

DISCUSSION PAPER

Capital Regional District Core Area Wastewater Management Program

Wastewater Flow Management Strategy Discussion Paper – Design Flow Tables 033-DP-2

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1 Introduction

A key task is to develop preliminary design flows for the proposed treatment plant locations and required conveyance facilities. The previous Discussion Paper 033-DP-1 detailed the required source information, including existing and future populations, industrial/commercial/institutional equivalents, and inflow and infiltration (I&I). The purpose of this document is to outline the methodology and show the results of the design flow calculations.

2 Results Presentation

The results of the flow calculations are presented in three separate formats. In order of increasing detail, they are:

- Average annual flow summary – shows a rollup estimate of the major flow components by Municipality;
- Design flow map – shows a rollup of design flows at key locations throughout the CRD; and,
- Design flow tables – presented at the back of this document, detailed section-by-section flow estimates for the major CRD collection systems, presented by design horizon and I&I return period.

3 Document Reference

This document uses the same set of references that are provided in Table 1 of 033-DP-1 – “Existing and Future Populations, ICI Equivalents, and I&I”.

4 Definitions

The following provides definitions of the calculated values used and presented throughout this document:

4.1 Base Sanitary Flow Definitions

“Population” or “Residential Population” – an estimate of the number of people living or expected to live in a given catchment.

“ICI Equivalents” or “ICI” – an estimate of the contribution of flow from industrial, commercial, and institutional activities, expressed as a number of fulltime residential population equivalents.

“Total Population Equivalents” = “Residential Population” + “ICI”.

“Per-Capita Rate” – the average flow associated with each “Total Population Equivalent”, expressed as L/pe/day.

“Average Domestic Flow” or “ADF” – the average flow coming purely from the “Total Population Equivalents”, i.e. excludes all sources of I&I.

“Peak Domestic Flow” or “PDF” – the peak flow coming purely from the “Total Population Equivalents”, i.e. excludes all sources of I&I. Expressed as a short duration average, (i.e. 15-minutes), suitable for use in hydraulic design.

“Peaking Factor” or “PF” – the ratio of PDF/ADF, usually calculated as 80% of the Harmon equation:

$$PF = 0.8(1 + 14/(4+P^{0.5}))$$

Where P = Total Population Equivalents in thousands

The exception to this is on the NET/ECI system, where flow monitoring results generally found that inline flows along the ECI were better estimated using 100% of the Harmon equation.

“Summer Groundwater Infiltration” or “GWI_{summer}” – groundwater that infiltrates into the collection system during the driest months of the year.

“Average Dry Weather Flow” or “ADWF” = ADF + GWI_{summer}.

“Tributary Area” or “Area” – the estimated sewered land area associated with a catchment.

4.2 Wet Weather Flow Definitions

For an explanation of durations and return periods for I&I, please refer to the “Inflow & Infiltration (I&I) Estimates” section later in this document.

“Winter Groundwater Infiltration” or “GWI_{winter}” – groundwater that infiltrates into the collection system during the wettest months of the year.

“Rainfall Dependent Infiltration & Inflow” or “RDI&I” – rainwater that infiltrates (via defects) or inflows (via improperly connected roof leaders/basins/etc.) to the collection system. Expressed as a return period based value (i.e. 25-Year Return RDI&I).

“Inflow & Infiltration” or “I&I” = RDI&I + GWI_{winter}. Expressed as a return period based value (i.e. 25-Year Return I&I).

“Peak Wet Weather Flow” or “PWWF” = PDF + I&I. Expressed as a return period based value (i.e. 25-Year Return PWWF).

“Average Annual Flow” or “AAF” – an estimate of the total flow at a given site for an entire year, including both dry and wet periods.

5 Scenarios

This document currently uses a “Base Case” scenario as follows:

- Design Horizons of 2005, 2015, 2030, 2045, and 2065;
- Wet weather return periods of 2, 5, 10, 25, and 100 years;
- Base case I&I (i.e. constant I&I rates, no infrastructure decay or rehabilitation); and,
- Collection system topology is presented as it was in 2005, without future WWTPs or diversions such as the Trent Street Pump Station in place.

The Base Case is presented to provide a reference point from which further analysis and “what-if” scenarios can be tested, and maintains the most compatibility with previous studies. It is anticipated that this document will be updated to include the “selected” scenario after final details on WWTP locations and conveyance upgrades are chosen.

It is necessary to consider system topology and potential upstream WWTP locations when determining design flows for potential downstream WWTP locations. As an example, Option 1 of “Distributed Wastewater Management Scenarios” (DP 036-2) includes four treatment locations. Flows for these locations must be determined by:

- For the East Saanich WWTP, the tributary flow is from the existing Arbutus catchment. It may also take flow from the existing Penrhyn catchment depending on the outcome of site location studies.
- Flows to the Clover Point Pump Station are thus calculated by taking the Base Case flows for the current Clover Point catchment, and subtracting those from the East Saanich WWTP.
- Flows to the Macaulay Point WWTP are calculated by taking the Base Case flows for the current Macaulay Point catchment, and subtracting those from the Royal Bay WWTP. To this, the calculated flows to Clover Point Pump

Station (up to 2xADWF) must be added to account for flows being pumped over to Macaulay Point.

- Care must be taken to consider system capacity limitations when looking at interim development horizon flows. For example, both the Currie and Craigflower Pump Stations have interim capacity limitations that may affect the ability of the conveyance system to move design flows down to the lower WWTP locations.

6 Per-Capita Estimates

In previous studies, the values for per-capita flow generation (exclusive of any dry weather groundwater infiltration) have been stated as either 225 or 250 L/pe/day. Both values are used in common practice for present day values. Flow monitoring results from previous studies of the CRD have typically shown values slightly closer to 225 L/pe/day, except for Oak Bay which is closer to 250 L/pe/day. In order to maintain compatibility with the previous “NET/ECI Upgrade Capacity Deficiency Study” (KWL, May 2003), 250 L/pe/day has been maintained for Oak Bay, while 225 L/pe/day has been applied to the remaining areas. Again, these values are purely for the sewage component of the flow, excluding all I&I. The use of 225/250 L/cap/day is considered the “current usage” scenario.

For convenience, this memo also recalculates the design flows for the options that are currently being considered as part of the “Distributed Wastewater Management Scenarios” (see discussion paper DP 036-2). These options consider 2 levels of future water conservation efforts. The following table shows potential reduction in the per-capita rate that could occur, based on some design assumptions regarding current and future usage.

Table 1
Possible Domestic Per-Capita Rate Reduction for Water Conservation Efforts

Usage Component	“Current” Usage	Fixture Reduction	Fixture Reduction + Water Recycling	Comments
Toilets	5 flushes/day @ 12 L/flush = 60 L	5 flushes/day @ 6 L/flush = 30 L	5 flushes/day @ 6 L/flush = 30 L, with bath/shower water	Replace typical 12 L/flush toilets with 6 L/flush models
Clothes Washer	0.37 washes/day @ 155 L/wash = 55L	0.37 washes/day @ 50 L/wash = 19 L	0.37 washes/day @ 50 L/wash = 19 L	Replace typical washing machine with CEE Tier 3 Washers (50 L/wash)
Baths/Showers	45 L/day	45 L/day	45 L/day	Fixtures difficult to enforce so assume no change
Faucets	45 L/day	45 L/day	45 L/day	Fixtures difficult to enforce so assume no change
Dishwasher	4 L/day	4 L/day	4 L/day	Small usage so ignore
Leaks	16 L/day	16 L/day	16 L/day	
Subtotal	225 L/cap/day	160 L/cap/day	130 L/cap/day	

Under the Fixture Reduction option, starting in 2015 a 0.75% acceptance rate for existing development along with all new development is assumed. In addition, options that use Water Recycling are assumed to begin in 2020. This yields a net L/cap/day rate for the entire CRD core area of 184 L/cap/day for Fixture Reduction, and 152 L/cap/day for Fixture Reduction + Water Recycling. These values, along with the resultant intermediate values from 2015 to 2065, have been used to calculate design flow tables at the back of this document.

7 I&I Estimates

I&I estimates for almost every catchment in the CRD core area have been previously calculated. The reader is referred to 033-DP1 for a list of references and further reading.

In summary, the methodology used is termed the “I&I Envelope”. The method uses a series of flow monitored storm events to develop a correlation between the amount of rainfall that occurs and the magnitude of I&I that shows up at a given site. The method allows for estimation of return-period based flows (i.e. 2, 5, 10, 25 and 100-year return), which are required for development of design

flows.

When defining I&I rates, they are described in the following terms. As an example, let us consider the “5-Year, Peak 6-Hour I&I”:

“5-Year” – refers to the return period of I&I flow. In the previous reports where these I&I values have been calculated, the assumption is made that the rainfall return period is equivalent to the I&I flow return period. This is a key assumption of the methodology that has been previously used, termed the “I&I Envelope” method. This is a reasonable assumption given that the I&I Envelope methodology compensates for storm events with unsaturated ground conditions.

“Peak” – refers to I&I flow being average over a short duration (usually 15 minutes), to make it appropriate for use in hydraulic facilities design.

“6-Hour” – refers to the rainfall duration which provides the best correlation between observed rainfall and observed I&I flow rate. Typically larger and/or newer catchments correlate best with longer rainfall durations (12- or 24-hours). Whereas smaller and/or older catchments have shorter durations (often 2, 4, or 6-hours). The selection of the best correlation for return period is done as part of the I&I Envelope methodology.

8 Design Flow Tables

Included at the end of this document are nine sets of detailed design flow tables (3 different water conservation scenarios, each for the NET/ECI, NWT-N, and NWT-W systems). These tables permit the most flexibility for looking up values and testing scenarios. Roll-up values for other presentation methods are generally derived directly from these tables.

9 Flow Summary Map

A large format map is included with this document. This map shows rollup values from the design flow tables (current water usage rates) at key facilities and locations within the CRD system. For convenience, certain facility information (such as current pump station capacities) is provided based on previous studies.

As of this writing, certain statistics that must be calculated using dynamic computer simulation (such as overflow rates and volumes) are not shown on the map. They will be updated at a later date after 033-DP-3 – “Estimation of Frequency, Duration, and Volume of SSOs” is complete.

10 Average Annual Flow by Municipality

The final rollup presentation provides a breakdown of the AAF for each municipality, with a further estimated split into Residential, ICI, and I&I flows. This is intended for a high level assessment of the flow contribution from each Municipality for testing of various cost-sharing models. These

rollups are presented as Tables 1 and 2, and Figures 1 and 2. At the request of the CRD, two time horizons (2005 and 2030) are presented. This analysis assumes current water usage rates.

The analysis begins with calculation of the AAF at each site on the large summary map using existing flow monitoring data (2005 or 2006, depending on availability). For each site, a ratio of AAF to ADWF was calculated. This ratio was then used to factor the ADWF estimates for future years up to AAF estimates for those years.

To determine Municipal totals for a given year, the total ADF for each of the “Residential Population” and “ICI Equivalents” was removed from the total AAF to determine the remaining volume, which is assumed to be I&I. This I&I volume was then allocated to each municipality based on a ratio of the total I&I for a Municipality to the total I&I for the entire CRD Core Area. The 5-year return period I&I rate was chosen for this as it is a standard calculated value that is available at all of the locations of interest.

11 Summary

This document provides the current design flows in the CRD Core Area. This document will be revised in the coming months as the results of dynamic computer modelling of overflow locations is completed, as well as new information regarding WWTP site selection is obtained.

Table 1 - Estimate of Total Average Annual Flow (AAF) and Breakdown by Municipality in 2005

Calculation of Portion from Base Sanitary Flow (BSF)

Macaulay Pt.	Total AAF: 20,123,856 m³ (see note 1)									
	Langford	Colwood	View Royal	Esquimalt	Victoria	Saanich	Oak Bay	Songhees Band	Esquimalt Band	Total
Population	8,547	5,389	8,372	17,412	12,949	81,277		1,643	99	135,688
ICI Equivalents	4,542	3,010	4,693	6,773	6,715	16,994		110	53	42,890
Total Population Equiv.	13,089	8,400	13,065	24,185	19,664	98,271		1,753	152	178,578
L/cap/day	225	225	225	225	225	225	225	225	225	225
Population BSF (m ³ /yr)	701,924	442,579	687,559	1,429,925	1,063,415	6,674,906		134,931	8,130	11,143,369
ICI BSF (m ³ /yr)	373,010	247,230	385,413	556,233	551,469	1,395,632		9,034	4,312	3,522,332
Total BSF (m ³ /yr)	1,074,934	689,809	1,072,971	1,986,157	1,614,885	8,070,538		143,965	12,442	14,665,701

Clover Pt.	Total AAF: 22,000,944 m³ (see note 1)									
	Langford	Colwood	View Royal	Esquimalt	Victoria	Saanich	Oak Bay	Songhees Band	Esquimalt Band	Total
Population					65,709	29,452	18,075			113,236
ICI Equivalents					29,816	19,399	2,310			51,525
Total Population Equiv.					95,525	48,851	20,385			164,761
L/cap/day					225	225	250			
Population BSF (m ³ /yr)					5,396,392	2,418,756	1,649,304			9,464,452
ICI BSF (m ³ /yr)					2,448,618	1,593,164	210,788			4,252,569
Total BSF (m ³ /yr)					7,845,010	4,011,919	1,860,092			13,717,021

Totals										
Population BSF (m ³ /yr)	701,924	442,579	687,559	1,429,925	6,459,807	9,093,661	1,649,304	134,931	8,130	20,607,821
BSF as % of AAF	1.7%	1.1%	1.6%	3.4%	15.3%	21.6%	3.9%	0.3%	0.02%	48.9%
ICI BSF (m ³ /yr)	373,010	247,230	385,413	556,233	3,000,087	2,988,796	210,788	9,034	4,312	7,774,901
BSF as % of AAF	0.9%	0.6%	0.9%	1.3%	7.1%	7.1%	0.5%	0.02%	0.01%	18.5%
Total BSF (m ³ /yr)	1,074,934	689,809	1,072,971	1,986,157	9,459,895	12,082,457	1,860,092	143,965	12,442	28,382,722
BSF as % of AAF	2.6%	1.6%	2.5%	4.7%	22.5%	28.7%	4.4%	0.3%	0.03%	67.4%

Calculation of Portion from Inflow & Infiltration (I&I)

	Total I&I of AAF: 13,742,078 m³ (see note 2)									
5-Yr I&I Macaulay (L/s)	67	78	113	658	624	605		11	3	2,160
5-Yr I&I Clover (L/s)					2,755	392	1,183			4,331
Total 5-Yr I&I (L/s)	67	78	113	658	3,379	997	1,183	11	3	6,491
% of Total I&I	1.0%	1.2%	1.7%	10.1%	52.1%	15.4%	18.2%	0.2%	0.05%	100.0%
Total I&I (m ³)	142,706	166,060	240,106	1,393,018	7,154,493	2,110,724	2,505,365	22,800	6,806	13,742,078
I&I as % of AAF (note 3)	0.3%	0.4%	0.6%	3.3%	17.0%	5.0%	5.9%	0.1%	0.02%	32.6%

Calculation of Total BSF + I&I

	Total AAF for Entire System: 42,124,800 m³ (see note 1)									
AAF (m ³)	1,217,640	855,869	1,313,077	3,379,175	16,614,387	14,193,181	4,365,457	166,765	19,248	42,124,800
% of Total AAF	2.9%	2.0%	3.1%	8.0%	39.4%	33.7%	10.4%	0.4%	0.05%	100.0%

Notes

1. See 033-DP2-"Design Flows" for more information.
2. The total AAF from the summary map minus the BSF calculated in these tables yields the amount left assumed to be from I&I.
3. The total 5-Yr I&I flow rate (not volume) for each municipality as calculated from the summary map is used to weight the amount of I&I as calculated from note 2 to each municipality.
4. Assumes flows into the CRD system from the Humber and Rutland combined sewer catchments are limited to one pump each at the Humber and Rutland pump stations.
5. Esquimalt Band includes an estimated 30 houses at 3.3 people/house, and 2.1 ha of industrial from ortho-photo.
6. Songhees Band includes an estimated 4.4 ha of industrial at 25 pop/ha

Table 2 - Estimate of Total Average Annual Flow (AAF) and Breakdown by Municipality in 2030

Calculation of Portion from Base Sanitary Flow (BSF)

Macaulay Pt.	Total AAF: 33,499,340 m³ (see note 1)									
	Langford	Colwood	View Royal	Esquimalt	Victoria	Saanich	Oak Bay	Songhees Band	Esquimalt Band	Total
Population	48,672	24,942	12,512	18,667	18,194	93,183		3,500	1,500	221,170
ICI Equivalents	25,865	9,606	10,460	8,199	8,895	22,267		300	53	85,644
Total Population Equiv.	74,537	34,548	22,972	26,866	27,089	114,929		3,800	1,553	306,294
L/cap/day	225	225	225	225	225	225		225	225	225
Population BSF (m ³ /yr)	3,997,188	2,048,343	1,027,543	1,533,012	1,494,215	7,652,682		287,438	123,188	18,163,609
ICI BSF (m ³ /yr)	2,124,163	788,910	858,995	673,343	730,461	1,828,677		24,638	4,353	7,033,539
Total BSF (m ³ /yr)	6,121,351	2,837,254	1,886,537	2,206,355	2,224,676	9,481,359		312,075	127,540	25,197,148

Clover Pt.	Total AAF: 24,579,883 m³ (see note 1)									
	Langford	Colwood	View Royal	Esquimalt	Victoria	Saanich	Oak Bay	Songhees Band	Esquimalt Band	Total
Population					74,372	33,210	18,514			126,095
ICI Equivalents					39,385	24,116	2,416			65,917
Total Population Equiv.					113,757	57,326	20,930			192,012
L/cap/day					225	225	250			225
Population BSF (m ³ /yr)					6,107,793	2,727,330	1,689,391			10,524,514
ICI BSF (m ³ /yr)					3,234,474	1,980,564	220,439			5,435,478
Total BSF (m ³ /yr)					9,342,268	4,707,894	1,909,830			15,959,992

Totals										
Population BSF (m ³ /yr)	3,997,188	2,048,343	1,027,543	1,533,012	7,602,008	10,380,013	1,689,391	287,438	123,188	28,688,123
BSF as % of AAF	6.9%	3.5%	1.8%	2.6%	13.1%	17.9%	2.9%	0.5%	0.2%	49.4%
ICI BSF (m ³ /yr)	2,124,163	788,910	858,995	673,343	3,964,935	3,809,241	220,439	24,638	4,353	12,469,017
BSF as % of AAF	3.7%	1.4%	1.5%	1.2%	6.8%	6.6%	0.4%	0.04%	0.01%	21.5%
Total BSF (m ³ /yr)	6,121,351	2,837,254	1,886,537	2,206,355	11,566,943	14,146,465	1,909,830	312,075	127,540	41,114,350
BSF as % of AAF	10.5%	4.9%	3.2%	3.8%	19.9%	24.4%	3.3%	0.5%	0.2%	70.8%

Calculation of Portion from Inflow & Infiltration (I&I)

	Total I&I of AAF: 16,964,872 m³ (see note 2)									
5-Yr I&I Macaulay (L/s)	300	135	126	658	624	605		11	3	2,462
5-Yr I&I Clover (L/s)					2,755	392	1,183			4,331
Total 5-Yr I&I (L/s)	300	135	126	658	3,379	997	1,183	11	3	6,792
% of Total I&I	4.4%	2.0%	1.8%	9.7%	49.8%	14.7%	17.4%	0.2%	0.0%	100.0%
Total I&I (m ³)	748,870	337,618	313,563	1,643,428	8,440,586	2,490,148	2,955,730	26,899	8,030	16,964,872
I&I as % of AAF (note 3)	1.3%	0.6%	0.5%	2.8%	14.5%	4.3%	5.1%	0.05%	0.01%	29.2%

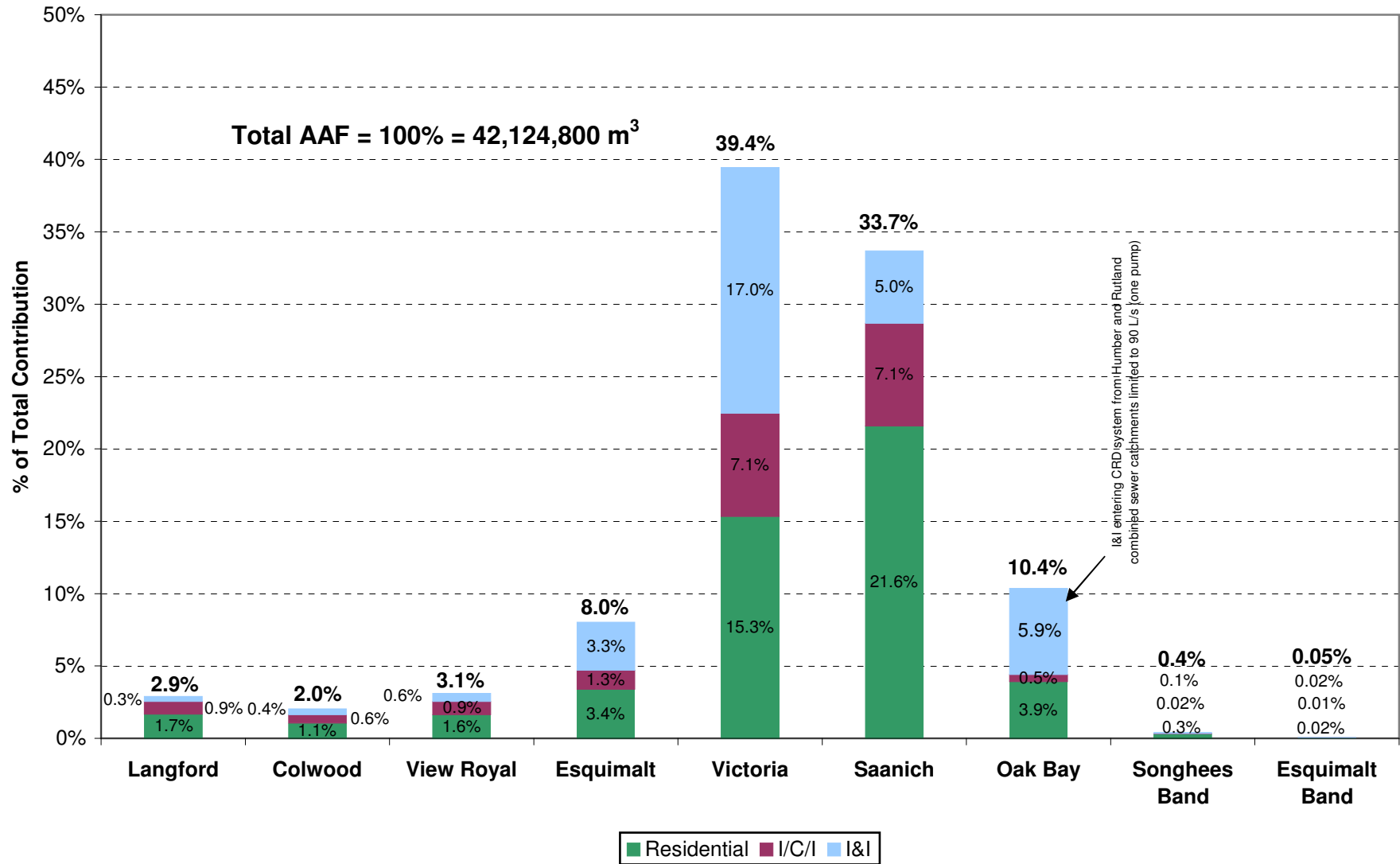
Calculation of Total BSF + I&I

	Total AAF for Entire System: 58,079,223 m³ (see note 1)									
AAF (m ³)	6,870,221	3,174,872	2,200,100	3,849,783	20,007,530	16,636,613	4,865,560	338,974	135,570	58,079,223
% of Total AAF	11.8%	5.5%	3.8%	6.6%	34.4%	28.6%	8.4%	0.6%	0.2%	100.0%

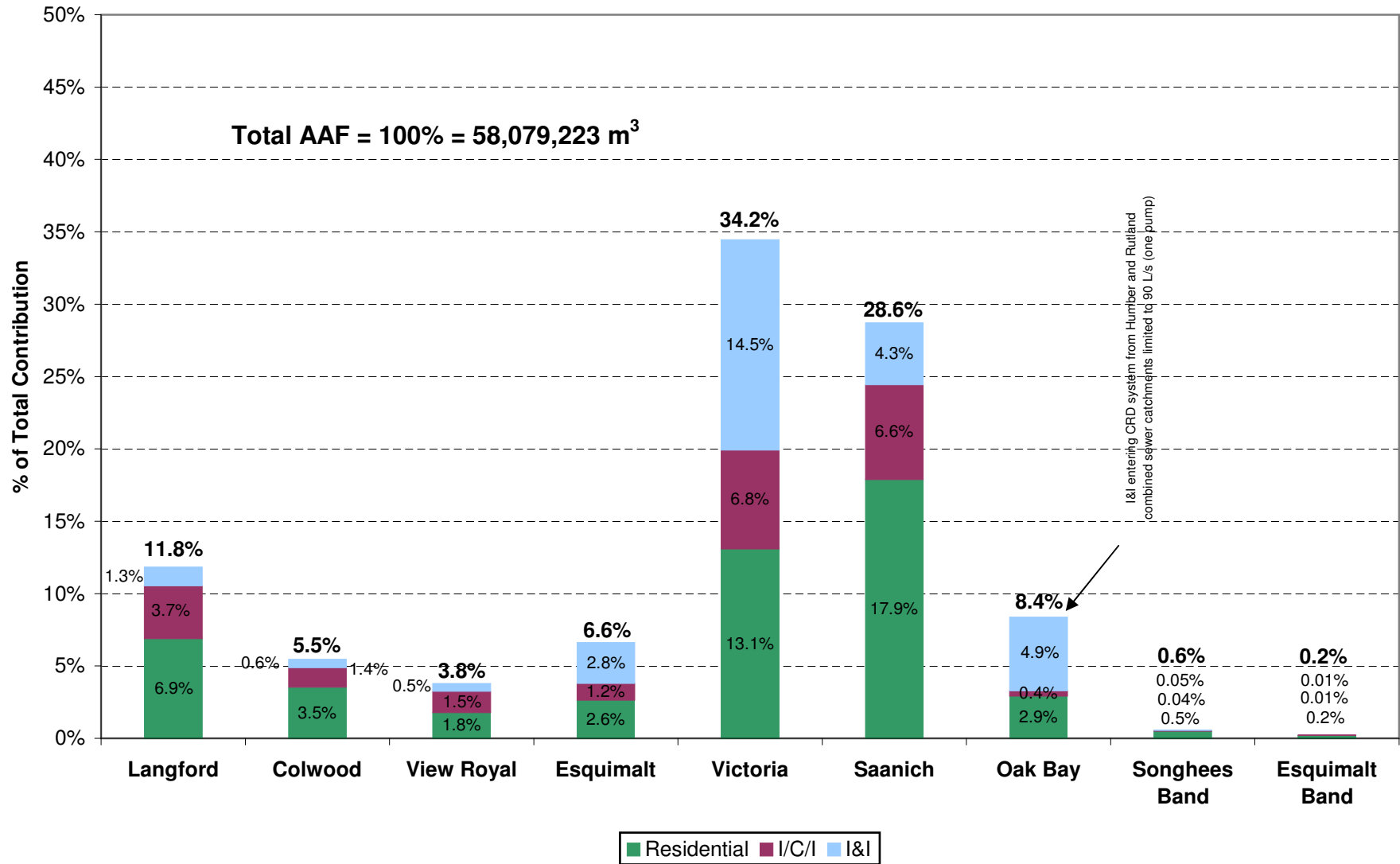
Notes

1. See 033-DP2-"Design Flows" for more information.
2. The total AAF from the summary map minus the BSF calculated in these tables yields the amount left assumed to be from I&I.
3. The total 5-Yr I&I flow rate (not volume) for each municipality as calculated from the summary map is used to weight the amount of I&I as calculated from note 2 to each municipality.
4. Assumes flows into the CRD system from the Humber and Rutland combined sewer catchments are limited to one pump each at the Humber and Rutland pump stations.

