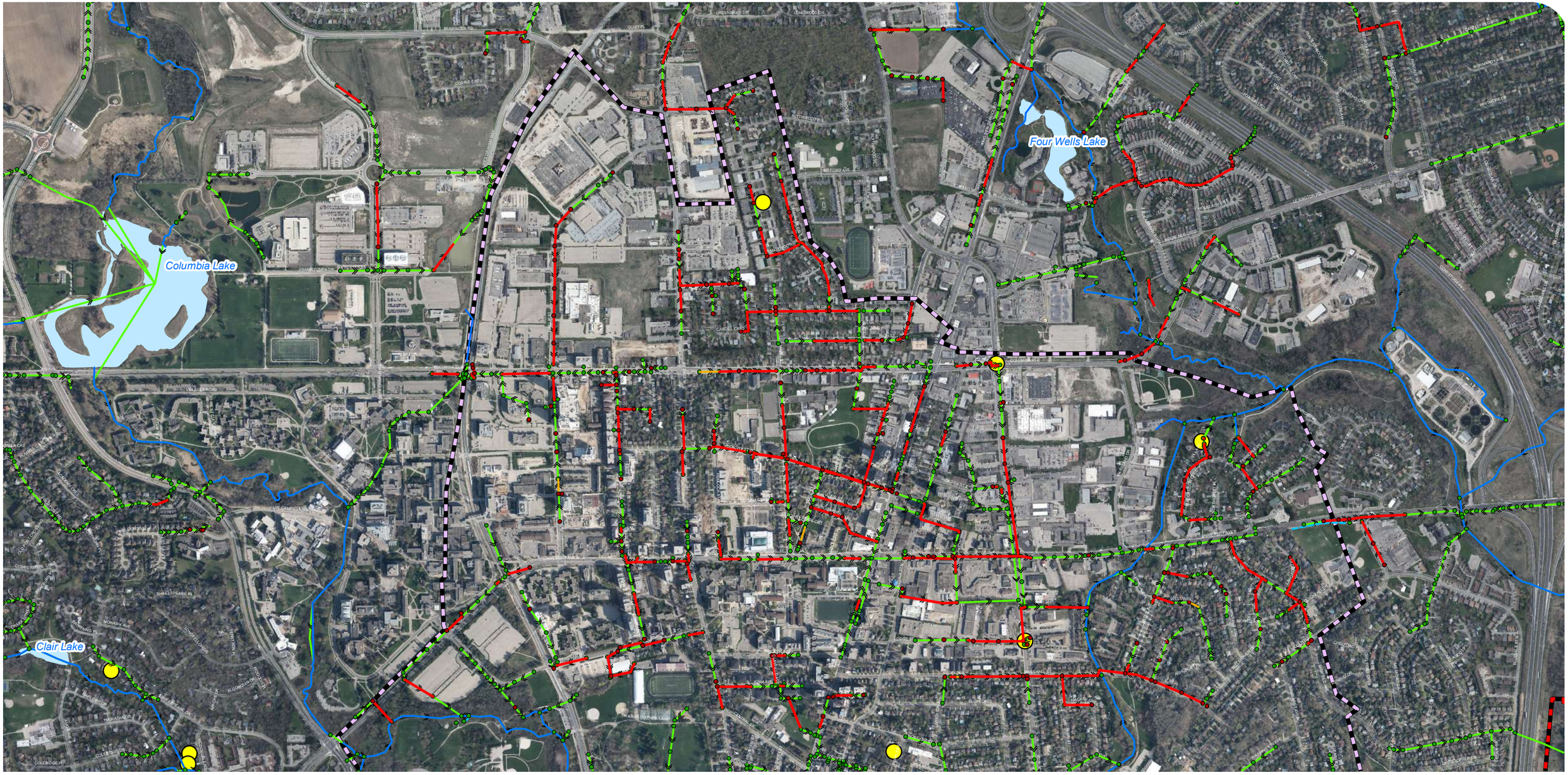




Base data provided by The City of Waterloo, 2017.
Date: December, 2019



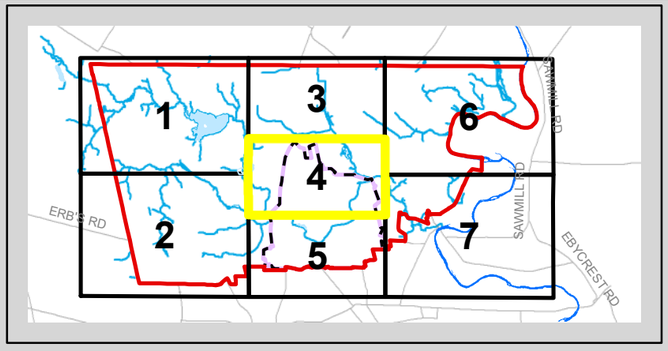
THE CITY OF Waterloo

MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.5 - SCENARIO 4B: CLIMATE CHANGE WITH LID

Legend

- Flooding Reports
- Junctions
- Junctions Surcharged
- Pipes At Capacity
- Pipes Surcharged
- Pipes
- Creek
- Ditch
- Waterbody
- Study Area
- Core Area
- Data Frame Extent
- Map Series Index

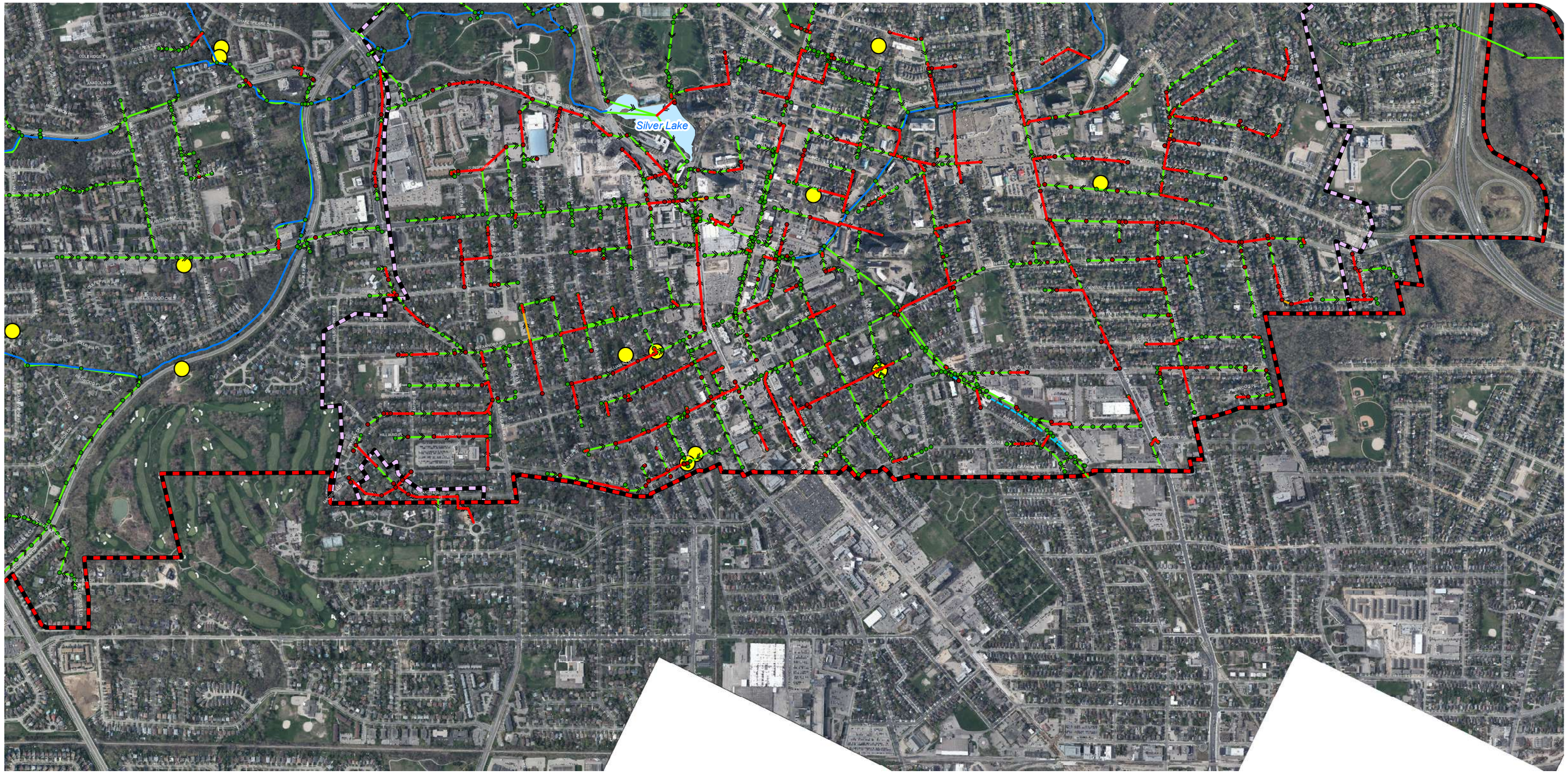


N W E S

0 0.325 0.65
Kilometers

Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.
Date: December, 2019



THE CITY OF Waterloo

MUNICIPAL CLASS EA STORMWATER MANAGMENT MASTER PLAN

FIGURE 3.5 - SCENARIO 4B: CLIMATE CHANGE WITH LID

Legend

- Flooding Reports
- Junctions
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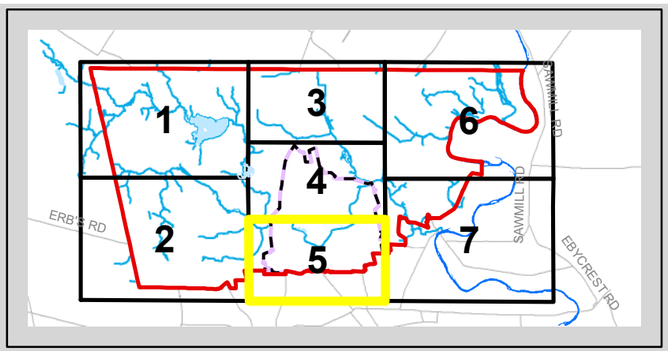

N
W
E
S

0 0.35 0.7
Kilometers

Aquafor Beech Limited

Base data provided by The City of Waterloo, 2017.
Date: December, 2019

3.6 Summary of Results

The results of the existing conditions model and the three scenarios were used to establish the preliminary cost implications of the overall SWM-MP strategy. **Table 3.10** represents the preliminary cost implications associated with each of the modelling scenarios, assuming a unit cost of $1,150 per linear metre of surcharged sewer.

It must be noted that the cost implications below are based on the uncalibrated model results and as such may not represent the actual cost implications. It is recommended that this preliminary assessment be refined as part of next steps. Furthermore, it is therefore most appropriate at this stage to examine the % of cost change from existing conditions as a means to compare the scenario results. In this manner Table 3.10 illustrates the effect of intensification (1.7% increase in cost) and climate change (15.2% increase in cost) on existing conditions, and most importantly demonstrates the effect of the application of LID via a 12.5mm volume retention target on improving the existing conditions (21.8% reduction in costs) and in mitigating the effects of climate change (1.1% increase in cost vs. 15.2% increase with no LID).

Table 3.10 - Summary of Model Results, Pipe Breakdown

Scenario #	Scenario Name	Total Length of Pipes at Capacity or Surcharged (m)	Total Volume (m^3)	Preliminary Cost Implications ($ millions)*	Preliminary Cost Implications (% Change from baseline*
Baseline	Existing Conditions	71,870	212,428	82.7	n/a
1	Development Intensification	73,158	238,103	84.1	1.7%
2	Climate Change	82,898	251,295	95.3	15.2%
4a	LID Volume Control (Existing Conditions)	56,303	155,661	64.7	-21.8%
4b	LID Volume Control (Climate Change)	72,664	187,093	83.6	1.1%

**Assumes a unit replacement cost of $1,150/linear metre*

The results of the water quality scenarios, Scenario 3, and Scenario 4c (With Volume Control) are displayed in **Table 3.11** across the subcatchments within the City of Waterloo limits; Grand River Central South, Laurel Creek, Martin Creek, and Schneider Creek. The water quality scenario with the use of LID volume controls highlights a projected decrease in total nitrate, phosphorus, and TSS contaminants.

Table 3.11 - Summary of Water Quality Scenarios

Subcatchments	Scenario 3 - Water Quality			Scenario 4c - Water Quality (Volume Control)		
	Total Nitrate (kg)	*Total Phosphorus (kg)*	*Total TSS (kg)*	*Total Nitrate (kg)*	*Total Phosphorus (kg)*	*Total TSS (kg)*
Grand River Central South	109.8	33.2	8011.8	75.0	22.2	5345.8
Laurel Creek	69.8	19.4	4669.9	41.2	11.9	3009.6
Martin Creek	18.5	4.3	687.9	14.3	3.2	493.0
Schneider Creek	4.2	1.1	222.3	2.4	0.6	138.6

3.7 Preferred Model Scenario

Intensification and climate change scenarios demonstrate an increased risk of sewers which are at full capacity or surcharged. It can be determined that the preferred modelling scenario recommended for adoption is Scenario 4b, LID Volume Control (Climate Change). Scenario 4b takes into account the predicted impacts of climate change as well as the application of a mitigation strategy through the use of a 12.5mm volume control. **Table 3.10** indicates that between the climate change scenario with and without volume controls, there is a potential cost savings of $11.8 million with the implementation of LIDs, as represented by the total length of surcharged sewers which would require replacement.

Based on the cost implications of storm sewer replacement associated with Scenario 1 through 4, it is evident that the implementation of City-wide volume targets is beneficial. The implementation of LIDs in the form of source and conveyance controls on a City-wide scale can mitigate the affects of climate change and intensification. Volume targets associated with LID practices will reduce the length of storm sewers which are at full capacity or surcharging during the 5-year storm event.

3.8 Financial Impacts

The anticipated cost to replace the total length of surcharged pipes under Scenario 4b is estimated to be $83.6 million based on a unit cost of $1,150 per linear metre. This represents the estimated capital cost to replace only the sewers which were assessed as part of the storm sewer trunk system network model (300mm and larger in the Core, 600mm and larger in the remaining City).

The trunk sewer system represents approximately 183 km (35%) of the total 524 km storm sewer network in the City of Waterloo. While the trunk sewer system is made of the largest diameter sewers and the sewers in the most urbanized area of the City, there remains to be approximately 341 km (65%) sewers which were not part of the project scope and were not modelled.

In the areas where trunk sewers are shown as surcharging, there is a high probability that additional surcharged sewers may be identified as the model network is expanded to sewers beyond the trunk sewer network.

As stated previously, it must be noted that the cost implications are based on the uncalibrated model results and as such may not represent the actual cost implications. It is recommended that this preliminary assessment be refined as part of next steps.

3.9 Recommendations and Next Steps

The following recommendations have been developed in support of next steps relating to the advancement of this model:

1. It is recommended that the City undertake monitoring of select stormsewer outfalls, both uncontrolled and SWM facility outlets where stage discharge relationships are not available, in order to calibrate the storm sewer model developed as part of this study. The development and implementation of a flow monitoring program is recommended to consisted of:
   a) Supply and installing flow monitors at a minimum of 12 locations within the storm system selected in consultation with the City for a period no less than 1-year. The selection of the monitoring locations within the storm sewer system should be based on the characteristics of the study drainage areas, the service area for the sewer systems and discussions with City staff. Selection of the sites are recommended to be based on the following:
      - Strategic locations within the study area where bottlenecks or flooding events have been previously identified;
      - Locations with satisfactory hydraulic sewer conditions in order to allow for the highest accuracy and reliability;
      - Strategic locations which are located in readily-accessible locations, preferably away from areas requiring high-traffic control or at locations of deep sewers;
      - At representative homogenous catchment areas, such that the hydrologic component of the hydraulic model can be calibrated.

   b) Completion of monthly field verification and calibration of flow monitors;
   c) Collection and storage of data in a digital based format; and
   d) Decommissioning of the flow monitoring equipment following the monitoring period.

2. It is recommended that the City calibrate the storm sewer model developed as part of this study. Calibration to 20% of peak flows and 20% of event volumes are recommended.
   a. The rainfall data selected to calibrate and validate the drainage sewer system model is recommended to include at least three (3) reasonably-sized recorded events.

b. The events are to be preferably greater than 10mm at a majority of the rain gauges.
c. The rain gauges shall have suitable coverage of the City, per the recommendations of Precipitation Gauge Memo Final Report January 2019)

3. It is recommended that the City continue to expand the storm sewer model to include all pipes within the City boundaries. The model expansion will permit the City to evaluate and select the preferred remedial approaches to improve the level of service.

4. Furthermore, it is recommended that the Implementation Plan detail all resource and staffing requirements.

4 References

ASCE, (1992). Design & Construction of Urban Stormwater Management Systems, New York, NY.

James, W., Rossman, L.E., Huber, W.C., Dickinson, R.E. and James, R.C. (2008) Water Systems Models: User's Guide to SWMM5. Computational Hydraulics International, Guelph, ON.

Urban Drainage and Flood Control District (UDFCD) (2001). Urban Storm Drainage Criteria Manual, 2007 revision. Denver, CO. (http://www.udfcd.org/downloads/down_critmanual.htm).

U.S. Environmental Protection Agency (1983). Results of the Nationwide Urban Runoff Program, Volume I Final Report. NTIS PB84-185552, U.S. Environmental Protection Agency, Washington, DC.

Appendix A – Modeling

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S6	0.1	250	4.8	62	72
S7	0.1	250	4.2	90	71
S8	0.9	250	35.7	66	70
S9	0.6	250	22.9	66	70
S10	0.1	250	2.7	74	73
S12	0.6	250	24.0	66	70
S13	0.8	250	30.5	69	71
S14	0.5	250	18.2	66	70
S15	0.3	250	13.8	68	71
S16	1.1	250	44.6	69	71
S17	0.1	250	3.2	71	72
S18	0.5	250	21.5	67	71
S21	0.4	250	17.5	66	70
S22	0.3	250	12.7	80	75
S24	0.9	250	36.4	69	71
S23	0.4	250	16.9	70	71
S25	0.0	250	1.0	89	78
S26	0.5	250	19.3	66	70
S27	0.4	250	15.0	66	70
S28	0.5	250	19.0	66	70
S29	0.8	250	32.2	69	71
S30	0.4	250	16.0	70	72
S31	0.5	250	20.3	70	71
S32	0.3	250	12.5	66	70
S33	0.5	250	20.5	72	72
S34	0.1	250	2.2	69	71
S35	0.0	250	0.7	90	78
S36	0.5	250	20.7	68	71
S38	0.1	250	5.7	65	70
S39	0.0	250	0.2	90	78
S40	0.0	250	0.2	90	78
S41	0.2	250	7.0	62	69
S42	0.5	250	18.1	68	71
S43	0.0	250	0.1	90	78
S44	0.0	250	1.0	89	78
S45	0.0	250	0.2	90	78
S46	0.1	250	3.6	69	71
S47	0.1	250	4.0	67	71
S48	0.3	250	10.9	88	70
S49	0.3	250	10.5	79	71
S50	0.3	250	11.2	77	71
S51	0.1	250	2.6	65	70
S52	0.3	250	10.6	65	72
S53	0.4	276	12.8	69	72
S55	0.0	250	0.1	70	78
S56	0.4	250	17.3	65	71
S57	0.0	250	1.0	66	78
S58	1.8	250	72.4	65	71
S59	1.3	250	51.6	66	71
S60	0.4	250	16.1	72	71
S61	0.5	250	19.7	63	74
S63	0.0	250	0.8	72	78
S65	0.4	250	16.9	65	70
S66	0.1	250	4.0	69	71
S67	0.7	250	26.2	67	70
S68	0.5	250	20.1	67	70
S69	0.1	250	4.6	68	72
S70	0.2	250	8.8	69	76
S71	0.0	250	0.2	66	78
S72	0.3	250	11.6	70	73
S73	0.5	383	12.7	80	74
S74	0.1	250	4.2	4	56
S75	0.0	250	0.3	90	78
S76	0.3	252	11.6	66	70
S77	0.3	250	10.4	63	70

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2962	0.5	250	21.0	63	70
S2963	0.4	250	16.5	65	70
S2964	0.4	250	16.8	66	70
S2965	0.6	250	22.6	63	72
S2966	0.1	250	2.7	69	71
S2967	0.1	250	5.2	64	73
S2968	0.3	250	10.1	66	70
S2969	0.2	250	9.0	63	73
S2970	0.2	250	8.9	65	70
S2971	0.2	250	9.0	63	73
S2972	0.3	250	11.8	66	71
S2973	0.3	250	10.5	64	73
S2974	2.8	250	111.9	60	75
S2984	0.6	250	22.7	70	71
S2985	1.6	250	64.9	68	70
S2986	1.2	250	46.5	68	66
S2987	0.3	250	10.2	66	65
S2988	0.3	250	13.8	68	66
S2989	0.3	250	13.0	66	65
S2990	0.1	250	3.2	66	65
S2991	0.1	250	2.9	66	65
S2992	0.3	250	12.5	68	66
S2993	1.5	250	60.8	68	70
S2994	1.7	250	66.3	68	74
S2995	0.1	250	2.9	90	78
S2996	0.1	250	3.6	89	78
S2997	3.3	250	131.3	68	71
S2998	0.3	250	10.9	68	71
S2999	2.1	250	83.9	68	72
S3000	0.3	250	11.4	65	70
S3001	0.0	250	1.7	62	69
S3002	0.0	250	0.2	90	78
S3003	0.3	250	13.5	65	70
S3004	0.1	250	3.3	89	78
S3005	1.8	250	71.6	72	73
S3006	0.2	250	7.6	68	74
S3007	0.1	250	5.2	89	78
S3008	0.2	250	9.1	89	78
S3010	0.7	250	27.5	56	72
S3011	0.2	250	8.2	69	74
S3012	0.4	250	17.9	62	72
S3013	0.7	250	28.0	62	72
S3014	0.7	250	26.6	62	71
S3015	0.3	250	12.9	64	70
S3016	0.3	250	12.9	64	69
S3017	0.2	250	9.1	64	70
S3018	1.8	250	73.9	64	73
S3019	2.6	250	102.5	67	66
S3020	0.0	250	1.7	89	78
S3021	0.9	250	34.9	69	66
S3022	0.2	250	6.8	64	64
S3023	0.2	250	7.3	69	67
S3024	0.2	250	6.9	64	64
S3025	0.1	250	6.0	65	65
S3026	0.8	250	30.8	67	65
S3027	0.4	250	16.1	89	78
S3028	4.4	250	174.3	53	74
S3029	0.1	250	5.1	90	78
S3030	0.3	250	10.4	63	69
S3031	0.9	420	20.3	75	73
S3032	0.3	250	13.6	62	69
S3033	0.3	250	12.5	67	71
S3034	0.2	250	8.2	64	69
S3035	0.1	250	2.6	90	78
S3036	0.2	250	8.1	62	69

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S78	0.2	253	7.4	64	70
S79	0.1	250	2.7	64	69
S80	0.5	250	18.4	63	69
S81	0.5	250	20.2	60	68
S84	1.5	250	60.1	64	69
S85	0.6	250	25.8	65	70
S86	0.3	250	12.9	70	72
S87	0.4	250	14.4	70	72
S88	0.0	250	0.6	90	78
S89	0.1	250	2.3	66	70
S90	0.9	250	35.3	66	70
S91	0.1	250	2.8	80	75
S92	0.3	250	11.3	71	72
S93	0.0	250	1.1	90	78
S95	0.2	250	7.3	66	70
S96	0.3	250	13.7	74	72
S97	0.6	250	24.0	69	71
S98	0.4	250	15.6	71	72
S99	0.0	250	1.0	90	78
S100	0.5	250	21.9	69	71
S103	0.6	250	23.9	63	69
S104	0.9	250	35.5	66	70
S105	0.6	250	23.1	66	70
S106	0.2	250	9.4	66	70
S107	0.0	250	1.6	90	78
S108	0.0	409	0.3	90	78
S113	0.9	250	37.5	66	70
S114	0.0	250	0.4	90	78
S115	0.5	250	21.6	67	70
S116	1.0	250	41.3	66	70
S117	0.8	250	31.6	68	71
S118	0.4	250	15.0	63	69
S119	0.3	250	12.6	69	71
S122	0.2	250	8.4	75	73
S123	0.6	250	23.3	66	70
S124	0.3	250	11.6	72	72
S125	0.0	380	0.2	90	78
S126	0.6	250	22.0	68	71
S127	0.4	250	16.3	75	73
S128	0.3	250	10.6	82	75
S129	0.5	250	20.5	80	74
S130	0.0	250	0.3	90	78
S131	0.4	250	16.0	68	71
S133	0.0	250	0.5	90	78
S134	0.7	250	29.4	75	73
S136	0.0	250	0.4	90	78
S137	1.0	250	39.3	66	70
S138	2.0	250	81.7	69	71
S139	0.3	250	11.9	65	70
S141	0.6	250	25.2	69	71
S143	0.0	250	1.7	89	78
S145	0.3	250	12.2	83	75
S146	0.1	250	4.7	84	75
S147	0.1	250	6.0	84	75
S149	0.3	250	10.7	70	71
S150	0.4	250	15.3	70	71
S152	0.0	250	0.0	90	78
S153	0.2	250	9.4	67	70
S154	0.1	262	4.8	80	74
S155	0.2	333	5.3	83	75
S157	0.6	136	42.8	67	71
S158	0.2	250	6.9	73	73
S159	0.0	250	0.8	88	78
S161	0.4	250	16.7	65	70
S162_1	0.5	250	20.2	65	70

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3037	3.7	250	148.3	66	73
S3038	0.4	250	14.8	63	69
S3039	0.5	250	20.9	67	70
S3040	0.5	250	20.4	63	69
S3041	0.2	250	7.9	65	70
S3042	0.2	250	6.8	69	71
S3043	0.0	250	0.6	90	78
S3044	0.7	250	27.7	69	71
S3045	0.2	250	6.2	70	71
S3046	1.9	250	77.6	64	66
S3047	0.0	250	0.7	88	78
S3048	4.3	250	171.3	59	68
S3049	0.1	250	5.5	64	69
S3050	0.1	250	5.6	64	69
S3051	0.1	250	5.4	59	68
S3052	0.2	250	6.4	68	71
S3053	0.9	250	34.9	61	68
S3054	0.9	250	36.6	61	69
S3055	1.6	250	65.3	72	74
S3057	5.2	250	206.5	72	70
S3058	0.1	250	5.3	90	78
S3059	0.2	250	7.6	90	78
S3060	2.6	252	102.9	67	73
S3061	1.7	250	66.1	19	47
S3062	0.8	250	30.3	64	67
S3063	0.3	250	12.6	64	68
S3064	0.3	250	11.9	67	73
S3065	0.2	250	7.8	63	73
S3066	0.7	250	27.8	68	74
S3067	0.1	250	5.8	72	75
S3068	0.1	250	4.2	63	73
S3069	0.5	250	19.8	52	71
S3070	0.2	250	7.2	65	73
S3071	0.3	250	11.4	52	71
S3072	0.1	250	4.5	64	73
S3074	0.0	250	0.2	90	78
S3075	0.0	250	0.1	90	78
S3076	0.0	250	0.7	85	77
S3077	0.1	250	3.7	63	73
S3078	0.0	250	0.1	90	78
S3079	0.5	250	18.7	65	66
S3080	0.2	250	8.2	64	69
S3081	0.1	250	5.3	65	64
S3082	0.5	250	19.0	68	72
S3083	0.4	250	15.2	64	64
S3084	0.1	250	4.7	68	70
S3085	0.8	250	32.6	22	49
S3086	0.3	250	12.3	42	55
S3087	0.2	250	9.8	67	69
S3088	0.3	250	11.9	35	53
S3089	0.3	250	12.8	29	51
S3090	0.1	250	5.5	69	70
S3091	0.0	250	1.2	89	78
S3092	0.0	250	0.4	90	78
S868	1.1	250	43.4	66	70
S3093	0.3	250	13.4	64	69
S3095	0.1	1251	0.8	90	78
S3097	0.1	250	3.7	68	74
S3098	2.4	939	25.9	66	71
S3100	0.3	250	12.8	63	69
S3101	0.3	250	13.0	68	71
S3102	0.3	250	10.3	63	69
S3103	0.3	250	13.1	68	71
S3104	0.1	250	3.3	63	69
S3105	0.0	250	0.5	90	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S162_2	0.5	250	18.4	65	70
S163	0.2	250	6.5	76	74
S164	0.3	250	11.9	70	72
S165	0.2	250	8.3	67	70
S167	0.5	250	18.0	68	71
S168	0.5	250	18.4	70	72
S169	0.4	250	16.7	69	71
S170	0.0	250	1.4	90	78
S172	0.5	250	19.1	66	70
S173	0.1	250	4.4	75	73
S174	0.0	250	0.4	90	78
S175	0.7	250	27.1	68	71
S176	0.0	250	1.2	90	78
S177	0.1	250	2.8	72	72
S178	0.1	250	4.4	66	70
S179	0.6	250	24.8	68	71
S180_1	0.7	250	27.0	67	70
S180_2	0.1	250	3.6	71	72
S180	0.4	250	15.9	67	70
S181	0.6	250	22.7	71	72
S182	1.3	250	51.7	75	72
S183	1.3	237	55.6	63	69
S184	1.0	250	40.6	68	71
S185	0.2	250	7.8	64	69
S186	0.2	250	6.3	65	70
S188	0.3	250	13.4	70	71
S189	0.0	250	0.1	90	78
S190	0.0	250	0.1	90	78
S191	0.3	250	10.4	66	70
S192	0.4	250	15.7	64	69
S193	0.3	250	13.8	71	72
S194	0.3	250	11.5	64	70
S195	0.2	250	7.6	90	78
S196	0.3	250	13.0	68	71
S197	0.9	250	34.8	66	70
S198	0.3	250	11.6	66	70
S199	0.4	250	14.7	71	72
S200	0.2	250	7.5	70	71
S201	0.0	250	1.4	84	76
S202	0.1	250	3.5	83	76
S203	0.0	250	1.7	90	78
S204	0.2	250	9.2	72	72
S205	0.0	250	0.1	90	78
S206	0.0	250	0.4	90	78
S207	0.0	250	0.2	90	78
S208	0.3	250	12.7	68	71
S209	0.0	250	0.4	90	78
S210	0.3	250	11.1	64	69
S211	0.3	250	11.4	74	73
S212	0.3	250	10.3	65	70
S213	0.9	250	35.4	66	70
S214	0.4	250	16.6	70	71
S218	0.6	250	23.4	66	70
S219	1.0	250	40.5	66	70
S220	0.4	250	14.3	65	70
S221	1.5	250	60.8	67	70
S222	0.5	250	19.0	71	72
S223	0.0	250	0.7	90	78
S224	0.1	250	2.3	80	75
S225	0.3	250	11.8	68	71
S226	0.2	250	8.2	75	73
S11	0.2	250	6.1	74	73
S227	0.1	250	2.0	90	78
S228	0.3	250	13.9	72	72
S229	0.4	250	17.8	74	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3106	0.0	250	0.1	90	78
S3107	0.2	250	9.7	71	72
S3108	0.1	250	5.6	60	68
S3109	0.1	250	3.3	68	71
S3110	0.3	250	13.1	69	72
S3111	0.3	250	10.5	64	73
S3112	0.7	250	29.4	68	72
S3113	0.2	250	7.3	65	70
S3114	1.3	250	51.8	61	68
S3115	0.2	250	6.4	73	72
S3116	0.2	250	9.1	73	72
S3123	0.4	305	13.3	69	71
S3124	1.0	250	41.0	61	68
S3125	0.7	250	29.6	63	69
S3126	0.7	250	28.3	60	68
S3127	0.6	250	25.7	61	69
S3128	0.2	250	9.6	63	69
S3129	0.9	250	36.0	64	70
S3130	0.3	250	10.2	80	75
S3131	0.2	250	7.4	60	68
S3132	0.3	274	9.2	85	76
S3133	0.4	320	13.3	82	76
S3134	0.2	554	3.2	76	77
S3135	0.8	1467	5.3	56	75
S3136	1.6	3222	5.0	50	74
S3137	0.1	250	4.8	87	77
S3138	0.7	250	26.7	47	74
S3139	0.2	250	8.0	76	76
S3142	0.1	250	4.7	90	78
S3143	3.0	250	119.6	62	72
S785	0.0	250	0.9	90	78
S3144	0.0	250	0.5	90	78
S3145	0.0	250	0.6	87	77
S3146	0.0	250	1.1	89	78
S3147	0.7	250	28.6	69	71
S3148	0.0	250	0.2	90	78
S3149	0.0	250	0.4	90	78
S3150	0.0	250	0.8	89	78
S3151	1.3	250	50.7	71	72
S3154	0.1	250	2.6	67	70
S3155	0.1	250	3.5	69	71
S3158	0.2	250	7.8	64	69
S3159	1.0	250	39.7	70	72
S885	1.5	250	59.6	63	69
S888	0.8	250	30.1	67	70
S3160	0.1	250	2.2	90	78
S865	0.3	250	13.5	67	70
S3161	1.2	250	48.6	49	73
S3162	0.0	250	0.3	88	78
S3163	0.1	250	5.2	48	74
S3164	0.2	250	8.5	47	74
S3165	0.7	250	26.4	46	74
S3166	0.1	250	5.7	90	78
S3167	0.0	250	2.0	90	78
S3168	0.0	250	1.7	89	78
S3169	0.0	250	1.5	86	77
S3170	0.1	250	3.4	82	76
S3171	0.0	250	0.6	90	78
S746	1.4	250	56.8	61	68
S3172	8.7	250	348.2	75	73
S3173	0.3	250	10.3	86	77
S3174	4.9	250	195.4	80	75
S3175	1.0	250	38.2	82	74
S3176	1.5	250	58.9	81	75
S3177	0.7	250	29.5	81	75