Estimate of Total Average Annual Flow in 2005



Estimate of Total Average Annual Flow in 2030



Appendix A

NET/ECI Design Flows using Current Water Use Rates

NET/ECI Estimated Wastewater Flows
Year = 2005, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	55.2	2.3	68.3								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	55.2	2.3	68.3	40.6	1398	3.6	2.96	10.8	57.5	68.3	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	80.0	3.3	108.0								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	16.9	0.7	22.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.94	29.4	96.8	4.0	130.2	111.8	5480	14.3	3.21	45.8	158.3	204.1	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	51.2	1.0	66.3								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	51.2	1.0	66.3	151.5	7360	19.2	3.09	59.1	210.5	269.6	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	215.3	19.4	271.2								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	98.9	8.9	120.9								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	26.3	0.5	34.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	16.1	0.3	22.9								
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	356.6	29.2	44.1	334.3	16257	42.3	2.74	116.1	596.3	712.4	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	120.5	2.4	162.5								
Broom	30A02	NEBMH033	250	2342	368	2710	145.5	7.8	2.78	21.8	76.3	8.5	106.6								
Broom	30B01	NEBMH032	250	361	0	361	11.5	1.0	3.23	3.4	5.0	0.7	9.1								
Broom	30B02	NEBMH030	250	317	47	364	6.4	1.1	3.23	3.4	2.8	0.4	6.6								
Subtotal (Section NETB-5)						9416	256.9	25.5	68.1	204.7	11.9	284.7	591.2	25673	67.9	2.54	172.6	812.9	985.5	8,154	
Broom	30B03	NEBMH028	250	622	391	1013	20.8	2.9	3.04	8.9	9.1	1.2	19.2								
Broom	30B04	NEBMH027	250	0	494	494	5.5	1.4	3.18	4.5	2.4	0.3	7.3								
Broom	30B05	NEBMH026	250	224	111	335	8.5	1.0	3.25	3.1	3.7	0.5	7.4								
Broom	30B06	NEBMH026	250	235	5	240	4.1	0.7	3.29	2.3	1.8	0.2	4.3								
Broom	30B07	NEBMH025	250	81	0	81	2.4	0.2	3.41	0.8	1.0	0.1	2.0								
Subtotal (Section NETB-6)						2163	41.3	6.3	19.7	18.1	2.4	40.1	632.5	27836	74.1	2.51	186.0	833.3	1019.3	8,855	
Broom	30B09	NEBMH024	250	2234	272	2506	65.2	7.3	2.81	20.4	28.5	3.8	52.6								
Broom	30B08	NEBMH022	250	127	0	127	4.2	0.4	3.37	1.2	1.8	0.2	3.3								
Broom	30B10	NEBMH020	250	43	8	51	3.5	0.1	3.45	0.5	1.5	0.2	2.2								
Broom	30B11	NEBMH020	250	67	0	67	2.1	0.2	3.43	0.7	0.9	0.1	1.7								
Windsor	31A	NEBMH017	250	119	0	119	4.6	0.3	3.38	1.2	2.0	0.3	3.4								
Subtotal (Section NETB-7)						2870	79.6	8.3	23.9	34.8	4.6	63.3	712.1	30706	82.4	2.47	203.3	872.8	1076.1	9,881	
Esplanade	29	NEBMH014	250	347	63	410	15.4	1.2	3.21	3.8	8.1	0.9	12.8								
Subtotal (Section NETB-8)						410	15.4	1.2	3.21	3.8	8.1	0.9	12.8	727.5	31116	83.6	2.46	205.8	881.7	1087.5	10,043
Windsor	31B	NEBMH003	250	1660	207	1867	57.2	5.4	2.89	15.6	25.0	3.3	43.9								
Currie	32	NEBMH001	250	4888	267	5155	202.7	14.9	2.59	38.6	325.2	19.8	383.5								
Subtotal (Section NETB-9)						7022	259.9	20.3	54.2	350.2	23.1	427.4	987.4	38138	103.9	2.38	246.9	1255.0	1501.9	12,806	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	176.4	39.5	438.7								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	176.4	39.5	438.7	1069.2	35578	92.7	2.40	222.8	215.9	438.7	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	30.3	6.1	78.1								
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	35.9	4.0	67.1								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	66.2	10.0	145.2	1418.4	45859	119.4	2.30	274.6	292.1	566.8	15,816
Humber	25	Humber	250	407	132	539	56.2	1.6	3.17	4.9	90.0	4.6	99.5								
Subtotal (Section ECI-3)						539	56.2	1.6	3.17	4.9	90.0	4.6	99.5	1474.6	46398	121.0	2.29	277.6	386.7	664.3	16,169
Rutland	26	Rutland	250	743	0	743	78.4	2.2	3.10	6.7	90.0	1.9	98.6								
Subtotal (Section ECI-4)						743	78.4	2.2	3.10	6.7	90.0	1.9	98.6	1553.0	47141	123.1	2.29	281.8	478.6	760.4	16,658
Estevan	27	ECIMH029	250	1599	101	1700	72.7	4.9	2.91	14.3	57.7	3.2	75.2								
Dalhousie	28	ECIMH029	250	771	0	771	29.4	2.2	3.10	6.9	23.3	1.3	31.5								
Subtotal (Section ECI-5)						2471	102.1	7.2	21.2	81.0	4.5	106.7	1655.1	49613	130.3	2.27	295.4	564.1	859.5	17,872	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	87751	234.2	2.05	479.5	1819.1	2298.5	30,478

Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	375.9	15.1	450.8								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	375.9	15.1	450.8	2870.1	97431	259.4	2.01	521.2	2210.0	2731.2	33,538
Haring/Hollywood	35	ECIMH001	250	377	0	377	67.5	1.1	3.23	3.5	111.5	4.5	119.5								
Subtotal (Section NETC-1)						377	67.5	1.1	3.23	3.5	111.5	4.5	119.5	2937.6	97808	260.5	2.01	523.1	2325.9	2849.0	33,894
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	55.9	5.1	70.0								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	55.9	5.1	70.0	2982.7	98943	263.5	2.00	527.9	2387.0	2914.9	34,324
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1050.1	96.2	1442.0								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1050.1	96.2	1442.0	3829.3	164761	434.9	1.83	796.5	3533.3	4329.8	52,414

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2005, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	78.8	2.3		91.9								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	78.8	2.3		91.9	40.6	1398	3.6	2.96	10.8	81.1	91.9	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	114.2	3.3		142.2								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	24.1	0.7		29.5								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.94	29.4	138.2	4.0		171.7	111.8	5480	14.3	3.21	45.8	223.3	269.1	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	65.2	1.0		80.4								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	65.2	1.0		80.4	151.5	7360	19.2	3.09	59.1	289.6	348.7	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	256.7	19.4		312.7								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	118.0	8.9		139.9								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	33.5	0.5		41.2								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	20.5	0.3		27.4								
Subtotal (Section NETB-4)						8897	162.8	23.2	6.33	428.7	29.2	521.1		334.3	16257	42.3	2.74	116.1	747.5	863.6	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	153.6	2.4		195.6								
Broom	30A02	NEBMH033	250	2342	368	2710	145.5	7.8	2.78	21.8	106.9	8.5		137.2								
Broom	30B01	NEBMH032	250	361	0	361	11.5	1.0	3.23	3.4	5.8	0.7		9.8								
Broom	30B02	NEBMH030	250	317	47	364	6.4	1.1	3.23	3.4	3.2	0.4		7.0								
Subtotal (Section NETB-5)						9416	256.9	25.5	6.81	269.6	11.9	349.6		591.2	25673	67.9	2.54	172.6	1028.9	1201.6	8,154	
Broom	30B03	NEBMH028	250	622	391	1013	20.8	2.9	3.04	8.9	10.5	1.2		20.6								
Broom	30B04	NEBMH027	250	0	494	494	5.5	1.4	3.18	4.5	2.8	0.3		7.6								
Broom	30B05	NEBMH026	250	224	111	335	8.5	1.0	3.25	3.1	4.3	0.5		7.9								
Broom	30B06	NEBMH026	250	235	5	240	4.1	0.7	3.29	2.3	2.1	0.2		4.6								
Broom	30B07	NEBMH025	250	81	0	81	2.4	0.2	3.41	0.8	1.2	0.1		2.1								
Subtotal (Section NETB-6)						2163	41.3	6.3	19.7	20.8	2.4	42.9		632.5	27836	74.1	2.51	186.0	1052.1	1238.1	8,855	
Broom	30B09	NEBMH024	250	2234	272	2506	65.2	7.3	2.81	20.4	32.8	3.8		57.0								
Broom	30B08	NEBMH022	250	127	0	127	4.2	0.4	3.37	1.2	2.1	0.2		3.6								
Broom	30B10	NEBMH020	250	43	8	51	3.5	0.1	3.45	0.5	1.8	0.2		2.5								
Broom	30B11	NEBMH020	250	67	0	67	2.1	0.2	3.43	0.7	1.1	0.1		1.8								
Windsor	31A	NEBMH017	250	119	0	119	4.6	0.3	3.38	1.2	2.3	0.3		3.7								
Subtotal (Section NETB-7)						2870	79.6	8.3	23.9	40.1	4.6	68.6		712.1	30706	82.4	2.47	203.3	1096.8	1300.2	9,881	
Esplanade	29	NEBMH014	250	347	63	410	15.4	1.2	3.21	3.8	11.3	0.9		16.0								
Subtotal (Section NETB-8)						410	15.4	1.2	3.21	3.8	11.3	0.9		16.0	727.5	31116	83.6	2.46	205.8	1109.1	1314.9	10,043
Windsor	31B	NEBMH003	250	1660	207	1867	57.2	5.4	2.89	15.6	28.8	3.3		47.7								
Currie	32	NEBMH001	250	4888	267	5155	202.7	14.9	2.59	38.6	412.8	19.8		471.1								
Subtotal (Section NETB-9)						7022	259.9	20.3	54.2	441.6	23.1	518.8		987.4	38138	103.9	2.38	246.9	1573.7	1820.6	12,806	

NET-B Ends at the Currie Major Pump Station

ECI																						
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	234.4	39.5		496.7								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	234.4	39.5		496.7	1069.2	35578	92.7	2.40	222.8	273.9	496.7	12,149
Penryhn	24	Penryhn	225	2898	3466	6364	280.8	16.6	2.52	41.7	45.4	6.1		93.2								
Broom	30A01	Penryhn	225	194	3723	3917	68.4	10.2	2.67	27.3	50.3	4.0		81.5								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	95.7	10.0		174.7	1418.4	45859	119.4	2.30	274.6	379.7	654.3	15,816
Humber	25	Humber	250	407	132	539	56.2	1.6	3.17	4.9	90.0	4.6		99.5								
Subtotal (Section ECI-3)						539	56.2	1.6	3.17	4.9	90.0	4.6		99.5	1474.6	46398	121.0	2.29	277.6	474.2	751.9	16,169
Rutland	26	Rutland	250	743	0	743	78.4	2.2	3.10	6.7	90.0	1.9		98.6								
Subtotal (Section ECI-4)						743	78.4	2.2	3.10	6.7	90.0	1.9		98.6	1553.0	47141	123.1	2.29	281.8	566.1	847.9	16,658
Estevan	27	ECIMH029	250	1599	101	1700	72.7	4.9	2.91	14.3	66.1	3.2		83.6								
Dalhousie	28	ECIMH029	250	771	0	771	29.4	2.2	3.10	6.9	26.7	1.3		34.9								
Subtotal (Section ECI-5)						2471	102.1	7.2	21.2	92.8	4.5	118.5		1655.1	49613	130.3	2.27	295.4	663.4	958.8	17,872	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream																2642.5	87751	234.2	2.05	479.5	2237.1	2716.6	30,478
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Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	478.5	15.1		553.4								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	478.5	15.1		553.4	2870.1	97431	259.4	2.01	521.2	2730.7	3251.9	33,538
Hartley/Hollywood	35	ECIMH001	250	377	0	377	67.5	1.1	3.23	3.5	141.9	4.5		149.9								
Subtotal (Section NETC-1)						377	67.5	1.1	3.23	3.5	141.9	4.5		149.9	2937.6	97808	260.5	2.01	523.1	2877.1	3400.1	33,894
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	68.4	5.1		82.4								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	68.4	5.1		82.4	2982.7	98943	263.5	2.00	527.9	2950.6	3478.5	34,324
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1284.1	96.2		1675.9								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1284.1	96.2		1675.9	3829.3	164761	434.9	1.83	796.5			

NET/ECI Estimated Wastewater Flows
Year = 2005, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	94.5	2.3	107.6								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	94.5	2.3	107.6	40.6	1398	3.6	2.96	10.8	96.8	107.6	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	136.9	3.3	164.9								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	28.9	0.7	34.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.94	29.4	165.7	4.0	199.2	111.8	5480	14.3	3.21	45.8	266.5	312.3	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	74.5	1.0	89.7								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	74.5	1.0	89.7	151.5	7360	19.2	3.09	59.1	342.1	401.2	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	283.9	19.4	339.9								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	130.5	8.9	152.4								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	38.3	0.5	46.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	23.5	0.3	30.3								
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	476.2	29.2	568.6	334.3	16257	42.3	2.74	116.1	847.4	963.5	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	175.6	2.4	217.5								
Broom	30A02	NEBMH033	250	2342	368	2710	145.5	7.8	2.78	21.8	127.3	8.5	157.5								
Broom	30B01	NEBMH032	250	361	0	361	11.5	1.0	3.23	3.4	6.3	0.7	10.3								
Broom	30B02	NEBMH030	250	317	47	364	6.4	1.1	3.23	3.4	3.5	0.4	7.3								
Subtotal (Section NETB-5)						9416	256.9	25.5	68.1	312.6	11.9	392.7	591.2	25673	67.9	2.54	172.6	1171.9	1344.6	8,154	
Broom	30B03	NEBMH028	250	622	391	1013	20.8	2.9	3.04	8.9	11.3	1.2	21.5								
Broom	30B04	NEBMH027	250	0	494	494	5.5	1.4	3.18	4.5	3.0	0.3	7.9								
Broom	30B05	NEBMH026	250	224	111	335	8.5	1.0	3.25	3.1	4.6	0.5	8.3								
Broom	30B06	NEBMH026	250	235	5	240	4.1	0.7	3.29	2.3	2.2	0.2	4.8								
Broom	30B07	NEBMH025	250	81	0	81	2.4	0.2	3.41	0.8	1.3	0.1	2.3								
Subtotal (Section NETB-6)						2163	41.3	6.3	19.7	22.5	2.4	44.6	632.5	27836	74.1	2.51	186.0	1196.9	1382.8	8,855	
Broom	30B09	NEBMH024	250	2234	272	2506	65.2	7.3	2.81	20.4	35.6	3.8	59.7								
Broom	30B08	NEBMH022	250	127	0	127	4.2	0.4	3.37	1.2	2.3	0.2	3.8								
Broom	30B10	NEBMH020	250	43	8	51	3.5	0.1	3.45	0.5	1.9	0.2	2.6								
Broom	30B11	NEBMH020	250	67	0	67	2.1	0.2	3.43	0.7	1.1	0.1	1.9								
Windsor	31A	NEBMH017	250	119	0	119	4.6	0.3	3.38	1.2	2.5	0.3	3.9								
Subtotal (Section NETB-7)						2870	79.6	8.3	23.9	43.4	4.6	72.0	712.1	30706	82.4	2.47	203.3	1244.9	1448.3	9,881	
Esplanade	29	NEBMH014	250	347	63	410	15.4	1.2	3.21	3.8	13.5	0.9	18.2								
Subtotal (Section NETB-8)						410	15.4	1.2	3.21	3.8	13.5	0.9	18.2	727.5	31116	83.6	2.46	205.8	1259.3	1465.1	10,043
Windsor	31B	NEBMH003	250	1660	207	1867	57.2	5.4	2.89	15.6	31.2	3.3	50.1								
Currie	32	NEBMH001	250	4888	267	5155	202.7	14.9	2.59	38.6	470.7	19.8	529.0								
Subtotal (Section NETB-9)						7022	259.9	20.3	54.2	501.9	23.1	579.2	987.4	38138	103.9	2.38	246.9	1784.3	2031.2	12,806	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	272.7	39.5	535.1								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	272.7	39.5	535.1	1069.2	35578	92.7	2.40	222.8	312.3	535.1	12,149
Penryhn	24	Penryhn	225	2898	3466	6364	280.8	16.6	2.52	41.7	55.4	6.1	103.2								
Broom	30A01	Penryhn	225	194	3723	3917	68.4	10.2	2.67	27.3	59.8	4.0	91.1								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	115.3	10.0	194.3	1418.4	45859	119.4	2.30	274.6	437.6	712.2	15,816
Humber	25	Humber	250	407	132	539	56.2	1.6	3.17	4.9	90.0	4.6	99.5								
Subtotal (Section ECI-3)						539	56.2	1.6	3.17	4.9	90.0	4.6	99.5	1474.6	46398	121.0	2.29	277.6	532.1	809.8	16,169
Rutland	26	Rutland	250	743	0	743	78.4	2.2	3.10	6.7	90.0	1.9	98.6								
Subtotal (Section ECI-4)						743	78.4	2.2	3.10	6.7	90.0	1.9	98.6	1553.0	47141	123.1	2.29	281.8	624.0	905.8	16,658
Estevan	27	ECIMH029	250	1599	101	1700	72.7	4.9	2.91	14.3	71.6	3.2	89.1								
Dalhousie	28	ECIMH029	250	771	0	771	29.4	2.2	3.10	6.9	28.9	1.3	37.1								
Subtotal (Section ECI-5)						2471	102.1	7.2	21.2	100.5	4.5	126.2	1655.1	49613	130.3	2.27	295.4	729.0	1024.5	17,872	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	87751	234.2	2.05	479.5	2513.3	2992.8	30,478

Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	546.0	15.1	620.9								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	546.0	15.1	620.9	2870.1	97431	259.4	2.01	521.2	3074.4	3595.6	33,538
Hartley/Hollywood	35	ECIMH001	250	377	0	377	67.5	1.1	3.23	3.5	161.9	4.5	169.9								
Subtotal (Section NETC-1)						377	67.5	1.1	3.23	3.5	161.9	4.5	169.9	2937.6	97808	260.5	2.01	523.1	3240.8	3763.9	33,894
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	76.6	5.1	90.7								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	76.6	5.1	90.7	2982.7	98943	263.5	2.00	527.9	3322.6	3850.5	34,324
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1438.8	96.2	1830.6								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1438.8	96.2	1830.6	3829.3	164761	434.9	1.83	796.5	4857.6	5654.1	52,414

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2005, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	114.3	2.3	127.3								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	114.3	2.3	127.3	40.6	1398	3.6	2.96	10.8	116.5	127.3	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	165.5	3.3	193.5								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	34.9	0.7	40.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.89	29.4	200.4	4.0	233.8	111.8	5480	14.3	3.21	45.8	320.9	366.6	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	86.3	1.0	101.5								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	86.3	1.0	101.5	151.5	7360	19.2	3.09	59.1	408.2	467.3	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	318.5	19.4	374.5								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	146.4	8.9	168.3								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	44.3	0.5	52.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	27.2	0.3	34.0								
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	536.4	29.2	628.9	334.3	16257	42.3	2.74	116.1	973.8	1089.9	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	203.2	2.4	245.2								
Broom	30A02	NEBMH033	250	2342	368	2710	145.5	7.8	2.78	21.8	152.9	8.5	183.1								
Broom	30B01	NEBMH032	250	361	0	361	11.5	1.0	3.23	3.4	6.9	0.7	11.0								
Broom	30B02	NEBMH030	250	317	47	364	6.4	1.1	3.23	3.4	3.8	0.4	7.6								
Subtotal (Section NETB-5)						9416	256.9	25.5	68.1	366.9	11.9	446.9	591.2	25673	67.9	2.54	172.6	1352.6	1525.2	8,154	
Broom	30B03	NEBMH028	250	622	391	1013	20.8	2.9	3.04	8.9	12.5	1.2	22.6								
Broom	30B04	NEBMH027	250	0	494	494	5.5	1.4	3.18	4.5	3.3	0.3	8.2								
Broom	30B05	NEBMH026	250	224	111	335	8.5	1.0	3.25	3.1	5.1	0.5	8.7								
Broom	30B06	NEBMH026	250	235	5	240	4.1	0.7	3.29	2.3	2.5	0.2	5.0								
Broom	30B07	NEBMH025	250	81	0	81	2.4	0.2	3.41	0.8	1.4	0.1	2.4								
Subtotal (Section NETB-6)						2163	41.3	6.3	19.7	24.8	2.4	46.9	632.5	27836	74.1	2.51	186.0	1379.8	1565.8	8,855	
Broom	30B09	NEBMH024	250	2234	272	2506	65.2	7.3	2.81	20.4	39.2	3.8	63.3								
Broom	30B08	NEBMH022	250	127	0	127	4.2	0.4	3.37	1.2	2.5	0.2	2.8								
Broom	30B10	NEBMH020	250	43	8	51	3.5	0.1	3.45	0.5	2.1	0.2	2.0								
Broom	30B11	NEBMH020	250	67	0	67	2.1	0.2	3.43	0.7	1.3	0.1	2.1								
Windsor	31A	NEBMH017	250	119	0	119	4.6	0.3	3.38	1.2	2.8	0.3	4.2								
Subtotal (Section NETB-7)						2870	79.6	8.3	23.9	47.9	4.6	76.4	712.1	30706	82.4	2.47	203.3	1432.3	1635.6	9,881	
Esplanade	29	NEBMH014	250	347	63	410	15.4	1.2	3.21	3.8	16.2	0.9	20.9								
Subtotal (Section NETB-8)						410	15.4	1.2	3.21	3.8	16.2	0.9	20.9	727.5	31116	83.6	2.46	205.8	1449.4	1655.2	10,043
Windsor	31B	NEBMH003	250	1660	207	1867	57.2	5.4	2.89	15.6	34.4	3.3	53.3								
Currie	32	NEBMH001	250	4888	267	5155	202.7	14.9	2.59	38.6	543.9	19.8	602.3								
Subtotal (Section NETB-9)						7022	259.9	20.3	54.2	578.3	23.1	655.6	987.4	38138	103.9	2.38	246.9	2050.8	2297.7	12,806	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	321.2	39.5	583.6								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	321.2	39.5	583.6	1069.2	35578	92.7	2.40	222.8	360.8	583.6	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	68.1	6.1	115.9								
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	71.9	4.0	103.1								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	140.0	10.0	219.0	1418.4	45859	119.4	2.30	274.6	510.7	785.4	15,816
Humber	25	Humber	250	407	132	539	56.2	1.6	3.17	4.9	90.0	4.6	99.5								
Subtotal (Section ECI-3)						539	56.2	1.6	3.17	4.9	90.0	4.6	99.5	1474.6	46398	121.0	2.29	277.6	605.3	883.0	16,169
Rutland	26	Rutland	250	743	0	743	78.4	2.2	3.10	6.7	90.0	1.9	98.6								
Subtotal (Section ECI-4)						743	78.4	2.2	3.10	6.7	90.0	1.9	98.6	1553.0	47141	123.1	2.29	281.8	697.2	979.0	16,658
Estevan	27	ECIMH029	250	1599	101	1700	72.7	4.9	2.91	14.3	78.6	3.2	96.1								
Dalhousie	28	ECIMH029	250	771	0	771	29.4	2.2	3.10	6.9	31.8	1.3	40.0								
Subtotal (Section ECI-5)						2471	102.1	7.2	21.2	110.4	4.5	136.1	1655.1	49613	130.3	2.27	295.4	812.1	1107.5	17,872	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	87751	234.2	2.05	479.5	2862.9	3342.4	30,478

Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	631.8	15.1	706.7								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	631.8	15.1	706.7	2870.1	97431	259.4	2.01	521.2	3509.7	4030.9	33,538
Haring/Hollywood	35	ECIMH001	250	377	0	377	67.5	1.1	3.23	3.5	187.4	4.5	195.4								
Subtotal (Section NETC-1)						377	67.5	1.1	3.23	3.5	187.4	4.5	195.4	2937.6	97808	260.5	2.01	523.1	3701.5	4224.6	33,894
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	87.1	5.1	101.1								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	87.1	5.1	101.1	2982.7	98943	263.5	2.00	527.9	3793.7	4321.6	34,324
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1634.4	96.2	2026.2								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1634.4	96.2	2026.2	3829.3	164761	434.9	1.83	796.5	5524.4	6320.8	52,414

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2005, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	143.6	2.3	156.6								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	143.6	2.3	156.6	40.6	1398	3.6	2.96	10.8	145.8	156.6	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	207.9	3.3	235.9								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	43.8	0.7	49.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.89	29.4	251.8	4.0	285.2	111.8	5480	14.3	3.21	45.8	401.6	447.4	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	103.7	1.0	118.9								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	103.7	1.0	118.9	151.5	7360	19.2	3.09	59.1	506.3	565.5	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	369.6	19.4	425.6								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	169.9	8.9	191.8								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	63.3	0.5	61.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	32.7	0.3	39.5								
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	625.4	29.2	717.8	334.3	16257	42.3	2.74	116.1	1160.9	1277.1	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	244.3	2.4	286.3								
Broom	30A02	NEBMH033	250	2342	368	2710	145.5	7.8	2.78	21.8	190.9	8.5	221.1								
Broom	30B01	NEBMH032	250	361	0	361	11.5	1.0	3.23	3.4	7.9	0.7	11.9								
Broom	30B02	NEBMH030	250	317	47	364	6.4	1.1	3.23	3.4	4.4	0.4	8.2								
Subtotal (Section NETB-5)						9416	256.9	25.5	68.1	447.4	11.9	527.5	591.2	25673	67.9	2.54	172.6	1620.3	1792.9	8,154	
Broom	30B03	NEBMH028	250	622	391	1013	20.8	2.9	3.04	8.9	14.2	1.2	24.3								
Broom	30B04	NEBMH027	250	0	494	494	5.5	1.4	3.18	4.5	3.8	0.3	8.6								
Broom	30B05	NEBMH026	250	224	111	335	8.5	1.0	3.25	3.1	5.8	0.5	9.4								
Broom	30B06	NEBMH026	250	235	5	240	4.1	0.7	3.29	2.3	2.8	0.2	5.3								
Broom	30B07	NEBMH025	250	81	0	81	2.4	0.2	3.41	0.8	1.6	0.1	2.6								
Subtotal (Section NETB-6)						2163	41.3	6.3	19.7	28.2	2.4	50.3	632.5	27836	74.1	2.51	186.0	1650.9	1836.9	8,855	
Broom	30B09	NEBMH024	250	2234	272	2506	65.2	7.3	2.81	20.4	44.6	3.8	68.7								
Broom	30B08	NEBMH022	250	127	0	127	4.2	0.4	3.37	1.2	2.9	0.2	4.4								
Broom	30B10	NEBMH020	250	43	8	51	3.5	0.1	3.45	0.5	2.4	0.2	3.1								
Broom	30B11	NEBMH020	250	67	0	67	2.1	0.2	3.43	0.7	1.4	0.1	2.2								
Windsor	31A	NEBMH017	250	119	0	119	4.6	0.3	3.38	1.2	3.1	0.3	4.6								
Subtotal (Section NETB-7)						2870	79.6	8.3	23.9	54.4	4.6	83.0	712.1	30706	82.4	2.47	203.3	1709.9	1913.3	9,881	
Esplanade	29	NEBMH014	250	347	63	410	15.4	1.2	3.21	3.8	20.2	0.9	24.9								
Subtotal (Section NETB-8)						410	15.4	1.2	3.21	3.8	20.2	0.9	24.9	727.5	31116	83.6	2.46	205.8	1731.0	1936.8	10,043
Windsor	31B	NEBMH003	250	1660	207	1867	57.2	5.4	2.89	15.6	39.1	3.3	58.0								
Currie	32	NEBMH001	250	4888	267	5155	202.7	14.9	2.59	38.6	652.1	19.8	710.5								
Subtotal (Section NETB-9)						7022	259.9	20.3	54.2	691.2	23.1	768.5	987.4	38138	103.9	2.38	246.9	2445.4	2692.3	12,806	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	392.9	39.5	655.2								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	392.9	39.5	655.2	1069.2	35578	92.7	2.40	222.8	432.4	655.2	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	86.8	6.1	134.5								
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	89.7	4.0	121.0								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	176.5	10.0	255.5	1418.4	45859	119.4	2.30	274.6	618.9	893.6	15,816
Humber	25	Humber	250	407	132	539	56.2	1.6	3.17	4.9	90.0	4.6	99.5								
Subtotal (Section ECI-3)						539	56.2	1.6	3.17	4.9	90.0	4.6	99.5	1474.6	46398	121.0	2.29	277.6	713.5	991.2	16,169
Rutland	26	Rutland	250	743	0	743	78.4	2.2	3.10	6.7	90.0	1.9	98.6								
Subtotal (Section ECI-4)						743	78.4	2.2	3.10	6.7	90.0	1.9	98.6	1553.0	47141	123.1	2.29	281.8	805.4	1087.2	16,658
Estevan	27	ECIMH029	250	1599	101	1700	72.7	4.9	2.91	14.3	88.9	3.2	106.4								
Dalhousie	28	ECIMH029	250	771	0	771	29.4	2.2	3.10	6.9	36.0	1.3	44.2								
Subtotal (Section ECI-5)						2471	102.1	7.2	21.2	124.9	4.5	150.6	1655.1	49613	130.3	2.27	295.4	934.8	1230.2	17,872	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	87751	234.2	2.05	479.5	3380.1	3859.6	30,478
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Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	758.3	15.1	833.3								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	758.3	15.1	833.3	2870.1	97431	259.4	2.01	521.2	4153.5	4674.8	33,538
Hartley/Hollywood	35	ECIMH001	250	377	0	377	67.5	1.1	3.23	3.5	224.9	4.5	232.9								
Subtotal (Section NETC-1)						377	67.5	1.1	3.23	3.5	224.9	4.5	232.9	2937.6	97808	260.5	2.01	523.1	4382.9	4906.0	33,894
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	102.5	5.1	116.5								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	102.5	5.1	116.5	2982.7	98943	263.5	2.00	527.9	4490.5	5018.4	34,324
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1923.3	96.2	2315.2								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1923.3	96.2	2315.2	3829.3	164761	434.9	1.83	796.5	6510.0	7306.5	52,414