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S230	0.2	250	9.8	67	70
S231	2.3	250	93.7	68	71
S232	0.4	250	17.2	69	71
S233	0.5	250	19.5	69	71
S234	0.0	250	0.4	90	78
S236	0.0	250	1.4	90	78
S237	0.1	250	3.1	90	78
S238	0.1	250	2.7	90	78
S239	0.9	250	34.2	66	70
S241	0.2	250	8.6	82	76
S242	0.0	250	0.5	90	78
S243	0.0	391	0.2	90	78
S246	0.5	250	21.9	67	70
S247	1.0	250	40.1	66	70
S248	0.4	250	15.9	63	69
S249	0.0	250	1.4	90	78
S250	0.2	250	6.1	67	71
S251	0.0	250	1.8	90	78
S252	1.4	250	55.6	66	70
S253	0.4	250	18.0	67	70
S254	0.3	250	11.4	65	70
S256	0.2	250	6.5	66	70
S257	0.4	250	14.9	73	72
S258	1.0	250	41.5	64	69
S259	0.0	250	0.6	90	78
S260	0.2	250	6.5	79	74
S261	0.3	250	12.4	70	71
S262	0.0	250	0.6	90	78
S263	0.4	250	14.9	66	70
S264	0.1	250	2.8	78	74
S265	0.1	250	2.2	75	73
S266	0.1	250	4.7	68	71
S267	0.3	250	12.9	68	71
S268	0.2	250	7.7	71	72
S269	0.0	250	0.0	90	78
S270	0.4	250	15.9	67	70
S271	0.2	250	6.4	67	70
S272	0.2	250	8.4	66	70
S275	0.3	250	10.1	63	69
S276	0.7	250	29.7	65	70
S278	0.5	250	20.6	68	71
S279	0.9	250	37.7	65	70
S280	0.7	250	29.8	65	70
S281	0.1	250	2.2	64	69
S283	0.4	250	14.1	70	71
S284	0.3	250	13.4	68	71
S285	0.3	250	10.8	68	71
S286	0.4	250	17.4	66	70
S287	0.3	250	11.6	70	71
S288	0.4	250	17.2	69	71
S289	0.4	250	15.4	73	72
S290	1.8	250	73.0	68	71
S291	1.2	250	48.6	68	71
S292	0.5	250	20.9	70	71
S294	0.4	250	14.8	72	72
S295	0.5	250	18.1	69	71
S296	0.5	250	18.1	69	71
S299	3.9	250	156.1	72	72
S300	0.4	250	14.4	69	71
S301	0.4	250	16.4	71	72
S304	1.1	250	44.1	66	70
S305	0.5	250	19.4	70	72
S306	0.1	250	3.0	65	70
S307	0.6	250	25.4	68	71
S308	0.8	250	32.4	67	71

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3178	1.4	250	57.5	80	72
S3179	1.3	250	53.9	81	75
S3180	1.5	250	61.8	60	68
S3181	1.6	250	65.3	60	68
S3184	0.5	250	21.0	68	74
S3185	0.3	250	11.2	65	72
S3186	0.6	250	25.7	73	73
S3187	0.7	250	28.6	82	75
S3189	0.0	250	1.9	80	74
S3191	0.1	250	2.3	79	73
S3192	0.1	250	4.4	80	74
S3193	0.2	250	9.0	78	73
S3194	0.1	250	2.3	79	73
S3195	0.3	250	13.9	60	68
S3197	0.1	371	3.1	80	75
S3198	0.0	250	1.2	90	78
S3199	0.0	250	1.8	90	78
S3201	0.2	250	7.8	81	74
S3202	0.5	250	18.3	71	72
S3203	0.5	250	18.9	62	69
S3204	0.3	250	11.3	61	68
S3205	0.0	250	1.4	89	78
S3206	0.4	250	14.3	78	73
S3207	0.3	250	11.1	73	72
S3208	0.3	250	12.8	81	74
S3209	0.3	250	13.2	69	72
S3210	0.6	250	23.6	55	75
S3211	0.6	250	25.6	66	70
S3212	0.2	286	6.4	66	71
S3214	0.8	250	32.5	66	72
S3215	0.1	250	3.9	88	78
S3216	0.1	250	2.3	89	78
S3218	0.1	250	2.0	84	76
S3217	0.3	250	10.6	88	77
S3219	0.1	318	4.4	87	77
S3220	0.3	250	13.4	82	75
S3221	0.3	305	9.3	81	74
S3222	0.2	250	7.0	74	73
S3223	0.3	250	12.0	81	74
S3224	0.6	250	24.3	82	74
S3225	0.4	250	16.5	79	74
S3228	0.2	265	8.8	85	76
S3229	0.0	250	0.2	90	78
S3230	0.2	250	8.0	86	76
S3231	0.0	250	1.4	89	78
S3232	0.7	307	22.1	57	75
S3233	0.6	285	19.5	76	75
S3235	0.5	250	19.8	72	73
S3236	0.4	454	9.1	72	76
S3237	1.0	250	40.1	48	74
S889	0.9	250	35.9	67	72
S893	0.5	250	20.6	68	73
S3238	0.5	250	19.3	66	72
S3239	0.5	250	19.9	64	73
S3240	0.0	250	0.3	90	78
S3241	0.6	250	22.4	73	72
S3242	0.1	250	3.7	72	71
S3243	0.5	250	18.4	81	74
S3244	0.5	250	20.1	73	72
S3245	1.1	251	43.5	74	71
S3246	0.9	250	34.4	80	74
S3247	0.2	250	9.0	77	73
S3248	0.5	254	20.1	80	74
S3249	0.6	256	23.6	80	74
S3250	1.1	250	43.0	71	71

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S309	0.8	250	32.9	68	71
S310	1.0	250	41.9	67	71
S311	0.0	250	1.1	90	78
S312	0.6	250	24.5	69	71
S315	0.8	250	30.1	66	70
S316	0.7	250	27.2	66	70
S317	0.9	250	34.8	65	70
S318	0.9	250	34.7	67	70
S319	0.6	250	24.1	73	72
S320	0.2	250	7.5	64	69
S321	1.4	250	55.8	66	70
S322	1.1	250	43.4	68	71
S323	0.1	250	4.6	73	73
S324	0.8	250	30.1	67	70
S325	0.4	250	14.7	71	72
S326	0.0	250	1.6	90	78
S327	0.0	250	1.4	90	78
S328	0.1	250	4.6	67	70
S329	2.0	250	78.1	68	71
S330	1.2	250	49.5	67	70
S331	0.6	250	23.3	69	71
S332	1.9	250	76.4	68	71
S333	0.0	250	1.0	90	78
S335	0.1	250	3.4	80	73
S336	0.1	250	3.5	80	74
S337	0.6	250	24.0	82	75
S338	0.3	613	4.2	83	75
S342	0.6	250	23.8	79	74
S343	0.1	250	2.6	78	74
S344	0.9	250	35.2	69	71
S345	0.9	250	35.3	83	75
S346	0.5	250	21.5	76	73
S347	0.4	250	14.9	66	70
S349	0.2	250	6.7	76	73
S350	0.1	250	5.8	74	72
S352	0.2	250	7.7	77	73
S353	0.7	250	28.3	74	72
S354	0.5	250	20.3	68	71
S355	0.2	250	9.2	67	70
S356	0.0	250	1.3	90	78
S357	1.0	250	39.7	68	71
S358	0.1	263	4.0	71	73
S359	0.1	250	6.0	68	73
S360	0.4	250	14.2	67	72
S361	0.1	250	5.9	60	68
S362	0.2	250	6.1	67	70
S363	0.7	250	27.4	66	70
S364	0.2	250	7.4	65	70
S365	0.4	250	16.9	66	70
S366	0.4	250	15.9	67	71
S367	0.1	250	4.8	67	71
S368	0.2	250	7.4	77	74
S370	0.0	250	1.1	90	78
S371	1.5	250	60.3	66	70
S372	1.1	250	43.8	74	73
S373	0.3	250	11.9	68	71
S374	0.3	250	13.3	81	74
S375	0.1	250	2.6	81	74
S377	0.2	250	8.3	66	70
S378	0.3	250	10.9	66	70
S379	0.1	250	5.1	69	71
S382	1.6	250	65.8	70	72
S383	0.2	250	7.8	71	72
S384	0.3	250	10.9	76	73
S385	0.3	250	13.6	66	70

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3251	0.5	250	19.3	73	71
S3252	0.6	250	22.0	81	74
S3253	0.0	250	0.6	89	78
S3254	0.0	250	0.1	90	78
S3255	0.7	250	29.4	63	69
S3256	0.3	250	13.4	62	69
S3257	0.4	250	15.9	65	69
S3258	0.4	250	17.0	71	71
S3259	0.0	250	0.2	88	78
S3270	0.3	250	11.7	80	74
S3273	0.1	250	3.2	89	78
S3274	0.0	250	0.2	90	78
S3275	0.0	250	0.1	90	78
S3276	0.0	250	0.1	90	78
S3277	0.5	250	22.0	72	71
S3324	0.3	250	10.9	87	78
S3325	0.1	250	5.2	88	78
S3326	0.2	250	7.9	80	77
S3327	0.4	266	15.2	60	73
S3329	0.4	267	14.2	60	73
S3331	0.0	250	1.9	87	78
S3332	0.0	250	0.3	90	78
S3333	2.4	250	95.0	66	73
S3334	2.5	250	98.2	66	72
S3344	0.2	250	8.2	80	74
S3345	0.1	250	3.5	85	76
S3347	0.9	250	34.7	61	71
S3349	0.1	250	2.5	90	78
S3350	0.1	250	5.3	90	78
S3351	0.0	250	1.1	90	78
S3352	0.2	250	6.6	89	78
S3353	0.4	250	15.6	81	74
S3354	1.0	250	39.2	79	73
S3355	0.1	250	4.7	85	76
S3356	0.8	250	30.5	79	74
S3358	0.9	250	35.0	64	71
S3357	0.7	250	28.0	70	70
S3359	0.2	261	9.4	75	72
S3360	0.1	250	3.4	82	74
S3361	0.2	250	9.2	82	75
S3362	0.4	250	14.5	76	74
S3363	0.2	250	7.9	73	73
S3364	0.0	250	1.0	90	78
S3365	0.9	250	35.1	64	70
S3366	0.4	250	15.2	70	70
S3367	1.1	250	44.1	70	70
S3368	0.1	250	4.8	90	78
S3369	0.0	250	1.2	90	78
S3370	0.0	250	0.2	90	78
S3371	0.0	250	1.5	89	78
S3372	0.2	250	7.6	90	78
S772	2.7	250	107.8	62	69
S773	0.3	250	10.6	60	68
S3375	0.1	250	3.5	60	68
S3376	0.1	250	3.8	60	68
S3377	0.1	250	3.1	60	68
S3378	0.1	250	4.0	71	72
S3379	0.3	250	13.9	62	69
S3380	0.0	250	0.2	90	78
S3381	0.0	250	1.6	89	78
S3382	0.1	250	2.1	60	68
S3383	0.3	250	12.4	76	74
S3384	0.2	250	9.6	69	71
S3385	0.1	250	2.1	89	78
S3386	0.3	250	12.3	68	71

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S386	0.3	250	12.8	73	72
S387	0.7	250	26.1	68	71
S388	0.6	250	24.9	69	71
S389	0.9	250	34.1	67	70
S390	0.5	250	21.6	67	70
S391	0.6	250	24.6	67	70
S392	1.0	250	38.8	66	70
S394	0.5	250	18.3	70	71
S393	0.1	250	4.2	68	71
S395	0.8	250	31.0	68	71
S397	0.0	250	0.9	90	78
S398	0.1	250	4.3	70	71
S399	0.7	250	27.1	67	70
S400	0.2	250	7.0	67	71
S401	0.5	250	19.9	68	71
S402	0.0	250	1.1	90	78
S403	0.0	250	0.4	90	78
S405	0.4	250	14.4	70	72
S406	0.4	250	14.3	71	73
S407	0.3	250	13.3	74	73
S408	0.1	250	5.3	73	73
S409	0.4	250	14.5	79	74
S410	0.3	250	13.6	73	73
S411	0.4	250	15.3	74	73
S412	3.6	250	145.1	63	69
S413	0.7	250	29.1	65	70
S414	0.8	250	32.0	66	70
S415	0.6	250	22.6	66	70
S416	0.4	250	17.4	64	70
S417	0.5	250	20.8	68	72
S418	0.9	250	36.0	67	71
S419	1.1	250	43.4	67	70
S420	0.8	250	31.8	66	70
S313	0.8	250	31.9	68	71
S422	0.6	250	22.4	74	73
S423	0.5	250	21.0	72	72
S424	1.3	250	50.1	66	70
S425	9.5	250	381.2	58	69
S426	0.1	250	3.5	68	71
S427	0.3	250	13.2	65	70
S428	0.4	250	14.8	65	70
S429	1.0	250	38.7	66	70
S430	0.7	250	29.2	66	70
S431	1.0	250	40.2	65	70
S432	0.6	250	25.2	65	68
S433	0.1	250	3.0	64	69
S434	0.2	250	7.0	64	66
S435	0.5	250	21.6	76	72
S436	1.4	250	56.8	65	70
S437	0.6	250	24.8	66	70
S438	0.7	250	28.4	68	71
S439	0.6	250	23.9	68	71
S441	0.8	250	31.1	68	71
S442	1.9	250	74.4	52	67
S443	0.5	250	20.1	68	71
S444	0.3	250	12.4	66	70
S445	0.2	250	7.3	64	69
S446	1.5	250	58.9	67	70
S447	0.7	250	27.8	68	71
S448	8.2	250	327.5	66	70
S449	0.1	250	6.0	67	70
S450	0.5	250	21.3	66	70
S451	0.2	250	9.8	79	75
S452	0.4	250	14.3	66	70
S453	0.1	250	2.3	85	77

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3387	0.1	250	4.6	67	71
S3388	0.1	250	4.7	65	70
S3389	0.2	250	6.9	66	70
S3390	0.1	250	2.9	65	70
S3391	0.1	250	4.3	73	72
S3392	0.1	250	2.8	64	69
S3393	0.0	250	0.6	89	78
S3394	0.0	250	0.5	90	78
S3395	0.9	250	36.4	60	68
S3396	0.0	250	0.8	60	68
S3397	0.2	250	6.8	71	72
S3398	0.0	250	0.5	90	78
S3399	3.7	250	146.4	72	71
S3400	2.7	250	109.0	70	70
S3402	0.2	250	8.3	72	71
S3403	0.5	250	19.7	71	71
S3404	3.2	250	126.5	70	71
S3405	1.8	256	68.4	71	71
S3406	3.3	250	130.8	70	70
S3407	0.7	399	16.6	74	72
S3409	0.8	250	31.3	70	70
S3410	0.1	250	3.2	90	78
S3411	0.1	250	3.4	90	78
S3412	0.0	250	0.4	90	78
S3413	2.4	256	94.0	51	76
S3416	0.6	250	23.9	55	76
S3417	2.3	250	91.8	50	76
S3418	0.6	250	23.2	51	76
S3419	1.2	250	48.4	47	75
S3420	0.2	250	8.3	87	78
S3422	0.6	250	24.2	47	75
S3425	0.8	250	33.5	70	70
S3427	0.6	250	22.2	57	76
S3428	0.2	250	10.0	67	77
S3429	0.3	250	11.5	69	77
S3430	0.2	250	7.4	75	77
S3431	7.0	251	278.2	47	75
S3432	0.6	250	22.1	90	78
S3433	0.9	395	22.5	45	75
S3434	1.1	250	42.1	83	78
S3435	2.2	250	86.1	47	75
S3436	1.0	250	38.8	47	75
S3437	1.0	250	41.8	51	76
S3438	4.0	250	159.8	68	73
S3439	1.9	250	74.6	52	75
S3440	1.3	250	51.6	50	74
S3441	1.3	250	50.7	44	73
S3442	1.6	250	65.7	46	74
S3443	0.4	250	14.2	67	70
S3444	1.2	250	48.8	62	69
S3445	0.2	250	6.0	77	74
S3446	1.1	250	42.1	40	64
S3447	0.8	250	30.6	15	59
S3448	1.8	314	55.9	61	69
S3451	1.0	249	38.3	8	57
S3452	1.3	250	52.2	64	69
S3453	0.2	250	6.5	70	70
S3454	0.2	250	7.7	70	70
S3455	0.2	250	9.3	71	71
S3456	0.6	250	23.2	70	70
S3459	0.2	250	9.7	81	74
S3460	0.2	250	9.5	84	75
S3461	0.0	250	0.5	90	78
S3462	0.1	250	4.1	82	75
S3463	0.2	250	7.4	83	75

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S454	0.0	250	1.6	90	78
S455	1.1	250	43.3	69	70
S456	0.7	250	26.0	69	71
S457	0.1	250	4.2	65	70
S458	1.0	250	39.2	66	70
S460	1.4	250	55.3	65	70
S461	0.3	250	12.2	71	72
S462	1.4	250	56.3	65	70
S463	0.6	250	24.1	68	71
S464	0.3	250	12.9	66	70
S465	1.2	250	48.0	68	71
S466	0.2	250	8.9	78	74
S467	0.7	250	28.0	68	71
S468	0.4	250	17.7	68	71
S469	0.9	250	35.1	66	70
S470	0.1	250	5.2	66	70
S471	1.6	250	62.5	66	70
S472	0.7	250	27.4	68	70
S473	1.1	250	44.5	66	70
S474	0.4	250	15.6	73	72
S475	0.9	250	35.5	67	70
S476	0.6	250	23.6	69	71
S477	0.7	250	27.6	68	71
S478	0.1	250	3.3	90	72
S479	0.0	250	0.4	71	78
S480	0.5	250	19.0	66	70
S481	0.3	250	11.1	90	69
S482	0.3	250	10.7	34	66
S483	0.1	250	2.8	90	65
S484	0.3	250	13.1	67	70
S485	0.3	250	10.2	90	67
S486	0.4	250	17.7	73	65
S487	0.1	250	5.9	90	66
S488	1.0	250	39.3	27	65
S489	0.6	250	23.2	33	66
S490	4.1	250	164.3	70	66
S491	0.0	250	1.3	90	78
S492	0.1	250	4.2	69	68
S493	0.3	250	10.1	46	66
S494	0.7	250	26.9	1	65
S495	1.6	250	62.8	49	66
S496	0.7	250	26.0	48	67
S497	0.3	250	13.9	45	67
S498	0.7	250	27.8	89	64
S499	0.6	250	25.5	73	65
S500	0.3	250	12.6	68	68
S501	1.7	250	67.6	47	68
S502	2.6	250	102.2	5	70
S503	0.2	250	8.3	66	69
S504	0.2	250	7.6	65	70
S505	0.8	250	31.6	67	70
S506	1.2	250	49.0	66	70
S507	1.3	250	53.4	67	71
S508	0.2	250	6.4	68	74
S509	0.4	250	16.4	77	70
S510	0.2	250	7.4	65	71
S511	0.7	250	27.6	68	65
S512	0.6	250	23.7	66	67
S513	1.2	250	49.2	70	65
S514	0.6	250	25.5	67	65
S515	0.6	250	22.4	66	66
S516	0.4	250	14.8	67	64
S517	0.4	250	16.9	65	65
S518	0.3	250	13.7	67	66
S519	0.3	250	13.5	67	65

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3464	0.2	250	9.3	84	76
S3465	0.4	250	16.0	83	75
S3466	0.0	250	0.1	90	78
S3467	0.6	250	23.5	83	75
S3468	0.1	250	4.7	85	76
S3470	0.1	250	5.9	82	75
S3471	0.7	250	27.0	82	75
S3473	0.2	250	6.3	84	76
S3474	0.4	250	17.9	24	61
S3475	0.3	250	12.5	21	61
S3476	0.1	250	4.5	22	61
S3477	0.2	250	10.0	21	60
S3479	0.2	250	7.3	83	75
S3480	0.2	250	9.8	83	75
S3481	0.1	250	3.9	83	75
S3482	0.1	250	2.2	82	74
S3483	0.2	250	9.7	80	74
S3484	0.4	250	15.1	84	76
S3485	0.4	250	17.2	85	76
S3487	0.1	250	2.8	75	75
S3488	0.1	250	5.3	88	78
S3489	0.4	250	17.5	82	75
S3490	0.4	250	16.5	74	73
S3491	1.2	250	48.2	82	75
S3492	0.1	250	4.8	84	76
S3493	0.2	250	8.8	82	74
S3494	0.4	250	15.9	81	74
S3495	0.3	250	10.8	80	74
S3496	0.2	250	8.4	80	74
S3497	0.2	250	8.9	80	74
S3500	0.3	250	10.8	81	74
S3501	0.4	332	11.1	82	74
S3503	0.0	250	1.4	90	78
S3504	0.3	250	11.9	80	74
S3505	0.0	250	1.8	90	78
S3506	0.1	250	2.7	90	78
S3507	0.1	250	2.1	90	78
S3508	0.1	250	2.7	90	78
S3511	0.2	250	9.3	64	69
S3512	0.3	250	10.3	68	71
S3513	0.5	250	18.7	77	73
S3514	0.4	250	17.6	69	70
S3515	0.0	250	0.1	76	74
S3516	0.0	250	0.2	90	78
S3517	0.1	250	5.0	69	71
S3518	0.1	250	3.4	89	78
S3519	1.1	250	44.2	77	73
S3520	0.1	250	2.1	90	78
S3521	0.2	250	7.6	79	73
S3522	0.1	250	2.3	90	78
S3523	0.0	250	1.9	90	78
S3527	0.2	436	4.3	90	78
S3529	0.0	250	1.6	88	77
S3530	0.0	250	2.0	90	78
S3531	0.1	250	2.2	90	78
S3532	0.1	250	4.2	81	74
S3533	0.1	250	4.4	81	74
S3534	0.0	250	0.7	85	76
S3535	0.3	250	10.1	80	74
S3536	0.1	253	2.9	90	78
S3537	0.1	250	2.5	89	78
S3538	0.0	250	1.7	90	78
S3539	0.3	250	13.2	80	74
S3540	0.3	250	10.1	82	75
S3541	0.1	250	4.7	83	75

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S520	0.6	250	23.2	72	65
S521	0.4	250	17.4	65	64
S522	0.3	250	12.6	65	65
S523	0.4	250	16.8	66	66
S524	0.6	250	24.1	68	66
S525	0.3	250	11.7	68	66
S527	0.4	250	15.3	70	65
S528	0.0	250	1.0	67	78
S529	0.7	250	29.1	90	66
S530	0.6	250	22.4	71	66
S531	0.0	250	0.9	68	78
S532	0.6	250	22.6	90	68
S533	0.1	250	3.7	66	71
S534	0.6	250	24.3	68	68
S535	0.1	250	4.2	67	71
S536	0.2	250	7.6	70	70
S537	0.1	250	4.6	66	71
S538	0.2	250	7.3	69	68
S539	0.3	250	11.8	62	69
S540	0.1	250	5.2	90	68
S541	0.6	250	24.9	71	65
S542	0.6	250	24.6	67	69
S543	0.1	250	3.3	74	78
S544	0.7	250	29.9	90	67
S545	0.4	250	16.1	65	70
S546	0.4	250	17.6	66	67
S547	0.4	250	14.7	67	65
S548	0.4	250	17.7	65	65
S549	0.5	250	19.6	66	67
S550	0.1	250	3.2	90	62
S551	0.1	250	4.1	60	62
S552	0.1	250	4.2	60	77
S553	0.5	250	20.1	88	65
S554	0.6	250	24.3	67	53
S555	0.4	250	16.6	31	65
S556	0.4	250	16.7	65	66
S557	0.7	250	27.2	67	66
S558	0.4	250	17.6	66	68
S559	0.6	250	22.8	65	68
S560	0.5	250	18.4	68	74
S561	0.3	250	13.4	70	72
S562	0.3	250	11.3	77	73
S563	0.3	250	12.5	66	73
S564	0.6	250	25.9	66	73
S565	0.7	250	29.5	65	73
S566	0.4	250	14.3	66	74
S567	1.3	250	52.3	67	70
S568	0.4	250	17.8	65	69
S569	0.5	250	21.6	66	69
S570	0.7	250	26.1	90	66
S571	0.2	250	9.4	68	73
S572	0.2	250	8.5	80	72
S573	0.1	250	3.2	61	73
S574	0.9	250	37.5	64	65
S575	0.2	250	8.1	67	67
S576	0.1	250	4.3	69	67
S577	0.2	250	6.2	70	70
S579	0.2	250	6.4	90	70
S580	0.2	250	6.5	70	71
S581	0.2	236	10.2	68	68
S582	0.8	250	31.0	61	70
S583	0.9	250	37.6	67	74
S584	1.0	250	38.4	79	71
S585	0.8	250	33.5	70	70
S586	2.7	250	106.2	66	71

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3542	0.1	250	3.6	81	74
S3543	0.2	250	7.4	87	77
S3544	0.1	250	3.0	84	76
S3545	0.0	250	0.5	88	77
S3546	0.0	250	1.7	90	78
S3547	0.3	250	13.6	83	75
S3548	0.1	250	2.9	86	77
S3549	0.5	250	21.7	81	75
S3550	0.2	250	6.6	90	78
S3551	0.2	250	6.5	81	74
S3552	0.2	250	9.9	81	74
S3553	0.2	250	6.8	81	74
S3554	0.2	250	7.9	81	74
S3555	0.1	250	3.7	81	74
S3556	0.1	250	3.6	81	74
S3557	0.0	250	1.6	85	76
S3558	0.0	250	0.7	89	78
S3559	0.0	250	0.4	90	78
S3560	0.0	250	0.7	89	78
S3561	0.1	250	2.3	89	78
S3562	0.1	250	2.4	90	78
S3563	0.2	250	9.4	81	74
S3564	0.0	250	0.5	90	78
S3565	0.0	250	1.4	83	75
S3566	1.2	250	48.0	67	70
S3567	0.1	250	2.2	65	70
S3568	0.2	250	8.2	81	74
S3569	0.2	250	7.1	81	74
S3570	0.3	250	12.1	81	74
S3571	0.0	250	0.3	83	76
S3572	0.0	250	0.7	82	76
S3573	0.0	250	1.8	89	78
S3574	0.0	250	0.3	90	78
S3575	0.0	250	0.1	90	78
S3576	0.1	242	3.1	90	78
S3577	0.0	250	1.9	90	78
S3578	0.1	250	4.2	90	78
S3579	0.1	250	2.8	90	78
S3581	0.0	250	0.2	90	78
S3582	0.1	250	3.1	89	78
S3584	0.1	250	3.0	78	73
S3585	0.4	250	14.8	71	71
S3586	0.2	250	6.9	64	69
S3587	0.0	250	0.5	90	78
S3588	1.0	250	39.6	69	71
S3589	0.1	250	2.5	89	78
S3590	0.0	250	0.9	90	78
S3591	0.1	250	4.3	72	72
S3592	0.3	294	10.5	61	68
S3593	0.3	250	13.4	70	72
S3594	0.1	223	3.5	79	75
S3597	0.3	250	10.2	75	72
S3598	0.0	250	0.3	90	78
S3599	0.1	250	3.3	89	78
S3600	0.0	250	0.5	90	78
S3601	0.0	250	1.5	90	78
S3602	0.1	250	5.5	86	77
S3603	0.3	250	12.0	66	70
S3604	0.2	250	7.0	81	74
S3605	0.2	250	6.1	81	74
S3609	0.2	250	7.8	82	74
S3610	0.4	250	17.9	74	73
S282	4.0	250	158.8	63	69
S3611	0.3	250	12.7	70	72
S3612	0.9	250	34.7	69	71