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1492	0	1492	40.6	3.9	2.95	11.4	55.2	2.3	68.9								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.4	55.2	2.3	68.9	40.6	1492	3.9	2.95	11.4	55.2	68.9	493
Trent	39A02	NEBMH062	225	2296	1414	3710	58.8	9.7	2.69	26.0	80.0	3.3	109.2								
Trent	39A03	NEBMH059	225	501	111	612	12.4	1.6	3.14	5.0	16.9	0.7	22.6								
Subtotal (Section NETB-2)						4322	71.2	11.3		31.0	96.8	4.0	131.8	111.8	5814	15.1	3.18	48.2	158.3	206.5	1,741
Trent	39C03	NEBMH054	225	1857	155	2012	39.7	5.2	2.87	15.0	51.2	1.0	67.2								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	15.0	51.2	1.0	67.2	151.5	7825	20.4	3.06	62.4	210.5	272.8	2,348
Trent	39B01	NEBMH050	225	5422	400	5822	102.7	15.2	2.55	38.6	215.3	19.4	273.3								
Trent	39B02	NEBMH050	225	1719	114	1833	47.2	4.8	2.89	13.8	98.9	8.9	121.7								
Trent	39C02	NEBMH049	225	959	0	959	20.4	2.5	3.05	7.6	26.3	0.5	34.4								
Trent	39C04	NEBMH041	225	368	467	835	12.5	2.2	3.08	6.7	16.1	0.3	23.1								
Subtotal (Section NETB-4)						9448	182.8	24.6		66.7	356.6	29.2	452.5	334.3	17274	45.0	2.72	122.2	596.3	718.5	5,182
Trent	39C01	NEBMH035	225	5514	840	6354	93.5	16.5	2.52	41.7	120.5	2.4	164.6								
Broom	30A02	NEBMH033	250	2356	373	2729	145.5	7.9	2.78	22.0	76.3	8.5	106.7								
Broom	30B01	NEBMH032	250	351	0	351	11.5	1.0	3.24	3.3	5.0	0.7	9.0								
Broom	30B02	NEBMH030	250	319	47	366	6.4	1.1	3.23	3.4	2.8	0.4	6.6								
Subtotal (Section NETB-5)						9801	256.9	26.5		70.3	204.7	11.9	286.9	591.2	27075	71.5	2.52	180.3	812.9	993.2	8,470
Broom	30B03	NEBMH028	250	658	403	1061	20.8	3.1	3.03	9.3	9.1	1.2	19.6								
Broom	30B04	NEBMH027	250	0	502	502	5.5	1.5	3.18	4.6	2.4	0.3	7.3								
Broom	30B05	NEBMH026	250	225	113	338	8.5	1.0	3.24	3.2	3.7	0.5	7.4								
Broom	30B06	NEBMH026	250	236	4	240	4.1	0.7	3.29	2.3	1.8	0.2	4.3								
Broom	30B07	NEBMH025	250	82	0	82	2.4	0.2	3.41	0.8	1.0	0.1	2.0								
Subtotal (Section NETB-6)						2223	41.3	6.4		20.2	18.1	2.4	40.6	632.5	29298	77.9	2.49	193.9	833.3	1027.2	9,185
Broom	30B09	NEBMH024	250	2247	277	2524	65.2	7.3	2.80	20.5	28.5	3.8	52.8								
Broom	30B08	NEBMH022	250	127	0	127	4.2	0.4	3.37	1.2	1.8	0.2	3.3								
Broom	30B10	NEBMH020	250	43	8	51	3.5	0.1	3.45	0.5	1.5	0.2	2.2								
Broom	30B11	NEBMH020	250	66	0	66	2.1	0.2	3.43	0.7	0.9	0.1	1.7								
Windsor	31A	NEBMH017	250	119	0	119	4.6	0.5	3.38	1.2	2.0	0.3	3.4								
Subtotal (Section NETB-7)						2889	79.6	8.4		24.1	34.8	4.6	63.5	712.1	32187	86.3	2.45	211.2	872.8	1084.0	10,216
Esplanade	29	NEBMH014	250	349	65	414	15.4	1.2	3.21	3.8	8.1	0.9	12.8								
Subtotal (Section NETB-8)						414	15.4	1.2		3.21	3.8	0.9	12.8	727.5	32601	87.5	2.44	213.6	881.7	1095.4	10,379
Windsor	31B	NEBMH003	250	1670	211	1881	57.2	5.4	2.89	15.7	25.0	3.3	44.0								
Currie	32	NEBMH001	250	4916	271	5187	202.7	15.0	2.58	38.8	325.2	19.8	383.7								
Subtotal (Section NETB-9)						7068	259.9	20.5		54.5	350.2	23.1	427.7	987.4	39669	107.9	2.36	254.7	1255.0	1509.7	13,154

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	24783	10818	35601	1069.2	92.7	2.40	222.9	176.4	39.5	438.8								
Subtotal (Section ECI-1)						35601	1069.2	92.7	2.40	222.9	176.4	39.5	438.8	1069.2	35601	92.7	2.40	222.9	215.9	438.8	12,154
Penryn	24	Penryn	225	2863	4449	7312	280.8	19.0	2.47	47.0	30.3	6.1	83.4								
Broom	30A01	Penryn	225	195	4548	4743	68.4	12.4	2.61	32.3	35.9	4.0	72.1								
Subtotal (Section ECI-2)						12055	349.2	31.4	5.08	79.3	66.2	10.0	155.5	1418.4	47656	124.1	2.28	283.5	292.1	575.6	16,220
Humber	25	Humber	250	409	135	544	56.2	1.6	3.16	5.0	90.0	4.6	99.5								
Subtotal (Section ECI-3)						544	56.2	1.6	3.16	5.0	90.0	4.6	99.5	1474.6	48200	125.7	2.28	286.5	386.7	673.2	16,574
Rutland	26	Rutland	250	748	0	748	78.4	2.2	3.10	6.7	90.0	1.9	98.6								
Subtotal (Section ECI-4)						748	78.4	2.2	3.10	6.7	90.0	1.9	98.6	1553.0	48947	127.8	2.27	290.6	478.6	769.2	17,065
Estevan	27	ECIMH029	250	1609	102	1711	72.7	4.9	2.91	14.4	57.7	3.2	75.3								
Dalhousie	28	ECIMH029	250	776	0	776	29.4	2.2	3.09	7.0	23.3	1.3	31.6								
Subtotal (Section ECI-5)						2487	102.1	7.2		21.4	81.0	4.5	106.8	1655.1	51434	135.0	2.25	304.3	564.1	868.3	18,082

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	91103	243.0	2.03	494.1	1819.1	2313.2	31,236
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Richmond	34	ECIMH005	225	8613	1642	10255	227.6	26.7	2.36	62.9	375.9	15.1	453.8								
Subtotal (Section ECI-7)						10255	227.6	26.7	2.36	62.9	375.9	15.1	453.8	2870.1	101358	269.7	2.00	538.1	2210.0	2748.1	34,425
Hartley/Hollywood	35	ECIMH001	250	379	0	379	67.5	1.1	3.23	3.5	111.5	4.5	119.5								
Subtotal (Section NETC-1)						379	67.5	1.1	3.23	3.5	111.5	4.5	119.5	2937.6	101737	270.8	1.99	539.9	2325.9	2865.8	34,782
Bushby	37	NECMH010	225	1203	7	1210	45.1	3.2	3.00	9.4	55.9	5.1	70.5								
Subtotal (Section NETC-2)						1210	45.1	3.2	3.00	9.4	55.9	5.1	70.5	2982.7	102947	273.9	1.99	545.0	2387.0	2932.0	35,229
Clover	38	NECMH003	225	41993	33732	75725	846.6	197.2	1.68	331.6	1050.1	96.2	1478.0								
Subtotal (Section NETC-3)						75725	846.6	197.2	1.68	331.6	1050.1	96.2	1478.0	3829.3	178672	471.1	1.81	850.9	3533.3	4384.3	55,548

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1492	0	1492	40.6	3.9	2.95	11.4	78.8	2.3		92.5								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.4	78.8	2.3		92.5	40.6	1492	3.9	2.95	11.4	81.1	92.5	493
Trent	39A02	NEBMH062	225	2296	1414	3710	58.8	9.7	2.69	26.0	114.2	3.3	143.4									
Trent	39A03	NEBMH059	225	501	111	612	12.4	1.6	3.14	5.0	24.1	0.7	29.8									
Subtotal (Section NETB-2)						4322	71.2	11.3		31.0	138.2	4.0	173.2	111.8	5814	15.1	3.18	48.2	223.3	271.5	1,741	
Trent	39C03	NEBMH054	225	1857	155	2012	39.7	5.2	2.87	15.0	65.2	1.0	81.3									
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	15.0	65.2	1.0	81.3	151.5	7825	20.4	3.06	62.4	289.6	351.9	2,348	
Trent	39B01	NEBMH050	225	5422	400	5822	102.7	15.2	2.55	38.6	256.7	19.4	314.7									
Trent	39B02	NEBMH050	225	1719	114	1833	47.2	4.8	2.89	13.8	118.0	8.9	140.7									
Trent	39C02	NEBMH049	225	959	0	959	20.4	2.5	3.05	7.6	33.5	0.5	41.7									
Trent	39C04	NEBMH041	225	368	467	835	12.5	2.2	3.08	6.7	20.5	0.3	27.6									
Subtotal (Section NETB-4)						9448	182.8	24.6		66.7	428.7	29.2	524.6	334.3	17274	45.0	2.72	122.2	747.5	869.7	5,182	
Trent	39C01	NEBMH035	225	5514	840	6354	93.5	16.5	2.52	41.7	153.6	2.4	197.7									
Broom	30A02	NEBMH033	250	2356	373	2729	145.5	7.9	2.78	22.0	106.9	8.5	137.4									
Broom	30B01	NEBMH032	250	351	0	351	11.5	1.0	3.24	3.3	5.8	0.7	9.8									
Broom	30B02	NEBMH030	250	319	47	366	6.4	1.1	3.23	3.4	3.2	0.4	7.0									
Subtotal (Section NETB-5)						9801	256.9	26.5		70.3	269.6	11.9	351.8	591.2	27075	71.5	2.52	180.3	1028.9	1209.2	8,470	
Broom	30B03	NEBMH028	250	658	403	1061	20.8	3.1	3.03	9.3	10.5	1.2	21.0									
Broom	30B04	NEBMH027	250	0	502	502	5.5	1.5	3.18	4.6	2.8	0.3	7.7									
Broom	30B05	NEBMH026	250	225	113	338	8.5	1.0	3.24	3.2	4.3	0.5	7.9									
Broom	30B06	NEBMH026	250	236	4	240	4.1	0.7	3.29	2.3	2.1	0.2	4.6									
Broom	30B07	NEBMH025	250	82	0	82	2.4	0.2	3.41	0.8	1.2	0.1	2.2									
Subtotal (Section NETB-6)						2223	41.3	6.4		20.2	20.8	2.4	43.4	632.5	29298	77.9	2.49	193.9	1052.1	1246.0	9,185	
Broom	30B09	NEBMH024	250	2247	277	2524	65.2	7.3	2.80	20.5	32.8	3.8	57.1									
Broom	30B08	NEBMH022	250	127	0	127	4.2	0.4	3.37	1.2	2.1	0.2	3.6									
Broom	30B10	NEBMH020	250	43	8	51	3.5	0.1	3.45	0.5	1.8	0.2	2.5									
Broom	30B11	NEBMH020	250	66	0	66	2.1	0.2	3.43	0.7	1.1	0.1	1.9									
Windsor	31A	NEBMH017	250	119	0	119	4.6	0.5	3.38	1.2	2.3	0.3	3.7									
Subtotal (Section NETB-7)						2889	79.6	8.4		24.1	40.1	4.6	68.8	712.1	32187	86.3	2.45	211.2	1096.8	1308.0	10,216	
Esplanade	29	NEBMH014	250	349	65	414	15.4	1.2	3.21	3.8	11.3	0.9	16.1									
Subtotal (Section NETB-8)						414	15.4	1.2	3.21	3.8	11.3	0.9	16.1	727.5	32601	87.5	2.44	213.6	1109.1	1322.7	10,379	
Windsor	31B	NEBMH003	250	1670	211	1881	57.2	5.4	2.89	15.7	28.8	3.3	47.8									
Currie	32	NEBMH001	250	4916	271	5187	202.7	15.0	2.58	38.8	412.8	19.8	471.3									
Subtotal (Section NETB-9)						7068	259.9	20.5		54.5	441.6	23.1	519.1	987.4	39669	107.9	2.36	254.7	1573.7	1828.4	13,154	

NET-B Ends at the Currie Major Pump Station

ECI																						
Arbutus	23	ECIMH041	225	24783	10818	35601	1069.2	92.7	2.40	222.9	234.4	39.5	496.9									
Subtotal (Section ECI-1)						35601	1069.2	92.7	2.40	222.9	234.4	39.5	496.9	1069.2	35601	92.7	2.40	222.9	273.9	496.9	12,154	
Penryn	24	Penryn	225	2863	4449	7312	280.8	19.0	2.47	47.0	45.4	6.1	98.5									
Broom	30A01	Penryn	225	195	4548	4743	68.4	12.4	2.61	32.3	50.3	4.0	86.5									
Subtotal (Section ECI-2)						12055	349.2	31.4	5.08	79.3	95.7	10.0	185.1	1418.4	47656	124.1	2.28	283.5	379.7	663.1	16,220	
Humber	25	Humber	250	409	135	544	56.2	1.6	3.16	5.0	90.0	4.6	99.5									
Subtotal (Section ECI-3)						544	56.2	1.6	3.16	5.0	90.0	4.6	99.5	1474.6	48200	125.7	2.28	286.5	474.2	760.7	16,574	
Rutland	26	Rutland	250	748	0	748	78.4	2.2	3.10	6.7	90.0	1.9	98.6									
Subtotal (Section ECI-4)						748	78.4	2.2	3.10	6.7	90.0	1.9	98.6	1553.0	48947	127.8	2.27	290.6	566.1	856.7	17,065	
Estevan	27	ECIMH029	250	1609	102	1711	72.7	4.9	2.91	14.4	66.1	3.2	83.6									
Dalhousie	28	ECIMH029	250	776	0	776	29.4	2.2	3.09	7.0	26.7	1.3	35.0									
Subtotal (Section ECI-5)						2487	102.1	7.2		21.4	92.8	4.5	118.6	1655.1	51434	135.0	2.25	304.3	663.4	967.6	18,082	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	91103	243.0	2.03	494.1	2237.1	2731.2	31,236

Richmond	34	ECIMH005	225	8613	1642	10255	227.6	26.7	2.36	62.9	478.5	15.1	556.5									
Subtotal (Section ECI-7)						10255	227.6	26.7	2.36	62.9	478.5	15.1	556.5	2870.1	101358	269.7	2.00	538.1	2730.7	3268.7	34,425	
Haring/Hollywood	35	ECIMH001	250	379	0	379	67.5	1.1	3.23	3.5	141.9	4.5	149.9									
Subtotal (Section NETC-1)						379	67.5	1.1	3.23	3.5	141.9	4.5	149.9	2937.6	101737	270.8	1.99	539.9	2877.1	3417.0	34,782	
Bushby	37	NECMH010	225	1203	7	1210	45.1	3.2	3.00	9.4	68.4	5.1	83.0									
Subtotal (Section NETC-2)						1210	45.1	3.2	3.00	9.4	68.4	5.1	83.0	2982.7	102947	273.9	1.99	545.0	2950.6	3495.6	35,229	
Clover	38	NECMH003	225	41993	33732	75725	846.6	197.2	1.68	331.6	1284.1	96.2	1712.0									
Subtotal (Section NETC-3)						75725	846.6	197.2	1.68	331.6	1284.1	96.2	1712.0	3829.3	178672	471.1	1.81	850.9	4330.9	5181.8	55,548	

NET/ECI Estimated Wastewater Flows
Year = 2015, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1492	0	1492	40.6	3.9	2.95	11.4	94.5	2.3	108.2								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.4	94.5	2.3	108.2	40.6	1492	3.9	2.95	11.4	96.8	108.2	493
Trent	39A02	NEBMH062	225	2296	1414	3710	58.8	9.7	2.69	26.0	136.9	3.3	166.1								
Trent	39A03	NEBMH059	225	501	111	612	12.4	1.6	3.14	5.0	28.9	0.7	34.6								
Subtotal (Section NETB-2)						4322	71.2	11.3		31.0	165.7	4.0	200.7	111.8	5814	15.1	3.18	48.2	266.5	314.7	1,741
Trent	39C03	NEBMH054	225	1857	155	2012	39.7	5.2	2.87	15.0	74.5	1.0	90.6								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	15.0	74.5	1.0	90.6	151.5	7825	20.4	3.06	62.4	342.1	404.4	2,348
Trent	39B01	NEBMH050	225	5422	400	5822	102.7	15.2	2.55	38.6	283.9	19.4	341.9								
Trent	39B02	NEBMH050	225	1719	114	1833	47.2	4.8	2.89	13.8	130.5	8.9	153.2								
Trent	39C02	NEBMH049	225	959	0	959	20.4	2.5	3.05	7.6	38.3	0.5	46.5								
Trent	39C04	NEBMH041	225	368	467	835	12.5	2.2	3.08	6.7	23.5	0.3	30.5								
Subtotal (Section NETB-4)						9448	182.8	24.6		66.7	476.2	29.2	572.1	334.3	17274	45.0	2.72	122.2	847.4	969.6	5,182
Trent	39C01	NEBMH035	225	5514	840	6354	93.5	16.5	2.52	41.7	175.6	2.4	219.7								
Broom	30A02	NEBMH033	250	2356	373	2729	145.5	7.9	2.78	22.0	127.3	8.5	157.7								
Broom	30B01	NEBMH032	250	351	0	351	11.5	1.0	3.24	3.3	6.3	0.7	10.2								
Broom	30B02	NEBMH030	250	319	47	366	6.4	1.1	3.23	3.4	3.5	0.4	7.3								
Subtotal (Section NETB-5)						9801	256.9	26.5		70.3	312.6	11.9	394.9	591.2	27075	71.5	2.52	180.3	1171.9	1352.2	8,470
Broom	30B03	NEBMH028	250	658	403	1061	20.8	3.1	3.03	9.3	11.3	1.2	21.9								
Broom	30B04	NEBMH027	250	0	502	502	5.5	1.5	3.18	4.6	3.0	0.3	7.9								
Broom	30B05	NEBMH026	250	225	113	338	8.5	1.0	3.24	3.2	4.6	0.5	8.3								
Broom	30B06	NEBMH026	250	236	4	240	4.1	0.7	3.29	2.3	2.2	0.2	4.8								
Broom	30B07	NEBMH025	250	82	0	82	2.4	0.2	3.41	0.8	1.3	0.1	2.3								
Subtotal (Section NETB-6)						2223	41.3	6.4		20.2	22.5	2.4	45.1	632.5	29298	77.9	2.49	193.9	1196.9	1390.7	9,185
Broom	30B09	NEBMH024	250	2247	277	2524	65.2	7.3	2.80	20.5	35.6	3.8	59.8								
Broom	30B08	NEBMH022	250	127	0	127	4.2	0.4	3.17	1.2	2.3	0.2	3.8								
Broom	30B10	NEBMH020	250	43	8	51	3.5	0.1	3.45	0.5	1.9	0.2	2.6								
Broom	30B11	NEBMH020	250	66	0	66	2.1	0.2	3.43	0.7	1.1	0.1	1.9								
Windsor	31A	NEBMH017	250	119	0	119	4.6	0.5	3.38	1.2	2.5	0.3	3.9								
Subtotal (Section NETB-7)						2889	79.6	8.4		24.1	43.4	4.6	72.1	712.1	32187	86.3	2.45	211.2	1244.9	1456.1	10,216
Esplanade	29	NEBMH014	250	349	65	414	15.4	1.2	3.21	3.8	13.5	0.9	18.2								
Subtotal (Section NETB-8)						414	15.4	1.2	3.21	3.8	13.5	0.9	18.2	727.5	32601	87.5	2.44	213.6	1259.3	1473.0	10,379
Windsor	31B	NEBMH003	250	1670	211	1881	57.2	5.4	2.89	15.7	31.2	3.3	50.2								
Currie	32	NEBMH001	250	4916	271	5187	202.7	15.0	2.58	38.8	470.7	19.8	529.2								
Subtotal (Section NETB-9)						7068	259.9	20.5		54.5	501.9	23.1	579.5	987.4	39669	107.9	2.36	254.7	1784.3	2039.0	13,154

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	24783	10818	35601	1069.2	92.7	2.40	222.9	272.7	39.5	535.2								
Subtotal (Section ECI-1)						35601	1069.2	92.7	2.40	222.9	272.7	39.5	535.2	1069.2	35601	92.7	2.40	222.9	312.3	535.2	12,154
Penryn	24	Penryn	225	2863	4449	7312	280.8	19.0	2.47	47.0	55.4	6.1	108.5								
Broom	30A01	Penryn	225	195	4548	4743	68.4	12.4	2.61	32.3	59.8	4.0	96.1								
Subtotal (Section ECI-2)						12055	349.2	31.4	5.08	79.3	115.3	10.0	204.6	1418.4	47656	124.1	2.28	283.5	437.6	721.0	16,220
Humber	25	Humber	250	409	135	544	56.2	1.6	3.16	5.0	90.0	4.6	99.5								
Subtotal (Section ECI-3)						544	56.2	1.6	3.16	5.0	90.0	4.6	99.5	1474.6	48200	125.7	2.28	286.5	532.1	818.6	16,574
Rutland	26	Rutland	250	748	0	748	78.4	2.2	3.10	6.7	90.0	1.9	98.6								
Subtotal (Section ECI-4)						748	78.4	2.2	3.10	6.7	90.0	1.9	98.6	1553.0	48947	127.8	2.27	290.6	624.0	914.7	17,065
Estevan	27	ECIMH029	250	1609	102	1711	72.7	4.9	2.91	14.4	71.6	3.2	89.2								
Dalhousie	28	ECIMH029	250	776	0	776	29.4	2.2	3.09	7.0	28.9	1.3	37.2								
Subtotal (Section ECI-5)						2487	102.1	7.2		21.4	100.5	4.5	126.3	1655.1	51434	135.0	2.25	304.3	729.0	1033.3	18,082
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	91103	243.0	2.03	494.1	2513.3	3007.5	31,236

Richmond	34	ECIMH005	225	8613	1642	10255	227.6	26.7	2.36	62.9	546.0	15.1	624.0								
Subtotal (Section ECI-7)						10255	227.6	26.7	2.36	62.9	546.0	15.1	624.0	2870.1	101358	269.7	2.00	538.1	3074.4	3612.5	34,425
Hartley/Hollywood	35	ECIMH001	250	379	0	379	67.5	1.1	3.23	3.5	161.9	4.5	169.9								
Subtotal (Section NETC-1)						379	67.5	1.1	3.23	3.5	161.9	4.5	169.9	2937.6	101737	270.8	1.99	539.9	3240.8	3780.7	34,782
Bushby	37	NECMH010	225	1203	7	1210	45.1	3.2	3.00	9.4	76.6	5.1	91.2								
Subtotal (Section NETC-2)						1210	45.1	3.2	3.00	9.4	76.6	5.1	91.2	2982.7	102947	273.9	1.99	545.0	3322.6	3867.6	35,229
Clover	38	NECMH003	225	41993	33732	75725	846.6	197.2	1.68	331.6	1438.8	96.2	1866.7								
Subtotal (Section NETC-3)						75725	846.6	197.2	1.68	331.6	1438.8	96.2	1866.7	3829.3	178672	471.1	1.81	850.9	4857.6	5708.5	55,548

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1492	0	1492	40.6	3.9	2.95	11.4	114.3	2.3	128.0								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.4	114.3	2.3	128.0	40.6	1492	3.9	2.95	11.4	116.5	128.0	493
Trent	39A02	NEBMH062	225	2296	1414	3710	58.8	9.7	2.69	26.0	165.5	3.3	194.7								
Trent	39A03	NEBMH059	225	501	111	612	12.4	1.6	3.14	5.0	34.9	0.7	40.6								
Subtotal (Section NETB-2)						4322	71.2	11.3		31.0	200.4	4.0	235.3	111.8	5814	15.1	3.18	48.2	320.9	369.1	1,741
Trent	39C03	NEBMH054	225	1857	155	2012	39.7	5.2	2.87	15.0	86.3	1.0	102.3								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	15.0	86.3	1.0	102.3	151.5	7825	20.4	3.06	62.4	408.2	470.5	2,348
Trent	39B01	NEBMH050	225	5422	400	5822	102.7	15.2	2.55	38.6	318.5	19.4	376.5								
Trent	39B02	NEBMH050	225	1719	114	1833	47.2	4.8	2.89	13.8	146.4	8.9	169.1								
Trent	39C02	NEBMH049	225	959	0	959	20.4	2.5	3.05	7.6	44.3	0.5	52.5								
Trent	39C04	NEBMH041	225	368	467	835	12.5	2.2	3.08	6.7	27.2	0.3	34.2								
Subtotal (Section NETB-4)						9448	182.8	24.6		66.7	536.4	29.2	632.3	334.3	17274	45.0	2.72	122.2	973.8	1096.0	5,182
Trent	39C01	NEBMH035	225	5514	840	6354	93.5	16.5	2.52	41.7	203.2	2.4	247.3								
Broom	30A02	NEBMH033	250	2356	373	2729	145.5	7.9	2.78	22.0	152.9	8.5	183.3								
Broom	30B01	NEBMH032	250	351	0	351	11.5	1.0	3.24	3.3	6.9	0.7	10.9								
Broom	30B02	NEBMH030	250	319	47	366	6.4	1.1	3.23	3.4	3.8	0.4	7.6								
Subtotal (Section NETB-5)						9801	256.9	26.5		70.3	366.9	11.9	449.1	591.2	27075	71.5	2.52	180.3	1352.6	1532.9	8,470
Broom	30B03	NEBMH028	250	658	403	1061	20.8	3.1	3.03	9.3	12.5	1.2	23.0								
Broom	30B04	NEBMH027	250	0	502	502	5.5	1.5	3.18	4.6	3.3	0.3	8.2								
Broom	30B05	NEBMH026	250	225	113	338	8.5	1.0	3.24	3.2	5.1	0.5	8.8								
Broom	30B06	NEBMH026	250	236	4	240	4.1	0.7	3.29	2.3	2.5	0.2	5.0								
Broom	30B07	NEBMH025	250	82	0	82	2.4	0.2	3.41	0.8	1.4	0.1	2.4								
Subtotal (Section NETB-6)						2223	41.3	6.4		20.2	24.8	2.4	47.4	632.5	29298	77.9	2.49	193.9	1379.8	1573.7	9,185
Broom	30B09	NEBMH024	250	2247	277	2524	65.2	7.3	2.80	20.5	39.2	3.8	63.5								
Broom	30B08	NEBMH022	250	127	0	127	4.2	0.4	3.37	1.2	2.5	0.2	4.0								
Broom	30B10	NEBMH020	250	43	8	51	3.5	0.1	3.45	0.5	2.1	0.2	2.8								
Broom	30B11	NEBMH020	250	66	0	66	2.1	0.2	3.43	0.7	1.3	0.1	2.1								
Windsor	31A	NEBMH017	250	119	0	119	4.6	0.5	3.38	1.2	2.9	0.3	4.2								
Subtotal (Section NETB-7)						2889	79.6	8.4		24.1	47.9	4.6	76.6	712.1	32187	86.3	2.45	211.2	1432.3	1643.5	10,216
Esplanade	29	NEBMH014	250	349	65	414	15.4	1.2	3.21	3.8	16.2	0.9	20.9								
Subtotal (Section NETB-8)						414	15.4	1.2	3.21	3.8	16.2	0.9	20.9	727.5	32601	87.5	2.44	213.6	1449.4	1663.0	10,379
Windsor	31B	NEBMH003	250	1670	211	1881	57.2	5.4	2.89	15.7	34.4	3.3	53.4								
Currie	32	NEBMH001	250	4916	271	5187	202.7	15.0	2.58	38.8	543.9	19.8	602.5								
Subtotal (Section NETB-9)						7068	259.9	20.5		54.5	578.3	23.1	655.9	987.4	39669	107.9	2.36	254.7	2050.8	2305.5	13,154

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	24783	10818	35601	1069.2	92.7	2.40	222.9	321.2	39.5	583.7								
Subtotal (Section ECI-1)						35601	1069.2	92.7	2.40	222.9	321.2	39.5	583.7	1069.2	35601	92.7	2.40	222.9	360.8	583.7	12,154
Penryhn	24	Penryhn	225	2863	4449	7312	280.8	19.0	2.47	47.0	68.1	6.1	121.2								
Broom	30A01	Penryhn	225	195	4548	4743	68.4	12.4	2.61	32.3	71.9	4.0	108.1								
Subtotal (Section ECI-2)						12055	349.2	31.4	5.08	79.3	140.0	10.0	229.3	1418.4	47656	124.1	2.28	283.5	510.7	794.2	16,220
Humber	25	Humber	250	409	135	544	56.2	1.6	3.16	5.0	90.0	4.6	99.5								
Subtotal (Section ECI-3)						544	56.2	1.6	3.16	5.0	90.0	4.6	99.5	1474.6	48200	125.7	2.28	286.5	605.3	891.8	16,574
Rutland	26	Rutland	250	748	0	748	78.4	2.2	3.10	6.7	90.0	1.9	98.6								
Subtotal (Section ECI-4)						748	78.4	2.2	3.10	6.7	90.0	1.9	98.6	1553.0	48947	127.8	2.27	290.6	697.2	987.8	17,065
Estevan	27	ECIMH029	250	1609	102	1711	72.7	4.9	2.91	14.4	78.6	3.2	96.2								
Dalhousie	28	ECIMH029	250	776	0	776	29.4	2.2	3.09	7.0	31.8	1.3	40.0								
Subtotal (Section ECI-5)						2487	102.1	7.2		21.4	110.4	4.5	136.2	1655.1	51434	135.0	2.25	304.3	812.1	1116.3	18,082
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	91103	243.0	2.03	494.1	2862.9	3357.0	31,236

Richmond	34	ECIMH005	225	8613	1642	10255	227.6	26.7	2.36	62.9	631.8	15.1	709.7								
Subtotal (Section ECI-7)						10255	227.6	26.7	2.36	62.9	631.8	15.1	709.7	2870.1	101358	269.7	2.00	538.1	3509.7	4047.8	34,425
Hartley/Hollywood	35	ECIMH001	250	379	0	379	67.5	1.1	3.23	3.5	187.4	4.5	195.4								
Subtotal (Section NETC-1)						379	67.5	1.1	3.23	3.5	187.4	4.5	195.4	2937.6	101737	270.8	1.99	539.9	3701.5	4241.4	34,782
Bushby	37	NECMH010	225	1203	7	1210	45.1	3.2	3.00	9.4	87.1	5.1	101.6								
Subtotal (Section NETC-2)						1210	45.1	3.2	3.00	9.4	87.1	5.1	101.6	2982.7	102947	273.9	1.99	545.0	3793.7	4338.8	35,229
Clover	38	NECMH003	225	41993	33732	75725	846.6	197.2	1.68	331.6	1634.4	96.2	2062.3								
Subtotal (Section NETC-3)						75725	846.6	197.2	1.68	331.6	1634.4	96.2	2062.3	3829.3	178672	471.1	1.81	850.9	5524.4	6375.3	55,548

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1492	0	1492	40.6	3.9	2.95	11.4	143.6	2.3	157.3								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.4	143.6	2.3	157.3	40.6	1492	3.9	2.95	11.4	145.8	157.3	493
Trent	39A02	NEBMH062	225	2296	1414	3710	58.8	9.7	2.69	26.0	207.9	3.3	237.2								
Trent	39A03	NEBMH059	225	501	111	612	12.4	1.6	3.14	5.0	43.8	0.7	49.5								
Subtotal (Section NETB-2)						4322	71.2	11.3		31.0	251.8	4.0	286.7	111.8	5814	15.1	3.18	48.2	401.6	449.8	1,741
Trent	39C03	NEBMH054	225	1857	155	2012	39.7	5.2	2.87	15.0	103.7	1.0	119.8								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	15.0	103.7	1.0	119.8	151.5	7825	20.4	3.06	62.4	506.3	568.7	2,348
Trent	39B01	NEBMH050	225	5422	400	5822	102.7	15.2	2.55	38.6	369.6	19.4	427.6								
Trent	39B02	NEBMH050	225	1719	114	1833	47.2	4.8	2.89	13.8	169.9	8.9	192.6								
Trent	39C02	NEBMH049	225	959	0	959	20.4	2.5	3.05	7.6	53.3	0.5	61.4								
Trent	39C04	NEBMH041	225	368	467	835	12.5	2.2	3.08	6.7	32.7	0.3	39.7								
Subtotal (Section NETB-4)						9448	182.8	24.6		66.7	625.4	29.2	721.3	334.3	17274	45.0	2.72	122.2	1160.9	1283.1	5,182
Trent	39C01	NEBMH035	225	5514	840	6354	93.5	16.5	2.52	41.7	244.3	2.4	288.4								
Broom	30A02	NEBMH033	250	2356	373	2729	145.5	7.9	2.78	22.0	190.9	8.5	221.3								
Broom	30B01	NEBMH032	250	351	0	351	11.5	1.0	3.24	3.3	7.9	0.7	11.8								
Broom	30B02	NEBMH030	250	319	47	366	6.4	1.1	3.23	3.4	4.4	0.4	8.2								
Subtotal (Section NETB-5)						9801	256.9	26.5		70.3	447.4	11.9	529.7	591.2	27075	71.5	2.52	180.3	1620.3	1800.5	8,470
Broom	30B03	NEBMH028	250	658	403	1061	20.8	3.1	3.03	9.3	14.2	1.2	24.7								
Broom	30B04	NEBMH027	250	0	502	502	5.5	1.5	3.18	4.6	3.8	0.3	8.7								
Broom	30B05	NEBMH026	250	225	113	338	8.5	1.0	3.24	3.2	5.8	0.5	9.5								
Broom	30B06	NEBMH026	250	236	4	240	4.1	0.7	3.29	2.3	2.8	0.2	5.3								
Broom	30B07	NEBMH025	250	82	0	82	2.4	0.2	3.41	0.8	1.6	0.1	2.6								
Subtotal (Section NETB-6)						2223	41.3	6.4		20.2	28.2	2.4	50.8	632.5	29298	77.9	2.49	193.9	1650.9	1844.8	9,185
Broom	30B09	NEBMH024	250	2247	277	2524	65.2	7.3	2.80	20.5	44.6	3.8	68.8								
Broom	30B08	NEBMH022	250	127	0	127	4.2	0.4	3.37	1.2	2.9	0.2	4.4								
Broom	30B10	NEBMH020	250	43	8	51	3.5	0.1	3.45	0.5	2.4	0.2	3.1								
Broom	30B11	NEBMH020	250	66	0	66	2.1	0.2	3.43	0.7	1.4	0.1	2.2								
Windsor	31A	NEBMH017	250	119	0	119	4.6	0.5	3.38	1.2	3.1	0.3	4.6								
Subtotal (Section NETB-7)						2889	79.6	8.4		24.1	54.4	4.6	83.1	712.1	32187	86.3	2.45	211.2	1709.9	1921.1	10,216
Esplanade	29	NEBMH014	250	349	65	414	15.4	1.2	3.21	3.8	20.2	0.9	24.9								
Subtotal (Section NETB-8)						414	15.4	1.2	3.21	3.8	20.2	0.9	24.9	727.5	32601	87.5	2.44	213.6	1731.0	1944.7	10,379
Windsor	31B	NEBMH003	250	1670	211	1881	57.2	5.4	2.89	15.7	39.1	3.3	58.1								
Currie	32	NEBMH001	250	4916	271	5187	202.7	15.0	2.58	38.8	652.1	19.8	710.7								
Subtotal (Section NETB-9)						7068	259.9	20.5		54.5	691.2	23.1	768.8	987.4	39669	107.9	2.36	254.7	2445.4	2700.0	13,154

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	24783	10818	35601	1069.2	92.7	2.40	222.9	392.9	39.5	655.3								
Subtotal (Section ECI-1)						35601	1069.2	92.7	2.40	222.9	392.9	39.5	655.3	1069.2	35601	92.7	2.40	222.9	432.4	655.3	12,154
Penryn	24	Penryn	225	2863	4449	7312	280.8	19.0	2.47	47.0	86.8	6.1	139.9								
Broom	30A01	Penryn	225	195	4548	4743	68.4	12.4	2.61	32.3	89.7	4.0	126.0								
Subtotal (Section ECI-2)						12055	349.2	31.4	5.08	79.3	176.5	10.0	265.9	1418.4	47656	124.1	2.28	283.5	618.9	902.4	16,220
Humber	25	Humber	250	409	135	544	56.2	1.6	3.16	5.0	90.0	4.6	99.5								
Subtotal (Section ECI-3)						544	56.2	1.6	3.16	5.0	90.0	4.6	99.5	1474.6	48200	125.7	2.28	286.5	713.5	1000.0	16,574
Rutland	26	Rutland	250	748	0	748	78.4	2.2	3.10	6.7	90.0	1.9	98.6								
Subtotal (Section ECI-4)						748	78.4	2.2	3.10	6.7	90.0	1.9	98.6	1553.0	48947	127.8	2.27	290.6	805.4	1096.0	17,065
Estevan	27	ECIMH029	250	1609	102	1711	72.7	4.9	2.91	14.4	88.9	3.2	106.5								
Dalhousie	28	ECIMH029	250	776	0	776	29.4	2.2	3.09	7.0	36.0	1.3	44.2								
Subtotal (Section ECI-5)						2487	102.1	7.2		21.4	124.9	4.5	150.7	1655.1	51434	135.0	2.25	304.3	934.8	1239.0	18,082
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	91103	243.0	2.03	494.1	3380.1	3874.3	31,236

Richmond	34	ECIMH005	225	8613	1642	10255	227.6	26.7	2.36	62.9	758.3	15.1	836.3								
Subtotal (Section ECI-7)						10255	227.6	26.7	2.36	62.9	758.3	15.1	836.3	2870.1	101358	269.7	2.00	538.1	4153.5	4691.6	34,425
Hartley/Hollywood	35	ECIMH001	250	379	0	379	67.5	1.1	3.23	3.5	224.9	4.5	232.9								
Subtotal (Section NETC-1)						379	67.5	1.1	3.23	3.5	224.9	4.5	232.9	2937.6	101737	270.8	1.99	539.9	4382.9	4922.8	34,782
Bushby	37	NECMH010	225	1203	7	1210	45.1	3.2	3.00	9.4	102.5	5.1	117.0								
Subtotal (Section NETC-2)						1210	45.1	3.2	3.00	9.4	102.5	5.1	117.0	2982.7	102947	273.9	1.99	545.0	4490.5	5035.5	35,229
Clover	38	NECMH003	225	41993	33732	75725	846.6	197.2	1.68	331.6	1923.3	96.2	2351.2								
Subtotal (Section NETC-3)						75725	846.6	197.2	1.68	331.6	1923.3	96.2	2351.2	3829.3	178672	471.1	1.81	850.9	6510.0	7361.0	55,548

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)	
Trent	39A01	NEBMH066	225	1584	0	1584	40.6	4.1	2.93	12.1	55.2	2.3	69.6									
Subtotal (Section NETB-1)						1584	40.6	4.1	2.93	12.1	55.2	2.3	69.6	40.6	1584	4.1	2.93	12.1	57.5	69.6	514	
Trent	39A02	NEBMH062	225	2438	1514	3952	58.8	10.3	2.67	27.5	80.0	3.3	110.7									
Trent	39A03	NEBMH059	225	532	117	649	12.4	1.7	3.13	5.3	16.9	0.7	22.8									
Subtotal (Section NETB-2)						4602	71.2	12.0	32.8	96.8	4.0	133.6	111.8	6186	16.1	3.16	50.9	158.3	209.2	1,825		
Trent	39C03	NEBMH054	225	1984	171	2155	39.7	5.6	2.85	16.0	51.2	1.0	68.2									
Subtotal (Section NETB-3)						2155	39.7	5.6	2.85	16.0	51.2	1.0	68.2	151.5	8341	21.7	3.03	65.9	210.5	276.4	2,464	
Trent	39B01	NEBMH050	225	5756	424	6180	102.7	16.1	2.53	40.7	215.3	19.4	275.3									
Trent	39B02	NEBMH050	225	1826	120	1946	47.2	5.1	2.88	14.6	98.9	8.9	122.4									
Trent	39C02	NEBMH049	225	1019	0	1019	20.4	2.7	3.04	8.1	26.3	0.5	34.9									
Trent	39C04	NEBMH041	225	420	518	938	12.5	2.4	3.05	7.5	16.1	0.3	23.9									
Subtotal (Section NETB-4)						10083	182.8	26.3	70.8	356.6	29.2	456.6	334.3	18424	48.0	2.69	129.0	596.3	725.3	5,441		
Trent	39C01	NEBMH035	225	5856	889	6745	93.5	17.6	2.50	43.9	120.5	2.4	166.8									
Broom	30A02	NEBMH033	250	2382	383	2765	145.5	8.0	2.78	22.2	76.3	8.5	107.0									
Broom	30B01	NEBMH032	250	392	0	392	11.5	1.1	3.22	3.7	5.0	0.7	9.3									
Broom	30B02	NEBMH030	250	322	49	371	6.4	1.1	3.23	3.5	2.8	0.4	6.6									
Subtotal (Section NETB-5)						10273	256.9	27.8	73.2	204.7	11.9	289.8	591.2	28697	75.8	2.50	189.1	812.9	1002.0	8,837		
Broom	30B03	NEBMH028	250	691	421	1112	20.8	3.2	3.02	9.7	9.1	1.2	20.0									
Broom	30B04	NEBMH027	250	0	515	515	5.5	1.5	3.17	4.7	2.4	0.3	7.5									
Broom	30B05	NEBMH026	250	227	116	343	8.5	1.0	3.24	3.2	3.7	0.5	7.4									
Broom	30B06	NEBMH026	250	239	4	243	4.1	0.7	3.29	2.3	1.8	0.2	4.3									
Broom	30B07	NEBMH025	250	83	0	83	2.4	0.2	3.41	0.8	1.0	0.1	2.0									
Subtotal (Section NETB-6)						2297	41.3	6.6	20.8	18.1	2.4	41.2	632.5	30994	82.4	2.46	203.0	833.3	1036.3	9,571		
Broom	30B09	NEBMH024	250	2273	283	2556	65.2	7.4	2.80	20.7	28.5	3.8	53.0									
Broom	30B08	NEBMH022	250	128	0	128	4.2	0.4	3.37	1.3	1.8	0.2	3.3									
Broom	30B10	NEBMH020	250	43	9	52	3.5	0.2	3.45	0.5	1.5	0.2	2.3									
Broom	30B11	NEBMH020	250	69	0	69	2.1	0.2	3.43	0.7	0.9	0.1	1.7									
Windsor	31A	NEBMH017	250	121	0	121	4.6	0.3	3.38	1.2	2.0	0.3	3.6									
Subtotal (Section NETB-7)						2925	79.6	8.5	24.3	34.8	4.6	63.8	712.1	33920	90.9	2.43	220.4	872.8	1093.1	10,611		
Esplanade	29	NEBMH014	250	353	66	419	15.4	1.2	3.21	3.9	8.1	0.9	12.9									
Subtotal (Section NETB-8)						419	15.4	1.2	3.21	3.9	8.1	0.9	12.9	727.5	34338	92.1	2.42	222.8	881.7	1104.6	10,775	
Windsor	31B	NEBMH003	250	1689	216	1905	57.2	5.5	2.88	15.9	25.0	3.3	44.2									
Currie	32	NEBMH001	250	4972	277	5249	202.7	15.2	2.58	39.2	325.2	19.8	384.1									
Subtotal (Section NETB-9)						7153	259.9	20.7	55.1	350.2	23.1	428.3	987.4	41491	112.8	2.34	264.0	1255.0	1519.0	13,571		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	28282	11353	39635	1069.2	103.2	2.36	243.6	176.4	39.5	459.5								
Subtotal (Section ECI-1)						39635	1069.2	103.2	2.36	243.6	176.4	39.5	459.5	1069.2	39635	103.2	2.36	243.6	215.9	459.5	13,062
Penryn	24	Penryn	225	3267	5446	8713	280.8	22.7	2.41	54.7	30.3	6.1	91.1								
Broom	30A01	Penryn	225	197	5374	5571	68.4	14.5	2.56	37.2	35.9	4.0	77.0								
Subtotal (Section ECI-2)						14284	349.2	37.2	4.97	91.9	66.2	10.0	168.1	1418.4	53919	140.4	2.23	313.7	292.1	605.8	17,629
Humber	25	Humber	250	414	138	552	56.2	1.6	3.16	5.0	90.0	4.6	99.6								
Subtotal (Section ECI-3)						552	56.2	1.6	3.16	5.0	90.0	4.6	99.6	1474.6	54471	142.0	2.23	316.7	386.7	703.4	17,985
Rutland	26	Rutland	250	757	0	757	78.4	2.2	3.10	6.8	90.0	1.9	98.7								
Subtotal (Section ECI-4)						757	78.4	2.2	3.10	6.8	90.0	1.9	98.7	1553.0	55227	144.2	2.22	320.8	478.6	799.4	18,478
Estevan	27	ECIMH029	250	1626	105	1731	72.7	5.0	2.91	14.6	57.7	3.2	75.4								
Dalhousie	28	ECIMH029	250	785	0	785	29.4	2.3	3.09	7.0	23.3	1.3	31.6								
Subtotal (Section ECI-5)						2516	102.1	7.3	21.6	81.0	4.5	107.1	1655.1	57743	151.5	2.21	334.3	564.1	898.4	19,503	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	99234	264.3	2.00	529.2	1819.1	2348.3	33,074

Richmond	34	ECIMH005	225	9115	1734	10849	227.6	28.3	2.34	66.0	375.9	15.1	456.9								
Subtotal (Section ECI-7)						10849	227.6	28.3	2.34	66.0	375.9	15.1	456.9	2870.1	110084	292.5	1.97	575.1	2210.0	2785.1	36,397
Hartley/Hollywood	35	ECIMH001	250	383	0	383	67.5	1.1	3.22	3.6	111.5	4.5	119.5								
Subtotal (Section NETC-1)						383	67.5	1.1	3.22	3.6	111.5	4.5	119.5	2937.6	110467	293.6	1.96	576.9	2325.9	2902.8	36,754
Bushby	37	NECMH010	225	1277	7	1284	45.1	3.3	2.98	10.0	55.9	5.1	71.0								
Subtotal (Section NETC-2)						1284	45.1	3.3	2.98	10.0	55.9	5.1	71.0	2982.7	111751	297.0	1.96	582.3	2387.0	2969.3	37,218
Clover	38	NECMH003	225	44593	35668	80261	846.6	209.0	1.66	347.9	1050.1	96.2	1494.2								
Subtotal (Section NETC-3)						80261	846.6	209.0	1.66	347.9	1050.1	96.2	1494.2	3829.3	192012	506.0	1.78	902.7	3533.3	4436.0	58,558

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1584	0	1584	40.6	4.1	2.93	12.1	78.8	2.3	93.2								
Subtotal (Section NETB-1)						1584	40.6	4.1	2.93	12.1	78.8	2.3	93.2	40.6	1584	4.1	2.93	12.1	81.1	93.2	514
Trent	39A02	NEBMH062	225	2438	1514	3952	58.8	10.3	2.67	27.5	114.2	3.3	144.9								
Trent	39A03	NEBMH059	225	532	117	649	12.4	1.7	3.13	5.3	24.1	0.7	30.1								
Subtotal (Section NETB-2)						4602	71.2	12.0	32.8	138.2	4.0	175.0	111.8	6186	16.1	3.16	50.9	223.3	274.2	1,825	
Trent	39C03	NEBMH054	225	1984	171	2155	39.7	5.6	2.85	16.0	65.2	1.0	82.2								
Subtotal (Section NETB-3)						2155	39.7	5.6	2.85	16.0	65.2	1.0	82.2	151.5	8341	21.7	3.03	65.9	289.6	355.4	2,464
Trent	39B01	NEBMH050	225	5756	424	6180	102.7	16.1	2.53	40.7	256.7	19.4	316.8								
Trent	39B02	NEBMH050	225	1826	120	1946	47.2	5.1	2.88	14.6	118.0	8.9	141.5								
Trent	39C02	NEBMH049	225	1019	0	1019	20.4	2.7	3.04	8.1	33.5	0.5	42.1								
Trent	39C04	NEBMH041	225	420	518	938	12.5	2.4	3.05	7.5	20.5	0.3	28.3								
Subtotal (Section NETB-4)						10083	182.8	26.3	70.8	428.7	29.2	528.6	334.3	18424	48.0	2.69	129.0	747.5	876.4	5,441	
Trent	39C01	NEBMH035	225	5856	889	6745	93.5	17.6	2.50	43.9	153.6	2.4	199.9								
Broom	30A02	NEBMH033	250	2382	383	2765	145.5	8.0	2.78	22.2	106.9	8.5	137.6								
Broom	30B01	NEBMH032	250	392	0	392	11.5	1.1	3.22	3.7	5.8	0.7	10.1								
Broom	30B02	NEBMH030	250	322	49	371	6.4	1.1	3.23	3.5	3.2	0.4	7.1								
Subtotal (Section NETB-5)						10273	256.9	27.8	73.2	269.6	11.9	354.7	591.2	28697	75.8	2.50	189.1	1028.9	1218.0	8,837	
Broom	30B03	NEBMH028	250	691	421	1112	20.8	3.2	3.02	9.7	10.5	1.2	21.4								
Broom	30B04	NEBMH027	250	0	515	515	5.5	1.5	3.17	4.7	2.8	0.3	7.8								
Broom	30B05	NEBMH026	250	227	116	343	8.5	1.0	3.24	3.2	4.3	0.5	8.0								
Broom	30B06	NEBMH026	250	239	4	243	4.1	0.7	3.29	2.3	2.1	0.2	4.6								
Broom	30B07	NEBMH025	250	83	0	83	2.4	0.2	3.41	0.8	1.2	0.1	2.2								
Subtotal (Section NETB-6)						2297	41.3	6.6	20.8	20.8	2.4	44.0	632.5	30994	82.4	2.46	203.0	1052.1	1255.1	9,571	
Broom	30B09	NEBMH024	250	2273	283	2556	65.2	7.4	2.80	20.7	32.8	3.8	57.3								
Broom	30B08	NEBMH022	250	128	0	128	4.2	0.4	3.37	1.3	2.1	0.2	3.6								
Broom	30B10	NEBMH020	250	43	9	52	3.5	0.2	3.45	0.5	1.8	0.2	2.5								
Broom	30B11	NEBMH020	250	69	0	69	2.1	0.2	3.43	0.7	1.1	0.1	1.9								
Windsor	31A	NEBMH017	250	121	0	121	4.6	0.3	3.38	1.2	2.3	0.3	3.8								
Subtotal (Section NETB-7)						2925	79.6	8.5	24.3	40.1	4.6	69.0	712.1	33920	90.9	2.43	220.4	1096.8	1317.2	10,611	
Esplanade	29	NEBMH014	250	353	66	419	15.4	1.2	3.21	3.9	11.3	0.9	16.1								
Subtotal (Section NETB-8)						419	15.4	1.2	3.21	3.9	11.3	0.9	16.1	727.5	34338	92.1	2.42	222.8	1109.1	1331.9	10,775
Windsor	31B	NEBMH003	250	1689	216	1905	57.2	5.5	2.88	15.9	28.8	3.3	48.0								
Currie	32	NEBMH001	250	4972	277	5249	202.7	15.2	2.58	39.2	412.8	19.8	471.7								
Subtotal (Section NETB-9)						7153	259.9	20.7	55.1	441.6	23.1	519.7	987.4	41491	112.8	2.34	264.0	1573.7	1837.7	13,571	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	28282	11353	39635	1069.2	103.2	2.36	243.6	234.4	39.5	517.5								
Subtotal (Section ECI-1)						39635	1069.2	103.2	2.36	243.6	234.4	39.5	517.5	1069.2	39635	103.2	2.36	243.6	273.9	517.5	13,062
Penryn	24	Penryn	225	3267	5446	8713	280.8	22.7	2.41	54.7	45.4	6.1	106.2								
Broom	30A01	Penryn	225	197	5374	5571	68.4	14.5	2.56	37.2	50.3	4.0	91.4								
Subtotal (Section ECI-2)						14284	349.2	37.2	4.97	91.9	95.7	10.0	197.6	1418.4	53919	140.4	2.23	313.7	379.7	693.4	17,629
Humber	25	Humber	250	414	138	552	56.2	1.6	3.16	5.0	90.0	4.6	99.6								
Subtotal (Section ECI-3)						552	56.2	1.6	3.16	5.0	90.0	4.6	99.6	1474.6	54471	142.0	2.23	316.7	474.2	790.9	17,985
Rutland	26	Rutland	250	757	0	757	78.4	2.2	3.10	6.8	90.0	1.9	98.7								
Subtotal (Section ECI-4)						757	78.4	2.2	3.10	6.8	90.0	1.9	98.7	1553.0	55227	144.2	2.22	320.8	566.1	886.9	18,478
Estevan	27	ECIMH029	250	1626	105	1731	72.7	5.0	2.91	14.6	66.1	3.2	83.8								
Dalhousie	28	ECIMH029	250	785	0	785	29.4	2.3	3.09	7.0	26.7	1.3	35.0								
Subtotal (Section ECI-5)						2516	102.1	7.3	21.6	92.8	4.5	118.8	1655.1	57743	151.5	2.21	334.3	663.4	997.7	19,503	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	99234	264.3	2.00	529.2	2237.1	2766.3	33,074
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Richmond	34	ECIMH005	225	9115	1734	10849	227.6	28.3	2.34	66.0	478.5	15.1	559.6								
Subtotal (Section ECI-7)						10849	227.6	28.3	2.34	66.0	478.5	15.1	559.6	2870.1	110084	292.5	1.97	575.1	2730.7	3305.8	36,397
Harting/Hollywood	35	ECIMH001	250	383	0	383	67.5	1.1	3.22	3.6	141.9	4.5	150.0								
Subtotal (Section NETC-1)						383	67.5	1.1	3.22	3.6	141.9	4.5	150.0	2937.6	110467	293.6	1.96	576.9	2877.1	3454.0	36,754
Bushby	37	NECMH010	225	1277	7	1284	45.1	3.3	2.98	10.0	68.4	5.1	83.5								
Subtotal (Section NETC-2)						1284	45.1	3.3	2.98	10.0	68.4	5.1	83.5	2982.7	111751	297.0	1.96	582.3	2950.6	3532.9	37,218
Clover	38	NECMH003	225	44593	35668	80261	846.6	209.0	1.66	347.9	1284.1	96.2	1728.2								
Subtotal (Section NETC-3)						80261	846.6	209.0	1.66	347.9	1284.1	96.2	1728.2	3829.3	192012	506.0	1.78	902.7	4330.9	5233.6	58,558