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S587	0.3	250	12.7	68	70
S588	0.4	250	16.3	66	70
S589	1.0	250	38.6	66	70
S590	0.3	250	13.1	69	70
S591	0.2	250	7.0	66	70
S592	0.2	250	6.8	67	70
S593	0.3	250	11.6	66	70
S594	4.3	250	173.2	65	70
S595	0.4	250	17.1	67	71
S596	1.6	250	65.6	70	70
S597	1.5	250	59.1	66	71
S598	1.3	250	52.7	68	70
S599	0.1	250	4.2	64	69
S600	0.1	250	3.7	70	70
S601	0.8	250	31.4	65	70
S602	0.0	250	0.3	64	78
S604	0.2	250	6.1	70	71
S605	0.5	250	18.2	68	70
S607	0.3	250	13.1	80	68
S608	0.2	250	7.7	61	69
S609	0.1	250	5.2	64	69
S610	0.2	250	9.4	76	70
S612	0.1	250	4.2	70	74
S613	0.5	250	20.4	77	71
S614	0.1	250	3.6	70	68
S615	0.6	250	23.2	61	70
S618	0.0	540	0.5	65	75
S622	0.5	250	19.0	86	72
S623	0.2	250	8.3	72	74
S624	0.4	250	14.8	81	72
S625	0.2	250	7.1	73	74
S627	1.0	253	40.7	68	71
S628	0.3	250	11.5	68	71
S629	0.2	250	8.3	68	72
S630	0.4	250	17.4	90	70
S631	0.3	255	11.3	67	72
S632	0.0	250	0.1	73	78
S633	1.2	250	47.5	90	73
S635	0.2	290	7.3	80	74
S637	0.2	251	6.3	90	76
S638	0.0	250	1.4	84	70
S639	0.2	250	6.6	66	71
S640	0.9	250	34.7	71	70
S641	0.0	250	0.1	65	78
S642	0.1	250	3.7	90	69
S643	0.1	250	2.9	64	71
S644	0.1	250	5.0	71	74
S634_1	0.2	250	7.3	70	75
S634_2	0.2	250	9.6	84	74
S634	0.7	250	28.7	74	73
S645	0.5	250	18.2	81	74
S646	0.3	250	13.7	82	67
S647	0.5	250	18.2	50	69
S649	0.6	250	22.8	60	70
S651	0.5	250	18.7	68	71
S655	0.5	250	21.6	90	70
S656	0.2	250	8.0	67	70
S657	0.6	250	24.1	64	71
S658	0.2	250	7.6	67	70
S660	0.6	390	15.0	68	72
S661	0.8	250	32.4	68	72
S663	2.1	250	84.7	52	72
S664	0.1	250	5.1	57	69
S665	0.7	250	28.4	63	70
S666	0.0	250	0.8	64	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3613	0.2	250	7.0	74	73
S3614	0.2	250	7.9	64	70
S3615	0.5	250	18.5	1	55
S3616	0.9	250	34.4	69	72
S3617	0.0	250	0.6	90	78
S3618	0.2	250	9.4	63	71
S3619	0.0	250	1.3	90	78
S3621	0.5	275	18.2	72	73
S3622	0.0	250	1.9	89	78
S3623	0.5	253	18.8	80	72
S3624	0.2	250	6.9	89	78
S3625	0.5	250	20.5	82	73
S3626	0.5	250	20.6	70	69
S3627	0.2	250	8.0	83	73
S3628	0.2	250	6.0	84	75
S3629	1.0	250	39.9	61	63
S3630	0.9	250	34.3	61	62
S3631	0.3	250	13.1	61	62
S3632	0.7	250	28.9	63	66
S3633	0.0	250	0.4	90	78
S3634	0.1	250	2.9	90	78
S3635	0.2	250	7.0	77	74
S3636	0.2	250	8.2	70	71
S3637	0.0	250	0.9	90	78
S3638	0.1	250	4.4	75	73
S3639	0.1	250	5.7	72	72
S3640	0.1	250	2.5	64	69
S3642	0.0	250	0.7	90	78
S3643	0.4	250	17.9	69	73
S3644	0.9	250	36.8	60	70
S3645	0.4	250	15.0	71	73
S3646	0.2	250	9.2	71	73
S3647	0.2	250	6.4	86	77
S3648	0.4	250	15.9	63	71
S3649	0.8	250	32.3	63	71
S3650	0.2	250	7.3	60	70
S3651	0.2	250	6.5	60	70
S3652	0.3	238	13.2	60	70
S3653	1.1	250	45.3	61	71
S3654	0.4	250	15.6	63	71
S3655	0.8	250	31.1	65	72
S3656	0.6	250	25.0	66	72
S3657	0.6	250	23.8	68	73
S3658	0.1	250	4.4	69	73
S3659	0.0	250	0.2	90	78
S3660	0.4	250	15.9	67	73
S3661	0.4	250	16.8	73	74
S3662	0.6	250	22.2	62	71
S3663	0.7	250	29.4	61	71
S3664	0.1	250	3.2	62	69
S3665	0.7	250	27.4	76	73
S3666	0.0	250	0.0	90	78
S3667	0.0	250	2.0	89	78
S3668	1.0	250	38.3	79	74
S3669	0.2	250	9.3	80	74
S3670	0.1	250	4.6	83	75
S3671	0.0	250	1.3	90	78
S3672	0.0	250	0.3	90	78
S3673	0.0	250	0.9	89	78
S3674	0.0	250	0.3	90	78
S3675	0.1	250	5.5	81	74
S3676	0.1	250	5.9	81	74
S3677	0.6	250	22.8	75	73
S3678	0.2	250	7.0	80	74
S3679	0.4	250	16.2	81	74

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S667	0.6	250	25.7	90	72
S669	1.6	250	63.1	65	73
S670	0.7	250	26.1	65	71
S671	1.1	250	43.0	65	70
S672	0.9	250	36.3	65	70
S673	0.4	250	16.8	65	71
S674	0.4	250	16.8	67	71
S675	0.6	250	24.6	70	71
S676	0.7	250	28.5	67	70
S677	0.5	250	19.5	66	70
S678	0.1	250	3.2	66	69
S679	0.4	250	16.9	63	71
S680	0.1	297	2.6	65	68
S682	0.1	250	3.0	90	69
S683	0.3	250	13.9	63	70
S684	0.1	250	5.3	67	73
S685	0.4	250	14.9	76	70
S686	0.2	250	8.2	66	73
S687	0.3	250	11.0	76	72
S688	0.4	250	14.4	75	73
S689	1.0	250	38.3	77	70
S690	1.7	250	66.5	73	69
S691	0.6	250	25.6	64	72
S692	0.3	250	13.8	72	70
S693	1.2	250	48.7	67	70
S694	0.3	250	12.7	66	70
S695	0.5	250	19.7	66	70
S696	0.3	290	11.7	67	68
S698	0.1	250	4.0	68	71
S699	0.1	250	2.1	70	78
S700	0.7	250	26.3	84	70
S701	0.2	250	8.7	67	75
S702	0.0	250	0.3	79	78
S703	0.8	250	31.6	90	71
S705	0.7	250	26.3	68	70
S706	0.7	250	27.1	66	70
S707	0.6	250	24.3	66	72
S708	0.8	250	30.6	70	70
S709	0.9	250	35.4	65	70
S710	0.8	250	33.8	90	70
S711	1.0	250	40.2	66	70
S712	0.9	250	35.1	67	70
S713	0.1	250	2.9	66	78
S714	0.0	250	0.9	89	78
S715	0.2	256	6.7	90	70
S716	0.0	250	0.2	66	78
S717	0.7	250	29.3	90	70
S718	0.7	250	27.3	66	70
S720	0.6	250	24.0	69	71
S721	0.5	250	21.3	66	70
S722	0.4	250	17.0	67	70
S724	0.2	250	8.4	65	70
S725	0.2	250	10.0	64	70
S726	0.1	250	4.7	68	71
S727	0.3	250	10.4	65	70
S730	1.1	250	44.2	65	70
S731	0.5	250	19.7	67	70
S732	0.3	250	12.4	68	71
S733	0.2	250	6.6	60	68
S734	0.4	250	16.7	67	71
S735	0.4	250	15.0	66	70
S736	1.2	250	49.5	69	71
S737	0.6	250	25.6	81	74
S738	0.2	250	7.0	84	76
S740	0.4	250	14.2	84	76

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3680	0.0	250	0.3	90	78
S3681	0.6	250	23.9	62	69
S3682	0.5	250	21.2	62	69
S3683	0.0	250	1.3	90	78
S3684	0.0	250	0.7	90	78
S3685	0.4	250	15.3	68	71
S3686	0.1	250	5.2	72	72
S3687	0.0	250	0.7	90	78
S3688	0.0	250	0.7	88	78
S3689	0.0	250	0.9	87	77
S3690	0.6	250	23.2	82	74
S3691	0.1	250	2.9	82	75
S3692	0.3	250	11.3	83	75
S3693	0.1	250	5.1	80	74
S3694	0.1	250	2.1	72	72
S3695	0.0	250	0.1	85	77
S3696	0.0	250	0.1	90	78
S3697	0.0	250	0.7	90	78
S3698	0.1	250	2.3	83	76
S3699	0.0	250	1.3	61	68
S3700	0.1	250	3.5	68	71
S3701	0.1	250	2.9	84	76
S3702	0.1	341	3.4	87	77
S3703	0.4	486	7.8	79	74
S3704	0.2	250	7.1	61	68
S3705	0.0	250	0.5	90	78
S3706	0.1	250	5.1	87	78
S3707	0.0	250	1.1	81	75
S3708	0.0	250	0.0	71	72
S3709	0.0	250	0.0	60	68
S3710	0.0	250	1.5	60	68
S3711	0.1	250	3.2	69	71
S3712	0.1	250	2.7	65	70
S3713	0.0	250	0.2	90	78
S3720	0.2	250	9.4	67	70
S3721	0.1	250	3.8	67	70
S3722	0.3	250	12.1	62	69
S3723	0.7	250	29.0	62	69
S3739	0.2	250	8.5	70	71
S3740	0.3	250	12.8	66	70
S3741	0.7	250	27.3	66	70
S3742	0.6	250	22.9	66	70
S3743	1.1	250	44.5	65	71
S3744	0.0	250	0.4	90	78
S3745	0.5	250	19.3	67	71
S3746	0.6	250	24.1	67	71
S3747	0.4	250	15.2	68	72
S3748	1.6	250	64.7	68	71
S3749	0.0	345	0.1	90	78
S913	1.9	250	74.3	66	70
S3750	0.2	250	8.5	70	71
S3751	0.1	250	2.2	88	78
S3752	0.0	250	0.4	90	78
S3753	0.0	250	0.4	90	78
S911	0.0	250	1.2	69	71
S3754	0.1	250	3.0	81	76
S3755	0.0	250	0.3	90	78
S3756	0.0	250	0.5	90	78
S3757	0.6	250	22.5	67	71
S3758	0.3	250	10.9	66	71
S3759	0.3	250	12.4	69	72
S3762	0.0	250	0.5	90	78
S3763	0.0	250	0.2	90	78
S3764	0.6	250	23.2	73	72
S3765	0.8	250	31.5	71	72

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S741	0.2	250	7.0	89	78
S742	0.3	250	13.6	71	73
S743	0.5	250	19.5	67	73
S745	0.2	250	9.5	73	72
S747	0.2	250	9.4	70	72
S748	0.1	250	3.9	90	78
S749	0.3	250	13.0	82	75
S750	0.3	250	13.0	78	73
S751	0.8	250	34.0	70	71
S752	0.2	250	9.4	69	71
S753	0.3	250	12.3	63	69
S754	0.2	250	8.0	70	71
S755	0.5	250	18.0	66	70
S756	0.2	250	8.1	70	72
S757	0.2	250	6.6	69	71
S758	0.3	250	11.2	64	69
S759	0.1	250	4.0	68	71
S760	0.1	250	4.6	69	71
S761	0.1	250	3.1	68	71
S762	0.1	250	4.0	73	72
S763	0.2	250	7.9	70	72
S765	0.3	345	8.2	64	69
S766	0.5	258	20.8	68	71
S767	0.6	264	21.0	69	71
S768	0.1	250	5.0	69	71
S769	0.1	250	4.9	68	71
S770	0.3	250	12.7	69	71
S771	0.3	250	12.5	64	69
S774	0.4	250	14.6	64	69
S775	0.3	250	13.2	64	69
S776	0.3	250	12.6	74	73
S777	0.0	250	0.6	90	78
S778	0.3	250	11.1	73	72
S779	0.1	250	3.3	70	71
S780	0.2	250	7.1	72	72
S781	0.2	302	5.1	80	75
S782	0.0	250	0.4	90	78
S783	0.2	250	8.0	69	71
S784	0.2	250	7.4	71	72
S786	0.1	250	3.2	69	71
S787	0.1	250	2.9	68	71
S788	0.3	250	11.9	45	66
S789	0.0	250	1.1	82	76
S790	0.4	250	14.9	63	70
S791	1.4	252	55.1	59	74
S792	0.7	250	28.3	58	73
S793	0.4	250	14.8	69	71
S794	0.2	250	7.7	72	72
S795	0.2	250	8.8	65	70
S796	0.2	250	6.5	64	69
S797	0.3	250	13.8	81	75
S798	0.1	250	3.9	64	76
S799	0.0	250	0.7	90	78
S800	0.0	250	0.5	90	78
S801	0.0	250	0.8	83	76
S802	0.1	250	3.0	90	78
S803	0.3	250	10.6	68	71
S804	0.2	250	8.7	67	71
S805	0.2	250	7.5	66	70
S806	1.1	250	45.9	66	70
S808	1.8	250	70.5	68	73
S809	0.5	250	20.5	52	74
S810	0.4	250	16.8	62	72
S811	0.1	250	3.9	90	78
S812	0.1	250	2.5	90	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3766	0.0	250	0.6	90	78
S3767	2.4	250	94.9	72	72
S3768	0.9	250	36.3	64	70
S3769	0.1	250	2.1	90	78
S3770	0.0	250	0.6	90	78
S3771	0.0	250	0.2	90	78
S3772	0.8	250	32.8	65	70
S3773	0.8	250	30.6	65	70
S3778	0.1	250	2.4	88	78
S3779	0.6	250	25.4	67	70
S3780	0.3	250	11.1	65	70
S3781	0.9	250	37.8	65	70
S3784	0.1	238	2.8	63	69
S3785	0.5	248	19.5	66	70
S3786	0.6	250	25.9	64	69
S3787	0.7	250	26.7	62	69
S3788	0.2	250	9.1	19	60
S3789	0.2	250	7.5	86	77
S3790	0.0	340	0.4	90	78
S3791	0.1	250	2.4	90	78
S3792	0.1	250	5.8	90	78
S3795	0.1	250	4.0	81	74
S3796	0.3	250	13.1	84	75
S3797	0.1	250	3.3	84	76
S3798	0.1	250	3.0	90	78
S3800	0.1	250	5.3	80	74
S3801	0.2	250	8.5	80	74
S3802	0.3	250	12.7	80	74
S3803	0.2	251	7.1	80	74
S3805	0.1	250	2.2	81	74
S3806	0.0	250	1.5	89	78
S3807	0.0	250	0.4	90	78
S3808	0.0	279	0.1	90	78
S3809	0.0	278	0.0	80	74
S3810	0.1	339	2.7	88	77
S3811	0.1	270	2.7	87	77
S3813	0.2	250	9.5	81	74
S3814	0.3	250	13.2	81	74
S3815	0.2	250	8.6	81	74
S3816	0.1	301	2.8	81	74
S3817	0.2	239	9.9	80	74
S3818	0.3	250	13.3	81	74
S3819	0.3	250	12.5	81	74
S3820	0.2	250	9.9	81	74
S3821	0.1	250	3.4	83	75
S3822	0.0	250	0.8	90	78
S3823	0.0	250	1.3	90	78
S3824	0.0	250	0.3	90	78
S3825	0.1	250	2.7	83	76
S3826	0.0	250	0.5	90	78
S3827	1.3	250	51.4	65	70
S3828	1.3	250	53.2	73	72
S3829	0.5	250	19.0	80	74
S3830	0.1	250	3.0	90	78
S3831	0.3	250	12.6	82	75
S3832	0.2	250	8.3	84	76
S3833	0.1	250	4.4	90	78
S3834	0.2	250	9.6	84	76
S3835	0.1	250	4.2	90	78
S3836	0.2	250	6.6	90	78
S3837	0.3	250	13.5	77	73
S3838	0.1	25	50.0	81	65
S3839	0.1	250	5.4	72	71
S3840	0.1	250	3.7	90	78
S3841	1.1	250	42.3	60	68

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S814	0.1	250	5.5	62	72
S815	0.5	250	22.0	67	73
S816	0.2	250	6.8	66	73
S817	0.0	250	0.2	90	78
S818	0.3	250	11.3	67	73
S820	0.1	250	2.5	90	78
S821	0.1	250	3.0	70	74
S822	0.8	250	30.4	66	73
S823	0.1	250	3.8	50	73
S824	0.4	250	15.8	63	73
S825	0.1	250	3.5	90	78
S826	0.1	250	3.7	88	78
S827	0.1	250	4.4	56	74
S828	0.8	250	33.2	46	74
S830	0.4	250	14.1	53	73
S831	0.6	269	21.5	66	72
S832	0.0	250	1.0	90	78
S833	0.1	250	3.3	69	71
S834	0.3	266	12.1	33	63
S836	0.8	250	33.9	65	70
S837	0.4	250	17.4	65	70
S838	0.5	250	18.4	65	70
S839	0.5	250	21.3	68	71
S841	0.2	250	8.4	80	75
S842	0.2	250	8.0	71	72
S843	0.1	250	3.2	68	71
S844	0.4	250	15.3	68	71
S845	0.7	250	27.2	66	70
S846	0.3	250	13.3	67	71
S847	0.5	250	19.5	67	70
S848	0.4	250	14.6	69	71
S849	0.2	250	6.0	87	77
S850	0.0	250	0.9	89	78
S851	0.0	250	0.3	90	78
S852	0.0	250	0.1	90	78
S853	0.0	250	0.3	79	75
S854	0.0	250	1.7	61	68
S855	0.8	250	32.9	68	71
S856	0.0	250	0.6	90	78
S857	0.2	250	9.0	72	72
S858	0.5	250	18.9	60	68
S859	0.2	250	8.7	65	70
S860	0.0	250	0.2	80	75
S861	0.0	250	0.3	90	78
S863	0.2	407	4.3	67	70
S864	0.1	250	2.0	89	78
S866	0.3	250	12.9	67	71
S867	0.5	250	19.4	70	72
S869	0.7	250	26.2	69	71
S870	1.0	299	32.1	66	70
S875	0.6	413	14.2	66	70
S878	0.1	250	3.9	90	78
S879	0.7	250	26.5	67	71
S880	0.1	250	4.1	62	69
S881	0.2	250	7.6	60	68
S882	0.1	250	4.9	60	68
S883	0.5	250	21.7	67	70
S884	0.5	250	21.6	67	70
S886	0.2	250	8.2	63	69
S890	0.1	250	3.1	90	78
S891	2.7	250	109.9	67	70
S892	2.0	250	78.1	66	72
S896	1.5	250	61.6	70	71
S897	0.8	250	33.1	66	70
S898	0.1	250	4.2	63	69

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3842	0.1	250	5.3	88	78
S3843	0.2	250	8.3	90	78
S3844	0.3	250	11.5	88	78
S3845	0.2	250	9.3	80	75
S3846	0.2	250	7.4	89	78
S3847	0.0	250	1.7	89	78
S3848	0.0	250	0.4	90	78
S3850	0.5	271	18.7	0	55
S3851	0.5	276	16.6	0	55
S3852	0.4	250	17.9	82	75
S3854	0.2	250	6.1	81	74
S3855	0.0	250	0.2	89	78
S3857	0.1	250	3.5	80	75
S3858	0.0	250	0.4	90	78
S348	0.4	250	14.2	76	73
S3859	0.1	250	4.4	83	75
S3860	2.3	250	90.3	65	70
S3861	0.0	250	0.4	90	78
S3862	0.1	250	4.1	89	78
S3863	2.0	250	79.5	61	69
S3864	1.0	250	41.6	61	68
S3865	0.0	250	1.6	81	75
S3866	0.6	250	23.5	66	70
S3868	0.3	250	12.8	65	70
S3869	0.9	250	34.3	45	66
S3870	0.6	250	23.8	20	60
S3871	0.4	250	14.7	68	71
S3873	0.4	250	16.5	65	72
S273	2.5	250	99.5	64	69
S3874	0.0	250	0.2	90	78
S3875	0.0	250	0.4	89	78
S3876	0.2	250	6.6	65	72
S3877	0.1	250	5.5	64	69
S3878	2.8	310	91.0	67	71
S3881	0.2	250	7.1	72	72
S3882	0.1	250	2.0	69	71
S3883	0.2	250	6.3	63	69
S3884	0.0	250	1.7	84	76
S3885	0.0	250	1.0	83	75
S3886	0.0	250	1.0	83	75
S3887	0.1	250	5.7	69	73
S3890	0.4	253	14.3	64	69
S3891	0.2	250	6.5	76	73
S3892	0.4	250	17.2	63	71
S3893	0.2	250	8.8	62	71
S3894	0.2	250	7.6	86	77
S3895	0.5	250	18.7	81	74
S3896	0.1	250	2.1	90	78
S3897	0.0	250	0.8	88	77
S3898	0.0	250	0.1	90	78
S3899	0.2	250	6.5	90	78
S3900	0.1	250	3.8	84	75
S3901	0.5	250	19.3	76	73
S3902	0.2	250	6.8	85	76
S3903	0.2	250	9.1	81	74
S3904	0.1	250	3.4	90	78
S3905	0.6	250	23.8	76	73
S650	0.1	250	5.0	65	71
S3906	0.6	250	25.5	73	73
S3908	7.1	250	282.4	53	75
S3910	0.3	250	13.9	60	62
S3911	0.9	250	37.6	71	71
S3912	0.1	250	2.8	90	78
S3913	4.4	250	175.4	64	69
S3914	0.3	250	12.7	81	75

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S899	0.2	250	6.8	78	74
S900	0.3	250	12.9	78	74
S901	0.4	250	14.1	75	73
S902	0.5	250	21.2	76	73
S904	0.1	250	3.0	79	75
S905	0.1	250	4.8	80	75
S906	0.6	250	24.5	67	71
S907	0.3	250	13.7	70	72
S908	0.2	250	8.7	62	69
S909	0.3	250	12.8	74	73
S910	0.3	250	11.3	69	72
S912	0.2	250	9.9	71	72
S914	1.2	250	46.5	72	73
S915	0.5	250	20.4	72	72
S916	0.3	250	13.3	71	72
S917	0.9	250	36.7	71	73
S918	0.1	250	4.5	90	78
S919	3.0	250	118.2	59	72
S920	1.8	250	73.5	66	73
S921	4.0	250	159.8	67	74
S922	0.7	250	26.9	70	74
S923	0.2	250	6.3	79	76
S924	0.4	250	17.2	66	73
S925	0.9	250	35.0	66	73
S926	0.4	250	16.2	65	73
S927	0.3	250	12.6	67	73
S928	2.5	250	100.9	67	74
S929	0.2	250	9.2	71	74
S930	2.7	250	109.9	65	71
S931	4.7	250	187.9	66	73
S932	1.0	250	40.0	66	73
S933	9.2	250	367.4	66	73
S934	0.6	250	25.2	64	73
S935	0.1	250	3.3	3	64
S936	3.9	250	156.4	63	73
S937	0.2	250	7.9	72	75
S938	2.7	250	106.1	69	74
S939	0.4	276	15.0	68	74
S940	7.1	250	284.3	51	71
S941	2.4	250	94.4	67	74
S942	0.2	250	7.3	65	73
S943	0.8	250	31.5	69	74
S944	0.1	250	5.8	70	74
S945	2.9	250	114.2	67	73
S946	0.4	250	14.6	68	74
S947	0.1	250	2.5	90	78
S948	0.3	250	13.1	67	74
S949	0.5	250	21.4	67	74
S950	1.3	250	50.1	66	73
S952	0.3	250	10.4	61	72
S953	0.2	250	7.8	67	74
S954	0.4	250	17.9	66	73
S955	0.8	250	30.1	66	73
S956	7.8	293	264.7	64	73
S957	1.5	250	60.5	65	73
S958	0.4	250	15.0	74	75
S959	0.1	250	3.8	76	76
S960	0.1	250	4.1	71	74
S961	0.1	250	5.1	73	75
S962	0.3	250	10.1	67	74
S963	0.5	250	21.0	69	74
S964	3.9	250	154.4	65	73
S965	1.7	250	68.2	69	74
S966	9.2	250	369.2	67	73
S967	0.4	250	16.9	68	74

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3916	0.1	250	2.8	79	74
S3917	0.3	250	10.0	87	77
S3918	0.5	250	20.6	70	72
S3919	0.2	250	6.0	64	68
S3920	0.2	250	8.6	65	69
S3921	0.0	250	1.9	83	74
S3924	0.4	250	16.2	69	74
S3953	0.4	250	17.4	61	72
S3955	0.3	250	11.5	67	74
S3956	0.2	250	8.9	66	73
S3957	0.1	250	5.1	69	74
S3971	1.0	250	39.1	67	74
S3994	0.1	294	4.0	32	68
S3996	1.2	250	46.6	65	73
S4006	0.7	250	29.8	51	76
S4007	1.2	250	48.7	51	76
S4008	1.2	250	48.1	47	75
S4009	0.2	250	9.6	86	78
S4010	0.1	250	2.3	87	78
S4011	0.6	250	22.0	50	76
S4012	0.1	250	3.5	90	78
S4013	0.0	250	1.3	90	78
S4014	1.0	250	41.1	45	75
S4015	1.0	250	39.7	68	74
S4016	0.2	250	7.3	65	71
S4018	0.3	250	12.3	68	71
S4019	0.1	250	3.8	69	71
S4020	0.4	250	15.6	70	70
S4027	0.2	250	9.7	81	75
S4028	0.1	250	5.3	79	74
S4029	0.0	250	0.7	79	74
S4030	0.2	1092	2.2	74	72
S4031	0.0	250	0.4	90	78
S4032	0.1	250	4.7	90	78
S4033	0.1	250	4.9	87	77
S4034	0.1	250	2.0	88	78
S4035	0.2	250	8.9	68	68
S4037	0.0	250	0.5	90	78
S4038	0.0	250	1.1	89	78
S4039	0.0	250	0.8	90	78
S4049	0.9	250	37.6	81	75
S4050	4.0	250	159.7	49	60
S4051	0.5	250	19.2	62	68
S4052	1.1	250	43.1	82	76
S4053	0.4	250	17.6	85	77
S4054	0.7	250	28.0	82	76
S4055	1.6	250	62.9	81	76
S4056	0.9	250	34.9	81	76
S4057	0.1	250	5.0	90	78
S4058	0.1	250	4.3	90	78
S4059	0.1	250	4.8	90	78
S4060	0.1	250	5.5	90	78
S4063	1.0	250	38.1	80	75
S4064	0.3	250	11.1	70	73
S4065	0.3	250	11.5	70	73
S4066	0.8	250	32.4	70	73
S4067	3.3	250	130.5	80	74
S4068	2.1	250	85.5	80	73
S4069	2.2	250	88.0	80	75
S4070	0.5	279	18.6	60	68
S4072	0.0	250	1.0	87	77
S4073	0.0	250	0.4	77	74
S4074	0.2	250	6.3	88	78
S4107	1.4	250	54.1	66	66
S4108	0.1	250	5.3	60	66

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S968	1.0	250	41.6	70	74
S969	0.4	250	16.9	67	73
S970	0.5	250	21.3	67	74
S971	0.4	250	14.0	74	75
S972	2.3	250	91.4	66	73
S973	0.3	250	11.1	69	74
S974	0.7	250	27.1	66	73
S975	0.5	250	21.7	68	74
S976	0.7	250	29.3	67	73
S977	0.8	250	32.4	66	73
S978	2.7	250	109.7	67	73
S979	0.4	250	15.3	69	74
S980	7.7	250	309.7	60	72
S981	0.1	250	4.2	70	74
S982	0.4	250	14.7	72	74
S984	3.8	250	151.7	61	73
S985	4.6	251	183.2	51	71
S986	3.2	250	129.7	65	73
S987	0.4	250	16.7	69	74
S988	1.3	250	50.5	69	72
S989	2.7	250	108.0	67	74
S990	3.1	250	122.2	64	73
S991	3.9	250	155.8	49	71
S992	0.3	250	11.1	68	71
S993	0.6	250	23.5	66	71
S994	0.5	250	21.7	67	71
S995	0.2	250	8.3	62	72
S996	1.6	250	63.1	67	73
S997	0.1	250	5.4	64	73
S998	0.5	250	18.2	66	73
S999	0.3	250	11.0	68	74
S1000	0.4	250	14.1	63	73
S1001	2.3	250	92.7	65	73
S1002	0.8	250	31.2	66	73
S1003	2.1	250	83.0	67	71
S1004	0.4	250	16.0	66	70
S1005	0.9	250	35.2	65	70
S1006	2.7	250	108.8	67	72
S1008	0.1	250	5.7	61	72
S1010	1.1	250	44.7	65	73
S1011	0.7	250	28.2	69	74
S1012	2.0	250	79.5	66	73
S1013	0.2	260	9.1	72	74
S1014	0.1	288	2.8	67	73
S1018	4.1	250	162.3	53	71
S1019	2.2	250	88.6	66	73
S1020	0.5	250	20.8	65	73
S1021	0.4	250	16.8	66	73
S1022	0.4	250	17.8	66	73
S1023	0.5	250	21.8	65	73
S1024	4.5	250	178.6	65	73
S1025	2.3	250	92.8	71	74
S1026	6.4	250	254.1	65	71
S1027	4.6	250	184.6	66	71
S1028	3.1	250	122.2	66	70
S1029	6.7	250	268.2	66	72
S1030	7.7	250	308.5	65	70
S1032	1.3	250	50.9	66	71
S1033	0.2	250	6.8	68	71
S1034	0.7	250	27.7	66	70
S1035	0.8	250	31.2	65	70
S1036	0.1	250	3.7	63	69
S1037	1.9	250	74.2	67	71
S1040	0.3	250	11.2	88	78
S1041	0.2	250	8.1	88	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4109	0.2	250	6.1	90	78
S4110	0.6	250	24.6	60	62
S4111	0.7	250	26.6	60	62
S4112	0.7	250	29.8	60	61
S4113	0.6	315	19.7	67	67
S4114	5.2	479	108.9	55	64
S4115	0.9	308	30.5	62	64
S4117	0.2	250	8.8	89	78
S4118	0.5	250	20.8	72	74
S4119	0.6	250	22.2	81	77
S4121	0.0	250	0.5	83	77
S4122	0.6	250	22.7	89	78
S4123	0.8	250	30.9	80	76
S4124	2.7	250	108.3	78	76
S4125	0.3	250	12.1	66	73
S4126	0.5	250	20.0	67	73
S4127	0.8	250	33.0	67	73
S4128	1.4	250	55.4	64	73
S4129	0.1	250	3.9	67	73
S4130	0.4	250	14.2	64	73
S4131	0.4	250	15.7	66	73
S4132	0.3	250	12.5	67	74
S4133	0.2	250	6.2	65	73
S4134	0.1	250	6.0	76	75
S4135	0.3	250	13.0	68	74
S4136	0.8	250	32.9	45	70
S4137	0.4	250	15.6	59	72
S4138	0.2	250	6.2	68	74
S4139	0.1	250	2.3	82	77
S4140	0.6	250	24.7	66	73
S4141	0.7	250	29.8	67	74
S4142	0.4	250	17.8	67	74
S4143	0.4	250	14.7	66	73
S4144	0.5	250	19.7	71	74
S4145	0.4	250	15.3	68	74
S4146	0.0	250	0.5	90	78
S4147	0.0	250	0.4	90	78
S4148	0.0	250	0.5	84	77
S4149	0.3	250	12.3	60	72
S4150	0.2	250	8.5	64	73
S4151	0.2	250	9.0	70	74
S4152	0.3	250	11.9	66	73
S4153	0.4	250	14.3	46	70
S4154	0.3	250	11.6	69	74
S4155	2.1	250	82.1	66	73
S4156	0.1	250	3.7	70	74
S4157	0.5	250	20.7	67	73
S4158	0.6	250	22.7	67	73
S4159	2.0	250	79.7	63	73
S4161	2.1	250	84.4	68	74
S4163	0.1	250	4.6	68	74
S4164	0.3	250	10.7	76	75
S4165	1.4	251	54.7	66	73
S4166	0.1	250	5.9	62	73
S4167	0.4	250	14.8	65	73
S4168	0.2	250	8.4	67	74
S4169	0.1	250	2.4	68	74
S4170	1.3	250	52.6	70	74
S4172	0.5	329	15.4	66	73
S4173	0.1	250	2.2	61	72
S4174	0.1	250	3.1	68	74
S4175	0.4	250	14.2	66	73
S4176	0.4	250	16.4	64	73
S4177	0.0	250	0.5	84	77
S4178	0.0	250	0.4	87	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1042	0.6	250	23.9	42	64
S1043	2.4	250	96.0	66	70
S1044	1.8	250	72.7	89	78
S1045	0.5	250	19.6	87	78
S1046	1.4	250	54.3	65	73
S1047	0.8	250	30.5	69	74
S1048	0.9	250	36.1	59	72
S1050	2.9	250	114.6	65	73
S1051	2.2	250	89.6	62	72
S1052	5.7	250	227.7	67	67
S1053	0.2	250	6.2	70	71
S1054	0.5	250	21.9	66	70
S1055	0.3	250	13.0	60	68
S1056	0.4	250	14.4	70	71
S1057	1.8	250	73.8	66	70
S1058	0.3	250	12.4	71	72
S1059	2.8	250	110.4	66	70
S1060	0.4	250	15.7	66	70
S1061	0.4	250	16.1	66	70
S1062	0.4	250	15.1	69	71
S1063	0.7	250	26.4	66	70
S1064	0.8	250	31.0	67	70
S1065	0.6	250	25.2	66	70
S1066	0.8	250	32.2	67	70
S1067	3.5	250	138.8	67	72
S1068	0.2	250	9.0	69	71
S1069	0.6	250	24.4	66	70
S1070	0.1	250	4.7	72	72
S1071	0.7	250	26.1	66	70
S1072	0.6	250	22.5	57	68
S1073	2.4	250	94.7	56	68
S1074	0.4	250	16.1	53	67
S1075	0.3	250	13.3	68	71
S1076	0.9	250	36.9	68	71
S1077	0.9	250	35.1	66	72
S1078	0.4	250	15.7	60	72
S1079	1.2	250	50.0	67	73
S1080	0.1	250	3.7	68	73
S1081	0.9	250	34.4	66	73
S1082	6.6	250	263.6	62	72
S1083	0.3	250	12.5	64	71
S1084	4.9	250	194.5	67	70
S1085	0.3	250	11.6	66	70
S1086	0.1	250	3.7	60	68
S1087	4.6	250	185.2	64	71
S1088	0.1	250	5.8	68	74
S1089	2.4	250	97.1	65	65
S1090	0.2	250	7.6	68	66
S1091	0.1	250	5.8	76	70
S1092	0.3	250	12.5	66	65
S1093	0.3	250	13.1	68	66
S1094	0.4	250	16.0	63	64
S1095	0.6	250	22.8	66	65
S1096	4.1	250	164.5	53	60
S1097	0.1	250	4.3	65	64
S1098	0.5	250	21.2	65	64
S1099	0.3	250	12.7	65	65
S1100	6.2	250	249.0	49	59
S1101	0.2	250	7.1	67	66
S1102	2.3	250	91.8	67	67
S1103	0.4	250	14.8	66	67
S1104	0.4	250	14.7	66	65
S1105	2.5	250	100.9	67	66
S1106	0.1	250	4.2	72	68
S1107	3.7	250	148.3	64	65

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4179	0.5	250	18.5	45	70
S4180	0.1	250	3.1	42	70
S4181	0.3	250	12.7	59	72
S4182	0.6	250	25.5	43	70
S4183	0.0	250	0.4	90	78
S4184	2.3	253	91.2	62	73
S4185	1.5	250	58.9	81	76
S4186	0.2	250	9.9	88	78
S4188	0.1	250	3.1	88	78
S4189	0.1	250	2.9	89	78
S4190	0.0	250	1.5	90	78
S4191	0.0	250	0.1	90	78
S4192	0.7	250	27.8	67	73
S4193	0.4	250	15.2	68	74
S4194	0.4	250	15.9	67	73
S4195	0.6	250	22.9	66	73
S4196	0.3	250	13.6	66	73
S4197	0.2	250	9.0	63	73
S4198	0.3	250	11.1	63	73
S4199	0.6	275	22.2	69	74
S4200	0.2	250	8.1	79	76
S4201	0.0	250	1.0	90	78
S4202	0.1	250	2.1	89	78
S4204	5.3	250	210.0	21	72
S4206	1.2	250	49.9	84	77
S4207	0.5	250	21.5	70	73
S4208	1.1	250	42.5	70	72
S4209	2.6	250	104.9	70	70
S4210	1.9	613	30.2	70	70
S4211	0.3	250	12.7	70	72
S4212	0.2	250	6.5	70	71
S4213	3.2	250	128.7	70	73
S4214	0.1	250	5.3	70	73
S4215	0.2	250	8.6	70	73
S4216	0.4	250	17.5	76	75
S4217	0.4	250	17.0	74	73
S4218	0.3	250	11.3	81	75
S4219	0.1	250	3.2	90	78
S4220	6.1	266	230.0	73	71
S4221	0.9	250	34.7	71	71
S4222	0.1	250	5.7	72	71
S4223	0.3	250	11.7	71	71
S4224	2.8	272	101.8	74	72
S4225	0.3	250	10.2	76	73
S4226	1.7	250	67.4	72	71
S4227	0.4	250	16.5	71	71
S4229	0.1	250	2.7	88	78
S4230	0.1	250	2.5	88	78
S4231	0.5	250	21.5	72	71
S4232	7.1	250	282.1	72	73
S4233	1.0	250	38.9	73	72
S4234	0.0	250	0.6	89	78
S4237	0.9	295	29.6	75	72
S4238	0.5	306	16.9	76	73
S4239	0.5	320	14.1	75	73
S4240	0.7	274	26.2	72	71
S4241	0.4	250	17.3	73	72
S4242	0.5	250	18.7	74	72
S4243	0.2	250	7.5	77	73
S4244	0.7	250	27.1	70	70
S4245	2.2	279	77.1	73	71
S4246	1.2	281	41.9	73	72
S4247	0.6	394	14.5	79	74
S4248	0.7	250	26.4	70	72
S4249	1.6	250	64.9	70	72

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1108	0.5	250	21.9	22	60
S1109	8.6	250	343.7	61	65
S1110	0.2	250	6.9	66	68
S1111	1.0	250	40.0	65	70
S1112	0.6	250	25.2	66	70
S1113	0.1	262	5.6	68	71
S1115	13.7	258	530.9	68	71
S1116	0.4	333	11.7	74	73
S1117	2.7	250	109.2	67	70
S1118	3.2	250	126.8	68	71
S1119	4.3	250	172.3	67	71
S1120	5.9	250	234.8	64	72
S1121	0.2	250	7.4	67	70
S1122	0.4	250	14.8	66	70
S1123	0.3	250	10.9	66	70
S1124	2.9	250	114.3	67	72
S1125	0.4	250	15.2	67	70
S1126	0.9	250	34.9	66	70
S1127	0.2	250	9.7	63	69
S1128	0.3	250	11.2	65	70
S1129	0.2	250	8.1	65	70
S1131	1.6	250	63.0	65	70
S1133	0.5	250	20.8	69	71
S1132	0.4	250	17.0	69	71
S1134	0.5	250	19.8	64	70
S1135	0.7	250	28.5	68	71
S1136	0.8	250	33.0	67	70
S1137	1.1	250	43.2	63	69
S1138	0.5	250	18.3	61	69
S1139	0.5	250	18.4	61	68
S1140	0.6	250	22.7	61	68
S1141	0.1	250	4.5	65	70
S1142	0.5	250	21.5	63	69
S1146	0.8	512	14.8	65	70
S1148	0.4	250	14.2	64	69
S1149	2.9	250	116.3	69	73
S1150	0.7	250	26.4	75	73
S1151	0.8	250	32.1	71	71
S1152	0.9	250	37.9	61	68
S1153	0.2	250	9.0	62	69
S1155	0.6	250	22.2	67	70
S1156	2.4	250	97.5	66	70
S1157	0.3	250	11.8	76	73
S1158	0.3	250	12.7	71	72
S1159	1.9	250	76.9	67	70
S1160	2.1	250	85.8	64	70
S1161	0.3	250	10.1	63	69
S1162	0.8	250	31.5	68	71
S1163	1.3	250	50.9	67	70
S1164	2.9	250	116.9	67	70
S1165	1.2	250	48.6	63	70
S1166	1.8	250	70.8	79	74
S1167	2.2	250	89.8	76	73
S1168	0.0	250	2.0	90	78
S1169	1.2	250	47.6	85	76
S1170	6.8	250	273.1	67	68
S1171	6.8	250	272.8	66	73
S1172	5.3	250	211.2	66	73
S1173	0.3	250	10.6	67	70
S1174	0.2	250	7.4	45	65
S1175	0.2	250	6.4	49	66
S1176	0.9	250	34.4	70	74
S1177	1.4	250	58.0	52	70
S1178	0.1	250	5.1	56	68
S1179	0.7	250	27.1	65	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4250	0.7	250	27.6	74	72
S4251	0.3	250	13.4	73	72
S4252	5.2	250	206.6	72	72
S4253	0.5	250	21.7	72	71
S4254	2.6	250	104.0	71	73
S4255	2.3	250	90.7	72	73
S4257	2.2	250	88.1	73	74
S4258	1.0	250	41.9	72	73
S4259	1.7	250	68.4	71	73
S4260	1.4	250	55.0	72	73
S4261	1.2	250	48.1	72	73
S4262	0.6	250	24.0	71	74
S4263	0.2	250	7.8	77	76
S4264	0.7	254	28.6	71	73
S4265	0.4	250	14.5	74	74
S4266	2.1	250	83.3	71	73
S4267	0.8	250	31.6	74	74
S4268	0.2	250	7.4	87	78
S4269	0.0	250	0.7	90	78
S4270	2.0	250	81.5	74	74
S4271	0.3	250	10.3	73	74
S4272	0.9	250	35.3	73	73
S4273	1.1	250	43.4	71	71
S4274	1.7	250	66.3	70	71
S4275	0.7	250	28.2	71	73
S4276	0.4	250	16.6	72	73
S4277	0.8	243	31.7	73	72
S4279	0.2	250	8.6	77	73
S4280	0.8	250	30.6	73	74
S4281	0.6	434	12.9	81	76
S4282	0.2	250	8.3	78	75
S4283	0.9	250	34.9	71	73
S4284	0.9	356	24.5	80	76
S4285	0.6	250	25.6	74	74
S4286	0.6	250	24.0	75	72
S4287	0.2	250	8.6	81	75
S4288	0.0	250	1.0	90	78
S4289	0.0	250	0.8	90	78
S4290	0.9	250	36.4	72	73
S4291	1.4	250	55.8	71	73
S4292	1.7	250	66.4	71	73
S4293	0.9	250	34.9	72	73
S4294	0.9	250	35.7	83	75
S4295	0.0	250	0.9	90	78
S4296	0.0	250	1.9	90	78
S4297	0.0	250	0.4	90	78
S4299	1.3	250	53.7	86	77
S4300	2.7	250	106.6	72	73
S4301	2.5	250	99.7	71	73
S4302	1.6	250	62.6	72	73
S4303	0.2	250	7.0	89	78
S4304	0.1	250	5.4	87	78
S4305	0.4	250	14.6	77	75
S4306	0.7	250	28.9	74	74
S4308	1.5	388	38.0	77	75
S4307	1.4	398	35.6	75	74
S4313	7.6	409	185.7	78	75
S4314	3.4	250	136.3	53	72
S4315	0.2	250	6.3	88	78
S4316	0.0	250	0.3	90	78
S4317	0.0	250	2.0	87	78
S4325	0.3	300	9.8	60	75
S4326	0.6	260	24.5	60	75
S4327	1.0	250	40.5	68	74
S4329	0.5	258	21.0	61	72

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1180	0.7	250	26.7	57	70
S1182	0.2	522	4.1	78	76
S1183	1.0	256	39.7	59	72
S1184	0.4	250	14.8	59	72
S1185	0.4	341	11.8	58	72
S1187	1.4	250	57.5	71	72
S1188	0.4	250	16.9	66	70
S1189	4.0	250	161.5	67	71
S1190	5.9	250	234.6	66	71
S1191	1.3	250	50.8	67	71
S1192	3.6	250	144.1	62	69
S1193	0.6	250	24.4	70	71
S1194	0.7	250	28.7	61	68
S1195	0.3	250	13.6	62	69
S1196	0.5	250	21.1	69	71
S1197	0.5	250	19.6	67	70
S1198	0.4	250	17.0	69	71
S1199	0.4	250	15.1	70	71
S1200	0.3	250	13.9	64	70
S1201	0.2	250	8.2	66	70
S1202	0.4	250	14.4	63	69
S1203	3.7	250	148.5	67	70
S1206	0.7	256	27.0	69	71
S1207	3.6	250	142.9	67	70
S1208	1.8	251	72.7	69	71
S1209	0.8	250	32.8	64	69
S1204	7.0	250	278.1	67	70
S1211	8.0	250	319.8	61	70
S1215	2.9	250	116.6	63	66
S1216	11.1	262	424.2	60	68
S1218	0.5	250	21.3	54	67
S1219	0.4	250	16.6	65	70
S1220	0.3	250	10.9	68	71
S1221	2.0	250	81.9	66	71
S1222	0.0	250	1.4	90	78
S1223	0.3	250	10.4	67	70
S1224	0.2	250	8.1	66	70
S1225	0.1	250	5.4	69	71
S1226	0.3	250	10.1	67	71
S1227	1.8	250	71.0	66	72
S1228	0.0	250	0.3	89	78
S1229	0.0	250	0.7	86	77
S1230	1.9	250	77.9	58	70
S1231_1	2.1	250	84.1	51	67
S1231_2	4.4	250	174.2	52	67
S1231	6.4	250	254.0	54	64
S1232	1.9	250	75.9	65	70
S1233	0.0	250	1.5	89	78
S1234	0.1	250	5.4	75	73
S1235	0.2	250	9.8	67	70
S1236	0.3	250	11.9	76	73
S1237	0.2	250	9.6	64	69
S1238	0.0	250	0.8	89	78
S1239	1.1	250	45.6	61	68
S1240	0.4	250	16.4	64	69
S1241	0.5	250	21.4	65	70
S1242	0.5	250	21.0	66	68
S1243	0.2	250	9.3	57	61
S1244	6.7	250	268.9	45	65
S1246	0.4	250	14.7	62	69
S1247	1.1	250	42.7	67	71
S1248	0.0	250	0.5	47	67
S1249	0.1	250	5.8	12	58
S1250	7.3	251	291.1	65	71
S1251	0.1	250	3.1	6	56

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4334	0.4	265	15.9	71	76
S4335	0.3	300	9.0	60	75
S4340	0.0	250	2.0	64	73
S4341	0.1	271	5.1	65	73
S4342	0.2	367	4.3	72	75
S4343	0.2	250	7.3	72	74
S4344	0.9	250	36.6	67	73
S4345	0.1	250	5.2	61	72
S4348	0.0	250	0.8	89	78
S4350	0.2	250	6.9	64	73
S4351	0.1	250	3.4	63	73
S4352	0.1	272	3.3	66	73
S4353	0.2	264	8.3	65	73
S4355	1.6	250	65.7	62	73
S4363	1.6	250	63.5	66	73
S4364	0.0	250	1.6	87	78
S4365	0.1	250	2.5	87	78
S4366	0.0	250	1.9	45	74
S4370	2.8	250	113.0	80	74
S4371	0.9	250	35.3	63	73
S4372	1.7	250	68.2	59	72
S4373	0.8	250	33.2	83	76
S4374	0.5	250	22.0	81	75
S4375	0.5	250	20.8	80	75
S4377	0.0	250	1.6	89	78
S4378	0.1	250	3.0	90	78
S4379	0.6	250	22.1	89	78
S1049	0.8	250	31.7	68	74
S4380	0.2	250	7.1	89	78
S4376	0.3	250	10.8	90	78
S4381	0.2	250	6.5	89	78
S4382	0.0	250	1.6	90	78
S4383	2.0	262	78.1	82	76
S4384	1.7	263	64.8	89	78
S4387	1.4	250	55.5	90	78
S4388	0.3	250	10.4	90	78
S4389	0.3	250	11.7	90	78
S4391	2.5	250	98.2	2	63
S4392	1.0	409	25.4	65	70
S4393	0.5	250	20.7	69	71
S4394	0.4	250	15.8	69	71
S4395	0.6	250	23.9	62	69
S4396	0.2	250	6.2	88	78
S4397	0.3	250	10.4	67	71
S4398	0.1	250	5.1	76	74
S4399	0.0	250	1.6	81	76
S4400	0.1	250	2.1	85	77
S4401	2.0	250	81.3	61	71
S4404	1.6	312	51.9	60	68
S4406	0.3	250	12.8	81	74
S4407	0.6	250	24.0	82	75
S4409	0.1	250	3.3	89	78
S4410	0.6	250	22.8	81	74
S4411	0.1	250	5.2	87	77
S4412	0.0	250	0.3	90	78
S4414	0.2	250	9.0	18	59
S4415	0.3	250	10.8	68	71
S4416	0.0	250	0.7	88	77
S4418	0.0	250	0.8	90	78
S4420	0.0	250	0.5	89	78
S4421	0.0	250	1.4	86	77
S4422	0.2	250	7.3	74	72
S4424	0.5	250	19.9	81	74
S4425	3.1	250	122.9	65	70
S4428	1.3	250	50.7	50	67

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1252	1.9	250	76.9	67	73
S1255	0.1	250	4.5	90	78
S1256	0.1	250	4.4	90	78
S1257	0.6	250	24.9	65	70
S1258	0.6	250	22.6	47	66
S1259	0.2	250	9.6	17	59
S1260	0.7	250	29.5	65	71
S1262	0.8	250	30.7	66	73
S1261	0.5	250	18.4	74	75
S1263	0.6	250	25.4	60	72
S1264	0.7	250	28.9	61	73
S1265	5.5	250	219.5	55	71
S1266	0.1	250	3.0	64	73
S1267	0.0	250	0.4	90	78
S1268	0.8	250	30.8	64	73
S1269	0.5	250	21.8	66	74
S1270	0.7	250	28.0	65	72
S1272	0.1	250	5.4	68	72
S1273	0.2	250	7.5	56	72
S1274	0.3	250	11.3	67	67
S1275	1.1	330	32.1	70	71
S1278	7.8	274	284.6	64	72
S1280	0.2	250	7.6	70	73
S1281	4.5	250	180.3	67	70
S1282	0.4	250	16.5	69	71
S1283	5.1	250	204.2	44	66
S1284	1.3	250	50.4	66	70
S1285	2.8	276	103.2	68	71
S1286	0.8	250	31.1	66	72
S1287	0.5	250	20.0	66	73
S1288	0.3	250	11.9	66	73
S1289	0.2	250	9.0	88	78
S1290	0.0	250	0.3	85	77
S1291	0.1	250	2.1	90	78
S1292	1.0	290	34.6	37	67
S1293	0.6	305	20.7	69	71
S1294	1.0	303	32.9	69	71
S1295	1.1	305	35.6	70	71
S1296	1.0	308	31.4	70	73
S1297	0.3	250	11.7	69	74
S1298	2.8	250	112.8	65	73
S1299	0.5	250	18.9	68	74
S1300	0.3	250	11.1	69	74
S1301	0.3	250	12.4	71	74
S1302	2.7	250	108.5	69	74
S1303	0.3	250	12.2	67	73
S1304	0.4	250	15.0	65	73
S1305	2.1	250	82.2	67	73
S1306	0.4	250	16.0	63	73
S1307	0.7	250	29.8	66	73
S1308	0.5	250	19.5	64	73
S1309	0.3	250	13.5	67	74
S1310	1.3	250	50.9	66	73
S1311	0.1	250	3.9	88	78
S1312	0.1	250	4.8	89	78
S1313	0.4	250	15.8	66	73
S1314	0.2	250	9.6	69	74
S1315	0.7	250	27.8	70	74
S1316	0.0	250	0.3	90	78
S1317	1.3	250	51.1	67	74
S1318	0.1	250	3.0	69	74
S1319	0.1	250	2.0	66	73
S1320	2.0	250	81.3	68	74
S1321	1.4	337	42.9	72	75
S1322	1.0	250	38.5	67	74

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4429	0.8	250	31.3	52	66
S4430	0.3	250	10.3	29	61
S4431	7.1	250	283.8	2	40
S4432	0.7	250	26.9	18	47
S4433	0.3	250	10.8	32	53
S4434	0.5	250	21.5	68	66
S4435	0.1	250	5.2	69	66
S4436	0.1	250	5.8	89	78
S4437	0.0	250	0.1	89	78
S4438	0.3	250	12.2	83	73
S4439	0.4	250	15.0	83	74
S4440	0.0	250	1.2	40	58
S4441	2.4	250	97.5	46	61
S4443	1.4	250	55.9	60	66
S4444	0.8	250	31.6	60	68
S4445	0.0	250	0.5	90	78
S4446	0.0	250	1.9	90	78
S4447	0.0	250	0.2	89	78
S4448	0.3	250	13.8	62	69
S4449	0.0	250	0.2	90	78
S4450	0.1	250	2.0	89	78
S4451	0.3	250	10.8	66	70
S4452	1.4	341	41.8	77	73
S4453	0.0	250	0.2	90	78
S4454	0.2	248	8.4	89	78
S4455	0.1	250	3.9	89	78
S4456	0.0	250	0.1	90	78
S4458	0.1	250	2.5	89	78
S4459	0.1	250	2.9	90	78
S4460	0.0	250	2.0	90	78
S4461	0.1	250	2.7	88	78
S4462	0.1	250	4.6	90	78
S4463	0.3	250	11.6	78	75
S4464	0.0	250	1.5	88	78
S4465	0.0	250	1.8	90	78
S4466	0.2	250	8.6	89	78
S4467	3.2	250	126.7	0	55
S4468	0.4	250	16.4	24	61
S4469	0.3	250	11.1	13	58
S4470	0.3	250	12.8	12	58
S4471	0.4	250	14.1	11	58
S4472	0.4	250	17.0	10	58
S4473	0.6	250	23.5	9	57
S4474	0.6	250	22.9	5	56
S4475	0.2	250	6.1	88	77
S4477	0.1	267	1.9	90	78
S4478	0.3	250	10.5	14	59
S4479	0.3	250	10.8	69	71
S4481	1.1	250	45.0	60	68
S4482	1.1	250	44.5	60	68
S4483	1.6	250	64.7	64	74
S4485	0.5	250	18.6	60	68
S4486	0.0	250	0.6	67	70
S4487	1.1	250	44.5	60	68
S4488	0.4	250	16.5	75	70
S4489	0.6	250	22.0	77	74
S4490	0.0	250	0.3	75	73
S4491	0.9	250	36.4	64	69
S4492	0.0	250	1.9	81	75
S4493	0.2	250	9.7	70	71
S4494	0.1	250	3.5	88	78
S4496	0.5	250	18.2	61	68
S4497	0.0	250	1.6	90	78
S4498	1.5	250	58.4	64	70
S4499	1.6	250	63.8	5	60

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1323	2.3	250	91.7	67	74
S1324	0.0	250	0.1	90	78
S1325	2.7	250	106.0	68	74
S1326	0.2	250	6.4	70	74
S1327	4.1	250	164.2	62	72
S1328	3.7	275	135.3	68	74
S1329	0.1	250	3.3	72	74
S1330	0.2	250	8.7	70	74
S1331	0.6	250	25.2	66	73
S1332	0.7	250	28.2	67	73
S1333	0.3	250	13.1	54	71
S1334	2.2	285	78.5	69	74
S1335	2.5	250	101.4	66	73
S1336	0.0	250	0.4	90	78
S1337	0.7	250	29.7	66	73
S1338	0.8	250	33.3	65	73
S1339	3.3	250	132.8	64	73
S1340	0.0	250	0.1	90	78
S1341	4.3	250	170.2	66	71
S1342	1.9	250	77.0	66	70
S1343	0.3	250	13.1	69	71
S1344	0.2	250	7.6	63	69
S1345	0.3	250	10.8	70	74
S1346	0.3	250	13.2	67	73
S1347	0.1	250	4.6	67	74
S1349	5.7	250	228.9	47	70
S1350	0.3	250	11.8	64	73
S1351	2.4	250	94.1	67	74
S1352	0.4	250	17.4	69	74
S1353	0.0	250	0.4	90	78
S1355	0.3	250	13.6	67	74
S1356	0.6	250	24.4	67	74
S1357	0.1	250	3.5	69	74
S1358	1.6	250	62.1	67	73
S1359	0.5	250	19.1	67	73
S1361	0.8	250	31.4	88	78
S1362	0.1	250	5.5	89	78
S1363	2.2	250	87.9	67	74
S1364	0.1	250	2.6	89	78
S1365	0.1	250	2.9	88	78
S1366	4.5	250	178.5	66	73
S1367	2.6	250	103.8	68	74
S1368	0.3	250	10.6	70	74
S1370	4.9	233	210.7	25	67
S1371	0.4	250	15.5	68	74
S1372	0.3	250	10.4	67	73
S1373	0.6	250	22.6	67	74
S1374	0.6	250	25.4	66	73
S1375	0.6	250	25.4	70	74
S1376	0.4	250	15.1	65	73
S1378	0.5	251	18.9	69	74
S1354	0.5	250	19.4	68	74
S1379	0.0	250	0.7	90	78
S1380	0.4	250	16.9	68	74
S1382	0.1	250	3.7	70	74
S1383	0.0	250	0.3	90	78
S1384	0.3	250	11.4	66	73
S1385	1.5	250	60.5	68	74
S1386	0.2	250	6.8	63	73
S1387	0.1	267	4.0	72	74
S1388	0.6	250	22.9	68	74
S1389	0.6	250	24.2	69	74
S1390	2.5	250	100.3	67	74
S1391	0.1	250	4.0	71	74
S1392	0.1	250	4.1	71	74