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m³/d)	
Trent	39A01	NEBMH066	225	1584	0	1584	40.6	4.1	2.93	12.1	94.5	2.3	108.9									
Subtotal (Section NETB-1)						1584	40.6	4.1	2.93	12.1	94.5	2.3	108.9	40.6	1584	4.1	2.93	12.1	96.8	108.9	514	
Trent	39A02	NEBMH062	225	2438	1514	3952	58.8	10.3	2.67	27.5	136.9	3.3	167.6									
Trent	39A03	NEBMH059	225	532	117	649	12.4	1.7	3.13	5.3	28.9	0.7	34.8									
Subtotal (Section NETB-2)						4602	71.2	12.0	32.8	165.7	4.0	202.5	111.8	6186	16.1	3.16	50.9	266.5	317.3	1,825		
Trent	39C03	NEBMH054	225	1984	171	2155	39.7	5.6	2.85	16.0	74.5	1.0	91.6									
Subtotal (Section NETB-3)						2155	39.7	5.6	2.85	16.0	74.5	1.0	91.6	151.5	8341	21.7	3.03	65.9	342.1	407.9	2,464	
Trent	39B01	NEBMH050	225	5756	424	6180	102.7	16.1	2.53	40.7	283.9	19.4	344.0									
Trent	39B02	NEBMH050	225	1826	120	1946	47.2	5.1	2.88	14.6	130.5	8.9	154.0									
Trent	39C02	NEBMH049	225	1019	0	1019	20.4	2.7	3.04	8.1	38.3	0.5	46.9									
Trent	39C04	NEBMH041	225	420	518	938	12.5	2.4	3.05	7.5	23.5	0.3	31.3									
Subtotal (Section NETB-4)						10083	182.8	26.3	70.8	476.2	29.2	576.1	334.3	18424	48.0	2.69	129.0	847.4	976.4	5,441		
Trent	39C01	NEBMH035	225	5856	889	6745	93.5	17.6	2.50	43.9	175.6	2.4	221.9									
Broom	30A02	NEBMH033	250	2382	383	2765	145.5	8.0	2.78	22.2	127.3	8.5	157.9									
Broom	30B01	NEBMH032	250	392	0	392	11.5	1.1	3.22	3.7	6.3	0.7	10.6									
Broom	30B02	NEBMH030	250	322	49	371	6.4	1.1	3.23	3.5	3.5	0.4	7.3									
Subtotal (Section NETB-5)						10273	256.9	27.8	73.2	312.6	11.9	397.7	591.2	28697	75.8	2.50	189.1	1171.9	1361.0	8,837		
Broom	30B03	NEBMH028	250	691	421	1112	20.8	3.2	3.02	9.7	11.3	1.2	22.3									
Broom	30B04	NEBMH027	250	0	515	515	5.5	1.5	3.17	4.7	3.0	0.3	8.1									
Broom	30B05	NEBMH026	250	227	116	343	8.5	1.0	3.24	3.2	4.6	0.5	8.4									
Broom	30B06	NEBMH026	250	239	4	243	4.1	0.7	3.29	2.3	2.2	0.2	4.8									
Broom	30B07	NEBMH025	250	83	0	83	2.4	0.2	3.41	0.8	1.3	0.1	2.3									
Subtotal (Section NETB-6)						2297	41.3	6.6	20.8	22.5	2.4	45.7	632.5	30994	82.4	2.46	203.0	1196.9	1399.9	9,571		
Broom	30B09	NEBMH024	250	2273	283	2556	65.2	7.4	2.80	20.7	35.6	3.8	60.1									
Broom	30B08	NEBMH022	250	128	0	128	4.2	0.4	3.37	1.3	2.3	0.2	3.8									
Broom	30B10	NEBMH020	250	43	9	52	3.5	0.2	3.45	0.5	1.9	0.2	2.6									
Broom	30B11	NEBMH020	250	69	0	69	2.1	0.2	3.43	0.7	1.1	0.1	1.9									
Windsor	31A	NEBMH017	250	121	0	121	4.6	0.3	3.38	1.2	2.5	0.3	4.0									
Subtotal (Section NETB-7)						2925	79.6	8.5	24.3	43.4	4.6	72.4	712.1	33920	90.9	2.43	220.4	1244.9	1465.3	10,611		
Esplanade	29	NEBMH014	250	353	66	419	15.4	1.2	3.21	3.9	13.5	0.9	18.3									
Subtotal (Section NETB-8)						419	15.4	1.2	3.21	3.9	13.5	0.9	18.3	727.5	34338	92.1	2.42	222.8	1259.3	1482.1	10,775	
Windsor	31B	NEBMH003	250	1689	216	1905	57.2	5.5	2.88	15.9	31.2	3.3	50.4									
Currie	32	NEBMH001	250	4972	277	5249	202.7	15.2	2.58	39.2	470.7	19.8	529.6									
Subtotal (Section NETB-9)						7153	259.9	20.7	55.1	501.9	23.1	580.1	987.4	41491	112.8	2.34	264.0	1784.3	2048.3	13,571		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	28282	11353	39635	1069.2	103.2	2.36	243.6	272.7	39.5	555.8								
Subtotal (Section ECI-1)						39635	1069.2	103.2	2.36	243.6	272.7	39.5	555.8	1069.2	39635	103.2	2.36	243.6	312.3	555.8	13,062
Penryn	24	Penryn	225	3267	5446	8713	280.8	22.7	2.41	54.7	55.4	6.1	116.2								
Broom	30A01	Penryn	225	197	5374	5571	68.4	14.5	2.56	37.2	59.8	4.0	101.0								
Subtotal (Section ECI-2)						14284	349.2	37.2	4.97	91.9	115.3	10.0	217.2	1418.4	53919	140.4	2.23	313.7	437.6	751.3	17,629
Humber	25	Humber	250	414	138	552	56.2	1.6	3.16	5.0	90.0	4.6	99.6								
Subtotal (Section ECI-3)						552	56.2	1.6	3.16	5.0	90.0	4.6	99.6	1474.6	54471	142.0	2.23	316.7	532.1	848.8	17,985
Rutland	26	Rutland	250	757	0	757	78.4	2.2	3.10	6.8	90.0	1.9	98.7								
Subtotal (Section ECI-4)						757	78.4	2.2	3.10	6.8	90.0	1.9	98.7	1553.0	55227	144.2	2.22	320.8	624.0	944.8	18,478
Estevan	27	ECIMH029	250	1626	105	1731	72.7	5.0	2.91	14.6	71.6	3.2	89.3								
Dalhousie	28	ECIMH029	250	785	0	785	29.4	2.3	3.09	7.0	28.9	1.3	37.3								
Subtotal (Section ECI-5)						2516	102.1	7.3	21.6	100.5	4.5	126.6	1655.1	57743	151.5	2.21	334.3	729.0	1063.4	19,503	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	99234	264.3	2.00	529.2	2513.3	3042.6	33,074

Richmond	34	ECIMH005	225	9115	1734	10849	227.6	28.3	2.34	66.0	546.0	15.1	627.1								
Subtotal (Section ECI-7)						10849	227.6	28.3	2.34	66.0	546.0	15.1	627.1	2870.1	110084	292.5	1.97	575.1	3074.4	3649.5	36,397
Hartley/Hollywood	35	ECIMH001	250	383	0	383	67.5	1.1	3.22	3.6	161.9	4.5	170.0								
Subtotal (Section NETC-1)						383	67.5	1.1	3.22	3.6	161.9	4.5	170.0	2937.6	110467	293.6	1.96	576.9	3240.8	3817.7	36,754
Bushby	37	NECMH010	225	1277	7	1284	45.1	3.3	2.98	10.0	76.6	5.1	91.7								
Subtotal (Section NETC-2)						1284	45.1	3.3	2.98	10.0	76.6	5.1	91.7	2982.7	111751	297.0	1.96	582.3	3322.6	3904.8	37,218
Clover	38	NECMH003	225	44593	35668	80261	846.6	209.0	1.66	347.9	1438.8	96.2	1882.9								
Subtotal (Section NETC-3)						80261	846.6	209.0	1.66	347.9	1438.8	96.2	1882.9	3829.3	192012	506.0	1.78	902.7	4857.6	5760.2	58,558

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	225	1584	0	1584	40.6	4.1	2.93	12.1	114.3	2.3	128.6								
Subtotal (Section NETB-1)						1584	40.6	4.1	2.93	12.1	114.3	2.3	128.6	40.6	1584	4.1	2.93	12.1	116.5	128.6	514
Trent	39A02	NEBMH062	225	2438	1514	3952	58.8	10.3	2.67	27.5	165.5	3.3	196.2								
Trent	39A03	NEBMH059	225	532	117	649	12.4	1.7	3.13	5.3	34.9	0.7	40.9								
Subtotal (Section NETB-2)						4602	71.2	12.0	32.8	200.4	4.0	237.1	111.8	6186	16.1	3.16	50.9	320.9	371.7	1,825	
Trent	39C03	NEBMH054	225	1984	171	2155	39.7	5.6	2.85	16.0	86.3	1.0	103.3								
Subtotal (Section NETB-3)						2155	39.7	5.6	2.85	16.0	86.3	1.0	103.3	151.5	8341	21.7	3.03	65.9	408.2	474.0	2,464
Trent	39B01	NEBMH050	225	5756	424	6180	102.7	16.1	2.53	40.7	318.5	19.4	378.6								
Trent	39B02	NEBMH050	225	1826	120	1946	47.2	5.1	2.88	14.6	146.4	8.9	169.9								
Trent	39C02	NEBMH049	225	1019	0	1019	20.4	2.7	3.04	8.1	44.3	0.5	52.9								
Trent	39C04	NEBMH041	225	420	518	938	12.5	2.4	3.05	7.5	27.2	0.3	35.0								
Subtotal (Section NETB-4)						10083	182.8	26.3	70.8	536.4	29.2	636.4	334.3	18424	48.0	2.69	129.0	973.8	1102.8	5,441	
Trent	39C01	NEBMH035	225	5856	889	6745	93.5	17.6	2.50	43.9	203.2	2.4	249.5								
Broom	30A02	NEBMH033	250	2382	383	2765	145.5	8.0	2.78	22.2	152.9	8.5	183.5								
Broom	30B01	NEBMH032	250	392	0	392	11.5	1.1	3.22	3.7	6.9	0.7	11.2								
Broom	30B02	NEBMH030	250	322	49	371	6.4	1.1	3.23	3.5	3.8	0.4	7.7								
Subtotal (Section NETB-5)						10273	256.9	27.8	73.2	366.9	11.9	452.0	591.2	28697	75.8	2.50	189.1	1352.6	1541.7	8,837	
Broom	30B03	NEBMH028	250	691	421	1112	20.8	3.2	3.02	9.7	12.5	1.2	23.4								
Broom	30B04	NEBMH027	250	0	515	515	5.5	1.5	3.17	4.7	3.3	0.3	8.4								
Broom	30B05	NEBMH026	250	227	116	343	8.5	1.0	3.24	3.2	5.1	0.5	8.8								
Broom	30B06	NEBMH026	250	239	4	243	4.1	0.7	3.29	2.3	2.5	0.2	5.0								
Broom	30B07	NEBMH025	250	83	0	83	2.4	0.2	3.41	0.8	1.4	0.1	2.4								
Subtotal (Section NETB-6)						2297	41.3	6.6	20.8	24.8	2.4	48.0	632.5	30994	82.4	2.46	203.0	1379.8	1582.8	9,571	
Broom	30B09	NEBMH024	250	2273	283	2556	65.2	7.4	2.80	20.7	39.2	3.8	63.7								
Broom	30B08	NEBMH022	250	128	0	128	4.2	0.4	3.37	1.3	2.5	0.2	4.0								
Broom	30B10	NEBMH020	250	43	9	52	3.5	0.2	3.45	0.5	2.1	0.2	2.8								
Broom	30B11	NEBMH020	250	69	0	69	2.1	0.2	3.43	0.7	1.3	0.1	2.1								
Windsor	31A	NEBMH017	250	121	0	121	4.6	0.3	3.38	1.2	2.9	0.3	4.2								
Subtotal (Section NETB-7)						2925	79.6	8.5	24.3	47.9	4.6	76.8	712.1	33920	90.9	2.43	220.4	1432.3	1652.7	10,611	
Esplanade	29	NEBMH014	250	353	66	419	15.4	1.2	3.21	3.9	16.2	0.9	21.0								
Subtotal (Section NETB-8)						419	15.4	1.2	3.21	3.9	16.2	0.9	21.0	727.5	34338	92.1	2.42	222.8	1449.4	1672.2	10,775
Windsor	31B	NEBMH003	250	1689	216	1905	57.2	5.5	2.88	15.9	34.4	3.3	53.6								
Currie	32	NEBMH001	250	4972	277	5249	202.7	15.2	2.58	39.2	543.9	19.8	602.9								
Subtotal (Section BETB-9)						7153	259.9	20.7	55.1	578.3	23.1	656.5	987.4	41491	112.8	2.34	264.0	2050.8	2314.8	13,571	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	28282	11353	39635	1069.2	103.2	2.36	243.6	321.2	39.5	604.3								
Subtotal (Section ECI-1)						39635	1069.2	103.2	2.36	243.6	321.2	39.5	604.3	1069.2	39635	103.2	2.36	243.6	360.8	604.3	13,062
Penryn	24	Penryn	225	3267	5446	8713	280.8	22.7	2.41	54.7	68.1	6.1	128.9								
Broom	30A01	Penryn	225	197	5374	5571	68.4	14.5	2.56	37.2	71.9	4.0	113.0								
Subtotal (Section ECI-2)						14284	349.2	37.2	4.97	91.9	140.0	10.0	241.8	1418.4	53919	140.4	2.23	313.7	510.7	824.5	17,629
Humber	25	Humber	250	414	138	552	56.2	1.6	3.16	5.0	90.0	4.6	99.6								
Subtotal (Section ECI-3)						552	56.2	1.6	3.16	5.0	90.0	4.6	99.6	1474.6	54471	142.0	2.23	316.7	605.3	922.0	17,985
Rutland	26	Rutland	250	757	0	757	78.4	2.2	3.10	6.8	90.0	1.9	98.7								
Subtotal (Section ECI-4)						757	78.4	2.2	3.10	6.8	90.0	1.9	98.7	1553.0	55227	144.2	2.22	320.8	697.2	1018.0	18,478
Estevan	27	ECIMH029	250	1626	105	1731	72.7	5.0	2.91	14.6	78.6	3.2	96.3								
Dalhousie	28	ECIMH029	250	785	0	785	29.4	2.3	3.09	7.0	31.8	1.3	40.1								
Subtotal (Section ECI-5)						2516	102.1	7.3	21.6	110.4	4.5	136.4	1655.1	57743	151.5	2.21	334.3	812.1	1146.4	19,503	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	99234	264.3	2.00	529.2	2862.9	3392.1	33,074

Richmond	34	ECIMH005	225	9115	1734	10849	227.6	28.3	2.34	66.0	631.8	15.1	712.8								
Subtotal (Section ECI-7)						10849	227.6	28.3	2.34	66.0	631.8	15.1	712.8	2870.1	110084	292.5	1.97	575.1	3509.7	4084.8	36,397
Hartley/Hollywood	35	ECIMH001	250	383	0	383	67.5	1.1	3.22	3.6	187.4	4.5	195.4								
Subtotal (Section NETC-1)						383	67.5	1.1	3.22	3.6	187.4	4.5	195.4	2937.6	110467	293.6	1.96	576.9	3701.5	4278.4	36,754
Bushby	37	NECMH010	225	1277	7	1284	45.1	3.3	2.98	10.0	87.1	5.1	102.2								
Subtotal (Section NETC-2)						1284	45.1	3.3	2.98	10.0	87.1	5.1	102.2	2982.7	111751	297.0	1.96	582.3	3793.7	4376.0	37,218
Clover	38	NECMH003	225	44593	35668	80261	846.6	209.0	1.66	347.9	1634.4	96.2	2078.5								
Subtotal (Section NETC-3)						80261	846.6	209.0	1.66	347.9	1634.4	96.2	2078.5	3829.3	192012	506.0	1.78	902.7	5524.4	6427.0	58,558

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)	
Trent	39A01	NEBMH066	225	1584	0	1584	40.6	4.1	2.93	12.1	143.6	2.3	157.9									
Subtotal (Section NETB-1)						1584	40.6	4.1	2.93	12.1	143.6	2.3	157.9	40.6	1584	4.1	2.93	12.1	145.8	157.9	514	
Trent	39A02	NEBMH062	225	2438	1514	3952	58.8	10.3	2.67	27.5	207.9	3.3	238.7									
Trent	39A03	NEBMH059	225	532	117	649	12.4	1.7	3.13	5.3	43.8	0.7	49.8									
Subtotal (Section NETB-2)						4602	71.2	12.0		32.8	251.8	4.0	288.5	111.8	6186	16.1	3.16	50.9	401.6	452.5	1,825	
Trent	39C03	NEBMH054	225	1984	171	2155	39.7	5.6	2.85	16.0	103.7	1.0	120.7									
Subtotal (Section NETB-3)						2155	39.7	5.6		16.0	103.7	1.0	120.7	151.5	8341	21.7	3.03	65.9	506.3	572.2	2,464	
Trent	39B01	NEBMH050	225	5756	424	6180	102.7	16.1	2.53	40.7	369.6	19.4	429.3									
Trent	39B02	NEBMH050	225	1826	120	1946	47.2	5.1	2.88	14.6	169.9	8.9	193.3									
Trent	39C02	NEBMH049	225	1019	0	1019	20.4	2.7	3.04	8.1	53.3	0.5	61.9									
Trent	39C04	NEBMH041	225	420	518	938	12.5	2.4	3.05	7.5	32.7	0.3	40.4									
Subtotal (Section NETB-4)						10083	182.8	26.3		70.8	625.4	29.2	725.3	334.3	18424	48.0	2.69	129.0	1160.9	1289.9	5,441	
Trent	39C01	NEBMH035	225	5856	889	6745	93.5	17.6	2.50	43.9	244.3	2.4	290.6									
Broom	30A02	NEBMH033	250	2382	383	2765	145.5	8.0	2.78	22.2	190.9	8.5	221.5									
Broom	30B01	NEBMH032	250	392	0	392	11.5	1.1	3.22	3.7	7.9	0.7	12.2									
Broom	30B02	NEBMH030	250	322	49	371	6.4	1.1	3.23	3.5	4.4	0.4	8.2									
Subtotal (Section NETB-5)						10273	256.9	27.8		73.2	447.4	11.9	532.6	591.2	28697	75.8	2.50	189.1	1620.3	1809.4	8,837	
Broom	30B03	NEBMH028	250	691	421	1112	20.8	3.2	3.02	9.7	14.2	1.2	25.1									
Broom	30B04	NEBMH027	250	0	515	515	5.5	1.5	3.17	4.7	3.8	0.3	8.8									
Broom	30B05	NEBMH026	250	227	116	343	8.5	1.0	3.24	3.2	5.8	0.5	9.5									
Broom	30B06	NEBMH026	250	239	4	243	4.1	0.7	3.29	2.3	2.8	0.2	5.4									
Broom	30B07	NEBMH025	250	83	0	83	2.4	0.2	3.41	0.8	1.6	0.1	2.6									
Subtotal (Section NETB-6)						2297	41.3	6.6		20.8	28.2	2.4	51.4	632.5	30994	82.4	2.46	203.0	1650.9	1853.9	9,571	
Broom	30B09	NEBMH024	250	2273	283	2556	65.2	7.4	2.80	20.7	44.6	3.8	69.1									
Broom	30B08	NEBMH022	250	128	0	128	4.2	0.4	3.37	1.3	2.9	0.2	4.4									
Broom	30B10	NEBMH020	250	43	9	52	3.5	0.2	3.45	0.5	2.4	0.2	3.1									
Broom	30B11	NEBMH020	250	69	0	69	2.1	0.2	3.43	0.7	1.4	0.1	2.2									
Windsor	31A	NEBMH017	250	121	0	121	4.6	0.3	3.38	1.2	3.1	0.3	4.6									
Subtotal (Section NETB-7)						2925	79.6	8.5		24.3	54.4	4.6	83.4	712.1	33920	90.9	2.43	220.4	1709.9	1930.3	10,611	
Esplanade	29	NEBMH014	250	353	66	419	15.4	1.2	3.21	3.9	20.2	0.9	25.0									
Subtotal (Section NETB-8)						419	15.4	1.2		3.21	3.9	20.2	25.0	727.5	34338	92.1	2.42	222.8	1731.0	1953.9	10,775	
Windsor	31B	NEBMH003	250	1689	216	1905	57.2	5.5	2.88	15.9	39.1	3.3	58.3									
Currie	32	NEBMH001	250	4972	277	5249	202.7	15.2	2.58	39.2	652.1	19.8	711.1									
Subtotal (Section BETB-9)						7153	259.9	20.7		55.1	691.2	23.1	769.4	987.4	41491	112.8	2.34	264.0	2445.4	2709.3	13,571	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	28282	11353	39635	1069.2	103.2	2.36	243.6	392.9	39.5	676.0								
Subtotal (Section ECI-1)						39635	1069.2	103.2	2.36	243.6	392.9	39.5	676.0	1069.2	39635	103.2	2.36	243.6	432.4	676.0	13,062
Penryn	24	Penryn	225	3267	5446	8713	280.8	22.7	2.41	54.7	86.8	6.1	147.5								
Broom	30A01	Penryn	225	197	5374	5571	68.4	14.5	2.56	37.2	89.7	4.0	130.9								
Subtotal (Section ECI-2)						14284	349.2	37.2	4.97	91.9	176.5	10.0	278.4	1418.4	53919	140.4	2.23	313.7	618.9	932.7	17,629
Humber	25	Humber	250	414	138	552	56.2	1.6	3.16	5.0	90.0	4.6	99.6								
Subtotal (Section ECI-3)						552	56.2	1.6	3.16	5.0	90.0	4.6	99.6	1474.6	54471	142.0	2.23	316.7	713.5	1030.2	17,985
Rutland	26	Rutland	250	757	0	757	78.4	2.2	3.10	6.8	90.0	1.9	98.7								
Subtotal (Section ECI-4)						757	78.4	2.2	3.10	6.8	90.0	1.9	98.7	1553.0	55227	144.2	2.22	320.8	805.4	1126.2	18,478
Estevan	27	ECIMH029	250	1626	105	1731	72.7	5.0	2.91	14.6	88.9	3.2	106.7								
Dalhousie	28	ECIMH029	250	785	0	785	29.4	2.3	3.09	7.0	36.0	1.3	44.3								
Subtotal (Section ECI-5)						2516	102.1	7.3		21.6	124.9	4.5	150.9	1655.1	57743	151.5	2.21	334.3	934.8	1269.1	19,503

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	99234	264.3	2.00	529.2	3380.1	3909.4	33,074
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Richmond	34	ECIMH005	225	9115	1734	10849	227.6	28.3	2.34	66.0	758.3	15.1	839.4								
Subtotal (Section ECI-7)						10849	227.6	28.3	2.34	66.0	758.3	15.1	839.4	2870.1	110084	292.5	1.97	575.1	4153.5	4728.6	36,397
Hartley/Hollywood	35	ECIMH001	250	383	0	383	67.5	1.1	3.22	3.6	224.9	4.5	232.9								
Subtotal (Section NETC-1)						383	67.5	1.1	3.22	3.6	224.9	4.5	232.9	2937.6	110467	293.6	1.96	576.9	4382.9	4959.8	36,754
Bushby	37	NECMH010	225	1277	7	1284	45.1	3.3	2.98	10.0	102.5	5.1	117.6								
Subtotal (Section NETC-2)						1284	45.1	3.3	2.98	10.0	102.5	5.1	117.6	2982.7	111751	297.0	1.96	582.3	4490.5	5072.7	37,218
Clover	38	NECMH003	225	44593	35668	80261	846.6	209.0	1.66	347.9	1923.3	96.2	2367.4								
Subtotal (Section NETC-3)						80261	846.6	209.0	1.66	347.9	1923.3	96.2	2367.4	3829.3	192012	506.0	1.78	902.7	6510.0	7412.7	58,558