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4500	0.2	250	8.7	14	63
S4501	0.0	250	0.9	90	78
S4502	0.0	250	0.8	90	78
S4503	0.0	250	0.3	90	78
S4504	0.0	250	0.7	90	78
S4505	0.1	286	3.5	90	78
S4506	0.7	250	28.6	73	74
S4507	0.4	250	16.0	90	78
S4508	0.4	250	14.3	90	78
S4509	0.4	250	15.4	90	78
S4510	0.3	250	11.6	89	78
S4511	0.1	250	3.3	83	76
S4512	0.3	250	10.3	51	72
S4513	0.5	250	18.9	61	70
S4514	0.1	250	3.3	87	77
S4515	0.0	250	0.6	88	78
S4517	0.0	250	1.8	90	78
S4518	0.0	250	0.4	90	78
S4519	0.0	250	0.6	89	78
S4520	0.0	250	0.6	89	78
S4521	0.0	250	0.1	90	78
S4522	0.1	250	4.3	19	66
S4523	0.0	250	0.6	90	78
S4524	0.0	250	0.2	90	78
S4525	3.2	251	127.0	0	63
S4526	0.8	250	33.1	1	63
S4527	0.1	250	3.5	0	63
S4528	0.0	250	1.9	6	64
S4529	0.0	250	0.7	13	65
S4530	0.0	250	1.4	0	63
S4531	0.0	250	1.9	1	63
S4532	0.1	250	5.8	0	63
S4533	1.1	250	44.6	0	63
S4534	0.0	250	0.2	90	78
S4535	0.1	250	3.8	9	65
S4536	0.2	250	7.0	7	64
S4537	0.1	250	5.9	5	64
S4540	1.0	250	40.7	73	76
S4542	0.2	250	6.6	1	63
S4543	0.1	250	2.6	1	63
S4545	0.2	541	3.0	32	68
S4546	0.1	250	2.0	1	63
S4547	0.0	250	0.1	0	63
S4548	0.0	250	1.0	62	73
S4551	0.0	250	1.7	10	65
S4552	0.0	250	0.9	90	78
S4553	0.1	260	2.3	89	78
S4556	0.1	273	4.8	67	73
S4559	0.7	256	28.9	60	71
S4564	0.0	250	0.4	90	78
S4565	0.0	250	0.5	90	78
S4566	0.1	250	2.7	89	78
S4567	0.4	259	16.4	4	64
S4568	0.1	250	4.2	82	76
S4569	2.4	250	95.3	1	55
S4570	0.1	250	3.4	90	78
S4571	0.1	250	3.4	89	78
S4572	0.1	250	3.2	87	78
S4573	0.0	250	0.2	90	78
S4574	0.5	250	21.9	6	57
S4575	0.3	250	10.9	11	57
S4576	0.0	250	0.2	43	66
S4577	0.4	250	14.4	24	60
S4578	0.4	250	14.0	90	78
S4579	0.1	250	3.8	90	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1393	1.4	250	56.2	48	75
S1394	0.2	250	6.7	76	75
S1395	0.5	250	19.3	66	73
S1396	0.3	250	13.7	68	74
S1397	0.4	250	14.2	66	73
S1398	0.5	250	20.7	68	74
S1399	0.3	250	11.3	66	73
S1400	0.2	250	7.7	72	75
S1401	0.1	250	3.0	68	74
S1402	0.0	250	0.5	90	78
S1403	0.4	250	17.4	75	75
S1406	0.1	250	3.8	69	71
S1407	0.3	250	13.7	54	67
S1408	0.6	250	25.5	66	72
S1409	0.5	250	20.3	65	70
S1410	0.3	250	11.7	64	70
S1411	0.4	250	15.3	69	71
S1412	0.7	250	26.7	65	73
S1413	0.1	250	3.5	68	74
S1414	0.4	250	16.5	69	74
S1415	0.3	250	11.6	72	75
S1416	4.4	250	176.3	66	73
S1417	2.9	245	118.9	67	74
S1418	1.2	250	46.8	64	73
S1419	5.5	250	218.7	64	73
S1420	0.1	250	5.8	82	77
S1421	3.7	250	147.9	67	73
S1422	0.3	250	11.0	72	75
S1423	0.8	250	31.6	67	73
S1424	0.2	250	9.5	70	74
S1425	0.5	250	21.3	68	74
S1426	0.5	250	21.5	66	73
S1427	0.9	250	34.7	67	70
S1428	1.2	250	47.5	67	72
S1429	0.3	250	10.5	63	69
S1430	0.9	250	34.0	65	70
S1431	0.5	250	20.4	66	70
S1432	0.0	250	0.8	90	78
S1433	0.0	250	0.9	90	78
S1434	3.6	292	124.8	65	70
S1436	2.8	250	111.5	68	74
S1437	4.8	250	191.3	69	74
S1438	0.3	250	13.3	68	74
S1439	0.1	250	3.3	67	74
S1440	2.2	250	87.9	68	74
S1441	12.2	250	488.5	61	72
S1442	10.3	250	411.1	67	73
S1443	0.2	250	7.6	70	74
S1444	0.5	250	21.5	66	73
S1445	10.2	250	408.2	69	73
S1446	0.0	250	0.3	90	78
S1447	0.7	250	27.9	65	73
S1448	0.0	250	1.7	89	78
S1449	0.3	250	12.6	67	74
S1450	4.5	250	179.0	43	67
S1451	7.6	250	305.6	17	66
S1452	0.1	250	4.4	69	71
S1454	0.4	250	14.2	72	75
S1456	6.8	250	273.3	68	74
S1457	7.2	250	289.9	67	73
S1458	0.1	250	3.5	64	73
S1459	0.6	250	25.4	67	73
S1460	0.3	250	13.5	60	72
S1461	0.1	250	3.1	60	72
S1462	2.0	250	81.5	68	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4581	0.2	250	7.7	85	77
S4582	0.1	250	4.6	87	77
S4583	1.3	250	52.7	1	63
S4584	1.0	250	38.0	6	64
S4585	0.0	250	0.4	3	64
S4586	3.7	250	147.6	44	70
S4587	0.0	250	0.0	38	64
S4367	1.1	250	43.1	2	67
S4368	0.0	250	0.7	1	71
S4589	0.6	250	22.7	9	59
S4590	0.0	250	0.6	90	78
S4591	1.0	250	40.9	6	57
S4592	0.0	250	0.1	90	78
S4593	0.0	250	0.9	7	64
S4594	0.9	250	34.4	6	63
S4596	0.3	250	10.0	90	78
S4597	0.1	250	4.2	89	78
S4598	0.0	250	0.1	90	78
S4600	1.2	250	49.3	1	61
S4601	1.6	250	65.7	2	63
S4599	0.5	250	19.8	5	64
S4603	7.9	250	314.1	38	68
S4604	2.7	250	108.7	60	73
S4605	0.2	250	7.1	86	77
S4607	0.0	250	1.6	6	57
S4608	0.0	250	1.9	23	61
S4609	0.2	250	6.8	81	76
S4610	1.3	250	51.9	3	56
S4611	0.3	340	8.7	2	56
S4612	0.0	250	0.8	5	61
S4614	5.4	252	216.0	31	62
S4615	3.9	250	157.2	1	55
S4616	0.0	250	0.7	58	68
S4617	1.0	250	39.3	0	55
S4618	2.2	250	88.4	1	55
S4619	0.8	250	33.8	1	55
S4621	2.8	250	113.6	1	65
S4622	7.7	250	307.1	3	59
S4623	5.2	250	206.3	26	63
S4625	2.4	256	94.1	52	68
S4626	2.6	250	102.2	1	56
S4627	0.0	250	0.8	58	68
S4628	1.3	250	52.6	20	62
S4629	0.6	250	22.4	1	55
S4630	0.0	250	0.3	29	63
S4633	0.1	793	1.4	60	72
S4634	0.4	250	15.1	3	64
S4635	0.4	250	14.6	68	74
S4636	0.0	250	0.2	90	78
S4637	1.0	250	40.0	3	64
S4639	0.5	835	5.6	53	72
S4640	0.2	250	6.4	36	73
S4641	0.3	250	10.9	29	70
S4642	3.0	292	102.9	42	69
S4643	0.0	250	0.1	35	69
S4644	1.8	250	72.6	0	65
S4645	2.2	250	88.6	1	65
S4646	5.0	1097	45.4	43	70
S4658	8.1	250	323.2	17	61
S4659	2.0	249	78.8	60	71
S4661	0.1	436	2.5	90	78
S4662	0.1	436	2.0	88	78
S4664	0.1	250	5.7	89	78
S4665	0.3	250	12.3	23	61
S4666	0.1	250	2.7	89	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1463	0.0	250	1.7	88	78
S1464	0.5	250	19.4	67	70
S1465	0.3	250	13.3	63	70
S1466	0.5	250	18.0	63	69
S1467	0.1	250	2.6	71	72
S1468	0.3	250	11.0	68	71
S1469	1.1	247	43.1	37	63
S1470	0.0	250	0.3	90	78
S1472	4.6	250	183.7	65	70
S1473	0.1	250	4.2	62	69
S1474	4.4	250	174.0	79	76
S1475	10.2	250	408.9	67	72
S1477	1.9	250	77.1	29	62
S1478	0.2	250	7.6	52	68
S1479	0.9	250	34.4	4	56
S1480	0.5	250	20.1	8	57
S1481	3.7	250	148.6	62	70
S1483	0.9	250	37.8	63	73
S1484	5.4	250	217.8	67	74
S1485	0.1	250	4.2	75	75
S1486	1.8	250	73.6	69	74
S1487	0.7	250	29.0	68	74
S1488	0.7	250	28.5	67	73
S1490	0.6	250	22.7	66	73
S1491	0.1	250	5.5	61	72
S1489	1.4	250	57.8	66	73
S1492	0.4	250	15.1	67	73
S1493	0.1	250	3.7	71	74
S1494	1.2	250	49.3	68	74
S1495	0.4	250	16.9	69	74
S1496	0.0	250	0.3	90	78
S1497	0.3	250	13.9	72	74
S1498	0.4	250	17.3	66	73
S1499	0.5	250	20.3	75	75
S1500	0.8	250	30.7	77	75
S1501	0.5	250	21.1	60	72
S1502	0.3	250	12.9	75	75
S1503	0.4	250	15.0	13	65
S1504	0.0	250	1.2	76	76
S1506	0.8	250	33.3	67	74
S1507	0.6	250	22.9	68	74
S1508	0.9	250	34.7	66	73
S1509	0.3	250	11.6	65	73
S1510	3.4	250	135.6	68	74
S1511	8.3	250	332.6	60	72
S1513	1.3	250	51.3	74	75
S1514	5.0	250	199.4	70	74
S1516	2.0	250	78.9	67	66
S1517	4.6	250	183.6	65	66
S1518	2.5	250	101.8	65	73
S1519	0.5	250	20.9	69	74
S1520	0.3	250	13.8	67	69
S1521	0.5	250	21.5	71	69
S1522	0.5	250	18.9	67	66
S1523	0.4	250	17.7	66	65
S1524	0.2	250	7.7	69	67
S1525	0.9	252	35.3	56	62
S1526	0.4	250	14.5	65	64
S1527	0.4	250	17.0	66	65
S1528	2.9	250	115.8	67	72
S1529	0.4	250	15.7	69	67
S1530	0.3	250	12.6	67	68
S1531	0.2	250	9.1	66	73
S1532	0.3	250	10.7	69	74
S1533	1.0	250	39.4	65	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4668	5.8	250	233.4	42	62
S4669	0.3	250	10.4	8	60
S4670	13.9	250	554.5	7	56
S4671	1.5	250	58.3	36	67
S4673	6.0	250	239.7	37	68
S3009	0.1	250	4.2	88	78
S4674	2.4	250	96.8	15	65
S4675	0.1	250	3.9	70	74
S4676	0.7	250	29.6	1	63
S4677	0.0	250	0.2	61	73
S4678	1.7	250	68.6	1	56
S4680	0.1	250	2.1	88	78
S4681	0.7	250	28.5	57	70
S4682	0.1	250	5.1	60	76
S4683	0.1	250	5.6	45	75
S4684	0.3	250	12.1	63	76
S4685	0.1	250	2.5	53	76
S4686	0.2	250	7.7	79	78
S4687	0.1	250	4.7	87	78
S4688	0.1	250	3.2	75	77
S4689	0.2	250	9.1	69	77
S4691	0.9	459	19.0	67	77
S4693	5.2	334	154.7	50	75
S4694	3.2	259	125.5	70	73
S4696	0.3	250	12.9	71	71
S4697	0.0	250	1.1	89	78
S4698	0.0	250	0.5	72	71
S4700	0.2	250	7.9	85	78
S4701	0.8	250	33.7	61	70
S4704	0.8	255	32.7	60	70
S4706	0.2	783	2.9	69	71
S4708	0.0	250	0.2	77	74
S4709	1.5	250	60.3	60	62
S4712	0.0	250	0.0	90	78
S4713	0.9	250	37.9	60	63
S4714	0.2	250	9.2	60	65
S4715	1.9	250	77.2	60	66
S4716	0.7	250	26.2	4	51
S4717	0.0	250	1.2	53	69
S4718	0.0	250	0.1	90	78
S4719	0.0	250	0.3	87	77
S4720	0.0	250	1.0	75	72
S4721	0.0	250	0.2	90	78
S4722	0.0	250	0.1	90	78
S4036	0.1	250	2.0	88	78
S4723	1.4	250	57.9	1	51
S4724	0.4	250	17.9	36	52
S4726	0.2	250	6.5	46	57
S4727	0.0	250	1.4	52	59
S4728	0.0	250	1.4	3	40
S4729	0.0	250	1.2	0	52
S4730	0.6	250	25.2	6	53
S4731	11.9	250	475.0	1	49
S4732	18.5	250	739.5	18	54
S4733	11.5	250	458.4	55	69
S4734	0.1	250	2.6	74	73
S4735	0.2	250	9.7	0	67
S4736	0.9	250	37.4	0	66
S4737	0.0	250	1.0	86	78
S4738	0.5	250	18.7	60	64
S4739	4.5	250	180.8	89	78
S4740	0.2	250	6.2	86	77
S4741	0.2	250	9.9	87	77
S4742	0.0	250	0.2	88	77
S4743	0.1	250	2.3	90	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1534	0.4	250	15.0	67	73
S1535	0.1	250	2.3	71	74
S1536	0.2	250	7.5	69	74
S1537	1.5	250	61.1	66	73
S1538	0.3	250	10.6	65	73
S1539	0.9	250	34.5	67	73
S1540	2.2	250	86.3	70	65
S1541	4.6	250	184.0	72	67
S1542	0.6	250	23.3	70	65
S1543	2.0	250	81.4	72	66
S1544	2.1	250	82.5	77	70
S1545	0.1	250	3.6	88	77
S1546	4.5	250	179.0	38	69
S1547	0.1	250	4.1	87	76
S1548	0.1	250	5.3	89	78
S1549	0.1	250	5.0	90	78
S1550	0.2	250	9.2	90	78
S1551	0.0	250	1.9	90	78
S1552	0.0	250	0.8	90	78
S1553	10.8	250	432.5	56	61
S1554	4.6	250	184.9	43	61
S1555	0.6	250	23.6	66	73
S1556	0.2	250	7.3	65	70
S1557	2.0	250	79.7	70	73
S1558	9.5	250	379.0	45	64
S1559	0.3	250	13.7	67	71
S1560	0.3	250	11.5	68	73
S1561	0.5	250	18.0	65	73
S1564	1.5	255	58.6	66	73
S1565	0.3	250	11.3	67	70
S1566	0.5	250	19.4	69	71
S1567	0.0	250	0.6	90	78
S1568	1.7	250	69.9	67	71
S1569	0.0	250	1.0	90	78
S1572	0.1	357	3.1	64	73
S1574	0.5	250	18.2	81	74
S1575	0.1	250	4.2	90	78
S1576	0.1	250	4.1	76	74
S1577	0.6	250	25.7	67	73
S1578	5.0	250	201.3	67	68
S1579	0.4	261	16.6	69	72
S1580	0.4	250	17.7	71	72
S1581	5.7	250	227.0	55	66
S1582	3.6	250	142.2	66	70
S1583	3.0	250	121.1	65	70
S1584	0.8	250	31.0	67	71
S1585	7.4	250	294.5	67	71
S1586	0.1	250	2.8	87	77
S1587	2.9	250	117.1	67	71
S1588	0.9	250	36.2	67	70
S1589	1.3	250	52.5	67	71
S1590	0.4	250	17.4	67	70
S1591	4.2	250	168.6	66	71
S1592	0.5	255	18.8	67	72
S1594_1	0.3	250	11.5	72	68
S1594_2	7.7	250	308.5	68	70
S1594	0.3	250	13.2	74	70
S1595	1.0	250	41.8	63	63
S1596	2.1	250	83.2	66	66
S1597	11.8	250	472.9	23	61
S1598	1.5	250	61.1	63	69
S1599	0.7	250	28.1	63	69
S1600	0.8	250	32.6	66	70
S1602	0.5	250	20.2	63	70
S1603	0.3	250	10.1	63	70

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4744	2.4	250	96.0	87	78
S4745	0.0	250	1.1	82	74
S4746	0.0	250	1.0	90	78
S4061	1.3	250	52.7	80	74
S4747	3.0	250	121.2	70	73
S4748	4.7	250	188.3	70	73
S4749	0.2	250	7.8	90	78
S4750	0.2	250	8.8	90	78
S4751	0.3	250	10.9	90	78
S4752	0.9	250	36.5	62	64
S4753	0.0	250	0.8	81	75
S4754	0.0	250	1.3	71	68
S4755	0.8	250	33.5	58	68
S4758	0.0	250	1.9	5	41
S4759	0.5	250	18.9	57	63
S4760	1.8	250	72.2	29	52
S4761	0.7	250	27.7	60	68
S4762	0.1	250	3.3	86	77
S4763	0.0	250	0.2	15	59
S4764	2.3	250	92.1	1	43
S4765	1.6	250	62.8	17	50
S4767	0.0	250	1.8	90	78
S4768	0.2	250	6.5	90	78
S4769	0.2	250	6.8	90	78
S4770	0.3	250	10.1	89	78
S4771	0.3	250	12.1	88	77
S4772	0.1	250	4.3	90	78
S4773	6.4	270	236.3	69	68
S4774	1.9	250	74.4	10	53
S4775	0.6	250	24.6	1	41
S4776	0.7	250	26.6	1	55
S4778	0.8	254	29.6	3	53
S4779	0.0	250	1.7	14	78
S4780	0.0	250	1.5	71	78
S4781	0.7	250	29.2	90	78
S4782	0.2	250	7.6	90	78
S4783	0.3	250	10.1	89	78
S4784	0.1	250	3.4	90	78
S4785	0.1	250	3.6	90	78
S4787	0.3	250	12.3	90	73
S4788	1.3	250	50.1	72	73
S4790	0.8	250	31.1	90	74
S4791	1.9	250	76.9	79	72
S4792	3.8	250	153.0	73	76
S4794	0.0	250	1.4	82	78
S4796	0.1	250	2.6	90	78
S4797	0.1	250	2.8	90	78
S4798	0.0	250	0.4	90	78
S4799	2.8	250	111.6	90	78
S4800	0.9	250	36.9	67	78
S4801	0.0	250	0.3	90	72
S4802	1.4	250	56.1	60	78
S4803	0.3	250	11.9	87	78
S4804	0.8	250	33.9	90	78
S4805	0.7	250	27.2	90	78
S4806	1.1	250	43.2	88	78
S4807	1.4	250	57.4	89	45
S4808	0.6	250	22.8	13	78
S4809	0.7	250	26.0	90	78
S4810	0.0	250	0.7	67	78
S4811	0.0	250	0.2	90	78
S4812	0.0	250	1.1	90	78
S4814	0.1	250	5.7	89	78
S4816	0.1	250	5.7	88	73
S4817	0.2	250	9.4	70	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1605	0.3	250	13.6	66	70
S1606	0.6	250	23.5	72	72
S1607	0.0	250	0.4	90	78
S1608	1.0	250	41.4	66	70
S1609	0.4	250	15.3	78	74
S1610	0.0	250	0.5	90	78
S1611	0.0	250	1.2	90	78
S1612	0.8	250	33.3	72	72
S1613	0.0	250	1.2	90	78
S1614	0.0	250	0.9	90	78
S1615	0.0	250	1.6	90	78
S1616	0.0	250	0.5	87	78
S1617	1.2	250	46.9	72	72
S1618	0.6	250	22.3	84	76
S1619	4.4	250	174.3	66	73
S1620	0.2	250	6.3	72	72
S1622	0.4	250	16.7	66	70
S1623	2.0	250	79.1	69	72
S1624	0.3	250	11.3	68	71
S1627	2.6	250	105.1	57	69
S1628	1.1	250	42.5	65	70
S1629	0.3	250	13.0	68	71
S1630	0.2	250	9.8	72	73
S1631	3.4	250	137.9	51	71
S1632	0.2	250	7.6	88	78
S1633	0.1	250	2.6	89	78
S1634	2.1	250	82.4	67	73
S1635	4.7	250	187.7	66	73
S1636	0.1	250	3.0	61	72
S1637	5.2	250	209.2	63	73
S1638	2.4	250	95.1	74	75
S1640	0.5	250	20.3	67	73
S1641	0.0	250	1.5	89	78
S1642	0.0	250	0.6	90	78
S1643	0.2	250	8.3	66	73
S1644	0.4	250	16.1	66	73
S1645	0.3	250	10.4	66	73
S1646	1.3	250	50.4	68	74
S1647	0.1	250	5.0	62	72
S1648	0.0	250	0.2	90	78
S1649	1.5	250	61.9	66	73
S1650	0.0	250	0.3	90	78
S1651	0.6	250	24.9	65	73
S1652	0.9	250	35.4	66	73
S1653	0.7	250	26.7	66	73
S1654	0.2	250	7.4	70	74
S1655	2.6	250	103.6	65	73
S1656	0.0	250	1.1	89	78
S1657	0.6	250	24.4	62	72
S1658	3.5	250	139.4	65	73
S1659	0.2	250	8.4	66	73
S1664	3.2	250	128.0	65	73
S1665	2.9	250	114.8	64	73
S1666	1.8	250	70.3	28	68
S1667	1.7	250	69.1	27	67
S1668	2.9	250	115.6	49	74
S1669	0.6	250	24.8	71	74
S1670	0.6	250	24.7	71	74
S1671	7.3	250	291.9	67	74
S1672	3.4	250	134.9	67	73
S1673	3.6	250	143.6	67	73
S1674	0.4	250	15.5	71	74
S1675	0.2	250	6.7	68	74
S1676	0.0	250	0.1	90	78
S1677	0.5	250	21.5	66	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4819	0.1	250	3.6	64	64
S4822	0.1	250	3.5	3	74
S4823	0.2	250	6.3	45	74
S4825	7.6	250	302.5	90	60
S4826	15.4	250	616.1	9	60
S4827	0.3	250	12.7	17	72
S4828	0.1	250	3.3	65	78
S4830	0.0	250	0.4	67	66
S4831	0.0	250	0.4	43	75
S4832	0.0	250	0.1	62	78
S4829	0.3	250	11.1	90	78
S4833	1.6	250	65.3	90	76
S4834	0.2	250	6.9	62	75
S4835	0.2	250	6.7	45	75
S4837	0.1	257	2.2	45	77
S4839	2.5	250	99.4	67	71
S4841	2.4	250	94.2	88	68
S4843	6.9	250	277.8	61	69
S4844	0.2	250	6.3	63	78
S4845	0.3	250	10.3	90	78
S4846	0.1	250	3.5	89	78
S4848	0.5	250	20.6	90	75
S4849	0.1	250	2.6	79	78
S4850	0.8	250	31.0	69	74
S4851	0.8	250	31.6	81	75
S4852	0.4	250	17.1	82	76
S4853	2.4	250	95.9	82	74
S4854	0.0	250	0.9	77	57
S4855	0.8	250	30.3	9	59
S3056	8.6	250	343.2	63	67
S4856	0.2	250	7.5	18	74
S4857	0.0	250	0.2	70	78
S1212	7.8	250	313.6	44	65
S1213	0.6	250	25.6	55	67
S1214	0.0	250	0.6	6	56
S4858	0.0	250	0.4	89	78
S4859	0.1	250	5.8	87	74
S1217	6.3	250	253.0	28	61
S4861	0.8	250	32.5	67	55
S4862	0.8	250	32.8	0	55
S4863	0.6	250	24.8	0	68
S4864	1.1	250	44.3	60	57
S4867	0.8	250	32.9	83	67
S4868	1.4	250	57.6	45	73
S4869	0.0	250	0.4	69	78
S4870	0.0	250	0.2	67	71
S4871	0.0	250	1.9	67	78
S4872	0.0	250	0.4	90	72
S4873	0.2	250	8.4	65	56
S4874	0.0	250	1.1	5	66
S4875	0.0	250	0.0	51	78
S4876	0.0	250	0.1	90	78
S4877	4.9	250	196.9	90	59
S4878	0.1	250	4.9	22	71
S4879	0.8	250	32.4	67	62
S4880	0.0	250	0.6	66	78
S4881	0.1	250	5.5	90	76
S4882	0.3	250	11.9	84	78
S4883	1.7	250	69.0	90	39
S4884	0.0	250	1.7	0	45
S4886	1.8	250	73.9	0	78
S4887	1.2	250	48.6	87	54
S4888	0.6	250	23.5	1	53
S4889	8.3	250	331.3	0	62
S4890	0.8	250	34.0	67	64

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1678	0.2	250	8.8	71	74
S1679	0.4	250	15.9	70	74
S1681	4.2	250	167.5	68	70
S1682	0.1	250	4.0	74	75
S1683	0.4	250	15.0	68	74
S1684	0.6	250	23.3	66	73
S1687	0.1	264	2.9	66	73
S1688	0.7	250	27.8	71	74
S1689	0.8	250	31.7	73	75
S1692	1.8	250	70.5	67	74
S1693	0.3	250	10.9	69	74
S1694	2.2	250	88.1	70	74
S1695	0.2	250	7.6	65	73
S1696	4.4	250	177.3	66	71
S1697	0.2	250	8.6	69	74
S1698	1.2	250	48.0	12	65
S1699	1.4	250	54.8	9	65
S1700	0.4	250	14.3	68	74
S1701	0.2	250	6.3	70	74
S1702	1.1	250	42.3	68	74
S1703	0.2	250	6.2	79	76
S1704	6.9	250	275.7	67	73
S1705	0.4	250	16.1	66	73
S1706	0.6	250	22.1	68	74
S1708	3.9	250	157.6	67	74
S1709	2.0	250	81.7	66	73
S1710	0.2	250	9.7	67	73
S1711	0.2	250	9.6	68	74
S1712	7.7	250	306.3	62	72
S1713	0.2	250	6.7	70	74
S1714	5.3	250	213.6	67	73
S1715	2.8	250	110.8	66	73
S1716	0.7	250	28.7	66	73
S1717	0.0	250	0.2	90	78
S1718	0.6	250	25.3	67	73
S1719	0.6	250	22.1	65	73
S1720	0.5	250	21.2	66	73
S1721	1.6	250	62.8	66	73
S1722	0.1	250	4.2	64	73
S1723	3.6	250	144.4	46	70
S1724	1.5	250	60.8	68	74
S1725	5.1	250	205.3	69	74
S1726	9.2	250	369.4	63	74
S1727	0.2	250	7.5	75	75
S1728	0.1	250	4.7	89	78
S1729	0.2	250	7.6	89	78
S1730	6.7	250	269.1	66	73
S1731	1.9	250	74.6	66	73
S1732	0.0	250	0.2	90	78
S1733	5.6	250	224.9	65	73
S1734	0.0	250	0.7	90	78
S1735	0.1	250	5.9	67	73
S1736	0.2	250	9.1	62	73
S1737	0.4	250	17.5	62	69
S1738	0.4	250	14.1	71	73
S1739	0.0	250	0.3	90	78
S1740	0.0	250	1.2	73	73
S1741	0.1	250	5.6	90	78
S1743	0.9	250	37.3	62	72
S1745	2.1	250	84.0	66	73
S1746	0.8	250	30.9	66	73
S1747	0.6	250	25.7	68	74
S1748	0.8	250	31.7	67	73
S1749	1.0	250	41.8	68	74
S1750	2.1	250	84.0	85	77

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4891	2.2	250	87.0	39	62
S4892	4.9	250	196.7	4	60
S4894	0.0	250	0.2	9	68
S4895	7.4	282	261.4	29	73
S4896	0.5	250	18.9	63	76
S4897	0.1	250	6.0	82	77
S4898	0.2	250	9.2	86	73
S4899	5.2	250	210.0	70	75
S2388	1.0	250	40.3	67	77
S4900	0.6	250	23.9	65	78
S4901	0.4	250	14.5	90	78
S4902	0.0	250	0.8	90	78
S4903	1.1	103	102.3	30	78
S4904	15.8	250	633.8	90	75
S4905	0.5	250	20.1	77	78
S4906	1.9	250	75.8	90	76
S4907	0.1	250	5.7	80	78
S4908	0.1	250	5.0	90	78
S4909	0.0	250	1.3	90	78
S4910	0.1	250	2.2	89	73
S4911	0.4	250	15.5	70	58
S4912	0.0	250	0.3	11	70
S4913	4.1	250	164.1	57	55
S4914	1.3	250	52.8	0	70
S4915	0.2	250	9.1	70	72
S4916	0.1	250	2.9	73	78
S4917	1.0	250	39.5	90	75
S4918	0.0	250	1.0	80	78
S4919	0.6	250	23.8	89	71
S4920	0.0	250	0.4	71	78
S4921	0.6	250	22.2	90	70
S4922	0.1	250	5.5	65	78
S4923	0.2	250	6.9	89	78
S4924	0.1	250	3.4	89	78
S4925	0.2	250	8.5	89	78
S4926	0.0	250	1.0	89	78
S4927	0.0	250	2.0	89	78
S4928	4.7	250	187.3	90	66
S4930	4.5	250	178.5	68	72
S4931	0.2	250	8.3	61	78
S4932	0.1	250	4.3	88	78
S4933	0.1	250	5.1	90	68
S4934	1.9	250	74.2	26	72
S4935	0.0	250	0.0	70	78
S4936	0.0	250	0.1	90	78
S4937	1.5	250	59.7	90	70
S4938	6.0	302	200.0	70	75
S4939	1.0	49	200.0	46	63
S4331_1	0.7	210	31.3	66	73
S4331	1.4	341	41.2	75	77
S4328	0.1	203	3.6	60	72
S4332	0.2	12	200.0	89	78
S4333	0.1	4	200.0	62	72
S4330_1	0.1	18	48.6	88	78
S4330_2	1.2	240	48.6	26	73
S4330	0.4	21	200.0	4	64
S4940	109.7	5483	200.0	66	70
S4941	26.3	1317	200.0	1	73
S2700	7.4	371	200.0	82	76
S2702	0.1	3	200.0	90	78
S2703	0.0	1	200.0	58	73
S4541_2	3.2	162	200.0	29	73
S4336_1	1.1	243	44.4	60	75
S4336	0.4	19	200.0	8	71
S3985	7.0	350	200.0	68	74