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1731	0	1731	40.6	4.5	2.91	13.1	55.2	2.3	70.6								
Subtotal (Section NETB-1)						1731	40.6	4.5	2.91	13.1	55.2	2.3	70.6	40.6	1731	4.5	2.91	13.1	57.5	70.6	547
Trent	39A02	NEBMH062	225	2660	1623	4283	58.8	11.2	2.65	29.5	80.0	3.3	112.8								
Trent	39A03	NEBMH059	225	581	124	705	12.4	1.8	3.11	5.7	16.9	0.7	23.3								
Subtotal (Section NETB-2)						4989	71.2	13.0	35.2	96.8	4.0	136.0	111.8	6720	17.5	3.12	54.7	158.3	212.9	1,945	
Trent	39C03	NEBMH054	225	2176	189	2365	39.7	6.2	2.82	17.4	51.2	1.0	69.6								
Subtotal (Section NETB-3)						2365	39.7	6.2	2.82	17.4	51.2	1.0	69.6	151.5	9085	23.7	3.00	70.9	210.5	281.4	2,631
Trent	39B01	NEBMH050	225	6282	448	6730	102.7	17.5	2.50	43.8	215.3	19.4	278.5								
Trent	39B02	NEBMH050	225	1992	126	2120	47.2	5.5	2.85	15.7	98.9	8.9	123.6								
Trent	39C02	NEBMH049	225	1113	0	1113	20.4	2.9	3.02	8.7	26.3	0.5	35.6								
Trent	39C04	NEBMH041	225	360	574	934	12.5	2.4	3.06	7.4	16.1	0.3	23.9								
Subtotal (Section NETB-4)						10898	162.8	28.4	75.7	356.6	29.2	461.5	334.3	19983	52.0	2.65	138.0	596.3	734.3	5,792	
Trent	39C01	NEBMH035	225	6390	940	7330	93.5	19.1	2.47	47.1	120.5	2.4	170.1								
Broom	30A02	NEBMH033	250	2414	392	2806	145.5	8.1	2.77	22.5	76.3	8.5	107.3								
Broom	30B01	NEBMH032	250	329	0	329	11.5	1.0	3.25	3.1	5.0	0.7	8.8								
Broom	30B02	NEBMH030	250	327	49	376	6.4	1.1	3.23	3.5	2.8	0.4	6.7								
Subtotal (Section NETB-5)						10841	256.9	29.2	76.3	204.7	11.9	292.9	591.2	30824	81.3	2.47	200.4	812.9	1013.3	9,315	
Broom	30B03	NEBMH028	250	745	442	1187	20.8	3.4	3.00	10.3	9.1	1.2	20.6								
Broom	30B04	NEBMH027	250	0	528	528	5.5	1.5	3.17	4.8	2.4	0.3	7.6								
Broom	30B05	NEBMH026	250	231	118	349	8.5	1.0	3.24	3.3	3.7	0.5	7.5								
Broom	30B06	NEBMH025	250	242	4	246	4.1	0.7	3.29	2.3	1.8	0.2	4.4								
Broom	30B07	NEBMH025	250	84	0	84	2.4	0.2	3.41	0.8	1.0	0.1	2.0								
Subtotal (Section NETB-6)						2394	41.3	6.9	21.6	18.1	2.4	42.0	632.5	33218	88.2	2.43	214.7	833.3	1048.1	10,073	
Broom	30B09	NEBMH024	250	2303	290	2593	65.2	7.5	2.80	21.0	28.5	3.8	53.3								
Broom	30B08	NEBMH022	250	130	0	130	4.2	0.4	3.37	1.3	1.8	0.2	3.3								
Broom	30B10	NEBMH020	250	44	9	53	3.5	0.2	3.45	0.5	1.5	0.2	2.3								
Broom	30B11	NEBMH020	250	69	0	69	2.1	0.2	3.43	0.7	0.9	0.1	1.7								
Windsor	31A	NEBMH017	250	122	0	122	4.6	0.4	3.38	1.2	2.0	0.3	3.5								
Subtotal (Section NETB-7)						2967	79.6	8.6	24.7	34.8	4.6	64.1	712.1	36185	96.8	2.40	232.1	872.8	1104.9	11,124	
Esplanade	29	NEBMH014	250	358	68	426	15.4	1.2	3.21	3.9	8.1	0.9	12.9								
Subtotal (Section NETB-8)						426	15.4	1.2	3.21	3.9	8.1	0.9	12.9	727.5	36611	98.0	2.39	234.6	881.7	1116.3	11,290
Windsor	31B	NEBMH003	250	1711	221	1932	57.2	5.6	2.88	16.1	25.0	3.3	44.4								
Currie	32	NEBMH001	250	5037	284	5321	202.7	15.4	2.58	39.7	325.2	19.8	384.6								
Subtotal (Section NETB-9)						7253	259.9	21.0	55.7	350.2	23.1	429.0	987.4	43864	119.0	2.32	275.9	1255.0	1530.8	14,110	

NET-B Ends at the Currie Major Pump Station

ECI

Arbutus	23	ECIMH041	225	30712	17617	48329	1069.2	125.9	2.28	286.7	176.4	39.5	502.6								
Subtotal (Section ECI-1)						48329	1069.2	125.9	2.28	286.7	176.4	39.5	502.6	1069.2	48329	125.9	2.28	286.7	215.9	502.6	15,018
Penryn	24	Penryn	225	2801	5483	8284	280.8	21.6	2.43	52.4	30.3	6.1	88.8								
Broom	30A01	Penryn	225	200	5374	5574	68.4	14.5	2.56	37.2	35.9	4.0	77.0								
Subtotal (Section ECI-2)						13858	349.2	36.1	4.99	89.6	66.2	10.0	165.8	1418.4	62187	161.9	2.18	352.7	292.1	644.8	19,490
Humber	25	Humber	250	419	141	560	56.2	1.6	3.16	5.1	90.0	4.6	99.7								
Subtotal (Section ECI-3)						560	56.2	1.6	3.16	5.1	90.0	4.6	99.7	1474.6	62747	163.6	2.17	355.7	386.7	742.3	19,948
Rutland	26	Rutland	250	766	0	766	78.4	2.2	3.10	6.9	90.0	1.9	98.8								
Subtotal (Section ECI-4)						766	78.4	2.2	3.10	6.9	90.0	1.9	98.8	1553.0	63513	165.8	2.17	359.7	478.6	838.3	20,343
Estevan	27	ECIMH029	250	1647	108	1755	72.7	5.1	2.90	14.7	57.7	3.2	75.6								
Dalhousie	28	ECIMH029	250	795	0	795	29.4	2.3	3.09	7.1	23.3	1.3	31.7								
Subtotal (Section ECI-5)						2551	102.1	7.4	21.9	81.0	4.5	107.3	1655.1	66064	173.2	2.15	373.1	564.1	937.1	21,376	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	109928	292.2	1.97	574.6	1819.1	2393.6	35,487
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Richmond	34	ECIMH005	225	9913	1829	11742	227.6	30.6	2.31	70.6	375.9	15.1	461.5								
Subtotal (Section ECI-7)						11742	227.6	30.6	2.31	70.6	375.9	15.1	461.5	2870.1	121670	322.8	1.93	623.4	2210.0	2833.4	39,011
Harting/Hollywood	35	ECIMH001	250	388	0	388	67.5	1.1	3.22	3.6	111.5	4.5	119.6								
Subtotal (Section NETC-1)						388	67.5	1.1	3.22	3.6	111.5	4.5	119.6	2937.6	122058	323.9	1.93	625.2	2325.9	2951.1	39,370
Bushby	37	NECMH010	225	1393	8	1401	45.1	3.6	2.96	10.8	55.9	5.1	71.9								
Subtotal (Section NETC-2)						1401	45.1	3.6	2.96	10.8	55.9	5.1	71.9	2982.7	123459	327.5	1.93	631.0	2387.0	3018.0	39,860
Clover	38	NECMH003	225	48664	37715	86379	846.6	224.9	1.64	369.5	1050.1	96.2	1515.8								
Subtotal (Section NETC-3)						86379	846.6	224.9	1.64	369.5	1050.1	96.2	1515.8	3829.3	209838	552.5	1.76	970.9	3533.3	4504.2	62,576

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)	
Trent	39A01	NEBMH066	225	1731	0	1731	40.6	4.5	2.91	13.1	78.8	2.3	94.2									
Subtotal (Section NETB-1)						1731	40.6	4.5	2.91	13.1	78.8	2.3	94.2	40.6	1731	4.5	2.91	13.1	81.1	94.2	547	
Trent	39A02	NEBMH062	225	2660	1623	4283	58.8	11.2	2.65	29.5	114.2	3.3	147.0									
Trent	39A03	NEBMH059	225	581	124	705	12.4	1.8	3.11	5.7	24.1	0.7	30.5									
Subtotal (Section NETB-2)						4989	71.2	13.0	35.2	138.2	4.0	177.4	111.8	6720	17.5	3.12	54.7	223.3	278.0	1,945		
Trent	39C03	NEBMH054	225	2176	189	2365	39.7	6.2	2.82	17.4	65.2	1.0	83.6									
Subtotal (Section NETB-3)						2365	39.7	6.2	2.82	17.4	65.2	1.0	83.6	151.5	9085	23.7	3.00	70.9	289.6	360.4	2,631	
Trent	39B01	NEBMH050	225	6282	448	6730	102.7	17.5	2.50	43.8	256.7	19.4	319.9									
Trent	39B02	NEBMH050	225	1992	126	2120	47.2	5.5	2.85	15.7	118.0	8.9	142.6									
Trent	39C02	NEBMH049	225	1113	0	1113	20.4	2.9	3.02	8.7	33.5	0.5	42.8									
Trent	39C04	NEBMH041	225	360	574	934	12.5	2.4	3.06	7.4	20.5	0.3	28.3									
Subtotal (Section NETB-4)						10898	162.8	28.4	75.7	428.7	29.2	533.6	334.3	19983	52.0	2.65	138.0	747.5	885.5	5,792		
Trent	39C01	NEBMH035	225	6390	940	7330	93.5	19.1	2.47	47.1	153.6	2.4	203.2									
Broom	30A02	NEBMH033	250	2414	392	2806	145.5	8.1	2.77	22.5	106.9	8.5	137.9									
Broom	30B01	NEBMH032	250	329	0	329	11.5	1.0	3.25	3.1	5.8	0.7	9.6									
Broom	30B02	NEBMH030	250	327	49	376	6.4	1.1	3.23	3.5	3.2	0.4	7.1									
Subtotal (Section NETB-5)						10841	256.9	29.2	76.3	269.6	11.9	357.8	591.2	30824	81.3	2.47	200.4	1028.9	1229.4	9,315		
Broom	30B03	NEBMH028	250	745	442	1187	20.8	3.4	3.00	10.3	10.5	1.2	22.0									
Broom	30B04	NEBMH027	250	0	528	528	5.5	1.5	3.17	4.8	2.8	0.3	7.9									
Broom	30B05	NEBMH026	250	231	118	349	8.5	1.0	3.24	3.3	4.3	0.5	8.0									
Broom	30B06	NEBMH026	250	242	4	246	4.1	0.7	3.29	2.3	2.1	0.2	4.6									
Broom	30B07	NEBMH025	250	84	0	84	2.4	0.2	3.41	0.8	1.2	0.1	2.2									
Subtotal (Section NETB-6)						2394	41.3	6.9	21.6	20.8	2.4	44.8	632.5	33218	88.2	2.43	214.7	1052.1	1266.8	10,073		
Broom	30B09	NEBMH024	250	2303	290	2593	65.2	7.5	2.80	21.0	32.8	3.8	57.6									
Broom	30B08	NEBMH022	250	130	0	130	4.2	0.4	3.37	1.3	2.1	0.2	3.6									
Broom	30B10	NEBMH020	250	44	9	53	3.5	0.2	3.45	0.5	1.8	0.2	2.5									
Broom	30B11	NEBMH020	250	69	0	69	2.1	0.2	3.43	0.7	1.1	0.1	1.9									
Windsor	31A	NEBMH017	250	122	0	122	4.6	0.4	3.38	1.2	2.3	0.3	3.8									
Subtotal (Section NETB-7)						2967	79.6	8.6	24.7	40.1	4.6	69.4	712.1	36185	96.8	2.40	232.1	1096.8	1329.0	11,124		
Esplanade	29	NEBMH014	250	358	68	426	15.4	1.2	3.21	3.9	11.3	0.9	16.2									
Subtotal (Section NETB-8)						426	15.4	1.2	3.21	3.9	11.3	0.9	16.2	727.5	36611	98.0	2.39	234.6	1109.1	1343.6	11,290	
Windsor	31B	NEBMH003	250	1711	221	1932	57.2	5.6	2.88	16.1	28.8	3.3	48.2									
Currie	32	NEBMH001	250	5037	284	5321	202.7	15.4	2.58	39.7	412.8	19.8	472.2									
Subtotal (Section NETB-9)						7253	259.9	21.0	55.7	441.6	23.1	520.4	987.4	43864	119.0	2.32	275.9	1573.7	1849.6	14,110		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	30712	17617	48329	1069.2	125.9	2.28	286.7	234.4	39.5	560.7								
Subtotal (Section ECI-1)						48329	1069.2	125.9	2.28	286.7	234.4	39.5	560.7	1069.2	48329	125.9	2.28	286.7	273.9	560.7	15,018
Penryn	24	Penryn	225	2801	5483	8284	280.8	21.6	2.43	52.4	45.4	6.1	103.9								
Broom	30A01	Penryn	225	200	5374	5574	68.4	14.5	2.56	37.2	50.3	4.0	91.4								
Subtotal (Section ECI-2)						13858	349.2	36.1	4.99	89.6	95.7	10.0	195.3	1418.4	62187	161.9	2.18	352.7	379.7	732.4	19,490
Humber	25	Humber	250	419	141	560	56.2	1.6	3.16	5.1	90.0	4.6	99.7								
Subtotal (Section ECI-3)						560	56.2	1.6	3.16	5.1	90.0	4.6	99.7	1474.6	62747	163.6	2.17	355.7	474.2	829.9	19,948
Rutland	26	Rutland	250	766	0	766	78.4	2.2	3.10	6.9	90.0	1.9	98.8								
Subtotal (Section ECI-4)						766	78.4	2.2	3.10	6.9	90.0	1.9	98.8	1553.0	63513	165.8	2.17	359.7	566.1	925.8	20,343
Estevan	27	ECIMH029	250	1647	108	1755	72.7	5.1	2.90	14.7	66.1	3.2	84.0								
Dalhousie	28	ECIMH029	250	795	0	795	29.4	2.3	3.09	7.1	26.7	1.3	35.1								
Subtotal (Section ECI-5)						2551	102.1	7.4	21.9	92.8	4.5	119.1	1655.1	66064	173.2	2.15	373.1	663.4	1036.4	21,376	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	109928	292.2	1.97	574.6	2237.1	2811.7	35,487
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Richmond	34	ECIMH005	225	9913	1829	11742	227.6	30.6	2.31	70.6	478.5	15.1	564.2								
Subtotal (Section ECI-7)						11742	227.6	30.6	2.31	70.6	478.5	15.1	564.2	2870.1	121670	322.8	1.93	623.4	2730.7	3354.1	39,011
Haring/Hollywood	35	ECIMH001	250	388	0	388	67.5	1.1	3.22	3.6	141.9	4.5	150.0								
Subtotal (Section NETC-1)						388	67.5	1.1	3.22	3.6	141.9	4.5	150.0	2937.6	122058	323.9	1.93	625.2	2877.1	3502.3	39,370
Bushby	37	NECMH010	225	1393	8	1401	45.1	3.6	2.96	10.8	68.4	5.1	84.3								
Subtotal (Section NETC-2)						1401	45.1	3.6	2.96	10.8	68.4	5.1	84.3	2982.7	123459	327.5	1.93	631.0	2950.6	3581.6	39,860
Clover	38	NECMH003	225	48664	37715	86379	846.6	224.9	1.64	369.5	1284.1	96.2	1749.8								
Subtotal (Section NETC-3)						86379	846.6	224.9	1.64	369.5	1284.1	96.2	1749.8	3829.3	209838	552.5	1.76	970.9	4330.9	5301.8	62,576

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)	
Trent	39A01	NEBMH066	225	1731	0	1731	40.6	4.5	2.91	13.1	94.5	2.3	109.9									
Subtotal (Section NETB-1)						1731	40.6	4.5	2.91	13.1	94.5	2.3	109.9	40.6	1731	4.5	2.91	13.1	96.8	109.9	547	
Trent	39A02	NEBMH062	225	2660	1623	4283	58.8	11.2	2.65	29.5	136.9	3.3	169.7									
Trent	39A03	NEBMH059	225	581	124	705	12.4	1.8	3.11	5.7	28.9	0.7	35.3									
Subtotal (Section NETB-2)						4989	71.2	13.0	3.52	35.2	165.7	4.0	204.9	111.8	6720	17.5	3.12	54.7	266.5	321.1	1,945	
Trent	39C03	NEBMH054	225	2176	189	2365	39.7	6.2	2.82	17.4	74.5	1.0	93.0									
Subtotal (Section NETB-3)						2365	39.7	6.2	2.82	17.4	74.5	1.0	93.0	151.5	9085	23.7	3.00	70.9	342.1	412.9	2,631	
Trent	39B01	NEBMH050	225	6282	448	6730	102.7	17.5	2.50	43.8	283.9	19.4	347.1									
Trent	39B02	NEBMH050	225	1992	126	2120	47.2	5.5	2.85	15.7	130.5	8.9	155.2									
Trent	39C02	NEBMH049	225	1113	0	1113	20.4	2.9	3.02	8.7	38.3	0.5	47.6									
Trent	39C04	NEBMH041	225	360	574	934	12.5	2.4	3.06	7.4	23.5	0.3	31.2									
Subtotal (Section NETB-4)						10898	162.8	28.4	7.57	476.2	29.2	581.1	334.3	19983	52.0	2.65	138.0	847.4	985.5	5,792		
Trent	39C01	NEBMH035	225	6390	940	7330	93.5	19.1	2.47	47.1	175.6	2.4	225.1									
Broom	30A02	NEBMH033	250	2414	392	2806	145.5	8.1	2.77	22.5	127.3	8.5	158.2									
Broom	30B01	NEBMH032	250	329	0	329	11.5	1.0	3.25	3.1	6.3	0.7	10.0									
Broom	30B02	NEBMH030	250	327	49	376	6.4	1.1	3.23	3.5	3.5	0.4	7.4									
Subtotal (Section NETB-5)						10841	256.9	29.2	7.63	312.6	11.9	400.8	591.2	30824	81.3	2.47	200.4	1171.9	1372.4	9,315		
Broom	30B03	NEBMH028	250	745	442	1187	20.8	3.4	3.00	10.3	11.3	1.2	22.9									
Broom	30B04	NEBMH027	250	0	528	528	5.5	1.5	3.17	4.8	3.0	0.3	8.2									
Broom	30B05	NEBMH026	250	231	118	349	8.5	1.0	3.24	3.3	4.6	0.5	8.4									
Broom	30B06	NEBMH026	250	242	4	246	4.1	0.7	3.29	2.3	2.2	0.2	4.8									
Broom	30B07	NEBMH025	250	84	0	84	2.4	0.2	3.41	0.8	1.3	0.1	2.3									
Subtotal (Section NETB-6)						2394	41.3	6.9	21.6	22.5	2.4	46.5	632.5	33218	88.2	2.43	214.7	1196.9	1411.6	10,073		
Broom	30B09	NEBMH024	250	2303	290	2593	65.2	7.5	2.80	21.0	35.6	3.8	60.3									
Broom	30B08	NEBMH022	250	130	0	130	4.2	0.4	3.37	1.3	2.3	0.2	3.8									
Broom	30B10	NEBMH020	250	44	9	53	3.5	0.2	3.45	0.5	1.9	0.2	2.6									
Broom	30B11	NEBMH020	250	69	0	69	2.1	0.2	3.43	0.7	1.1	0.1	2.0									
Windsor	31A	NEBMH017	250	122	0	122	4.6	0.4	3.38	1.2	2.5	0.3	4.0									
Subtotal (Section NETB-7)						2967	79.6	8.6	24.7	43.4	4.6	72.7	712.1	36185	96.8	2.40	232.1	1244.9	1477.0	11,124		
Esplanade	29	NEBMH014	250	358	68	426	15.4	1.2	3.21	3.9	13.5	0.9	18.3									
Subtotal (Section NETB-8)						426	15.4	1.2	3.21	3.9	13.5	0.9	18.3	727.5	36611	98.0	2.39	234.6	1259.3	1493.9	11,290	
Windsor	31B	NEBMH003	250	1711	221	1932	57.2	5.6	2.88	16.1	31.2	3.3	50.6									
Currie	32	NEBMH001	250	5037	284	5321	202.7	15.4	2.58	39.7	470.7	19.8	530.1									
Subtotal (Section NETB-9)						7253	259.9	21.0	55.7	501.9	23.1	580.7	987.4	43864	119.0	2.32	275.9	1784.3	2060.2	14,110		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	30712	17617	48329	1069.2	125.9	2.28	286.7	272.7	39.5	599.0								
Subtotal (Section ECI-1)						48329	1069.2	125.9	2.28	286.7	272.7	39.5	599.0	1069.2	48329	125.9	2.28	286.7	312.3	599.0	15,018
Penryn	24	Penryn	225	2801	5483	8284	280.8	21.6	2.43	52.4	55.4	6.1	113.9								
Broom	30A01	Penryn	225	200	5374	5574	68.4	14.5	2.56	37.2	59.8	4.0	101.0								
Subtotal (Section ECI-2)						13858	349.2	36.1	4.99	89.6	115.3	10.0	214.9	1418.4	62187	161.9	2.18	352.7	437.6	790.3	19,490
Humber	25	Humber	250	419	141	560	56.2	1.6	3.16	5.1	90.0	4.6	99.7								
Subtotal (Section ECI-3)						560	56.2	1.6	3.16	5.1	90.0	4.6	99.7	1474.6	62747	163.6	2.17	355.7	532.1	887.8	19,948
Rutland	26	Rutland	250	766	0	766	78.4	2.2	3.10	6.9	90.0	1.9	98.8								
Subtotal (Section ECI-4)						766	78.4	2.2	3.10	6.9	90.0	1.9	98.8	1553.0	63513	165.8	2.17	359.7	624.0	983.7	20,343
Estevan	27	ECIMH029	250	1647	108	1755	72.7	5.1	2.90	14.7	71.6	3.2	89.5								
Dalhousie	28	ECIMH029	250	795	0	795	29.4	2.3	3.09	7.1	28.9	1.3	37.3								
Subtotal (Section ECI-5)						2551	102.1	7.4	21.9	100.5	4.5	126.8	1655.1	66064	173.2	2.15	373.1	729.0	1102.1	21,376	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	109928	292.2	1.97	574.6	2513.3	3087.9	35,487

Richmond	34	ECIMH005	225	9913	1829	11742	227.6	30.6	2.31	70.6	546.0	15.1	631.6								
Subtotal (Section ECI-7)						11742	227.6	30.6	2.31	70.6	546.0	15.1	631.6	2870.1	121670	322.8	1.93	623.4	3074.4	3697.8	39,011
Haring/Hollywood	35	ECIMH001	250	388	0	388	67.5	1.1	3.22	3.6	161.9	4.5	170.0								
Subtotal (Section NETC-1)						388	67.5	1.1	3.22	3.6	161.9	4.5	170.0	2937.6	122058	323.9	1.93	625.2	3240.8	3866.0	39,370
Bushby	37	NECMH010	225	1393	8	1401	45.1	3.6	2.96	10.8	76.6	5.1	92.6								
Subtotal (Section NETC-2)						1401	45.1	3.6	2.96	10.8	76.6	5.1	92.6	2982.7	123459	327.5	1.93	631.0	3322.6	3953.5	39,860
Clover	38	NECMH003	225	48664	37715	86379	846.6	224.9	1.64	369.5	1438.8	96.2	1904.5								
Subtotal (Section NETC-3)						86379	846.6	224.9	1.64	369.5	1438.8	96.2	1904.5	3829.3	209838	552.5	1.76	970.9	4857.6	5828.5	62,576

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1731	0	1731	40.6	4.5	2.91	13.1	114.3	2.3	129.6								
Subtotal (Section NETB-1)						1731	40.6	4.5	2.91	13.1	114.3	2.3	129.6	40.6	1731	4.5	2.91	13.1	116.5	129.6	547
Trent	39A02	NEBMH062	225	2660	1623	4283	58.8	11.2	2.65	29.5	165.5	3.3	198.3								
Trent	39A03	NEBMH059	225	581	124	705	12.4	1.8	3.11	5.7	34.9	0.7	41.3								
Subtotal (Section NETB-2)						4989	71.2	13.0	35.2	200.4	4.0	239.6	111.8	6720	17.5	3.12	54.7	320.9	375.5	1,945	
Trent	39C03	NEBMH054	225	2176	189	2365	39.7	6.2	2.82	17.4	86.3	1.0	104.7								
Subtotal (Section NETB-3)						2365	39.7	6.2	2.82	17.4	86.3	1.0	104.7	151.5	9085	23.7	3.00	70.9	408.2	479.1	2,631
Trent	39B01	NEBMH050	225	6282	448	6730	102.7	17.5	2.50	43.8	318.5	19.4	381.7								
Trent	39B02	NEBMH050	225	1992	126	2120	47.2	5.5	2.85	15.7	146.4	8.9	171.1								
Trent	39C02	NEBMH049	225	1113	0	1113	20.4	2.9	3.02	8.7	44.3	0.5	53.6								
Trent	39C04	NEBMH041	225	360	574	934	12.5	2.4	3.06	7.4	27.2	0.3	34.9								
Subtotal (Section NETB-4)						10898	162.8	28.4	75.7	536.4	29.2	641.3	334.3	19983	52.0	2.65	138.0	973.8	1111.8	5,792	
Trent	39C01	NEBMH035	225	6390	940	7330	93.5	19.1	2.47	47.1	203.2	2.4	252.8								
Broom	30A02	NEBMH033	250	2414	392	2806	145.5	8.1	2.77	22.5	152.9	8.5	183.8								
Broom	30B01	NEBMH032	250	329	0	329	11.5	1.0	3.25	3.1	6.9	0.7	10.7								
Broom	30B02	NEBMH030	250	327	49	376	6.4	1.1	3.23	3.5	3.8	0.4	7.7								
Subtotal (Section NETB-5)						10841	256.9	29.2	76.3	366.9	11.9	455.1	591.2	30824	81.3	2.47	200.4	1352.6	1553.0	9,315	
Broom	30B03	NEBMH028	250	745	442	1187	20.8	3.4	3.00	10.3	12.5	1.2	24.0								
Broom	30B04	NEBMH027	250	0	528	528	5.5	1.5	3.17	4.8	3.3	0.3	8.5								
Broom	30B05	NEBMH026	250	231	118	349	8.5	1.0	3.24	3.3	5.1	0.5	8.9								
Broom	30B06	NEBMH025	250	242	4	246	4.1	0.7	3.29	2.3	2.5	0.2	5.0								
Broom	30B07	NEBMH025	250	84	0	84	2.4	0.2	3.41	0.8	1.4	0.1	2.4								
Subtotal (Section NETB-6)						2394	41.3	6.9	21.6	24.8	2.4	48.8	632.5	33218	88.2	2.43	214.7	1379.8	1594.5	10,073	
Broom	30B09	NEBMH024	250	2303	290	2593	65.2	7.5	2.80	21.0	39.2	3.8	64.0								
Broom	30B08	NEBMH022	250	130	0	130	4.2	0.4	3.37	1.3	2.5	0.2	4.0								
Broom	30B10	NEBMH020	250	44	9	53	3.5	0.2	3.45	0.5	2.1	0.2	2.8								
Broom	30B11	NEBMH020	250	69	0	69	2.1	0.2	3.43	0.7	1.3	0.1	2.1								
Windsor	31A	NEBMH017	250	122	0	122	4.6	0.4	3.38	1.2	2.9	0.3	4.2								
Subtotal (Section NETB-7)						2967	79.6	8.6	24.7	47.9	4.6	77.1	712.1	36185	96.8	2.40	232.1	1432.3	1664.4	11,124	
Esplanade	29	NEBMH014	250	358	68	426	15.4	1.2	3.21	3.9	16.2	0.9	21.0								
Subtotal (Section NETB-8)						426	15.4	1.2	3.21	3.9	16.2	0.9	21.0	727.5	36611	98.0	2.39	234.6	1449.4	1684.0	11,290
Windsor	31B	NEBMH003	250	1711	221	1932	57.2	5.6	2.88	16.1	34.4	3.3	53.8								
Currie	32	NEBMH001	250	5037	284	5321	202.7	15.4	2.58	39.7	543.9	19.8	603.4								
Subtotal (Section NETB-9)						7253	259.9	21.0	55.7	578.3	23.1	657.2	987.4	43864	119.0	2.32	275.9	2050.8	2326.7	14,110	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	30712	17617	48329	1069.2	125.9	2.28	286.7	321.2	39.5	647.5								
Subtotal (Section ECI-1)						48329	1069.2	125.9	2.28	286.7	321.2	39.5	647.5	1069.2	48329	125.9	2.28	286.7	360.8	647.5	15,018
Penryn	24	Penryn	225	2801	5483	8284	280.8	21.6	2.43	52.4	68.1	6.1	126.5								
Broom	30A01	Penryn	225	200	5374	5574	68.4	14.5	2.56	37.2	71.9	4.0	113.0								
Subtotal (Section ECI-2)						13858	349.2	36.1	4.99	89.6	140.0	10.0	239.5	1418.4	62187	161.9	2.18	352.7	510.7	863.4	19,490
Humber	25	Humber	250	419	141	560	56.2	1.6	3.16	5.1	90.0	4.6	99.7								
Subtotal (Section ECI-3)						560	56.2	1.6	3.16	5.1	90.0	4.6	99.7	1474.6	62747	163.6	2.17	355.7	605.3	961.0	19,948
Rutland	26	Rutland	250	766	0	766	78.4	2.2	3.10	6.9	90.0	1.9	98.8								
Subtotal (Section ECI-4)						766	78.4	2.2	3.10	6.9	90.0	1.9	98.8	1553.0	63513	165.8	2.17	359.7	697.2	1056.9	20,343
Estevan	27	ECIMH029	250	1647	108	1755	72.7	5.1	2.90	14.7	78.6	3.2	96.5								
Dalhousie	28	ECIMH029	250	795	0	795	29.4	2.3	3.09	7.1	31.8	1.3	40.2								
Subtotal (Section ECI-5)						2551	102.1	7.4	21.9	110.4	4.5	136.7	1655.1	66064	173.2	2.15	373.1	812.1	1185.1	21,376	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	109928	292.2	1.97	574.6	2862.9	3437.5	35,487

Richmond	34	ECIMH005	225	9913	1829	11742	227.6	30.6	2.31	70.6	631.8	15.1	717.4								
Subtotal (Section ECI-7)						11742	227.6	30.6	2.31	70.6	631.8	15.1	717.4	2870.1	121670	322.8	1.93	623.4	3509.7	4133.1	39,011
Hartley/Hollywood	35	ECIMH001	250	388	0	388	67.5	1.1	3.22	3.6	187.4	4.5	195.5								
Subtotal (Section NETC-1)						388	67.5	1.1	3.22	3.6	187.4	4.5	195.5	2937.6	122058	323.9	1.93	625.2	3701.5	4326.7	39,370
Bushby	37	NECMH010	225	1393	8	1401	45.1	3.6	2.96	10.8	87.1	5.1	103.0								
Subtotal (Section NETC-2)						1401	45.1	3.6	2.96	10.8	87.1	5.1	103.0	2982.7	123459	327.5	1.93	631.0	3793.7	4424.7	39,860
Clover	38	NECMH003	225	48664	37715	86379	846.6	224.9	1.64	369.5	1634.4	96.2	2100.1								
Subtotal (Section NETC-3)						86379	846.6	224.9	1.64	369.5	1634.4	96.2	2100.1	3829.3	209838	552.5	1.76	970.9	5524.4	6495.3	62,576

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1731	0	1731	40.6	4.5	2.91	13.1	143.6	2.3	158.9								
Subtotal (Section NETB-1)						1731	40.6	4.5	2.91	13.1	143.6	2.3	158.9	40.6	1731	4.5	2.91	13.1	145.8	158.9	547
Trent	39A02	NEBMH062	225	2660	1623	4283	58.8	11.2	2.65	29.5	207.9	3.3	240.7								
Trent	39A03	NEBMH059	225	581	124	705	12.4	1.8	3.11	5.7	43.8	0.7	50.3								
Subtotal (Section NETB-2)						4989	71.2	13.0	3.52	251.8	4.0	291.0	111.8	6720	17.5	3.12	54.7	401.6	456.2	1,945	
Trent	39C03	NEBMH054	225	2176	189	2365	39.7	6.2	2.82	17.4	103.7	1.0	122.1								
Subtotal (Section NETB-3)						2365	39.7	6.2	2.82	17.4	103.7	1.0	122.1	151.5	9085	23.7	3.00	70.9	506.3	577.2	2,631
Trent	39B01	NEBMH050	225	6282	448	6730	102.7	17.5	2.50	43.8	369.6	19.4	432.8								
Trent	39B02	NEBMH050	225	1992	126	2120	47.2	5.5	2.85	15.7	169.9	8.9	194.5								
Trent	39C02	NEBMH049	225	1113	0	1113	20.4	2.9	3.02	8.7	53.3	0.5	62.6								
Trent	39C04	NEBMH041	225	360	574	934	12.5	2.4	3.06	7.4	32.7	0.3	40.4								
Subtotal (Section NETB-4)						10898	162.8	28.4	7.57	625.4	29.2	730.3	334.3	19983	52.0	2.65	138.0	1160.9	1299.0	5,792	
Trent	39C01	NEBMH035	225	6390	940	7330	93.5	19.1	2.47	47.1	244.3	2.4	293.9								
Broom	30A02	NEBMH033	250	2414	392	2806	145.5	8.1	2.77	22.5	190.9	8.5	221.8								
Broom	30B01	NEBMH032	250	329	0	329	11.5	1.0	3.25	3.1	7.9	0.7	11.6								
Broom	30B02	NEBMH030	250	327	49	376	6.4	1.1	3.23	3.5	4.4	0.4	8.3								
Subtotal (Section NETB-5)						10841	256.9	29.2	7.63	447.4	11.9	535.6	591.2	30824	81.3	2.47	200.4	1620.3	1820.7	9,315	
Broom	30B03	NEBMH028	250	745	442	1187	20.8	3.4	3.00	10.3	14.2	1.2	25.7								
Broom	30B04	NEBMH027	250	0	528	528	5.5	1.5	3.17	4.8	3.8	0.3	8.9								
Broom	30B05	NEBMH026	250	231	118	349	8.5	1.0	3.24	3.3	5.8	0.5	9.6								
Broom	30B06	NEBMH026	250	242	4	246	4.1	0.7	3.29	2.3	2.8	0.2	5.4								
Broom	30B07	NEBMH025	250	84	0	84	2.4	0.2	3.41	0.8	1.6	0.1	2.6								
Subtotal (Section NETB-6)						2394	41.3	6.9	21.6	28.2	2.4	52.2	632.5	33218	88.2	2.43	214.7	1650.9	1865.6	10,073	
Broom	30B09	NEBMH024	250	2303	290	2593	65.2	7.5	2.80	21.0	44.6	3.8	69.3								
Broom	30B08	NEBMH022	250	130	0	130	4.2	0.4	3.37	1.3	2.9	0.2	4.4								
Broom	30B10	NEBMH020	250	44	9	53	3.5	0.2	3.45	0.5	2.4	0.2	3.1								
Broom	30B11	NEBMH020	250	69	0	69	2.1	0.2	3.43	0.7	1.4	0.1	2.2								
Windsor	31A	NEBMH017	250	122	0	122	4.6	0.4	3.38	1.2	3.1	0.3	4.6								
Subtotal (Section NETB-7)						2967	79.6	8.6	24.7	54.4	4.6	83.7	712.1	36185	96.8	2.40	232.1	1709.9	1942.1	11,124	
Esplanade	29	NEBMH014	250	358	68	426	15.4	1.2	3.21	3.9	20.2	0.9	25.0								
Subtotal (Section NETB-8)						426	15.4	1.2	3.21	3.9	20.2	0.9	25.0	727.5	36611	98.0	2.39	234.6	1731.0	1965.6	11,290
Windsor	31B	NEBMH003	250	1711	221	1932	57.2	5.6	2.88	16.1	39.1	3.3	58.5								
Currie	32	NEBMH001	250	5037	284	5321	202.7	15.4	2.58	39.7	652.1	19.8	711.6								
Subtotal (Section NETB-9)						7253	259.9	21.0	55.7	691.2	23.1	770.1	987.4	43864	119.0	2.32	275.9	2445.4	2721.2	14,110	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	30712	17617	48329	1069.2	125.9	2.28	286.7	392.9	39.5	719.1								
Subtotal (Section ECI-1)						48329	1069.2	125.9	2.28	286.7	392.9	39.5	719.1	1069.2	48329	125.9	2.28	286.7	432.4	719.1	15,018
Penryn	24	Penryn	225	2801	5483	8284	280.8	21.6	2.43	52.4	86.8	6.1	145.2								
Broom	30A01	Penryn	225	200	5374	5574	68.4	14.5	2.56	37.2	89.7	4.0	130.9								
Subtotal (Section ECI-2)						13858	349.2	36.1	4.99	89.6	176.5	10.0	276.1	1418.4	62187	161.9	2.18	352.7	618.9	971.6	19,490
Humber	25	Humber	250	419	141	560	56.2	1.6	3.16	5.1	90.0	4.6	99.7								
Subtotal (Section ECI-3)						560	56.2	1.6	3.16	5.1	90.0	4.6	99.7	1474.6	62747	163.6	2.17	355.7	713.5	1069.2	19,948
Rutland	26	Rutland	250	766	0	766	78.4	2.2	3.10	6.9	90.0	1.9	98.8								
Subtotal (Section ECI-4)						766	78.4	2.2	3.10	6.9	90.0	1.9	98.8	1553.0	63513	165.8	2.17	359.7	805.4	1165.1	20,343
Estevan	27	ECIMH029	250	1647	108	1755	72.7	5.1	2.90	14.7	88.9	3.2	106.9								
Dalhousie	28	ECIMH029	250	795	0	795	29.4	2.3	3.09	7.1	36.0	1.3	44.4								
Subtotal (Section ECI-5)						2551	102.1	7.4	21.9	124.9	4.5	151.2	1655.1	66064	173.2	2.15	373.1	934.8	1307.8	21,376	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	109928	292.2	1.97	574.6	3380.1	3954.7	35,487
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Richmond	34	ECIMH005	225	9913	1829	11742	227.6	30.6	2.31	70.6	758.3	15.1	844.0								
Subtotal (Section ECI-7)						11742	227.6	30.6	2.31	70.6	758.3	15.1	844.0	2870.1	121670	322.8	1.93	623.4	4153.5	4776.9	39,011
Harting/Hollywood	35	ECIMH001	250	388	0	388	67.5	1.1	3.22	3.6	224.9	4.5	233.0								
Subtotal (Section ECI-8)						388	67.5	1.1	3.22	3.6	224.9	4.5	233.0	2937.6	122058	323.9	1.93	625.2	4382.9	5008.1	39,370
Bushby	37	NECMH010	225	1393	8	1401	45.1	3.6	2.96	10.8	102.5	5.1	118.4								
Subtotal (Section ECI-9)						1401	45.1	3.6	2.96	10.8	102.5	5.1	118.4	2982.7	123459	327.5	1.93	631.0	4490.5	5121.4	39,860
Clover	38	NECMH003	225	48664	37715	86379	846.6	224.9	1.64	369.5	1923.3	96.2	2389.0								
Subtotal (Section ECI-10)						86379	846.6	224.9	1.64	369.5	1923.3	96.2	2389.0	3829.3	209838	552.5	1.76	970.9	6510.0	7480.9	62,576

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1765	0	1765	40.6	4.6	2.90	13.3	55.2	2.3	70.8								
Subtotal (Section NETB-1)						1765	40.6	4.6	2.90	13.3	55.2	2.3	70.8	40.6	1765	4.6	2.90	13.3	55.2	70.8	555
Trent	39A02	NEBMH062	225	2713	1655	4368	58.8	11.4	2.64	30.0	80.0	3.3	113.3								
Trent	39A03	NEBMH059	225	593	126	719	12.4	1.9	3.11	5.8	16.9	0.7	23.4								
Subtotal (Section NETB-2)						5088	71.2	13.2	35.8	96.8	4.0	136.6	111.8	6853	17.8	3.12	55.6	158.3	213.9	1,975	
Trent	39C03	NEBMH054	225	2219	193	2412	39.7	6.3	2.82	17.7	51.2	1.0	69.9								
Subtotal (Section NETB-3)						2412	39.7	6.3	2.82	17.7	51.2	1.0	69.9	151.5	9265	24.1	2.99	72.1	210.5	282.6	2,672
Trent	39B01	NEBMH050	225	6407	457	6864	102.7	17.9	2.49	44.5	215.3	19.4	279.2								
Trent	39B02	NEBMH050	225	2031	131	2162	47.2	5.6	2.85	16.0	98.9	8.9	123.9								
Trent	39C02	NEBMH049	225	1136	0	1136	20.4	3.0	3.01	8.9	26.3	0.5	35.7								
Trent	39C04	NEBMH041	225	368	586	954	12.5	2.5	3.05	7.6	16.1	0.3	24.0								
Subtotal (Section NETB-4)						11115	182.8	28.9	77.1	356.6	29.2	462.9	334.3	20381	53.1	2.64	140.3	596.3	736.6	5,881	
Trent	39C01	NEBMH035	225	6517	959	7476	93.5	19.5	2.46	48.0	120.5	2.4	170.9								
Broom	30A02	NEBMH033	250	2461	399	2861	145.5	8.3	2.77	22.9	76.3	8.5	107.7								
Broom	30B01	NEBMH032	250	336	0	336	11.5	1.0	3.25	3.2	5.0	0.7	8.8								
Broom	30B02	NEBMH030	250	334	50	384	6.4	1.1	3.22	3.6	2.8	0.4	6.7								
Subtotal (Section NETB-5)						11056	256.9	28.8	77.6	204.7	11.9	294.2	591.2	31436	82.9	2.46	203.7	812.9	1016.6	9,454	
Broom	30B03	NEBMH028	250	760	451	1211	20.8	3.5	3.00	10.5	9.1	1.2	20.8								
Broom	30B04	NEBMH027	250	0	538	538	5.5	1.6	3.17	4.9	2.4	0.3	7.7								
Broom	30B05	NEBMH026	250	235	120	355	8.5	1.0	3.24	3.3	3.7	0.5	7.5								
Broom	30B06	NEBMH026	250	247	4	251	4.1	0.7	3.29	2.4	1.8	0.2	4.4								
Broom	30B07	NEBMH025	250	86	0	86	2.4	0.2	3.41	0.8	1.0	0.1	2.0								
Subtotal (Section NETB-6)						2441	41.3	7.1	22.0	18.1	2.4	42.4	632.5	33877	90.0	2.43	218.2	833.3	1051.6	10,224	
Broom	30B09	NEBMH024	250	2348	296	2643	65.2	7.6	2.79	21.3	28.5	3.8	53.6								
Broom	30B08	NEBMH022	250	132	0	132	4.2	0.4	3.37	1.3	1.8	0.2	3.4								
Broom	30B10	NEBMH020	250	45	9	54	3.5	0.2	3.45	0.5	1.5	0.2	2.3								
Broom	30B11	NEBMH020	250	71	0	71	2.1	0.2	3.43	0.7	0.9	0.1	1.7								
Windsor	31A	NEBMH017	250	125	0	125	4.6	0.4	3.37	1.2	2.0	0.3	3.5								
Subtotal (Section NETB-7)						3025	79.6	8.8	25.1	34.8	4.6	64.5	712.1	36902	98.7	2.39	235.9	872.8	1108.7	11,289	
Esplanade	29	NEBMH014	250	365	69	434	15.4	1.3	3.20	4.0	8.1	0.9	13.0								
Subtotal (Section NETB-8)						434	15.4	1.3	3.20	4.0	8.1	0.9	13.0	727.5	37336	100.0	2.38	238.4	881.7	1120.1	11,457
Windsor	31B	NEBMH003	250	1744	225	1969	57.2	5.7	2.87	16.4	25.0	3.3	44.7								
Currie	32	NEBMH001	250	5135	289	5425	202.7	15.7	2.57	40.3	325.2	19.8	385.2								
Subtotal (Section NETB-9)						7394	259.9	21.4	56.7	350.2	23.1	429.9	987.4	44730	121.4	2.31	280.3	1255.0	1535.3	14,313	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	31360	17987	49347	1069.2	128.5	2.27	291.7	176.4	39.5	507.6								
Subtotal (Section ECI-1)						49347	1069.2	128.5	2.27	291.7	176.4	39.5	507.6	1069.2	49347	128.5	2.27	291.7	215.9	507.6	15,247
Penryhn	24	Penryhn	225	2860	5598	8458	280.8	22.0	2.42	53.3	30.3	6.1	89.7								
Broom	30A01	Penryhn	225	204	5476	5680	68.4	14.8	2.55	37.8	35.9	4.0	77.6								
Subtotal (Section ECI-2)						14138	349.2	36.8	4.98	91.1	66.2	10.0	167.3	1418.4	63485	165.3	2.17	358.7	292.1	650.9	19,782
Humber	25	Humber	250	427	144	571	56.2	1.7	3.16	5.2	90.0	4.6	99.8								
Subtotal (Section ECI-3)						571	56.2	1.7	3.16	5.2	90.0	4.6	99.8	1474.6	64056	167.0	2.17	361.7	386.7	748.4	20,142
Rutland	26	Rutland	250	781	0	781	78.4	2.3	3.09	7.0	90.0	1.9	98.9								
Subtotal (Section ECI-4)						781	78.4	2.3	3.09	7.0	90.0	1.9	98.9	1553.0	64837	169.2	2.16	365.8	478.6	844.4	20,641
Estevan	27	ECIMH029	250	1679	110	1789	72.7	5.2	2.90	15.0	57.7	3.2	75.9								
Dalhousie	28	ECIMH029	250	811	0	811	29.4	2.3	3.09	7.2	23.3	1.3	31.8								
Subtotal (Section ECI-5)						2600	102.1	7.5	22.2	81.0	4.5	107.7	1655.1	67437	176.8	2.15	379.4	564.1	943.5	21,687	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	112166	298.1	1.96	584.2	1819.1	2403.2	36,000

Richmond	34	ECIMH005	225	10110	1866	11976	227.6	31.2	2.30	71.8	375.9	15.1	462.7								
Subtotal (Section ECI-7)						11976	227.6	31.2	2.30	71.8	375.9	15.1	462.7	2870.1	124142	329.3	1.92	633.8	2210.0	2843.8	39,577
Hartley/Hollywood	35	ECIMH001	250	395	0	395	67.5	1.1	3.22	3.7	111.5	4.5	119.6								
Subtotal (Section NETC-1)						395	67.5	1.1	3.22	3.7	111.5	4.5	119.6	2937.6	124537	330.5	1.92	635.6	2325.9	2961.6	39,938
Bushby	37	NECMH010	225	1421	8	1429	45.1	3.7	2.96	11.0	55.9	5.1	72.1								
Subtotal (Section NETC-2)						1429	45.1	3.7	2.96	11.0	55.9	5.1	72.1	2982.7	125966	334.2	1.92	641.5	2387.0	3028.5	40,434
Clover	38	NECMH003	225	49629	38469	88099	846.6	229.4	1.64	375.5	1050.1	96.2	1521.8								
Subtotal (Section NETC-3)						88099	846.6	229.4	1.64	375.5	1050.1	96.2	1521.8	3829.3	214065	563.6	1.75	987.1	3533.3	4520.5	63,537

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1765	0	1765	40.6	4.6	2.90	13.3	78.8	2.3	94.4								
Subtotal (Section NETB-1)						1765	40.6	4.6	2.90	13.3	78.8	2.3	94.4	40.6	1765	4.6	2.90	13.3	81.1	94.4	555
Trent	39A02	NEBMH062	225	2713	1655	4368	58.8	11.4	2.64	30.0	114.2	3.3	147.5								
Trent	39A03	NEBMH059	225	593	126	719	12.4	1.9	3.11	5.8	24.1	0.7	30.6								
Subtotal (Section NETB-2)						5088	71.2	13.2	35.8	138.2	4.0	178.1	111.8	6853	17.8	3.12	55.6	223.3	278.9	1,975	
Trent	39C03	NEBMH054	225	2219	193	2412	39.7	6.3	2.82	17.7	65.2	1.0	83.9								
Subtotal (Section NETB-3)						2412	39.7	6.3	2.82	17.7	65.2	1.0	83.9	151.5	9265	24.1	2.99	72.1	289.6	361.6	2,672
Trent	39B01	NEBMH050	225	6407	457	6864	102.7	17.9	2.49	44.5	256.7	19.4	320.6								
Trent	39B02	NEBMH050	225	2031	131	2162	47.2	5.6	2.85	16.0	118.0	8.9	142.9								
Trent	39C02	NEBMH049	225	1136	0	1136	20.4	3.0	3.01	8.9	33.5	0.5	42.9								
Trent	39C04	NEBMH041	225	368	586	954	12.5	2.5	3.05	7.6	20.5	0.3	28.4								
Subtotal (Section NETB-4)						11115	182.8	28.9	77.1	428.7	29.2	534.9	334.3	20381	53.1	2.64	140.3	747.5	887.8	5,881	
Trent	39C01	NEBMH035	225	6517	959	7476	93.5	19.5	2.46	48.0	153.6	2.4	204.0								
Broom	30A02	NEBMH033	250	2461	399	2861	145.5	8.3	2.77	22.9	106.9	8.5	138.3								
Broom	30B01	NEBMH032	250	336	0	336	11.5	1.0	3.25	3.2	5.8	0.7	9.6								
Broom	30B02	NEBMH030	250	334	50	384	6.4	1.1	3.22	3.6	3.2	0.4	7.2								
Subtotal (Section NETB-5)						11056	256.9	28.8	77.6	269.6	11.9	359.1	591.2	31436	82.9	2.46	203.7	1028.9	1232.7	9,454	
Broom	30B03	NEBMH028	250	760	451	1211	20.8	3.5	3.00	10.5	10.5	1.2	22.2								
Broom	30B04	NEBMH027	250	0	538	538	5.5	1.6	3.17	4.9	2.8	0.3	8.0								
Broom	30B05	NEBMH026	250	235	120	355	8.5	1.0	3.24	3.3	4.3	0.5	8.1								
Broom	30B06	NEBMH026	250	247	4	251	4.1	0.7	3.29	2.4	2.1	0.2	4.7								
Broom	30B07	NEBMH025	250	86	0	86	2.4	0.2	3.41	0.8	1.2	0.1	2.2								
Subtotal (Section NETB-6)						2441	41.3	7.1	22.0	20.8	2.4	45.2	632.5	33877	90.0	2.43	218.2	1052.1	1270.4	10,224	
Broom	30B09	NEBMH024	250	2348	296	2643	65.2	7.6	2.79	21.3	32.8	3.8	58.0								
Broom	30B08	NEBMH022	250	132	0	132	4.2	0.4	3.37	1.3	2.1	0.2	3.6								
Broom	30B10	NEBMH020	250	45	9	54	3.5	0.2	3.45	0.5	1.8	0.2	2.5								
Broom	30B11	NEBMH020	250	71	0	71	2.1	0.2	3.43	0.7	1.1	0.1	1.9								
Windsor	31A	NEBMH017	250	125	0	125	4.6	0.4	3.37	1.2	2.3	0.3	3.8								
Subtotal (Section NETB-7)						3025	79.6	8.8	25.1	40.1	4.6	69.8	712.1	36902	98.7	2.39	235.9	1096.8	1332.7	11,289	
Esplanade	29	NEBMH014	250	365	69	434	15.4	1.3	3.20	4.0	11.3	0.9	16.2								
Subtotal (Section NETB-8)						434	15.4	1.3	3.20	4.0	11.3	0.9	16.2	727.5	37336	100.0	2.38	238.4	1109.1	1347.5	11,457
Windsor	31B	NEBMH003	250	1744	225	1969	57.2	5.7	2.87	16.4	28.8	3.3	48.5								
Currie	32	NEBMH001	250	5135	289	5425	202.7	15.7	2.57	40.3	412.8	19.8	472.9								
Subtotal (Section NETB-9)						7394	259.9	21.4	56.7	441.6	23.1	521.4	987.4	44730	121.4	2.31	280.3	1573.7	1854.1	14,313	

NET-B Ends at the Currie Major Pump Station

ECI

Arbutus	23	ECIMH041	225	31360	17987	49347	1069.2	128.5	2.27	291.7	234.4	39.5	565.6								
Subtotal (Section ECI-1)						49347	1069.2	128.5	2.27	291.7	234.4	39.5	565.6	1069.2	49347	128.5	2.27	291.7	273.9	565.6	15,247
Penryn	24	Penryn	225	2860	5598	8458	280.8	22.0	2.42	53.3	45.4	6.1	104.8								
Broom	30A01	Penryn	225	204	5476	5680	68.4	14.8	2.55	37.8	50.3	4.0	92.0								
Subtotal (Section ECI-2)						14138	349.2	36.8	4.98	91.1	95.7	10.0	196.9	1418.4	63485	165.3	2.17	358.7	379.7	738.4	19,782
Humber	25	Humber	250	427	144	571	56.2	1.7	3.16	5.2	90.0	4.6	99.8								
Subtotal (Section ECI-3)						571	56.2	1.7	3.16	5.2	90.0	4.6	99.8	1474.6	64056	167.0	2.17	361.7	474.2	836.0	20,142
Rutland	26	Rutland	250	781	0	781	78.4	2.3	3.09	7.0	90.0	1.9	98.9								
Subtotal (Section ECI-4)						781	78.4	2.3	3.09	7.0	90.0	1.9	98.9	1553.0	64837	169.2	2.16	365.8	566.1	932.0	20,641
Estevan	27	ECIMH029	250	1679	110	1789	72.7	5.2	2.90	15.0	66.1	3.2	84.3								
Dalhousie	28	ECIMH029	250	811	0	811	29.4	2.3	3.09	7.2	26.7	1.3	35.2								
Subtotal (Section ECI-5)						2600	102.1	7.5	22.2	92.8	4.5	119.5	1655.1	67437	176.8	2.15	379.4	663.4	1042.8	21,687	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	112166	298.1	1.96	584.2	2237.1	2821.3	36,000
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Richmond	34	ECIMH005	225	10110	1866	11976	227.6	31.2	2.30	71.8	478.5	15.1	565.3								
Subtotal (Section ECI-7)						11976	227.6	31.2	2.30	71.8	478.5	15.1	565.3	2870.1	124142	329.3	1.92	633.8	2730.7	3364.5	39,577
Haring/Hollywood	35	ECIMH001	250	395	0	395	67.5	1.1	3.22	3.7	141.9	4.5	150.1								
Subtotal (Section NETC-1)						395	67.5	1.1	3.22	3.7	141.9	4.5	150.1	2937.6	124537	330.5	1.92	635.6	2877.1	3512.7	39,938
Bushby	37	NECMH010	225	1421	8	1429	45.1	3.7	2.96	11.0	68.4	5.1	84.5								
Subtotal (Section NETC-2)						1429	45.1	3.7	2.96	11.0	68.4	5.1	84.5	2982.7	125966	334.2	1.92	641.5	2950.6	3592.1	40,434
Clover	38	NECMH003	225	49629	38469	88099	846.6	229.4	1.64	375.5	1284.1	96.2	1755.8								
Subtotal (Section NETC-3)						88099	846.6	229.4	1.64	375.5	1284.1	96.2	1755.8	3829.3	214065	563.6	1.75	987.1	4330.9	5318.0	63,537