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1752	0.1	250	4.6	90	78
S1753	0.1	250	5.7	90	78
S1754	0.2	250	6.1	87	78
S1755	4.0	250	161.8	68	72
S1756	0.3	250	11.7	67	73
S1757	0.3	250	11.4	70	74
S1758	0.1	250	2.7	68	74
S1759	2.0	250	79.1	67	73
S1761	0.2	250	8.9	68	74
S1763	0.6	250	22.1	67	73
S1764	0.8	250	31.0	67	73
S1765	0.3	250	11.2	67	74
S1767	0.0	413	0.8	89	78
S1768	3.4	250	136.3	69	74
S1769	0.5	250	18.2	74	75
S1770	0.3	250	13.7	68	74
S1771	0.6	250	24.0	68	74
S1772	0.3	250	13.6	71	74
S1773	0.0	250	0.2	90	78
S1774	0.8	250	33.1	42	70
S1775	0.2	250	7.7	69	74
S1776	1.1	250	43.3	66	73
S1777	0.3	250	11.0	71	74
S1778	0.5	250	18.0	67	73
S1779	2.2	251	87.9	68	73
S1780	0.2	250	7.2	72	75
S1781	0.0	250	0.1	89	78
S1783	0.1	250	5.0	63	73
S1784	1.2	250	49.4	68	74
S1785	0.0	250	0.5	90	78
S1786	0.6	250	24.5	65	72
S1787	0.3	250	10.9	66	71
S1788	0.3	250	13.3	63	65
S1790	0.0	80	2.9	70	74
S1791	6.3	250	252.2	67	72
S1792	0.3	250	13.5	74	75
S1793	2.7	250	108.8	65	69
S1797	0.0	250	0.9	90	78
S1802	0.6	250	23.9	44	70
S1803	2.8	250	112.9	77	75
S1804	0.7	250	29.2	70	74
S1805	0.3	250	11.8	72	74
S1806	0.3	250	10.9	67	74
S1807	0.3	250	11.4	67	73
S1808	0.8	250	31.5	66	73
S1809	0.6	250	25.1	67	73
S1810	1.8	250	73.5	66	73
S1811	0.1	250	5.3	65	73
S1812	0.3	250	11.5	71	74
S1813	2.0	250	78.5	64	69
S1814	0.2	250	8.0	69	68
S1816	1.7	252	69.0	7	63
S1817	2.3	250	91.9	67	68
S1818	0.3	250	13.7	67	66
S1819	0.3	250	12.1	67	65
S1820	0.2	457	3.6	81	73
S1821	0.5	250	19.2	66	65
S1822	0.4	250	14.8	67	67
S1823	0.3	250	12.0	67	71
S1824	0.3	250	13.6	72	74
S1825	0.1	250	2.1	65	73
S1826	3.8	250	152.4	66	73
S1827	0.9	250	37.1	49	70
S1828	0.0	250	0.9	10	65
S1829	0.0	250	0.5	89	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3986	1.3	63	200.0	0	63
S2891	0.3	13	200.0	26	67
S3988	0.7	33	200.0	1	63
S3987	3.9	197	200.0	36	64
S3989	3.1	153	200.0	0	63
S3990	2.7	133	200.0	4	64
S3991	0.1	6	200.0	89	78
S3992	2.1	105	200.0	3	61
S3993	0.6	30	200.0	0	60
S2802	3.8	190	200.0	0	59
S2745	2.9	144	200.0	1	62
S2748	1.7	85	200.0	1	57
S2979	110.0	5501	200.0	4	65
S2980	31.1	1553	200.0	5	64
S2983	0.6	28	200.0	68	74
S4631	16.2	809	200.0	9	57
S4632	3.3	166	200.0	6	68
S4865	6.5	326	200.0	10	75
S4944	0.7	37	200.0	37	78
S4945	24.4	1219	200.0	87	74
S4947	5.0	248	200.0	46	75
S4950	0.4	21	200.0	67	57
S4951	0.3	15	200.0	7	73
S4952	1.2	61	200.0	74	68
S4953	0.3	15	200.0	61	78
S4954_1	0.7	35	200.0	89	78
S4954_2	1.3	64	200.0	90	78
S4954	0.7	33	200.0	89	78
S4955	0.2	8	200.0	89	78
S4956	1.1	54	200.0	89	78
S4957	1.8	91	200.0	89	75
S4958	1.5	76	200.0	45	78
S4959	37.1	1854	200.0	81	75
S4964	4.3	215	200.0	88	75
S4965	1.3	64	200.0	58	74
S4966	1.1	55	200.0	45	74
S4967	0.1	7	200.0	45	74
S4968	0.2	8	200.0	45	74
S4969	0.7	34	200.0	45	74
S4970	1.2	59	200.0	70	74
S4971	13.4	669	200.0	45	74
S4972	0.6	28	200.0	50	75
S4973	1.3	65	200.0	64	78
S4976	1.3	65	200.0	89	64
S4977	0.7	33	200.0	3	78
S4978	9.6	481	200.0	87	71
S4979	1.0	52	200.0	44	78
S4980	1.0	49	200.0	65	71
S4981	1.4	72	200.0	48	67
S4982	1.0	51	200.0	22	59
S1435_2	4.5	268	168.1	50	75
S1435	1.0	50	200.0	4	56
S4983	1.5	77	200.0	2	55
S1405_2	1.6	67	245.4	66	71
S1405_4	5.7	232	245.4	70	72
S1405_3	2.7	135	200.0	22	61
S4984	5.8	288	200.0	1	74
S4310	0.6	30	200.0	88	78
S4311	2.6	129	200.0	72	73
S4985	5.2	258	200.0	75	73
S4986	2.5	125	200.0	75	71
S4988_1	3.2	158	200.0	26	73
S4988_2	7.9	393	200.0	76	71
S4988	12.4	618	200.0	73	65
S4990	9.5	477	200.0	66	68

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1830	1.1	250	43.8	49	71
S1831	0.0	250	0.0	90	78
S1832	1.2	315	37.2	79	75
S1833	0.4	250	16.0	87	78
S1834	8.7	250	348.0	6	64
S1835	0.1	250	5.0	89	78
S1836	0.2	250	8.5	90	78
S1837	2.3	250	93.6	2	64
S1838	0.4	250	17.3	90	78
S1839	0.6	250	24.8	12	65
S1840	1.2	250	49.5	90	78
S1841	0.9	250	36.5	23	53
S1842	2.0	250	80.2	77	73
S1843	1.4	250	55.7	87	77
S1844	1.3	250	53.9	90	78
S1845	2.4	250	94.5	90	78
S1846	0.9	250	35.5	88	78
S1847	0.7	250	28.5	76	72
S1848	0.4	250	15.7	66	72
S1849	0.9	250	35.8	55	69
S1850	1.7	250	69.1	65	70
S1851	0.7	250	26.8	56	69
S1852	0.1	252	4.4	52	69
S1853	4.2	250	166.5	43	63
S1854	12.4	250	496.6	0	63
S1855	0.3	250	10.3	76	76
S1856	1.0	250	38.5	66	73
S1857	1.0	250	40.8	66	73
S1858	1.1	250	44.0	66	73
S1859	0.8	250	33.4	66	73
S1860	0.5	250	21.1	69	74
S1861	2.5	250	100.2	69	74
S1863	0.4	141	31.4	67	72
S1864	2.3	591	39.0	60	69
S1866	0.3	250	11.5	64	73
S1867	0.7	250	27.2	66	73
S1868	0.1	250	4.0	68	74
S1869	0.6	250	23.1	70	74
S1870	0.3	269	10.6	63	63
S1874	0.1	250	5.1	89	78
S1875	0.0	250	1.9	90	78
S1876	0.1	250	4.6	90	78
S1877	0.3	250	13.2	49	71
S1878	2.3	250	90.9	67	73
S1879	0.1	250	2.6	89	78
S1880	0.6	250	24.7	68	74
S1881	0.8	250	31.5	68	74
S1882	1.3	250	52.5	67	74
S1883	0.2	250	7.5	65	73
S1885	0.7	250	29.6	66	73
S1886	0.6	250	24.8	67	73
S1887	0.1	250	5.5	64	73
S1888	0.5	250	21.9	66	73
S1889	0.5	250	19.9	65	73
S1890	0.1	250	2.7	64	73
S1891	1.3	251	50.4	60	72
S1892	0.0	250	1.3	82	77
S1893	0.0	250	0.2	90	78
S1894	0.0	250	0.5	72	75
S1895	4.1	407	101.2	21	66
S1896	0.2	418	3.9	61	72
S1897	2.3	250	93.3	67	73
S1898	0.1	250	4.2	90	78
S1899	0.1	250	5.1	89	78
S1900	0.1	250	5.1	89	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4991	4.0	199	200.0	12	74
S4992	12.9	646	200.0	73	73
S4993	1.5	76	200.0	70	63
S4994	3.5	174	200.0	1	63
S4996	88.6	4432	200.0	0	61
S4997_1	73.0	3649	200.0	1	46
S4997	28.8	1438	200.0	44	53
S2131_2	1.8	241	76.4	56	72
S2131	24.6	1229	200.0	1	64
S5001	2.4	118	200.0	45	72
S5002	2.9	144	200.0	67	70
S5003	0.5	27	200.0	70	71
S5004	4.5	227	200.0	70	55
S5005	10.6	531	200.0	16	51
S5006	8.8	439	200.0	9	43
S5007	15.3	765	200.0	0	51
S5008	20.3	1016	200.0	3	78
S5009_4	4.5	227	200.0	3	56
S1862_2	0.2	99	16.7	70	74
S1862	2.8	138	200.0	14	65
S1865	1.5	77	200.0	11	44
S4116_1	1.3	592	22.4	50	60
S4116_2	0.3	129	22.4	66	65
S1955	2.1	104	200.0	6	59
S4092	15.6	782	200.0	28	72
S4116	2.7	136	200.0	58	72
S5009_1	5.7	287	200.0	45	73
S5009_5	0.5	26	200.0	12	71
S5009	5.8	288	200.0	89	71
S5010	1.6	80	200.0	66	64
S5011	0.1	5	200.0	4	78
S2151_1	2.4	206	116.0	66	74
S5013_1	0.9	43	200.0	6	65
S5013_2	2.2	110	200.0	10	64
S1972_1	2.7	226	117.7	49	73
S1972_2	0.4	38	117.7	68	74
S1621_1	0.3	160	16.3	66	72
S1621_2	0.3	169	16.3	35	63
S4495_1	28.0	233	1202.0	66	71
S1621	33.9	1694	200.0	5	56
S1662	0.9	44	200.0	65	70
S1972	0.6	31	200.0	71	71
S2151	0.3	14	200.0	70	70
S2508	0.3	17	200.0	74	72
S2510	0.3	17	200.0	73	71
S2511	0.2	9	200.0	90	78
S2512	0.2	8	200.0	90	78
S3117	0.3	15	200.0	89	78
S2887_2	0.4	393	10.2	68	74
S2912_1	0.5	183	26.5	63	73
S2912_2	0.6	229	26.5	68	74
S2898_2	0.4	78	52.6	85	77
S3995_1	0.9	94	93.2	79	76
S2886	10.2	511	200.0	67	73
S2867_2	0.2	132	12.7	81	76
S2863_1	0.5	23	200.0	66	73
S2863_2	7.7	387	200.0	64	73
S4541_1	74.0	3699	200.0	12	71
S4541_4	22.4	1120	200.0	35	70
S2701	7.3	366	200.0	62	74
S2637_2	0.1	22	49.4	64	73
S2637_3	0.8	168	49.4	67	74
S2637_4	0.7	132	49.4	66	73
S3457_2	0.1	109	11.0	68	70
S4555_2	0.1	117	6.0	87	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1901	0.2	250	6.1	89	78
S1902	0.1	250	5.6	89	78
S1907	1.6	250	64.8	57	75
S1908	0.5	250	18.1	58	61
S1909	0.3	250	12.4	60	62
S1910	0.1	250	3.3	32	51
S1911	0.2	250	8.0	58	61
S1912	0.2	250	7.5	60	61
S1913	0.2	250	7.3	60	62
S1914	0.2	250	6.9	59	61
S1915	0.1	250	4.4	60	62
S1916	0.2	376	4.5	60	62
S1917	0.2	250	7.2	60	62
S1918	0.2	250	7.1	60	62
S1920	2.4	250	95.2	60	62
S1921	0.2	250	8.1	47	57
S1922	0.2	250	7.8	60	61
S1923	0.0	250	1.2	60	62
S1924	0.2	250	9.2	60	62
S1925	0.1	250	5.5	60	62
S1926	0.2	250	6.7	60	62
S1927	0.3	250	10.5	60	62
S1928	2.1	245	83.9	53	59
S1929	0.4	288	13.4	59	61
S1930	0.6	255	25.2	23	48
S1931	0.2	250	8.6	60	62
S1932	0.1	250	3.8	60	62
S1933	0.2	250	7.3	60	62
S1934	0.0	250	0.6	60	62
S1935	2.2	328	65.7	64	69
S1937	0.3	250	14.0	63	73
S1939	2.4	442	54.8	62	73
S1941	0.1	250	4.7	87	78
S1942	3.1	250	124.2	66	73
S1943	0.2	250	8.3	74	75
S1944	0.0	250	1.3	87	78
S1945	0.0	250	1.6	81	76
S1946	2.1	250	82.7	69	74
S1947	0.2	250	7.0	90	78
S1948	0.2	250	9.9	88	78
S1949	0.2	250	7.4	87	78
S1950	2.1	250	83.2	69	74
S1951	0.5	250	19.4	64	73
S1953	0.1	260	5.1	67	74
S1954	0.5	289	17.3	73	75
S1957	0.2	250	7.9	66	73
S1958	0.3	250	12.3	71	74
S1959	0.0	250	2.0	89	78
S1960	0.1	250	2.9	88	78
S1961	0.0	250	0.7	89	78
S1962	0.0	250	0.5	90	78
S1963	0.3	250	10.5	68	74
S1964	0.7	250	28.7	68	74
S1965	3.1	250	125.6	67	74
S1966	4.0	250	158.3	67	74
S1967	0.0	250	0.4	90	78
S1968	0.0	250	0.6	90	78
S1973	5.6	250	222.9	65	73
S1976	7.7	250	308.1	62	73
S1977	0.1	250	3.4	89	78
S1978	0.1	250	4.0	90	78
S1979	0.1	250	2.1	89	78
S1980	0.0	250	1.8	81	77
S1981	0.3	250	11.8	63	73
S1982	0.2	250	8.1	71	74

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4555_3	0.0	10	6.0	90	78
S4555_4	0.1	150	6.0	53	72
S2648_2	2.5	218	112.7	67	73
S2649_2	1.3	267	48.9	68	74
S2637	1.6	79	200.0	60	75
S2638	2.2	110	200.0	57	75
S4558_1	0.0	203	1.6	31	69
S2640_3	1.2	59	200.0	60	75
S2640	2.2	112	200.0	60	75
S4337_1	0.4	22	190.7	64	73
S4337_2	4.5	237	190.7	75	76
S2663_1	0.4	238	17.2	66	73
S2676_2	0.1	80	17.7	60	72
S2676_3	0.1	61	17.7	79	76
S2673_2	0.8	174	48.2	70	74
S2677_1	0.3	113	27.2	74	75
S2642	1.3	65	200.0	61	72
S2674_3	0.4	143	28.7	74	75
S2644	2.2	110	200.0	69	76
S1016_1	1.8	231	79.4	61	72
S1015_1	4.2	271	153.9	60	74
S1015	0.2	12	200.0	66	73
S1007_1	6.7	231	291.0	69	74
S1009_1	0.9	177	51.2	63	73
S1007	0.4	22	200.0	68	74
S4588_2	4.4	143	310.8	21	67
S2653_2	1.5	159	96.8	64	73
S1009	0.4	20	200.0	71	74
S4338_1	1.8	244	72.7	68	74
S1016	0.0	2	200.0	84	77
S1017	0.1	4	200.0	78	76
S4346_1	0.1	233	6.1	65	73
S4349_1	0.0	19	7.1	90	78
S4349_2	0.2	231	7.1	65	73
S4354_1	0.3	174	20.1	70	74
S4360_1	0.1	220	4.7	66	73
S4354_3	0.2	77	20.1	65	73
S4361_2	0.2	236	7.1	66	73
S2647	0.0	1	200.0	89	78
S2648	0.3	13	200.0	68	74
S4339_1	0.1	11	48.5	69	74
S4339_2	1.2	239	48.5	67	73
S2649	0.1	6	200.0	70	74
S2653	0.2	9	200.0	71	74
S2655	0.4	20	200.0	73	75
S2913_2	0.4	197	18.8	89	78
S2900_2	1.1	164	69.2	69	74
S4632_2	23.9	355	673.7	21	67
S2664	11.8	590	200.0	60	72
S4631_1	3.6	127	286.8	1	64
S4631_3	3.0	104	286.8	2	56
S2833_2	0.2	185	11.3	63	73
S1245_1	4.0	76	522.7	36	69
S1245_2	9.1	174	522.7	66	72
S2627_1	0.6	16	381.1	67	74
S2627_2	9.2	240	381.1	26	67
S2625_2	1.0	223	46.1	66	73
S1245_3	0.1	3	200.0	89	78
S1245_4	0.1	4	200.0	89	78
S4620_1	0.5	208	24.5	1	55
S4602_1	2.4	94	256.9	25	67
S4602_2	4.0	156	256.9	48	70
S4004_1	10.5	525	200.0	0	61
S4004_2	124.6	6229	200.0	1	63
S2803_1	50.6	2530	200.0	4	64

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1983	0.6	250	25.5	65	73
S1985	0.8	250	30.8	67	73
S1986	5.3	250	211.2	65	73
S1987	0.7	250	27.7	66	73
S1988	1.8	250	72.0	67	74
S1989	1.6	250	64.8	65	73
S1990	0.2	250	8.6	68	74
S1991	0.1	250	5.2	69	74
S1992	0.0	250	0.7	84	77
S1993	0.1	250	5.7	89	78
S1994	0.1	250	2.2	69	74
S1995	0.4	250	14.3	70	74
S1996	0.1	250	5.3	65	73
S1997	0.4	250	14.5	65	73
S1998	0.1	387	1.8	47	70
S1999	2.3	250	92.8	66	73
S2000	0.7	250	26.6	68	74
S2001	1.7	250	69.3	65	73
S2002	0.2	250	7.3	72	75
S2003	0.0	250	1.0	89	78
S2004	1.3	252	53.0	69	74
S2005	3.1	250	124.8	65	73
S2006	0.1	250	4.4	65	73
S2007	0.2	250	6.5	64	73
S2008	0.2	250	10.0	68	74
S2009	0.3	250	13.1	64	73
S2010	0.3	250	11.5	70	74
S2011	0.4	250	16.1	68	74
S2012	0.1	250	3.0	70	74
S2013	6.1	250	244.7	41	69
S2014	1.6	250	64.9	64	73
S2015	0.7	250	28.0	82	76
S2016	0.2	250	6.6	64	73
S2017	0.2	250	6.1	65	73
S2018	0.1	250	5.1	70	74
S2019	0.1	250	3.6	89	78
S2020	0.4	250	15.2	68	74
S2021	0.2	250	6.9	65	73
S2022	0.0	250	0.7	90	78
S2023	0.1	250	2.1	90	78
S2024	0.7	250	29.2	68	74
S2026	0.2	250	6.9	65	73
S2027	0.2	250	7.2	65	73
S2028	0.2	250	7.2	68	74
S2029	2.1	250	82.6	69	74
S2030	0.1	250	3.3	71	74
S2031	0.4	250	16.8	67	73
S2032	0.3	250	13.1	68	74
S2033	0.1	250	2.4	67	74
S2034	0.5	250	18.0	68	74
S2035	0.3	250	13.0	65	73
S2036	0.9	250	36.2	67	73
S2037	0.2	250	9.3	64	73
S2038	0.9	250	34.8	69	74
S2039	0.1	250	5.8	66	73
S2040	0.0	250	1.9	90	78
S2041	0.1	250	2.1	90	78
S2042	0.1	250	5.5	65	73
S2043	0.7	250	29.6	66	73
S2044	0.1	250	2.7	89	78
S2045	0.3	250	10.5	49	71
S2046	0.1	250	5.5	65	73
S2047	0.3	250	11.8	68	74
S2048	0.3	250	11.5	63	73
S2049	0.2	250	6.9	78	76

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2803_2	56.2	2808	200.0	2	66
S2976_1	35.0	1752	200.0	5	68
S2976_2	21.8	1092	200.0	8	68
S2978_1	4.2	209	200.0	38	64
S2978_4	3.4	169	200.0	37	73
S2978_5	17.3	865	200.0	8	68
S2978_6	9.6	481	200.0	44	71
S2978_2	5.8	289	200.0	2	57
S2978_7	18.4	920	200.0	18	64
S2978_9	6.4	318	200.0	3	66
S2978_3	12.3	614	200.0	8	66
S2978_8	0.9	45	200.0	27	62
S2978_11	14.6	729	200.0	0	59
S2982_1	1.3	65	200.0	1	56
S2959_1	0.2	167	13.8	64	69
S2959_2	0.2	149	13.8	69	71
S2958_1	5.7	251	226.0	51	69
S1245	0.0	1	200.0	80	77
S4660_1	0.0	283	0.5	80	76
S4660_2	0.0	231	0.5	90	78
S2710_1	2.3	212	108.8	66	70
S2710_2	0.4	38	108.8	63	69
S2716_1	3.8	234	160.8	63	71
S2716_2	0.2	16	160.8	66	70
S2625	0.0	0	200.0	90	78
S2736_1	0.1	77	13.8	90	78
S2736_3	0.2	168	13.8	49	66
S2734_1	0.7	198	36.6	68	71
S2734_2	0.2	52	36.6	68	71
S2800_1	2.4	120	200.0	71	72
S2800_2	0.9	44	200.0	85	77
S4005_2	1.1	53	200.0	60	70
S2754_1	0.3	121	25.0	63	69
S2754_2	0.3	129	25.0	60	71
S4005_3	1.1	55	200.0	59	71
S4005_5	3.9	193	200.0	46	70
S4005_6	0.8	40	200.0	60	72
S4005_4	1.5	75	200.0	60	72
S4005_7	2.0	102	200.0	60	72
S2787_1	0.6	148	37.3	71	74
S2787_2	0.4	102	37.3	63	73
S2795_1	0.5	26	200.0	88	78
S2795_2	0.5	27	200.0	89	78
S2775_1	0.2	10	200.0	76	76
S2775_2	0.3	14	200.0	75	75
S2773_1	0.0	11	43.6	66	70
S2773_2	1.0	239	43.6	66	73
S2763_1	0.4	52	69.8	66	70
S2763_2	1.4	198	69.8	67	71
S2776_1	0.7	213	34.8	60	69
S2776_2	0.1	37	34.8	63	69
S2777_2	0.2	78	23.1	21	62
S2777_3	0.0	19	23.1	89	78
S1277_1	0.8	39	200.0	26	62
S1277_3	1.6	78	200.0	5	56
S1277_4	0.5	26	200.0	0	55
S1276_1	8.7	182	479.0	48	72
S1276_2	3.3	68	479.0	64	72
S1279_1	9.0	235	382.1	63	72
S1279_2	0.6	15	382.1	62	72
S2981_2	75.3	3764	200.0	2	67
S2981_3	147.2	7361	200.0	0	67
S2981_4	7.1	354	200.0	0	66
S4974_2	0.8	39	200.0	43	69
S1515_1	4.3	241	178.2	57	74

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2050	0.9	250	34.0	72	74
S2051	0.0	250	0.2	90	78
S2052	0.1	250	5.9	66	73
S2053	0.1	250	2.9	64	73
S2054	3.4	250	136.5	67	74
S2055	0.2	250	7.0	65	73
S2056	2.4	250	95.0	66	73
S2057	0.2	250	8.8	63	73
S2058	2.1	250	85.5	67	73
S2059	0.0	250	0.4	90	78
S2060	0.0	250	1.8	87	78
S2061	0.2	250	6.8	68	74
S2063	0.3	250	13.2	67	74
S2064	0.2	250	9.3	67	73
S2065	0.6	250	25.3	51	71
S2066	0.9	250	35.9	1	63
S2067	0.3	250	12.6	1	63
S2068	2.9	250	114.1	67	74
S2069	1.0	250	41.6	62	72
S2070	0.3	250	13.5	64	73
S2071	0.6	250	23.4	54	71
S2072	1.3	250	50.3	56	71
S2073	0.3	250	11.1	2	63
S2074	1.2	253	47.6	58	72
S2075	0.3	250	13.1	70	74
S2076	2.1	285	75.0	58	72
S2077	0.3	275	12.5	71	74
S2078	0.3	250	13.6	69	74
S2079	0.3	250	11.1	70	74
S2080	2.3	253	90.3	64	73
S2081	0.2	250	8.9	65	73
S2082	0.2	250	9.8	40	70
S2083	0.2	250	7.9	37	69
S2084	0.2	250	8.6	63	73
S2085	0.3	250	10.8	64	73
S2086	0.8	250	30.4	67	74
S2087	0.6	250	22.3	66	73
S2088	0.2	250	9.4	65	73
S2089	0.5	250	18.1	69	74
S2090	1.1	250	45.8	68	74
S2091	2.5	250	100.3	69	74
S2092	0.1	250	5.4	75	75
S2093	1.3	250	53.3	66	73
S2094	0.0	250	1.4	87	78
S2095	0.0	250	0.8	89	78
S2096	0.2	250	7.6	68	74
S2097	0.1	250	2.5	69	74
S2098	0.2	250	7.4	68	74
S2099	0.7	250	26.9	68	74
S2100	0.6	250	23.1	66	73
S2101	1.6	250	65.2	63	73
S2102	1.5	250	59.7	65	73
S2103	0.9	250	35.3	66	73
S2104	0.1	250	2.5	63	73
S2105	0.1	250	3.7	6	64
S2106	0.3	250	11.9	64	73
S2107	1.8	250	73.3	64	73
S2108	0.1	250	2.7	4	64
S2109	0.1	250	2.1	86	78
S2110	0.0	250	0.1	90	78
S2111	1.5	250	60.8	64	73
S2112	0.1	250	2.9	50	71
S2113	0.0	250	0.2	90	78
S2114	2.5	250	100.3	63	73
S2115	0.2	250	7.7	63	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1515_2	0.2	9	178.2	90	78
S4974_3	0.2	9	200.0	1	76
S4974_1	0.3	15	200.0	89	77
S4974_4	0.7	34	200.0	81	76
S4974_5	0.5	26	200.0	81	77
S4974_6	0.6	29	200.0	83	76
S4974_7	0.5	23	200.0	83	76
S4974_10	0.5	23	200.0	84	72
S4974_9	0.2	9	200.0	83	78
S4974_11	0.0	1	200.0	56	74
S1512_1	8.3	207	400.9	68	74
S1512_2	3.9	97	400.9	64	77
S4975_1	0.2	11	200.0	90	78
S4975_4	1.3	63	200.0	89	69
S4975_2	0.2	8	200.0	89	78
S4975_3	0.5	25	200.0	88	78
S4975_6	0.5	24	200.0	26	78
S4946_1	6.8	338	200.0	45	75
S4963_2	1.0	49	200.0	88	78
S4963_1	0.9	47	200.0	45	78
S4963_5	0.8	39	200.0	89	78
S4946_3	32.4	1619	200.0	45	75
S4946_4	60.5	3023	200.0	45	75
S4961_1	10.3	516	200.0	45	75
S4961_2	1.5	73	200.0	45	75
S4962_1	1.3	67	200.0	45	75
S4962_2	0.6	29	200.0	45	75
S4960_3	0.4	21	200.0	45	74
S4960_4	1.4	70	200.0	45	74
S4960_1	0.3	16	200.0	69	75
S4960_2	0.5	23	200.0	45	75
S4960_6	0.6	29	200.0	45	75
S2982_2	53.2	2660	200.0	2	65
S2982_3	5.1	257	200.0	13	62
S4672_1	2.4	148	165.3	5	57
S4672_2	1.7	102	165.3	18	68
S4613_3	0.7	226	31.7	1	55
S4606_1	0.4	82	42.8	5	70
S4606_2	0.7	168	42.8	60	69
S1254_1	0.0	37	4.0	90	78
S1254_4	0.1	190	4.0	90	78
S1253_1	0.1	232	2.7	89	78
S1031_2	2.5	249	98.7	65	70
S1031	2.6	130	200.0	60	68
S1039_1	0.8	245	34.3	27	68
S1038_2	0.3	199	17.2	76	74
S1038	0.1	6	200.0	90	78
S4580_1	1.4	208	65.8	2	57
S4580_2	0.3	42	65.8	48	68
S1039	0.2	12	200.0	0	55
S1253	0.0	0	200.0	90	78
S4840_2	0.3	282	11.4	76	78
S4838_2	0.7	82	90.5	77	71
S4838_3	1.5	166	90.5	68	70
S4838_4	0.1	11	90.5	67	70
S1130_1	1.6	209	77.8	69	71
S1130_2	0.3	41	77.8	69	71
S3915_1	1.4	215	67.4	65	69
S3915_2	0.2	35	67.4	66	70
S3909_1	1.3	156	83.2	60	65
S3909_2	0.8	94	83.2	60	62
S1181_3	1.8	224	79.4	64	74
S1186_2	2.5	190	133.3	48	70
S4390_1	0.8	45	171.7	90	78
S951	1.0	50	200.0	39	69

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2116	0.2	250	6.7	67	74
S2117	0.0	250	1.9	90	78
S2118	0.1	250	4.1	69	74
S2119	0.2	250	8.8	69	74
S2120	0.1	250	3.1	70	74
S2121	0.3	250	13.6	69	74
S2122	0.0	250	0.3	90	78
S2123	0.0	250	0.3	90	78
S2125	2.2	250	86.3	59	72
S2126	2.6	250	105.2	66	73
S2127	0.0	250	0.1	90	78
S2128	0.3	250	10.0	64	73
S2129	0.0	250	1.5	63	73
S2130	1.3	250	51.7	68	74
S2132	0.1	250	5.4	61	69
S2133	0.1	250	4.8	69	74
S2134	0.2	250	6.4	69	74
S2135	0.0	250	1.9	70	74
S2136	0.2	250	6.8	43	70
S2137	0.2	250	7.4	68	74
S2138	0.0	250	1.1	89	78
S2139	0.0	250	0.4	90	78
S2140	0.1	250	5.3	64	73
S2141	0.1	250	5.1	64	73
S2142	0.1	250	3.1	64	73
S2143	0.2	250	7.2	63	73
S2144	0.2	250	9.3	63	73
S2145	0.2	250	9.8	65	73
S2146	0.2	250	6.1	52	71
S2148	3.3	250	131.5	67	73
S2149	1.4	250	55.9	65	73
S2150	5.3	250	211.3	59	71
S2152	1.2	250	49.8	66	73
S2153	0.7	250	28.3	68	74
S2154	0.4	250	14.8	70	74
S2155	0.3	253	13.1	86	78
S2156	0.2	250	7.6	90	78
S2157	0.6	250	24.5	71	74
S2158	0.5	250	18.0	70	74
S2159	0.7	250	26.3	72	74
S2160	0.6	250	25.6	72	72
S2161	0.2	250	8.6	70	71
S2162	2.4	250	94.9	65	70
S2163	0.2	250	9.6	74	75
S2164	0.2	250	7.6	78	76
S2165	2.2	250	86.7	66	73
S2166	0.0	250	1.6	89	78
S2167	0.0	250	0.1	90	78
S2168	0.1	250	3.1	89	78
S2169	0.1	250	5.3	89	78
S2170	0.0	250	0.8	90	78
S2171	0.2	250	9.9	69	74
S2172	0.2	250	7.6	72	75
S2173	0.0	250	0.2	90	78
S2174	0.6	250	23.9	66	73
S2175	2.7	250	108.9	64	70
S2176	0.5	250	18.2	67	73
S2177	0.2	250	9.6	74	74
S2179	0.2	250	8.4	70	71
S2180	0.1	250	5.6	70	71
S2181	0.1	250	5.4	76	74
S2182	0.1	250	3.9	64	69
S2183	0.1	250	2.1	90	78
S2184	0.1	250	2.8	90	78
S2185	0.0	250	1.4	69	71

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S951_2	3.0	196	150.9	65	73
S951_3	0.2	15	150.9	90	78
S2701_4	0.1	8	156.2	33	68
S2701_1	0.2	12	156.2	60	72
S2701_5	0.0	3	156.2	60	72
S1147_1	0.5	111	41.6	67	70
S1147_2	0.7	159	41.6	66	70
S1154_2	6.3	247	254.8	66	70
S1130	0.6	30	200.0	60	68
S3717_1	0.0	8	14.8	90	78
S3717_2	0.4	255	14.8	62	69
S3716_2	0.4	238	14.7	78	74
S3716_3	0.0	4	14.7	90	78
S187_1	0.7	180	40.0	70	71
S187_2	0.3	73	40.0	74	73
S235_1	0.3	111	31.3	72	72
S235_2	0.4	139	31.3	70	71
S1	4.4	221	200.0	67	70
S2	0.3	13	200.0	81	75
S3760_1	1.7	231	73.8	68	71
S3760_2	0.1	19	73.8	62	70
S3761_1	0.1	116	9.7	67	72
S3761_2	0.1	134	9.7	62	70
S3	0.4	20	200.0	67	71
S4	2.3	116	200.0	60	68
S5	0.4	18	200.0	1	73
S83_1	0.8	124	61.5	82	75
S3606_1	0.7	229	30.4	80	74
S903_1	0.1	162	8.0	70	71
S903_2	0.1	88	8.0	90	78
S37	0.2	8	200.0	73	72
S54	0.0	0	200.0	63	78
S64_2	0.4	223	19.9	90	72
S62_1	0.4	241	17.5	90	70
S62	0.1	4	200.0	79	78
S19_1	0.7	173	42.6	67	71
S19_2	0.3	77	42.6	66	70
S20_1	0.6	163	37.6	67	70
S20_2	0.3	88	37.6	66	70
S19	0.4	21	200.0	68	71
S20	0.9	44	200.0	61	68
S64	0.0	1	200.0	68	78
S83	0.0	0	200.0	90	78
S245_1	0.1	15	34.8	62	69
S245_2	0.8	235	34.8	68	71
S102_1	0.1	136	10.0	62	69
S102_2	0.1	117	10.0	72	72
S110_2	0.8	206	39.4	66	70
S112_1	0.2	195	10.7	79	75
S109_2	0.3	222	12.5	77	74
S101	0.3	13	200.0	68	71
S94_1	0.2	236	7.2	79	75
S94_2	0.0	14	7.2	90	78
S82_2	1.1	217	50.5	60	68
S82	0.0	1	200.0	90	78
S94	0.0	2	200.0	89	78
S102	0.1	3	200.0	81	75
S109	0.0	1	200.0	90	78
S110	0.1	3	200.0	87	77
S111	0.0	2	200.0	89	78
S112	0.0	1	200.0	88	78
S187	0.0	0	200.0	90	78
S215	0.0	0	200.0	90	78
S216	0.1	4	200.0	90	78
S217	0.0	0	200.0	90	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2186	0.1	250	2.7	65	70
S2187	0.2	250	7.6	64	69
S2188	0.1	250	3.7	64	69
S2189	0.2	250	9.6	64	69
S2190	1.4	250	54.8	68	71
S2191	4.1	250	162.8	69	71
S2192	3.7	250	146.9	62	69
S2193	0.3	250	11.4	69	70
S2194	3.5	250	140.0	61	69
S2195	0.3	250	12.1	3	56
S2196	0.3	250	10.7	69	71
S2197	0.1	250	5.7	68	71
S2198	0.2	250	7.2	65	70
S2199	4.7	250	189.0	63	69
S2200	0.4	250	16.7	63	69
S2201	0.0	250	0.5	90	78
S2202	0.4	250	16.1	66	70
S2203	0.2	250	8.3	71	72
S2204	0.0	250	1.2	90	78
S2205	0.1	250	3.8	89	78
S2206	0.1	250	2.1	88	78
S2207	0.4	250	14.6	67	71
S2208	1.8	250	71.9	68	71
S2209	2.8	250	110.7	66	70
S2210	0.1	250	4.9	89	78
S2211	1.8	267	68.2	88	78
S2212	0.1	250	5.1	71	72
S2213	0.1	250	4.8	79	75
S2214	0.1	250	2.6	68	71
S2215	0.0	250	0.2	90	78
S2217	2.7	250	107.1	65	73
S2218	0.0	250	0.4	90	78
S2219	3.0	250	120.0	65	73
S2220	0.3	250	10.0	66	73
S2221	0.3	250	12.6	65	73
S2222	0.2	250	6.3	64	73
S2223	0.1	250	4.8	72	75
S2224	0.2	250	8.6	71	74
S2225	0.6	250	24.4	67	74
S2226	0.0	250	0.3	90	78
S2227	2.4	250	97.2	65	73
S2228	0.1	250	3.9	72	75
S2229	0.1	250	2.8	86	78
S2230	1.8	250	70.3	69	72
S2231	1.3	250	53.7	66	73
S2232	0.3	250	13.1	61	70
S2234	0.2	250	6.6	69	74
S2235	0.2	250	7.4	73	73
S2236	0.2	250	6.8	67	70
S2237	0.3	250	12.1	68	71
S2238	0.3	250	10.3	64	69
S2239	0.0	250	0.3	90	78
S2240	0.0	250	0.7	90	78
S2241	0.7	250	27.0	67	70
S2242	0.8	250	33.1	72	74
S2243	0.3	250	10.2	64	69
S2244	0.3	250	12.7	66	71
S2245	0.3	250	12.1	67	73
S2246	0.3	250	12.8	64	73
S2248	3.6	250	145.8	68	74
S2249	2.0	250	78.4	66	73
S2250	0.4	250	17.2	68	74
S2251	0.0	250	0.2	90	78
S2252	0.3	250	11.5	69	74
S2253	0.5	250	18.4	67	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S235	0.0	0	200.0	90	78
S245	0.0	1	200.0	90	78
S903	0.0	1	200.0	90	78
S3583_2	0.2	197	11.4	86	77
S3580_2	0.5	217	24.1	83	75
S156	0.0	2	200.0	90	78
S1143	0.6	28	200.0	65	70
S162_3	0.8	187	43.2	65	70
S148_1	0.1	149	4.4	84	76
S148_2	0.2	393	4.4	65	70
S144_1	0.6	155	37.4	66	70
S144_2	0.4	95	37.4	65	70
S4885_1	0.5	51	105.2	14	44
S4885_2	2.1	199	105.2	11	52
S144	0.0	1	200.0	90	78
S1114_1	0.2	19	130.7	68	71
S1114_2	3.1	235	130.7	68	68
S4949_1	30.3	1513	200.0	46	74
S4949_2	20.6	1028	200.0	46	73
S2554_1	0.1	68	9.7	82	75
S2554_2	0.2	196	9.7	82	75
S148	0.1	4	200.0	80	74
S151	0.6	30	200.0	80	74
S244_1	0.7	161	42.1	70	72
S244_2	0.4	89	42.1	68	71
S240_1	0.7	248	29.1	69	71
S1210_1	0.9	145	63.0	65	70
S1210_2	0.7	105	63.0	64	69
S2636_1	0.2	9	200.0	84	76
S2636_3	0.0	2	200.0	90	78
S2636_4	0.0	1	200.0	90	78
S140_1	0.1	20	37.2	78	74
S140_2	0.9	230	37.2	65	70
S142_1	0.2	82	24.6	69	71
S142_2	0.4	168	24.6	66	70
S121_1	0.8	168	45.7	67	70
S121_2	0.4	82	45.7	66	70
S120_1	0.4	88	42.1	65	70
S120_2	0.7	162	42.1	66	70
S132_1	0.2	74	27.0	75	72
S132_2	0.5	176	27.0	67	70
S135_1	0.0	5	33.2	90	78
S135_2	0.8	245	33.2	67	71
S171_2	0.8	207	37.0	66	70
S171_3	0.0	7	37.0	70	70
S171_4	0.2	42	37.0	70	70
S3457_1	0.2	155	11.0	17	59
S3457_3	0.0	19	11.0	70	70
S3449_1	0.6	206	29.7	70	70
S3449_2	0.7	226	29.7	70	70
S4820_3	0.7	50	130.7	67	55
S4821_2	1.6	176	91.4	1	56
S120	5.6	280	200.0	19	60
S2535_1	0.7	67	104.5	0	55
S2535_2	1.9	183	104.5	0	55
S2537_1	2.3	228	100.4	0	55
S2537_2	0.2	22	100.4	1	56
S4818_1	0.1	52	25.4	90	78
S4818_2	0.5	198	25.4	90	72
S121	0.4	18	200.0	0	55
S132	0.2	9	200.0	16	59
S135	0.6	29	200.0	68	72
S140	0.2	12	200.0	66	72
S142	0.1	4	200.0	79	74
S162	0.1	7	200.0	68	72

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2254	1.9	250	76.6	66	73
S2256	0.9	250	34.4	60	72
S2257	1.0	250	40.3	61	72
S2258	5.0	250	201.4	70	74
S2259	5.5	250	220.7	66	73
S2260	0.5	250	20.0	65	73
S2261	0.0	250	0.7	90	78
S2262	0.1	255	3.3	63	73
S2263	0.9	250	36.4	67	73
S2264	0.2	250	6.1	62	72
S2265	0.0	250	0.3	90	78
S2266	0.1	250	4.9	90	78
S2267	0.1	250	5.0	90	78
S2268	0.2	250	7.3	90	78
S2269	0.4	250	16.7	75	74
S2271	0.8	250	33.6	71	73
S2272	4.6	250	184.7	73	72
S2273	5.1	250	204.7	78	73
S2274	0.2	250	9.7	74	72
S2275	1.3	250	50.5	72	73
S2276	5.3	250	213.8	78	74
S2278	0.5	250	20.8	74	74
S2279	0.8	250	32.6	73	74
S2280	0.6	250	22.8	74	74
S2281	0.5	250	21.2	71	73
S2282	0.3	250	13.8	72	73
S2283	0.6	250	25.9	71	73
S2284	0.5	250	20.4	75	74
S2285	1.3	250	53.2	73	74
S2286	0.7	250	29.1	73	74
S2287	0.6	250	25.9	73	74
S2288	0.6	250	25.2	72	73
S2289	0.0	250	0.7	90	78
S2290	0.4	250	16.5	71	73
S2291	0.5	250	18.6	71	73
S2292	0.6	250	22.3	71	73
S2293	0.4	250	17.8	71	73
S2294	0.0	250	1.1	76	75
S2295	0.7	250	27.7	73	74
S2296	0.5	250	20.6	72	73
S2297	1.2	250	49.8	72	73
S2298	0.5	250	20.7	73	74
S2300	1.7	250	68.7	81	75
S2299	0.6	250	23.3	73	74
S2302	0.4	250	15.8	74	74
S2303	0.7	250	26.4	83	76
S2304	0.7	250	29.9	82	76
S2305	13.2	250	526.4	76	75
S2306	0.5	250	20.1	60	72
S2307	0.5	250	20.3	64	73
S2308	0.6	250	24.8	63	73
S2309	0.5	250	21.7	65	73
S2310	0.1	250	3.1	82	77
S2311	0.2	250	7.7	60	72
S2312	0.3	250	13.7	60	72
S2313	0.3	250	12.9	64	73
S2314	0.1	250	3.5	90	78
S2315	0.0	250	0.7	90	78
S2316	0.2	250	7.3	87	78
S2317	0.2	250	6.7	60	72
S2318	0.1	250	2.4	69	74
S2319	0.3	250	11.8	60	72
S2320	0.0	250	1.7	60	72
S2321	1.3	250	53.8	60	72
S2322	2.1	250	85.4	83	76

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3849_2	0.3	240	10.6	0	55
S171	0.0	1	200.0	0	55
S240	0.0	2	200.0	55	69
S244	0.1	3	200.0	22	61
S1114	0.1	7	200.0	78	74
S1144	0.4	19	200.0	83	76
S1145	0.1	3	200.0	90	78
S1147	0.0	1	200.0	89	78
S1154	0.0	6	50.0	80	70
S1181	0.0	1	200.0	90	78
S1186	0.1	4	200.0	90	78
S3478_1	0.4	186	23.7	69	72
S3478_2	0.2	64	23.7	86	76
S3486_1	0.7	198	34.5	68	71
S3486_2	0.2	52	34.5	76	73
S626_1	0.6	156	37.7	62	75
S626_2	0.4	94	37.7	81	71
S653_1	0.2	62	39.8	90	73
S653_2	0.7	188	39.8	74	70
S626	0.1	3	200.0	80	72
S653	0.0	1	200.0	70	78
S1205	0.0	0	200.0	90	78
S1405_6	0.8	39	200.0	1	62
S1405_1	0.2	8	200.0	0	55
S1405_7	0.2	9	200.0	9	58
S2389_1	3.9	241	160.6	77	75
S2389_2	0.1	9	160.6	88	78
S1210	2.1	107	200.0	70	71
S1254	4.4	222	200.0	70	71
S2393_1	1.6	97	168.8	71	71
S2393_2	2.6	153	168.8	73	73
S1405_8	0.9	47	200.0	82	75
S1405_9	0.1	7	200.0	89	78
S1405_10	0.1	5	200.0	88	77
S4309_1	0.8	42	200.0	90	78
S4312_1	1.0	170	56.9	71	73
S1276	0.9	47	200.0	70	73
S1277	0.8	40	200.0	90	78
S1279	0.9	45	200.0	78	75
S1348_1	0.9	117	78.1	1	63
S1348_2	1.0	133	78.1	0	63
S1381_1	0.3	92	33.4	72	75
S1381_2	0.5	158	33.4	69	74
S1348	0.0	2	200.0	89	78
S1381	0.0	2	200.0	81	76
S1377_1	4.0	204	193.6	67	74
S1404_1	4.2	242	174.7	68	74
S1377	1.1	53	200.0	65	73
S1360_1	0.4	30	117.2	64	73
S1360_2	2.6	220	117.2	67	74
S1505_1	0.8	72	113.8	67	73
S1505_2	2.0	178	113.8	67	74
S1369_1	2.3	80	289.8	67	74
S1369_2	4.9	170	289.8	67	74
S1453_1	0.8	18	425.9	62	73
S1453_2	0.3	7	425.9	66	71
S1453_3	9.6	225	425.9	68	74
S1482_1	0.5	96	51.9	69	73
S1482_2	0.8	154	51.9	68	71
S1476_1	0.3	15	206.3	68	71
S1476_2	4.8	235	206.3	63	69
S1455_1	0.2	5	420.7	26	67
S1455_2	10.2	243	420.7	67	74
S2415_1	0.3	142	21.4	69	74
S2415_2	0.2	108	21.4	62	72

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2323	0.3	250	12.1	80	75
S2327	0.8	250	32.1	80	75
S2328	0.2	250	8.3	67	73
S2329	0.5	250	18.7	81	76
S2330	0.0	250	1.9	87	78
S2331	0.0	250	0.6	16	66
S2332	0.0	250	0.3	90	78
S2333	0.6	250	23.2	82	76
S2334	0.6	250	25.3	65	73
S2335	8.2	250	328.7	81	76
S2336	3.2	250	126.0	80	75
S2337	1.7	250	68.6	62	73
S2338	8.0	250	319.2	63	73
S2339	5.8	250	232.8	74	74
S2340	0.9	250	36.5	74	74
S2341	1.7	250	69.7	74	74
S2342	0.5	250	18.9	73	74
S2344	0.3	250	13.0	76	74
S2345	0.0	250	1.6	89	78
S2346	1.7	254	67.7	74	74
S2347	1.1	250	42.1	71	73
S2348	13.8	250	552.5	82	76
S2349	5.6	250	225.7	88	78
S2350	4.7	181	261.8	86	77
S2351	1.8	250	71.2	70	73
S2352	0.3	250	12.6	71	73
S2353	0.9	250	35.3	70	73
S2354	1.1	250	44.2	73	74
S2355	0.2	250	7.0	76	75
S2356	0.1	250	3.9	81	76
S2357	0.1	250	4.0	79	75
S2358	0.8	250	33.6	73	74
S2359	14.6	250	584.5	72	73
S2361	4.9	250	195.3	73	73
S2362	3.0	250	118.9	76	74
S2363	4.4	250	177.6	74	74
S2364	0.7	250	28.6	75	74
S2365	1.3	250	53.9	72	73
S2366	1.5	250	60.9	71	73
S2367	1.7	250	66.2	71	73
S2369	1.5	250	59.9	71	73
S2370	0.2	250	9.6	89	78
S2371	2.2	250	87.1	72	72
S2372	2.1	252	83.4	72	71
S2373	1.8	250	73.4	72	71
S2375	1.0	250	39.6	72	71
S2376	1.8	250	70.9	72	71
S2377	1.6	250	63.7	73	72
S2378	3.1	279	112.3	74	74
S2379	0.7	250	28.0	72	73
S2380	3.6	250	142.9	72	72
S2381	2.2	250	89.0	72	72
S2382	0.5	250	18.4	72	72
S2383	1.0	250	41.2	71	73
S2384	0.5	250	20.5	72	73
S2385	0.0	250	1.7	83	76
S2386	0.0	250	0.1	88	78
S2387	0.9	250	35.1	81	76
S2390	0.1	250	2.7	88	78
S2391	0.8	250	33.7	71	71
S2394	1.2	250	46.3	73	71
S2395	1.1	250	44.4	73	72
S2400	0.6	250	24.6	71	71
S2401	0.0	250	0.6	90	78
S2402	0.9	250	36.2	71	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2416_1	0.1	69	20.0	61	72
S2416_2	0.4	181	20.0	67	74
S4298_1	1.7	36	464.9	75	74
S4298_3	1.0	21	464.9	74	74
S4298_5	5.4	116	464.9	73	72
S4298_6	0.4	9	464.9	70	73
S4298_2	0.0	1	464.9	72	73
S4298_7	3.1	67	464.9	72	73
S2360_1	2.3	151	151.0	83	76
S2360_2	1.5	99	151.0	71	73
S1360	0.2	12	200.0	86	77
S1471_1	1.6	72	223.3	30	64
S1471_3	4.0	177	223.3	69	73
S1369	5.3	267	200.0	90	78
S1404	0.2	12	200.0	84	77
S2343_1	0.1	28	26.6	82	76
S2343_3	0.5	189	26.6	72	73
S2326_2	0.4	243	16.6	79	76
S1405	1.2	60	200.0	80	75
S2301_1	1.0	107	95.3	90	78
S2301_2	1.4	143	95.3	74	74
S4893_2	0.3	25	142.4	16	65
S4893_3	3.0	213	142.4	10	57
S4893_4	0.2	12	142.4	1	65
S2216_1	1.5	160	90.6	69	74
S2216_2	0.8	90	90.6	63	72
S1660_1	0.3	124	26.0	69	74
S1660_2	0.3	126	26.0	61	72
S1663_2	1.2	32	365.5	66	73
S1663_4	6.3	172	365.5	62	72
S1663_5	1.7	46	365.5	17	66
S1663_6	5.8	210	275.6	67	73
S1661_1	1.4	56	246.9	67	73
S1661_2	5.9	238	246.9	67	73
S1662_1	3.9	80	487.7	38	67
S1662_3	10.9	224	487.7	49	70
S1626_1	6.2	219	283.1	63	72
S1453	1.2	61	200.0	66	70
S2025_1	0.3	119	26.5	73	75
S2025_2	0.3	131	26.5	63	73
S5012_1	1.3	66	200.0	90	66
S5012_2	1.3	67	200.0	16	64
S1974_1	1.4	203	66.5	65	73
S1975_1	1.1	220	50.8	66	73
S1455	0.5	24	200.0	62	73
S2374_2	1.2	247	50.1	72	71
S2374_3	0.0	3	50.1	87	77
S2374_4	0.0	3	50.1	86	77
S2368_1	3.5	188	184.2	72	73
S2368_2	1.1	62	184.2	73	74
S1639_1	1.0	75	133.7	66	73
S1639_2	2.3	175	133.7	85	77
S4256_1	0.7	249	27.6	72	73
S4256_2	0.0	5	27.6	90	78
S2277_1	0.4	19	226.7	71	73
S2277_2	5.2	231	226.7	72	73
S2270_1	2.4	64	370.7	75	73
S4278_1	3.3	146	225.0	75	73
S4278_3	0.6	26	225.0	78	74
S4278_2	1.0	44	225.0	76	73
S4278_4	1.1	49	225.0	76	74
S4278_6	0.9	41	225.0	77	73
S2270_3	7.5	202	370.7	74	72
S2270_4	0.4	11	370.7	86	77
S4235_1	6.8	261	259.4	76	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2403	5.9	250	236.3	72	73
S2404	3.5	250	138.4	71	73
S2405	0.5	250	19.8	72	73
S2406	0.4	250	16.0	71	73
S2407	0.6	250	24.7	71	73
S2408	0.4	250	17.1	71	73
S2409	1.1	250	42.1	71	73
S2410	1.6	250	62.9	71	73
S2411	1.0	250	38.1	71	73
S2412	3.6	251	145.2	70	73
S2413	9.7	251	387.0	74	74
S2414	0.1	316	3.6	75	74
S2417	1.8	250	71.4	76	75
S2418	0.1	250	3.1	90	78
S2419	1.0	250	39.7	80	75
S2420	4.4	250	174.7	67	74
S2421	0.3	582	4.5	61	72
S2422	2.2	250	88.0	72	74
S2423	0.5	250	19.1	73	74
S2424	0.4	250	16.2	73	74
S2425	1.1	250	43.5	71	73
S2426	1.1	250	45.4	73	74
S2427	0.9	250	35.6	75	74
S2428	0.7	250	29.1	76	73
S2430	0.6	250	23.7	74	74
S2431	0.1	250	5.5	60	72
S2432	0.1	250	2.2	88	78
S2433	0.0	250	0.3	73	75
S2434	0.9	250	34.6	74	74
S2435	0.0	250	0.4	84	77
S2436	0.2	250	9.6	90	78
S2437	0.0	250	0.8	87	78
S2438	0.1	250	2.9	90	78
S2439	0.0	250	1.6	90	78
S2440	0.0	250	0.2	90	78
S2441	0.0	250	0.2	90	78
S2442	0.0	250	0.7	90	78
S2443	0.0	250	0.2	90	78
S2444	3.0	250	118.6	70	73
S2445	1.8	250	73.3	80	76
S2446	2.0	250	80.0	71	73
S2447	1.9	250	75.7	71	73
S2448	0.6	250	25.1	72	73
S2449	1.3	250	53.1	73	73
S2450	0.5	250	21.4	73	73
S2451	5.4	218	248.0	71	72
S2452	0.6	250	25.6	72	73
S2453	1.1	250	43.8	70	73
S2454	1.5	250	58.1	71	71
S2455	5.6	250	225.2	27	67
S2456	0.4	250	15.8	63	69
S2457	0.2	250	7.8	62	69
S2458	0.2	250	9.4	62	69
S2459	0.3	250	11.6	63	69
S2460	0.6	250	24.5	81	74
S2461	0.8	250	30.1	80	74
S2462	0.7	250	29.4	80	74
S2463	0.4	250	16.5	62	72
S2465	0.5	250	19.9	63	73
S2466	0.1	250	5.6	68	74
S2467	0.0	250	0.1	62	72
S2469	0.3	250	11.5	67	74
S2470	0.2	250	6.7	73	75
S2471	0.0	250	0.4	90	78
S2472	22.6	250	905.1	49	71

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S4235_2	0.4	14	259.4	87	77
S4236_1	5.7	202	281.0	74	72
S4236_2	1.5	54	281.0	72	71
S4987_1	1.2	61	200.0	71	72
S4987_3	1.2	58	200.0	73	73
S4987_4	5.3	264	200.0	76	71
S4228_1	0.0	62	3.8	89	78
S4228_2	0.1	215	3.8	88	78
S1471	0.1	3	200.0	76	76
S1476	0.1	5	200.0	74	74
S1482	0.0	2	200.0	79	75
S1505	0.1	3	200.0	70	73
S4205_2	6.4	206	312.1	0	68
S4205_3	0.8	26	312.1	4	71
S4205_4	1.5	47	312.1	2	67
S4989_1	2.1	106	200.0	72	76
S4989_4	0.2	8	200.0	73	78
S4989_2	7.0	352	200.0	81	74
S4989_5	3.2	159	200.0	90	74
S5000_2	4.3	214	200.0	0	70
S5000_3	0.3	17	200.0	40	74
S5000_1	6.9	347	200.0	71	69
S5000_5	1.6	82	200.0	43	74
S4995_2	16.4	821	200.0	1	69
S4995_3	6.2	309	200.0	9	68
S4995_4	7.1	355	200.0	2	66
S4160_1	0.4	83	47.4	77	76
S4160_2	1.4	298	47.4	90	78
S4187_1	0.1	146	4.9	86	78
S4187_2	0.1	104	4.9	90	78
S4998_1	0.1	3	200.0	6	65
S4998_2	2.8	142	200.0	14	60
S4999_2	5.2	259	200.0	12	71
S4999_4	10.0	500	200.0	5	70
S4999_5	12.1	605	200.0	1	68
S4999_3	17.1	854	200.0	5	63
S4999_1	15.5	774	200.0	2	70
S4999_7	18.2	912	200.0	11	69
S2124_1	0.5	104	47.2	65	73
S2124_2	0.7	146	47.2	73	75
S2147_2	0.0	196	1.3	37	69
S2147_3	0.0	26	1.3	77	76
S2147_4	0.0	28	1.3	55	72
S2178_1	0.2	28	85.2	64	69
S2178_2	1.9	222	85.2	67	70
S2062_1	0.6	128	46.1	62	73
S2062_2	0.6	122	46.1	71	74
S1512	0.0	0	200.0	90	78
S1515	0.0	1	200.0	90	78
S4120_1	0.6	170	37.5	9	65
S1984_1	0.3	101	34.5	61	72
S1984_3	0.5	155	34.5	67	74
S1625	37.4	1870	200.0	25	63
S5009_7	3.7	184	200.0	65	64
S5009_6	1.5	75	200.0	46	69
S5009_9	10.3	514	200.0	0	67
S5009_8	4.0	200	200.0	39	49
S5009_3	7.5	376	200.0	5	44
S5009_11	9.4	468	200.0	1	49
S1936_1	1.9	218	86.4	66	73
S1936_2	0.3	34	86.4	90	78
S1938_1	2.8	217	127.5	62	73
S1938_2	0.4	33	127.5	67	73
S1940_1	0.6	95	67.6	73	75
S1766_2	6.7	250	267.0	67	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2473	4.0	250	158.4	67	72
S2474	5.9	250	235.6	72	73
S2475	3.0	250	119.4	71	72
S2476	5.7	250	227.8	68	72
S2477	0.2	250	8.9	76	74
S2478	1.0	250	41.1	56	68
S2479	0.7	250	27.8	67	70
S2480	0.1	250	3.7	90	78
S2481	6.3	250	253.3	54	75
S2482	12.2	251	487.6	74	72
S2483	0.2	276	6.1	89	78
S2484	0.4	250	16.8	67	70
S2485	0.5	250	20.4	64	70
S2486	0.5	250	20.9	66	70
S2487	0.4	250	17.1	65	70
S2488	0.6	250	23.2	63	69
S2489	5.7	250	227.2	67	71
S2490	1.1	250	42.6	71	71
S2491	4.8	250	190.4	71	71
S2492	0.9	250	34.6	71	71
S2493	1.3	250	53.1	72	71
S2494	0.0	250	0.3	85	76
S2495	2.2	250	89.4	71	73
S2496	1.4	250	54.7	71	74
S2497	2.0	250	81.5	71	73
S2498	2.1	250	82.5	71	72
S2499	1.0	250	39.8	72	72
S2500	1.5	250	59.6	72	71
S2501	0.7	250	26.5	74	72
S2502	0.9	250	37.3	74	72
S2503	1.4	250	56.9	73	72
S2504	0.1	250	2.4	88	78
S2505	1.1	250	42.2	73	72
S2506	0.3	250	10.8	70	70
S2507	0.4	250	17.8	70	70
S2509	0.5	390	12.5	70	70
S2513	1.3	250	51.7	71	71
S2514	1.6	250	65.6	72	71
S2515	0.8	250	32.7	72	71
S2516	1.2	250	49.8	73	72
S2523	0.2	250	8.5	86	77
S2517	1.7	515	33.4	80	74
S2525	2.7	250	107.7	71	74
S2526	0.8	250	32.4	45	75
S2527	1.0	250	38.9	45	75
S2529	2.6	250	102.1	49	75
S2530	1.8	250	71.5	0	55
S2531	3.1	256	119.6	46	73
S2536	3.4	250	135.3	3	56
S2538	0.4	250	17.7	3	56
S2539	1.8	250	72.9	62	69
S2540	1.2	250	48.4	81	74
S2541	0.4	250	14.0	82	75
S2542	0.7	250	26.3	83	75
S2543	0.1	250	4.9	67	70
S2544	2.8	250	110.4	80	74
S2545	1.2	250	46.3	83	75
S2546	0.7	250	27.2	64	69
S2547	1.4	250	57.2	64	69
S2548	0.3	250	12.4	79	75
S2549	2.4	250	95.1	66	70
S2550	0.3	250	12.4	71	72
S2551	0.5	250	20.7	70	73
S2552	0.6	250	23.7	60	73
S2553	0.2	250	9.7	42	65

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1760_1	2.4	243	99.4	66	73
S1760_2	0.1	8	99.4	69	74
S1955_2	2.7	193	137.2	65	73
S1952_1	4.5	218	207.4	64	73
S1952_2	0.7	32	207.4	66	73
S1626	0.0	1	200.0	90	78
S1639	0.0	1	200.0	90	78
S1660	0.0	2	200.0	89	78
S1751_1	5.5	229	242.5	66	73
S1751_2	0.5	21	242.5	65	73
S1969_1	0.1	188	5.3	63	73
S1970_2	1.8	222	81.9	69	74
S1971_1	3.7	243	153.5	67	73
S1661	0.4	18	200.0	64	73
S1744_1	0.5	148	34.7	67	73
S1744_2	0.4	102	34.7	71	74
S1742_1	0.4	137	29.1	62	72
S1742_2	0.3	113	29.1	69	72
S1686_1	0.4	27	148.3	63	73
S1686_2	3.3	223	148.3	67	74
S1691_2	0.3	247	13.0	80	76
S1690_1	0.2	244	7.0	71	74
S2233_1	2.0	190	107.5	67	74
S2233_2	0.6	60	107.5	62	72
S2247_1	3.0	205	145.9	68	74
S2247_2	0.7	45	145.9	66	73
S1685_1	0.5	86	61.5	70	74
S1685_2	1.0	164	61.5	67	73
S1680_1	0.3	89	28.1	60	72
S1680_2	0.5	161	28.1	72	75
S1872_1	0.7	32	208.0	66	69
S1872_4	0.6	30	208.0	64	69
S1872_2	3.7	176	208.0	64	65
S1663	0.2	12	200.0	62	63
S1680	0.3	17	200.0	55	60
S1873_3	1.9	207	89.6	66	68
S1871_1	1.7	204	82.4	67	66
S1871_2	0.4	53	82.4	65	64
S1865_1	0.2	11	197.3	70	74
S1865_3	4.5	230	197.3	68	74
S5009_10	4.1	205	200.0	39	51
S1685	0.2	9	200.0	42	55
S1789_1	0.3	116	28.9	60	62
S1789_2	0.4	134	28.9	60	62
S1798_1	0.2	34	48.5	87	78
S1798_2	1.1	222	48.5	73	74
S1801_1	0.0	3	5.9	84	77
S1801_2	0.1	247	5.9	86	78
S1800_1	0.3	95	35.6	82	76
S1800_2	0.6	155	35.6	84	76
S1796_1	0.1	79	14.0	89	78
S1795_2	2.0	224	89.3	66	73
S1686	0.4	22	200.0	69	72
S1690	0.6	29	200.0	80	75
S1884_1	0.2	26	65.8	67	74
S1884_2	1.5	229	65.8	66	73
S1691	0.1	3	200.0	86	78
S1782_1	0.5	80	65.8	68	74
S1782_2	1.1	170	65.8	66	71
S1707_1	5.5	132	417.3	68	74
S1707_3	1.1	27	417.3	69	74
S1707_2	1.1	26	417.3	57	72
S1707_5	2.7	65	417.3	55	73
S1593	0.0	1	200.0	89	78
S1707	0.0	1	200.0	90	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2555	0.7	296	22.0	80	74
S2556	0.8	358	21.1	80	74
S2560	0.7	250	27.8	80	74
S2562	4.6	250	182.4	67	71
S2563	0.1	250	2.9	65	70
S2564	0.4	250	17.9	71	72
S2565	0.0	250	0.2	87	77
S2566	0.2	250	6.8	66	73
S2567	0.2	250	8.3	69	74
S2568	0.0	250	1.6	89	78
S2569	0.1	250	5.9	71	74
S2570	0.0	250	0.3	90	78
S2571	0.1	250	4.9	67	73
S2572	0.3	250	10.5	65	73
S2573	0.1	250	3.0	66	73
S2574	0.1	250	5.6	67	73
S2575	0.2	250	9.0	66	73
S2576	0.2	250	10.0	68	74
S2577	6.7	250	270.0	29	65
S2578	1.2	250	49.7	66	73
S2579	0.3	250	11.9	69	74
S2580	0.4	250	14.4	69	74
S2581	0.1	250	2.5	89	78
S2582	2.5	250	100.4	67	71
S2583	0.2	250	6.2	71	72
S2584	0.1	250	4.0	90	78
S2585	0.1	250	3.3	89	78
S2586	0.5	250	18.8	43	65
S2587	0.1	250	3.0	67	71
S2588	0.6	250	23.4	71	72
S2589	0.2	250	8.3	61	70
S2590	0.2	250	9.6	68	71
S2591	0.3	250	10.4	67	70
S2592	0.3	250	12.7	65	70
S2593	0.4	250	15.1	69	71
S2594	0.3	250	12.0	66	70
S2595	0.1	250	4.7	66	70
S2596	0.0	250	0.7	90	78
S2597	0.2	250	8.8	67	70
S2598	2.6	250	104.8	68	71
S2599	0.0	250	1.5	89	78
S2600	2.1	250	85.4	67	71
S2601	0.0	250	0.4	90	78
S2602	0.0	250	0.7	90	78
S2603	0.0	250	0.2	90	78
S2604	0.0	250	1.6	89	78
S2605	0.4	250	14.1	68	71
S2606	1.3	250	50.8	63	69
S2607	0.5	250	21.0	61	68
S2608	0.0	250	0.5	80	75
S2609	1.5	250	59.9	67	71
S2610	0.2	250	9.9	71	72
S2611	0.2	250	7.6	66	71
S2612	0.2	250	6.7	67	70
S2613	0.2	250	6.9	69	74
S2614	0.1	250	4.3	65	71
S2615	0.1	250	2.3	70	74
S2616	0.1	250	4.9	66	72
S2617	0.4	250	17.6	10	65
S2618	12.7	250	508.6	27	67
S2619	1.6	250	63.9	66	70
S2620	0.0	250	0.9	88	78
S2621	0.3	250	10.3	63	73
S2622	0.3	250	12.4	68	74
S2623	0.1	250	6.0	63	73

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1742	0.2	11	200.0	82	74
S1744	0.5	25	200.0	82	75
S1573_1	0.8	175	45.3	80	74
S1573_2	0.3	75	45.3	80	74
S1570_1	2.0	190	104.0	67	70
S1570_2	0.6	60	104.0	66	70
S1562_1	1.6	223	71.7	63	73
S1562_2	0.2	27	71.7	66	73
S1571_1	1.6	151	109.2	61	68
S1571_2	1.2	110	109.2	60	69
S1601_1	0.5	161	32.4	63	69
S1601_2	0.3	89	32.4	76	73
S1604_1	0.4	112	34.4	62	69
S1604_2	0.5	138	34.4	67	71
S4062_1	0.4	82	51.6	81	76
S4062_2	0.9	168	51.6	81	74
S2255_1	1.5	96	154.6	61	72
S2255_2	2.4	154	154.6	59	72
S4757_1	0.0	79	0.5	80	74
S4757_2	0.0	171	0.5	90	78
S4756_1	0.3	201	15.7	5	41
S4756_2	0.1	49	15.7	22	48
S4725_1	0.2	219	9.9	3	47
S4725_2	0.2	210	9.9	55	67
S578	0.2	10	200.0	73	78
S1563_1	0.5	120	39.9	72	75
S1563_2	0.5	130	39.9	70	74
S459_1	1.0	145	69.5	65	70
S459_2	0.7	105	69.5	67	70
S440_1	0.1	69	21.4	67	70
S440_2	0.4	181	21.4	67	70
S440	0.0	1	200.0	90	78
S459	0.1	5	200.0	90	78
S1562	0.1	4	200.0	89	78
S314	0.0	1	200.0	90	78
S1563	0.0	2	200.0	87	77
S303_1	0.5	77	65.4	68	71
S303_2	1.1	173	65.4	66	70
S396_1	0.7	109	60.0	67	70
S396_2	0.8	141	60.0	67	71
S421_1	0.4	135	27.4	71	72
S421_2	0.3	115	27.4	66	70
S303	0.0	2	200.0	90	78
S302_1	1.4	174	78.2	68	71
S302_2	0.6	76	78.2	69	71
S381_1	0.7	132	55.8	66	70
S381_2	0.7	118	55.8	72	73
S404_1	1.2	170	68.2	65	70
S404_2	0.5	80	68.2	66	70
S293_1	0.8	130	60.5	68	71
S293_2	0.7	121	60.5	68	71
S380_1	0.5	98	46.6	67	70
S380_2	0.7	152	46.6	67	70
S3641_1	0.2	137	17.5	73	72
S3641_2	0.2	113	17.5	65	70
S298_2	1.3	163	77.1	68	71
S298_3	0.3	45	77.1	74	73
S298_4	0.3	43	77.1	81	75
S297_1	1.7	247	67.5	68	71
S297_2	0.0	3	67.5	90	78
S3888_1	0.3	117	23.1	61	69
S3888_2	0.3	133	23.1	71	72
S3889_1	0.1	67	17.7	79	73
S3889_2	0.3	183	17.7	62	69
S376_1	0.3	150	17.1	65	70

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2624	0.2	250	7.4	68	74
S2626	0.3	250	13.2	65	73
S2629	5.1	250	205.3	58	72
S2630	0.4	250	15.5	66	73
S2631	0.0	250	0.4	90	78
S2632	0.4	250	14.7	65	73
S2633	7.7	250	308.2	64	73
S2634	0.3	250	13.1	64	73
S2635	3.0	250	118.1	61	73
S2639	0.2	414	4.6	65	73
S2641	0.2	344	6.1	65	73
S2643	0.3	379	6.9	65	73
S2645	0.4	419	9.8	56	72
S2646	0.4	462	7.9	45	70
S2650	0.4	278	13.3	70	74
S2651	0.8	250	31.1	65	73
S2652	0.6	275	21.5	56	72
S2654	2.1	287	73.2	63	73
S2657	2.6	250	102.7	64	73
S2658	0.1	250	2.9	64	73
S2659	0.5	250	19.2	69	74
S2660	0.2	250	8.3	72	75
S2661	0.8	250	30.6	66	73
S2662	0.2	250	8.2	75	75
S2665	0.2	250	8.7	63	73
S2666	1.5	250	60.6	68	74
S2667	3.6	428	84.4	64	73
S2668	0.3	372	9.3	69	74
S2670	0.2	250	8.6	64	73
S2671	1.3	250	51.1	66	73
S2672	0.2	251	8.8	74	75
S2678	2.4	250	94.6	69	74
S2679	7.4	250	294.0	67	74
S2680	0.2	250	9.0	88	78
S2682	1.8	570	32.2	49	72
S2684	0.3	250	10.3	62	73
S2685	1.2	250	46.9	67	73
S2686	0.9	250	36.5	68	74
S2687	0.3	250	13.7	63	73
S2688	0.2	250	7.5	64	73
S2689	0.2	250	9.2	69	74
S2690	0.7	251	28.6	67	74
S2691	2.7	250	107.6	68	74
S2693	0.3	331	8.8	72	75
S2692	0.3	250	12.8	69	74
S2695	0.3	250	10.5	71	74
S2696	0.3	250	11.5	64	73
S2694	1.4	250	56.0	66	73
S2697	1.0	250	39.1	66	73
S2698	0.2	250	6.2	65	73
S2699	0.8	250	31.7	53	71
S2704	0.2	250	6.1	72	75
S2705	1.3	250	50.4	63	73
S2706	3.5	392	88.1	61	72
S2707	2.1	250	82.6	63	73
S2708	0.4	250	17.3	60	72
S2709	0.6	250	25.3	63	73
S2711	0.4	250	17.0	67	70
S2712	0.2	250	8.2	62	69
S2713	0.2	377	4.8	64	70
S2714	0.3	250	12.3	60	70
S2715	0.1	250	5.9	52	67
S2717	0.1	250	5.7	64	70
S2718	1.5	250	60.6	66	70
S2719	0.2	250	9.8	68	71

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S376_2	0.2	100	17.1	74	73
S4457_1	0.1	107	8.8	90	78
S3607_2	1.6	225	71.5	69	71
S293	0.8	40	200.0	69	71
S297	3.9	197	200.0	53	67
S166_1	0.3	130	19.9	65	70
S166_2	0.2	122	19.9	72	72
S3880_2	0.0	119	1.6	90	78
S3872_1	0.3	240	13.3	75	73
S3872_2	0.0	10	13.3	89	78
S274_1	0.4	182	19.6	70	71
S274_2	0.1	68	19.6	69	71
S369_1	0.0	103	1.3	89	78
S369_2	0.0	177	1.3	90	78
S4442_1	0.2	71	21.8	79	72
S4442_2	0.4	179	21.8	73	69
S166	0.0	1	200.0	90	78
S274	0.0	1	200.0	90	78
S298	0.0	1	200.0	90	78
S4426_1	0.3	46	61.2	61	68
S4426_2	1.3	204	61.2	69	71
S3472_1	0.3	147	19.0	73	72
S3472_2	0.2	103	19.0	51	67
S4413_1	0.5	79	57.4	80	74
S4413_2	1.0	171	57.4	80	74
S351_1	0.0	13	24.0	90	78
S351_2	0.6	237	24.0	69	71
S277_1	0.5	128	37.9	71	72
S277_2	0.5	122	37.9	66	70
S255_1	0.6	116	52.5	65	70
S255_2	0.7	134	52.5	64	70
S3867_1	0.3	86	30.6	67	70
S3867_2	0.5	164	30.6	66	70
S255	0.0	1	200.0	90	78
S603_1	0.2	137	14.7	67	72
S648_1	0.5	217	25.2	80	68
S277	0.8	40	200.0	40	64
S302_3	0.2	10	200.0	69	71
S302_4	0.2	12	200.0	60	68
S302	0.0	0	200.0	90	78
S351	0.0	1	200.0	89	78
S341_1	0.1	129	5.9	86	76
S341_2	0.1	121	5.9	90	78
S340_1	0.5	123	43.1	74	72
S340_2	0.5	127	43.1	65	70
S334_1	0.3	47	70.0	82	74
S334_2	1.4	203	70.0	72	72
S3856_1	0.1	229	2.6	62	69
S3856_2	0.0	21	2.6	90	78
S895_2	1.4	221	62.2	66	70
S334	0.2	9	200.0	76	75
S4423_1	0.7	69	97.4	81	74
S894_2	0.5	56	93.2	74	73
S339	4.0	199	200.0	75	72
S340	1.8	88	200.0	71	71
S526_1	0.3	118	26.2	60	64
S526_2	0.3	132	26.2	62	67
S341	13.8	692	200.0	69	71
S369	3.2	158	200.0	73	74
S3190_2	0.7	204	35.7	71	73
S376	2.0	102	200.0	79	73
S3200_1	0.2	98	15.6	90	78
S3200_2	0.2	152	15.6	68	71
S3348_1	0.0	83	1.5	89	78
S3348_2	0.0	167	1.5	90	78

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2720	0.1	250	3.1	90	78
S2721	0.0	250	0.3	90	78
S2722	0.3	250	11.7	63	69
S2723	1.6	250	62.9	71	72
S2724	0.1	250	3.0	89	78
S2725	0.3	250	11.5	71	72
S2726	0.2	250	7.7	63	69
S2727	0.1	250	5.6	75	73
S2728	0.2	250	6.5	64	69
S2729	0.2	250	7.6	58	68
S2730	1.1	250	42.2	64	70
S2731	0.2	250	9.9	64	69
S2732	1.1	250	44.9	68	71
S2733	0.2	250	9.9	64	69
S2735	0.2	250	6.1	64	69
S2737	0.1	250	3.4	89	78
S2738	0.0	250	0.4	90	78
S2740	0.2	250	7.1	50	67
S2741	0.1	250	5.2	90	78
S2742	0.1	250	3.6	90	78
S2743	0.2	250	7.0	64	69
S2744	0.2	250	9.1	52	67
S2746	1.6	290	54.9	48	70
S2747	0.3	416	7.7	78	76
S2749	0.1	250	3.1	74	74
S2750	0.3	250	11.4	71	72
S2751	0.2	250	8.2	63	69
S2752	0.3	250	11.4	75	73
S2753	0.2	250	10.0	63	69
S2755	0.5	250	18.3	62	71
S2756	0.3	250	11.2	72	72
S2757	0.2	250	8.5	64	69
S2758	0.7	250	28.6	66	70
S2759	0.3	250	11.2	62	69
S2760	0.4	250	15.6	68	71
S2761	0.0	250	2.0	66	70
S2762	0.1	250	3.4	67	70
S2764	0.9	250	34.7	67	71
S2765	0.1	250	5.4	73	72
S2766	0.5	268	17.6	71	72
S2767	0.3	272	12.4	72	72
S2768	0.3	266	12.0	71	72
S2769	0.3	273	10.8	73	75
S2770	0.2	250	9.3	75	73
S2771	0.2	250	8.3	64	69
S2772	0.0	250	0.2	90	78
S2774	0.1	250	3.8	70	71
S2778	3.2	250	126.5	67	71
S2779	0.2	250	9.0	62	69
S2780	0.1	250	2.9	64	69
S2781	0.0	250	1.2	90	78
S2782	0.1	250	2.7	90	78
S2783	0.0	250	0.9	90	78
S2784	0.6	250	23.2	70	73
S2785	0.0	250	0.3	90	78
S2786	0.3	250	13.3	71	72
S2788	1.0	250	41.6	69	74
S2789	3.9	250	156.7	66	73
S2790	0.3	250	11.7	64	73
S2791	0.3	250	13.3	64	73
S2792	0.1	250	4.6	64	73
S2793	0.2	250	8.6	63	76
S2794	0.3	337	10.1	76	75
S2796	1.1	311	37.0	63	73
S2797	0.1	250	4.5	64	76

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3196_1	0.1	37	25.9	90	78
S380	0.5	23	200.0	60	69
S381	0.0	1	200.0	90	78
S396	0.0	1	200.0	89	78
S404	0.1	4	200.0	65	70
S421	0.0	1	200.0	74	73
S526	0.0	1	200.0	69	70
S603	0.1	4	200.0	90	71
S3188_1	0.0	10	23.3	76	73
S3188_2	0.6	240	23.3	66	71
S3510_2	0.2	81	27.7	84	75
S3510_3	0.4	134	27.7	81	74
S3510_4	0.1	35	27.7	80	73
S3526_1	0.4	186	22.0	82	75
S606	0.7	33	200.0	65	74
S3528_1	0.0	54	9.1	90	78
S3528_3	0.0	37	9.1	90	78
S3528_4	0.1	159	9.1	81	74
S3499_1	0.2	80	21.8	81	74
S3499_2	0.4	170	21.8	81	74
S4417_1	0.0	237	2.1	90	78
S4417_2	0.0	13	2.1	90	78
S3498_1	0.1	180	5.9	81	74
S3498_2	0.1	87	5.9	83	75
S3793_1	0.0	172	2.0	90	78
S3502_1	0.3	246	12.0	81	74
S3502_2	0.0	4	12.0	90	78
S3793_3	0.0	50	2.0	90	78
S3793_4	0.0	29	2.0	90	78
S4419_1	0.0	102	0.6	90	78
S4419_2	0.0	148	0.6	90	78
S648	0.3	13	200.0	63	74
S894	0.1	3	200.0	82	74
S895	0.2	10	200.0	80	74
S1570	0.0	2	200.0	89	78
S1571	0.0	1	200.0	90	78
S1573	0.0	1	200.0	87	77
S1601	0.0	0	200.0	90	78
S1604	0.1	4	200.0	89	78
S3794_1	0.1	57	11.1	81	74
S3794_2	0.2	199	11.1	81	74
S3469_1	0.3	158	16.8	83	75
S3469_2	0.2	92	16.8	84	75
S1751	0.0	2	200.0	90	78
S3812_1	0.0	157	2.8	87	77
S3812_2	0.0	28	2.8	90	78
S3812_4	0.0	17	2.8	90	78
S3804_1	0.0	65	5.2	80	74
S3804_2	0.1	185	5.2	80	74
S3799_1	0.2	142	17.6	80	74
S3799_2	0.2	108	17.6	80	74
S1760	0.1	6	200.0	87	77
S1762	0.1	4	200.0	88	77
S1766	0.1	5	200.0	90	78
S1789	0.3	13	200.0	84	76
S3853_1	0.3	194	16.1	82	75
S3853_2	0.1	56	16.1	83	75
S1794	0.1	5	200.0	81	74
S1782_3	0.6	31	200.0	83	75
S1782_5	0.0	2	200.0	83	75
S1782_7	0.2	9	200.0	82	74
S1782_4	0.0	0	200.0	90	78
S1782_8	0.3	14	200.0	84	75
S1782	0.5	24	200.0	85	76
S1795_1	0.3	15	200.0	81	74

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2798	0.1	250	2.9	87	78
S2799	0.0	250	1.8	89	78
S2801	2.3	260	89.2	59	73
S2804	3.9	250	157.1	65	70
S2805	2.2	250	86.5	62	69
S2806	0.3	250	12.6	69	73
S2807	0.2	250	9.8	63	70
S2808	0.0	250	0.6	90	78
S2809	0.1	250	2.7	89	78
S2810	0.0	250	0.2	90	78
S2811	0.1	250	5.4	65	73
S2812	0.1	250	2.2	65	73
S2813	0.1	250	2.2	63	72
S2814	0.1	250	5.0	65	73
S2815	1.9	250	77.9	71	74
S2816	0.7	336	19.6	67	73
S2817	1.2	250	46.3	88	78
S2818	0.4	250	15.0	70	74
S2819	0.1	250	5.7	64	73
S2820	0.9	250	35.3	67	73
S2821	0.0	250	0.1	90	78
S2822	0.0	250	1.2	87	78
S2823	0.1	250	3.7	67	74
S2825	0.9	563	15.3	65	73
S2826	0.4	250	14.7	58	72
S2827	0.1	250	3.8	67	73
S2828	0.3	250	11.6	63	71
S2829	0.2	250	8.7	68	74
S2830	0.1	250	5.8	62	72
S2831	0.1	250	2.6	69	74
S2832	0.1	263	4.6	63	73
S2836	0.1	250	2.9	88	78
S2837	0.9	250	34.5	69	74
S2838	1.7	250	66.7	67	74
S2839	1.4	250	55.3	67	73
S2840	0.6	250	23.6	67	74
S2841	0.7	250	28.3	71	74
S2842	2.0	250	79.7	69	74
S2843	0.1	250	5.4	64	73
S2844	0.2	250	8.4	87	78
S2845	0.1	250	5.5	63	73
S2846	0.1	250	5.8	64	73
S2847	6.0	250	239.1	67	73
S2848	0.4	250	15.2	66	73
S2849	0.2	250	8.2	63	73
S2850	0.4	250	17.0	67	73
S2851	0.3	250	12.4	63	73
S2852	1.7	250	68.4	55	72
S2853	0.5	250	20.3	55	72
S2854	0.2	250	9.2	65	73
S2855	0.3	250	11.5	70	74
S2856	0.3	250	10.4	65	73
S2857	0.3	250	12.8	70	74
S2858	0.3	250	12.2	70	74
S2859	0.2	250	7.7	67	73
S2860	0.0	250	1.9	69	74
S2861	0.4	309	11.5	74	75
S2862	0.3	250	11.5	66	73
S2866	0.1	250	4.3	64	73
S2868	0.3	250	12.0	69	74
S2869	0.2	250	7.4	63	73
S2870	0.3	250	12.9	63	73
S2871	0.4	250	14.5	70	74
S2873	0.6	360	16.8	34	68
S2874	0.2	250	7.9	68	74

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S1795_3	0.5	23	200.0	90	75
S1795	0.0	1	200.0	90	78
S1796_2	0.2	8	200.0	87	77
S1796_4	0.4	18	200.0	83	75
S636_1	0.1	234	4.5	90	78
S636	0.0	0	200.0	81	78
S652_1	0.1	122	10.6	67	72
S652_2	0.1	128	10.6	72	71
S654_1	0.0	31	2.6	90	78
S654_3	0.0	36	2.6	90	78
S654_4	0.0	183	2.6	89	78
S652	0.6	28	200.0	68	70
S4824_2	0.4	154	28.1	48	78
S2468_1	1.1	129	88.0	66	73
S2468_2	1.1	121	88.0	64	73
S2464_1	0.7	169	43.5	64	73
S2464_2	0.4	81	43.5	67	73
S3414_1	0.4	45	78.0	45	75
S3414_2	1.7	222	78.0	45	75
S3415_1	1.2	122	95.1	52	76
S3415_2	1.2	128	95.1	46	75
S3423_2	0.0	15	14.8	72	77
S3423_3	0.0	18	14.8	86	78
S3423_4	0.3	218	14.8	77	77
S3426_1	1.8	103	173.1	45	75
S3426_2	2.6	149	173.1	45	74
S3424_1	11.7	211	555.4	55	76
S3424_2	2.2	39	555.4	51	75
S621	0.0	2	200.0	84	77
S3122_1	0.0	92	1.0	72	72
S3122_2	0.0	193	1.0	60	68
S697_1	0.1	246	3.6	90	71
S3401_1	0.4	243	17.6	70	70
S3401_2	0.0	12	17.6	61	68
S704_1	0.7	196	37.9	90	70
S704_2	0.2	54	37.9	66	71
S668_1	0.6	95	59.4	90	73
S668_2	0.9	155	59.4	66	73
S4017_1	0.4	174	20.8	65	70
S4017_2	0.2	76	20.8	66	70
S744_1	4.6	236	192.6	61	68
S744_2	0.3	14	192.6	71	72
S835_1	0.9	168	51.4	66	70
S835_2	0.4	82	51.4	69	71
S840_1	1.6	240	67.4	63	69
S840_2	0.1	10	67.4	89	78
S3374_1	0.8	223	36.0	60	68
S3374_2	0.1	27	36.0	60	68
S719_1	0.4	186	23.4	90	71
S719_2	0.2	87	23.4	68	72
S729_1	0.1	106	8.5	80	74
S729_2	0.2	194	8.5	84	75
S723_1	0.2	191	12.5	65	70
S723_2	0.1	59	12.5	89	78
S862_1	0.1	163	8.8	65	70
S862_2	0.1	87	8.8	64	69
S654	0.0	0	200.0	66	78
S668	0.0	0	200.0	73	78
S681	0.0	0	200.0	60	78
S697	0.0	1	200.0	61	78
S704	0.0	0	200.0	68	78
S719	0.0	1	200.0	65	78
S723	0.0	1	200.0	90	78
S3227_1	0.2	135	18.2	69	71
S3227_2	0.3	145	18.2	67	70

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2875	0.2	250	7.3	65	73
S2876	0.2	250	8.3	69	74
S2877	0.2	259	7.3	64	73
S2879	0.3	354	9.0	67	73
S2881	0.3	370	8.5	66	73
S2883	0.2	356	4.7	67	73
S2885	0.4	432	8.6	67	74
S2888	2.1	260	80.0	66	72
S2890	0.4	286	12.3	72	74
S2892	0.2	250	8.6	54	71
S2893	0.0	250	2.0	63	73
S2894	0.2	250	6.3	63	73
S2895	0.1	250	5.4	64	73
S2896	5.0	250	198.2	66	73
S2897	0.1	250	3.6	61	72
S2899	1.5	250	60.9	67	74
S2901	0.3	250	11.6	69	74
S2902	0.3	250	12.2	70	74
S2903	0.3	250	13.4	69	74
S2904	0.0	250	1.9	64	73
S2905	0.6	542	10.5	67	73
S2907	0.5	540	9.0	67	73
S2909	0.5	518	9.5	67	73
S2914	0.7	250	26.9	89	78
S2915	1.2	250	46.3	68	74
S2916	1.4	258	52.9	68	74
S2917	0.1	278	4.2	72	74
S2918	0.5	333	14.1	70	74
S2919	0.0	250	0.1	90	78
S2921	0.0	657	0.3	90	78
S2923	3.1	250	124.8	66	71
S2924	0.1	250	3.2	74	73
S2925	0.0	250	0.9	89	78
S2926	0.1	250	3.0	69	72
S2927	0.2	250	6.2	69	71
S2928	2.1	250	85.4	63	71
S2929	0.0	250	0.4	90	78
S2930	0.3	250	10.3	36	65
S2931	0.1	250	3.4	45	67
S2932	2.2	250	88.1	64	72
S2933	0.0	250	1.4	90	78
S2934	0.2	250	6.4	65	70
S2935	0.2	250	7.6	73	72
S2936	0.1	250	5.3	72	72
S2937	0.1	250	2.4	65	72
S2938	2.8	250	110.2	63	73
S2939	2.4	250	94.4	66	73
S2940	0.3	250	13.4	60	68
S2941	3.3	250	130.3	64	71
S2942	0.0	250	0.5	90	78
S2943	0.3	250	11.4	63	69
S2944	0.3	250	10.2	55	68
S2945	0.3	250	10.7	68	71
S2946	0.3	250	10.7	63	69
S2947	0.2	250	8.3	63	69
S2948	0.1	250	3.9	75	73
S2950	6.8	250	272.8	35	70
S2951	0.1	250	2.6	69	71
S2952	0.0	250	0.2	90	78
S2949	0.5	250	18.2	72	73
S2953	0.9	255	34.8	87	77
S2954	0.0	250	0.2	87	77
S2955	1.7	250	67.1	67	71
S2956	1.3	250	50.4	68	74
S2957	1.4	253	53.7	66	72

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S3373_1	1.0	245	41.9	63	69
S3373_2	0.0	5	41.9	89	78
S3234_1	0.1	94	11.3	67	74
S3234_2	0.2	156	11.3	61	74
S728	0.5	27	200.0	75	73
S729	0.2	11	200.0	73	73
S662_1	3.0	209	144.2	59	73
S3182_3	1.3	126	106.0	48	74
S3182_2	1.3	119	106.0	50	74
S3182_4	1.1	107	106.0	49	74
S611_1	0.3	141	18.7	60	71
S611_2	0.3	140	18.7	68	71
S617_1	0.4	277	14.7	89	70
S617_2	0.3	199	14.7	67	70
S611	0.2	8	200.0	66	68
S616_1	0.0	31	8.3	64	78
S616_2	0.2	219	8.3	89	69
S2534_1	0.3	166	17.5	1	55
S2534_2	0.1	84	17.5	0	55
S2533_1	0.8	205	40.5	0	55
S2533_2	0.2	45	40.5	2	56
S3141_1	0.3	170	20.3	71	72
S3141_2	0.2	103	20.3	64	69
S3140_1	0.1	299	4.4	90	78
S3183_3	3.0	99	302.6	46	74
S3183_4	1.9	63	302.6	47	74
S807_1	0.4	100	39.2	65	70
S807_2	0.6	151	39.2	67	70
S3096_1	0.1	43	27.9	63	73
S3096_2	0.6	207	27.9	66	73
S813_1	0.1	118	11.8	66	73
S813_2	0.2	132	11.8	67	73
S819_1	0.1	172	5.2	61	72
S819_2	0.0	78	5.2	65	73
S3099_2	0.2	42	51.8	68	71
S3099_3	0.5	91	51.8	63	69
S3099_4	0.6	118	51.8	69	71
S871_1	0.8	200	40.5	68	71
S871_2	0.2	50	40.5	65	70
S616	1.3	63	200.0	66	69
S2528_1	0.3	26	101.1	45	74
S2528_2	2.4	233	101.1	45	75
S2524_1	1.7	178	95.0	84	75
S2524_2	0.8	83	95.0	83	75
S617	0.1	3	200.0	64	78
S619	0.1	7	200.0	81	77
S620	0.1	6	200.0	67	78
S4948_1	23.9	1197	200.0	45	73
S4948_2	16.3	813	200.0	51	74
S4824_3	0.2	56	28.1	83	78
S3907_1	2.4	237	99.2	46	75
S3907_2	0.2	24	99.2	67	77
S4480_1	1.1	244	46.5	1	56
S4480_2	0.1	16	46.5	0	63
S659_1	0.1	3	200.0	60	78
S659_2	0.3	13	200.0	89	73
S659	0.3	14	200.0	66	71
S3073_1	0.3	223	14.8	70	74
S3073_2	0.0	27	14.8	87	78
S983_1	0.3	133	24.4	72	75
S983_2	0.3	117	24.4	67	73
S1919_1	0.1	81	13.2	60	61
S1919_2	0.2	186	13.2	59	61
S1271_1	0.5	69	78.0	46	65
S1271_2	1.4	181	78.0	66	72

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
S2960	0.1	250	4.1	66	70
S2961	0.1	250	4.9	64	70

Name	Area (ha)	Width (m)	Flow Length (m)	Imperv. (%)	Curve Number
s72.	1.3	1094	11.6	76	75