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1765	0	1765	40.6	4.6	2.90	13.3	94.5	2.3	110.1									
Subtotal (Section NETB-1)						1765	40.6	4.6	2.90	13.3	94.5	2.3	110.1		40.6	1765	4.6	2.90	13.3	96.8	110.1	555
Trent	39A02	NEBMH062	225	2713	1655	4368	58.8	11.4	2.64	30.0	136.9	3.3	170.2									
Trent	39A03	NEBMH059	225	593	126	719	12.4	1.9	3.11	5.8	28.9	0.7	35.4									
Subtotal (Section NETB-2)						5088	71.2	13.2	3.11	35.8	165.7	4.0	205.6		111.8	6853	17.8	3.12	55.6	266.5	322.1	1,975
Trent	39C03	NEBMH054	225	2219	193	2412	39.7	6.3	2.82	17.7	74.5	1.0	93.3									
Subtotal (Section NETB-3)						2412	39.7	6.3	2.82	17.7	74.5	1.0	93.3		151.5	9265	24.1	2.99	72.1	342.1	414.1	2,672
Trent	39B01	NEBMH050	225	6407	457	6864	102.7	17.9	2.49	44.5	283.9	19.4	347.9									
Trent	39B02	NEBMH050	225	2031	131	2162	47.2	5.6	2.85	16.0	130.5	8.9	155.4									
Trent	39C02	NEBMH049	225	1136	0	1136	20.4	3.0	3.01	8.9	38.3	0.5	47.7									
Trent	39C04	NEBMH041	225	368	586	954	12.5	2.5	3.05	7.6	23.5	0.3	31.4									
Subtotal (Section NETB-4)						11115	182.8	28.9	2.77	77.1	476.2	29.2	582.4		334.3	20381	53.1	2.64	140.3	847.4	987.8	5,881
Trent	39C01	NEBMH035	225	6517	959	7476	93.5	19.5	2.46	48.0	175.6	2.4	226.0									
Broom	30A02	NEBMH033	250	2461	399	2861	145.5	8.3	2.77	22.9	127.3	8.5	158.6									
Broom	30B01	NEBMH032	250	336	0	336	11.5	1.0	3.25	3.2	6.3	0.7	10.1									
Broom	30B02	NEBMH030	250	334	50	384	6.4	1.1	3.22	3.6	3.5	0.4	7.4									
Subtotal (Section NETB-5)						11056	256.9	28.8	2.77	77.6	312.6	11.9	402.1		591.2	31436	82.9	2.46	203.7	1171.9	1375.7	9,454
Broom	30B03	NEBMH028	250	760	451	1211	20.8	3.5	3.00	10.5	11.3	1.2	23.1									
Broom	30B04	NEBMH027	250	0	538	538	5.5	1.6	3.17	4.9	3.0	0.3	8.2									
Broom	30B05	NEBMH026	250	235	120	355	8.5	1.0	3.24	3.3	4.6	0.5	8.5									
Broom	30B06	NEBMH026	250	247	4	251	4.1	0.7	3.29	2.4	2.2	0.2	4.9									
Broom	30B07	NEBMH025	250	86	0	86	2.4	0.2	3.41	0.8	1.3	0.1	2.3									
Subtotal (Section NETB-6)						2441	41.3	7.1	2.20	22.5	2.4	46.9		632.5	33877	90.0	2.43	218.2	1196.9	1415.1	10,224	
Broom	30B09	NEBMH024	250	2348	296	2643	65.2	7.6	2.79	21.3	35.6	3.8	60.7									
Broom	30B08	NEBMH022	250	132	0	132	4.2	0.4	3.37	1.3	2.3	0.2	3.8									
Broom	30B10	NEBMH020	250	45	9	54	3.5	0.2	3.45	0.5	1.9	0.2	2.7									
Broom	30B11	NEBMH020	250	71	0	71	2.1	0.2	3.43	0.7	1.1	0.1	2.0									
Windsor	31A	NEBMH017	250	125	0	125	4.6	0.4	3.37	1.2	2.5	0.3	4.0									
Subtotal (Section NETB-7)						3025	79.6	8.8	2.51	43.4	4.6	73.1		712.1	36902	98.7	2.39	235.9	1244.9	1480.8	11,289	
Esplanade	29	NEBMH014	250	365	69	434	15.4	1.3	3.20	4.0	13.5	0.9	18.4									
Subtotal (Section NETB-8)						434	15.4	1.3	3.20	4.0	13.5	0.9	18.4		727.5	37336	100.0	2.38	238.4	1259.3	1497.7	11,457
Windsor	31B	NEBMH003	250	1744	225	1969	57.2	5.7	2.87	16.4	31.2	3.3	50.9									
Currie	32	NEBMH001	250	5135	289	5425	202.7	15.7	2.57	40.3	470.7	19.8	530.8									
Subtotal (Section NETB-9)						7394	259.9	21.4	2.57	56.7	501.9	23.1	581.7		987.4	44730	121.4	2.31	280.3	1784.3	2064.6	14,313

NET-B Ends at the Currie Major Pump Station

ECI																						
Arbutus	23	ECIMH041	225	31360	17987	49347	1069.2	128.5	2.27	291.7	272.7	39.5	604.0									
Subtotal (Section ECI-1)						49347	1069.2	128.5	2.27	291.7	272.7	39.5	604.0		1069.2	49347	128.5	2.27	291.7	312.3	604.0	15,247
Penryn	24	Penryn	225	2860	5598	8458	280.8	22.0	2.42	53.3	55.4	6.1	114.8									
Broom	30A01	Penryn	225	204	5476	5680	68.4	14.8	2.55	37.8	59.8	4.0	101.6									
Subtotal (Section ECI-2)						14138	349.2	36.8	4.98	91.1	115.3	10.0	216.4		1418.4	63485	165.3	2.17	358.7	437.6	796.3	19,782
Humber	25	Humber	250	427	144	571	56.2	1.7	3.16	5.2	90.0	4.6	99.8									
Subtotal (Section ECI-3)						571	56.2	1.7	3.16	5.2	90.0	4.6	99.8		1474.6	64056	167.0	2.17	361.7	532.1	893.9	20,142
Rutland	26	Rutland	250	781	0	781	78.4	2.3	3.09	7.0	90.0	1.9	98.9									
Subtotal (Section ECI-4)						781	78.4	2.3	3.09	7.0	90.0	1.9	98.9		1553.0	64837	169.2	2.16	365.8	624.0	989.9	20,641
Estevan	27	ECIMH029	250	1679	110	1789	72.7	5.2	2.90	15.0	71.6	3.2	89.8									
Dalhousie	28	ECIMH029	250	811	0	811	29.4	2.3	3.09	7.2	28.9	1.3	37.5									
Subtotal (Section ECI-5)						2600	102.1	7.5	2.22	100.5	4.5	127.2		1655.1	67437	176.8	2.15	379.4	729.0	1108.4	21,687	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream																2642.5	112166	298.1	1.96	584.2	2513.3	3097.5	36,000
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Richmond	34	ECIMH005	225	10110	1866	11976	227.6	31.2	2.30	71.8	546.0	15.1	632.8									
Subtotal (Section ECI-7)						11976	227.6	31.2	2.30	71.8	546.0	15.1	632.8		2870.1	124142	329.3	1.92	633.8	3074.4	3708.2	39,577
Hartley/Hollywood	35	ECIMH001	250	395	0	395	67.5	1.1	3.22	3.7	161.9	4.5	170.1									
Subtotal (Section NETC-1)						395	67.5	1.1	3.22	3.7	161.9	4.5	170.1		2937.6	124537	330.5	1.92	635.6	3240.8	3876.4	39,938
Bushby	37	NECMH010	225	1421	8	1429	45.1	3.7	2.96	11.0	76.6	5.1	92.8									
Subtotal (Section NETC-2)						1429	45.1	3.7	2.96	11.0	76.6	5.1	92.8		2982.7	125966	334.2	1.92	641.5	3322.6	3964.1	40,434
Clover	38	NECMH003	225	49629	38469	88099	846.6	229.4	1.64	375.5	1438.8	96.2	1910.5									
Subtotal (Section NETC-3)						88099	846.6	229.4	1.64	375.5	1438.8	96.2	1910.5									

NET/ECI Estimated Wastewater Flows
Year = 2065, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1765	0	1765	40.6	4.6	2.90	13.3	114.3	2.3	129.9								
Subtotal (Section NETB-1)						1765	40.6	4.6	2.90	13.3	114.3	2.3	129.9	40.6	1765	4.6	2.90	13.3	116.5	129.9	555
Trent	39A02	NEBMH062	225	2713	1655	4368	58.8	11.4	2.64	30.0	165.5	3.3	198.8								
Trent	39A03	NEBMH059	225	593	126	719	12.4	1.9	3.11	5.8	34.9	0.7	41.4								
Subtotal (Section NETB-2)						5088	71.2	13.2	35.8	200.4	4.0	240.2	111.8	6853	17.8	3.12	55.6	320.9	376.5	1,975	
Trent	39C03	NEBMH054	225	2219	193	2412	39.7	6.3	2.82	17.7	86.3	1.0	105.0								
Subtotal (Section NETB-3)						2412	39.7	6.3	2.82	17.7	86.3	1.0	105.0	151.5	9265	24.1	2.99	72.1	408.2	480.3	2,672
Trent	39B01	NEBMH050	225	6407	457	6864	102.7	17.9	2.49	44.5	318.5	19.4	382.5								
Trent	39B02	NEBMH050	225	2031	131	2162	47.2	5.6	2.85	16.0	146.4	8.9	171.3								
Trent	39C02	NEBMH049	225	1136	0	1136	20.4	3.0	3.01	8.9	44.3	0.5	53.8								
Trent	39C04	NEBMH041	225	368	586	954	12.5	2.5	3.05	7.6	27.2	0.3	35.1								
Subtotal (Section NETB-4)						11115	182.8	28.9	77.1	536.4	29.2	642.7	334.3	20381	53.1	2.64	140.3	973.8	1114.1	5,881	
Trent	39C01	NEBMH035	225	6517	959	7476	93.5	19.5	2.46	48.0	203.2	2.4	253.6								
Broom	30A02	NEBMH033	250	2461	399	2861	145.5	8.3	2.77	22.9	152.9	8.5	184.2								
Broom	30B01	NEBMH032	250	336	0	336	11.5	1.0	3.25	3.2	6.9	0.7	10.7								
Broom	30B02	NEBMH030	250	334	50	384	6.4	1.1	3.22	3.6	3.8	0.4	7.8								
Subtotal (Section NETB-5)						11056	256.9	28.8	77.6	366.9	11.9	456.4	591.2	31436	82.9	2.46	203.7	1352.6	1556.3	9,454	
Broom	30B03	NEBMH028	250	760	451	1211	20.8	3.5	3.00	10.5	12.5	1.2	24.2								
Broom	30B04	NEBMH027	250	0	538	538	5.5	1.6	3.17	4.9	3.3	0.3	8.6								
Broom	30B05	NEBMH026	250	235	120	355	8.5	1.0	3.24	3.3	5.1	0.5	8.9								
Broom	30B06	NEBMH026	250	247	4	251	4.1	0.7	3.29	2.4	2.5	0.2	5.1								
Broom	30B07	NEBMH025	250	86	0	86	2.4	0.2	3.41	0.8	1.4	0.1	2.4								
Subtotal (Section NETB-6)						2441	41.3	7.1	22.0	24.8	2.4	49.2	632.5	33877	90.0	2.43	218.2	1379.8	1598.0	10,224	
Broom	30B09	NEBMH024	250	2348	296	2643	65.2	7.6	2.79	21.3	39.2	3.8	64.3								
Broom	30B08	NEBMH022	250	132	0	132	4.2	0.4	3.37	1.3	2.5	0.2	4.1								
Broom	30B10	NEBMH020	250	45	9	54	3.5	0.2	3.45	0.5	2.1	0.2	2.8								
Broom	30B11	NEBMH020	250	71	0	71	2.1	0.2	3.43	0.7	1.3	0.1	2.1								
Windsor	31A	NEBMH017	250	125	0	125	4.6	0.4	3.37	1.2	2.9	0.3	4.2								
Subtotal (Section NETB-7)						3025	79.6	8.8	25.1	24.8	2.4	49.2	712.1	36902	98.7	2.39	235.9	1432.3	1668.2	11,289	
Esplanade	29	NEBMH014	250	365	69	434	15.4	1.3	3.20	4.0	16.2	0.9	21.1								
Subtotal (Section NETB-8)						434	15.4	1.3	3.20	4.0	16.2	0.9	21.1	727.5	37336	100.0	2.38	238.4	1449.4	1687.8	11,457
Windsor	31B	NEBMH003	250	1744	225	1969	57.2	5.7	2.87	16.4	34.4	3.3	54.1								
Currie	32	NEBMH001	250	5135	289	5425	202.7	15.7	2.57	40.3	543.9	19.8	604.0								
Subtotal (Section NETB-9)						7394	259.9	21.4	56.7	578.3	23.1	658.1	987.4	44730	121.4	2.31	280.3	2050.8	2331.1	14,313	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	31360	17987	49347	1069.2	128.5	2.27	291.7	321.2	39.5	652.5								
Subtotal (Section ECI-1)						49347	1069.2	128.5	2.27	291.7	321.2	39.5	652.5	1069.2	49347	128.5	2.27	291.7	360.8	652.5	15,247
Penryn	24	Penryn	225	2860	5598	8458	280.8	22.0	2.42	53.3	68.1	6.1	127.5								
Broom	30A01	Penryn	225	204	5476	5680	68.4	14.8	2.55	37.8	71.9	4.0	113.6								
Subtotal (Section ECI-2)						14138	349.2	36.8	4.98	91.1	140.0	10.0	241.1	1418.4	63485	165.3	2.17	358.7	510.7	869.5	19,782
Humber	25	Humber	250	427	144	571	56.2	1.7	3.16	5.2	90.0	4.6	99.8								
Subtotal (Section ECI-3)						571	56.2	1.7	3.16	5.2	90.0	4.6	99.8	1474.6	64056	167.0	2.17	361.7	605.3	967.0	20,142
Rutland	26	Rutland	250	781	0	781	78.4	2.3	3.09	7.0	90.0	1.9	98.9								
Subtotal (Section ECI-4)						781	78.4	2.3	3.09	7.0	90.0	1.9	98.9	1553.0	64837	169.2	2.16	365.8	697.2	1063.1	20,641
Estevan	27	ECIMH029	250	1679	110	1789	72.7	5.2	2.90	15.0	78.6	3.2	96.8								
Dalhousie	28	ECIMH029	250	811	0	811	29.4	2.3	3.09	7.2	31.8	1.3	40.3								
Subtotal (Section ECI-5)						2600	102.1	7.5	22.2	110.4	4.5	137.1	1655.1	67437	176.8	2.15	379.4	812.1	1191.5	21,687	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	112166	298.1	1.96	584.2	2862.9	3447.0	36,000

Richmond	34	ECIMH005	225	10110	1866	11976	227.6	31.2	2.30	71.8	631.8	15.1	718.6								
Subtotal (Section ECI-7)						11976	227.6	31.2	2.30	71.8	631.8	15.1	718.6	2870.1	124142	329.3	1.92	633.8	3509.7	4143.5	39,577
Hartley/Hollywood	35	ECIMH001	250	395	0	395	67.5	1.1	3.22	3.7	187.4	4.5	195.5								
Subtotal (Section NETC-1)						395	67.5	1.1	3.22	3.7	187.4	4.5	195.5	2937.6	124537	330.5	1.92	635.6	3701.5	4337.2	39,938
Bushby	37	NECMH010	225	1421	8	1429	45.1	3.7	2.96	11.0	87.1	5.1	103.2								
Subtotal (Section NETC-2)						1429	45.1	3.7	2.96	11.0	87.1	5.1	103.2	2982.7	125966	334.2	1.92	641.5	3793.7	4435.2	40,434
Clover	38	NECMH003	225	49629	38469	88099	846.6	229.4	1.64	375.5	1634.4	96.2	2106.1								
Subtotal (Section NETC-3)						88099	846.6	229.4	1.64	375.5	1634.4	96.2	2106.1	3829.3	214065	563.6	1.75	987.1	5524.4	6511.5	63,537

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)	
Trent	39A01	NEBMH066	225	1765	0	1765	40.6	4.6	2.90	13.3	143.6	2.3	159.2									
Subtotal (Section NETB-1)						1765	40.6	4.6	2.90	13.3	143.6	2.3	159.2	40.6	1765	4.6	2.90	13.3	145.8	159.2	555	
Trent	39A02	NEBMH062	225	2713	1655	4368	58.8	11.4	2.64	30.0	207.9	3.3	241.2									
Trent	39A03	NEBMH059	225	593	126	719	12.4	1.9	3.11	5.8	43.8	0.7	50.4									
Subtotal (Section NETB-2)						5088	71.2	13.2		35.8	251.8	4.0	291.6	111.8	6853	17.8	3.12	55.6	401.6	457.2	1,975	
Trent	39C03	NEBMH054	225	2219	193	2412	39.7	6.3	2.82	17.7	103.7	1.0	122.5									
Subtotal (Section NETB-3)						2412	39.7	6.3		2.82	17.7	103.7	1.0	122.5	151.5	9265	24.1	2.99	72.1	506.3	578.4	2,672
Trent	39B01	NEBMH050	225	6407	457	6864	102.7	17.9	2.49	44.5	369.6	19.4	433.5									
Trent	39B02	NEBMH050	225	2031	131	2162	47.2	5.6	2.85	16.0	169.9	8.9	194.8									
Trent	39C02	NEBMH049	225	1136	0	1136	20.4	3.0	3.01	8.9	63.3	0.5	62.7									
Trent	39C04	NEBMH041	225	368	586	954	12.5	2.5	3.05	7.6	32.7	0.3	40.6									
Subtotal (Section NETB-4)						11115	182.8	28.9		77.1	625.4	29.2	731.6	334.3	20381	53.1	2.64	140.3	1160.9	1301.3	5,881	
Trent	39C01	NEBMH035	225	6517	959	7476	93.5	19.5	2.46	48.0	244.3	2.4	294.7									
Broom	30A02	NEBMH033	250	2461	399	2861	145.5	8.3	2.77	22.9	190.9	8.5	222.2									
Broom	30B01	NEBMH032	250	336	0	336	11.5	1.0	3.25	3.2	7.9	0.7	11.7									
Broom	30B02	NEBMH030	250	334	50	384	6.4	1.1	3.22	3.6	4.4	0.4	8.3									
Subtotal (Section NETB-5)						11056	256.9	28.8		77.6	447.4	11.9	536.9	591.2	31436	82.9	2.46	203.7	1620.3	1824.0	9,454	
Broom	30B03	NEBMH028	250	760	451	1211	20.8	3.5	3.00	10.5	14.2	1.2	25.9									
Broom	30B04	NEBMH027	250	0	538	538	5.5	1.6	3.17	4.9	3.8	0.3	9.0									
Broom	30B05	NEBMH026	250	235	120	355	8.5	1.0	3.24	3.3	5.8	0.5	9.6									
Broom	30B06	NEBMH026	250	247	4	251	4.1	0.7	3.29	2.4	2.8	0.2	5.4									
Broom	30B07	NEBMH025	250	86	0	86	2.4	0.2	3.41	0.8	1.6	0.1	2.6									
Subtotal (Section NETB-6)						2441	41.3	7.1		22.0	28.2	2.4	52.6	632.5	33877	90.0	2.43	218.2	1650.9	1869.1	10,224	
Broom	30B09	NEBMH024	250	2348	296	2643	65.2	7.6	2.79	21.3	44.6	3.8	69.7									
Broom	30B08	NEBMH022	250	132	0	132	4.2	0.4	3.37	1.3	2.9	0.2	4.4									
Broom	30B10	NEBMH020	250	45	9	54	3.5	0.2	3.45	0.5	2.4	0.2	3.1									
Broom	30B11	NEBMH020	250	71	0	71	2.1	0.2	3.43	0.7	1.4	0.1	2.3									
Windsor	31A	NEBMH017	250	125	0	125	4.6	0.4	3.37	1.2	3.1	0.3	4.6									
Subtotal (Section NETB-7)						3025	79.6	8.8		25.1	54.4	4.6	84.1	712.1	36902	98.7	2.39	235.9	1709.9	1945.8	11,289	
Esplanade	29	NEBMH014	250	365	69	434	15.4	1.3	3.20	4.0	20.2	0.9	25.1									
Subtotal (Section NETB-8)						434	15.4	1.3		3.20	4.0	20.2	9.9	25.1	727.5	37336	100.0	2.38	238.4	1731.0	1969.4	11,457
Windsor	31B	NEBMH003	250	1744	225	1969	57.2	5.7	2.87	16.4	39.1	3.3	58.8									
Currie	32	NEBMH001	250	5135	289	5425	202.7	15.7	2.57	40.3	652.1	19.8	712.2									
Subtotal (Section NETB-9)						7394	259.9	21.4		56.7	691.2	23.1	771.0	987.4	44730	121.4	2.31	280.3	2445.4	2725.7	14,313	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	31360	17987	49347	1069.2	128.5	2.27	291.7	392.9	39.5	724.1								
Subtotal (Section ECI-1)						49347	1069.2	128.5	2.27	291.7	392.9	39.5	724.1	1069.2	49347	128.5	2.27	291.7	432.4	724.1	15,247
Penryn	24	Penryn	225	2860	5598	8458	280.8	22.0	2.42	53.3	86.8	6.1	146.2								
Broom	30A01	Penryn	225	204	5476	5680	68.4	14.8	2.55	37.8	89.7	4.0	131.5								
Subtotal (Section ECI-2)						14138	349.2	36.8	4.98	91.1	176.5	10.0	277.7	1418.4	63485	165.3	2.17	358.7	618.9	977.7	19,782
Humber	25	Humber	250	427	144	571	56.2	1.7	3.16	5.2	90.0	4.6	99.8								
Subtotal (Section ECI-3)						571	56.2	1.7	3.16	5.2	90.0	4.6	99.8	1474.6	64056	167.0	2.17	361.7	713.5	1075.2	20,142
Rutland	26	Rutland	250	781	0	781	78.4	2.3	3.09	7.0	90.0	1.9	98.9								
Subtotal (Section ECI-4)						781	78.4	2.3	3.09	7.0	90.0	1.9	98.9	1553.0	64837	169.2	2.16	365.8	805.4	1171.2	20,641
Estevan	27	ECIMH029	250	1679	110	1789	72.7	5.2	2.90	15.0	88.9	3.2	107.1								
Dalhousie	28	ECIMH029	250	811	0	811	29.4	2.3	3.09	7.2	36.0	1.3	44.5								
Subtotal (Section ECI-5)						2600	102.1	7.5		22.2	124.9	4.5	151.6	1655.1	67437	176.8	2.15	379.4	934.8	1314.2	21,687
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	112166	298.1	1.96	584.2	3380.1	3964.3	36,000

Richmond	34	ECIMH005	225	10110	1866	11976	227.6	31.2	2.30	71.8	758.3	15.1	845.2								
Subtotal (Section ECI-7)						11976	227.6	31.2	2.30	71.8	758.3	15.1	845.2	2870.1	124142	329.3	1.92	633.8	4153.5	4787.3	39,577
Hartley/Hollywood	35	ECIMH001	250	395	0	395	67.5	1.1	3.22	3.7	224.9	4.5	233.0								
Subtotal (Section ECI-8)						395	67.5	1.1	3.22	3.7	224.9	4.5	233.0	2937.6	124537	330.5	1.92	635.6	4382.9	5018.5	39,938
Bushby	37	NECMH010	225	1421	8	1429	45.1	3.7	2.96	11.0	102.5	5.1	118.6								
Subtotal (Section ECI-9)						1429	45.1	3.7	2.96	11.0	102.5	5.1	118.6	2982.7	125966	334.2	1.92	641.5	4490.5	5132.0	40,434
Clover	38	NECMH003	225	49629	38469	88099	846.6	229.4	1.64	375.5	1923.3	96.2	2395.1								
Subtotal (Section ECI-10)						88099	846.6	229.4	1.64	375.5	1923.3	96.2	2395.1	3829.3	214065	563.6	1.75	987.1	6510.0	7497.2	63,537

NET-C Ends at Clover Point Pump Station

Appendix B

NWT-W Design Flows using Current Water Use Rates

NWT-W Estimated Wastewater Flows
Year = 2005, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	21.7	49.1									
Subtotal (Section NWT-W1)							3927	135.8	10.2	27.3	21.7	49.1	135.8	3927	10.2	2.67	27.3	21.7	49.1	1,022	
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	37.1	94.2									
Subtotal (Section NWT-W2)							9162	231.2	23.9	57.1	37.1	94.2	231.2	9162	23.9	2.39	57.1	37.1	94.2	2,297	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.04	3.52	0.13	0.02	0.1	367.2	13103	34.1	2.27	77.5	58.8	136.3	3,322
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.3	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	9.7	35.6									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.4	3.4									
Subtotal (Section NWT-W4)							4519	79.1	11.77	32.7	11.4	44.1	446.2	17622	45.9	2.17	99.4	70.2	169.6	4,419	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	45.0	56.5									
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	3.6	13.7									
Subtotal (Section NET-W5)							2804	91	7.3	21.6	48.6	70.2	537.2	20426	53.2	2.11	112.5	118.8	231.3	5,143	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	2.8	11.2									
Subtotal (Section NET-W6)							1063	19.8	2.8	8.4	2.8	11.2	557.0	21489	56.0	2.10	117.3	121.7	239.0	5,402	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	5.3	14.2									
Subtotal (Section NET-W7,8)							1129	22.3	2.9	8.9	5.3	14.2	579.3	22617	58.9	2.08	122.5	127.0	249.4	5,679	
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	47.2	81.4									
Subtotal (Section NETW-9)							5063	198.9	13.2	34.2	47.2	81.4	778.2	27680	72.1	2.01	144.8	174.2	319.0	7,020	
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	20.5	39.1									
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	6.0	10.7									
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	26.4	52.7									
Subtotal (Section NETW-10,11, Craigflower PS)							6873	222.8	17.9	8.64	49.5	102.4	1001.0	34554	90.0	1.93	174.0	227.1	401.1	8,794	
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	77.0	111.2									
Subtotal (Section NET-W12)							5075	97	13.2	34.2	77.0	111.2	1098.0	39629	103.2	1.89	194.8	304.1	498.9	10,034	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	75.0	107.6									
Subtotal (Section NET-W13)							4791	95	12.5	32.6	75.0	107.6	1193.0	44419	115.7	1.85	214.0	379.1	593.1	11,209	
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	50.0	61.1									
Subtotal (Section NET-W14)							1447	46	3.8	11.1	50.0	61.1	1239.0	45866	119.4	1.84	219.7	429.1	648.8	11,581	

NWT-W Estimated Wastewater Flows
Year = 2005, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	24.9	52.2									
Subtotal (Section NWT-W1)																					
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	42.5	99.6									
Subtotal (Section NWT-W2)																					
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.2									
Subtotal (Section NWT-W3)																					
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	10.5	36.5									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.5	3.5									
Subtotal (Section NWT-W4)																					
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	59.0	70.5									
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	3.9	14.1									
Subtotal (Section NET-W5)																					
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.1	11.5									
Subtotal (Section NET-W6)																					
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	5.7	14.6									
Subtotal (Section NET-W7,8)																					
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	50.8	85.0									
Subtotal (Section NETW-9)																					
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	22.0	40.6									
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	6.5	11.1									
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	28.4	54.7									
Subtotal (Section NETW-10,11, Craigflower PS)																					
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	92.0	126.2									
Subtotal (Section NET-W12)																					
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	90.0	122.6									
Subtotal (Section NET-W13)																					
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	63.0	74.1									
Subtotal (Section NET-W14)																					

NWT-W Estimated Wastewater Flows
Year = 2005, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	27.4	54.7								
Subtotal (Section NWT-W1)																				
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	46.6	103.8								
Subtotal (Section NWT-W2)																				
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)																				
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	11.4	37.4								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.6	3.6								
Subtotal (Section NWT-W4)																				
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	67.0	78.5								
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	4.3	14.4								
Subtotal (Section NET-W5)																				
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.4	11.7								
Subtotal (Section NET-W6)																				
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	6.0	14.9								
Subtotal (Section NET-W7,8)																				
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	53.9	88.1								
Subtotal (Section NETW-9)																				
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	23.4	42.0								
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	6.9	11.5								
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	30.2	56.4								
Subtotal (Section NETW-10,11, Craigflower PS)																				
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	100.0	134.2								
Subtotal (Section NET-W12)																				
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	98.0	130.6								
Subtotal (Section NET-W13)																				
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	71.0	82.1								
Subtotal (Section NET-W14)																				

NWT-W Estimated Wastewater Flows
Year = 2005, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	29.9	57.2								
Subtotal (Section NWT-W1)						3927	135.8	10.2		27.3	29.9	57.2	135.8	3927	10.2	2.67	27.3	29.9	57.2	1,022
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	50.9	108.0								
Subtotal (Section NWT-W2)						9162	231.2	23.9		57.1	50.9	108.0	231.2	9162	23.9	2.39	57.1	50.9	108.0	2,297
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.2	0.04		0.13	0.03	0.2	367.2	13103	34.1	2.27	77.5	80.8	158.3	3,322
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	11.8	37.8								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.7	3.7								
Subtotal (Section NWT-W4)						4519	79.1	11.77		32.7	13.9	46.6	446.2	17622	45.9	2.17	99.4	94.7	194.1	4,419
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	77.0	88.5								
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	4.4	14.5								
Subtotal (Section NET-W5)						2804	91	7.3		21.6	81.4	103.0	537.2	20426	53.2	2.11	112.5	176.1	288.6	5,143
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.5	11.9								
Subtotal (Section NET-W6)						1063	19.8	2.8		8.4	3.5	11.9	557.0	21489	56.0	2.10	117.3	179.6	297.0	5,402
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	6.4	15.3								
Subtotal (Section NET-W7,8)						1129	22.3	2.9		8.9	6.4	15.3	579.3	22617	58.9	2.08	122.5	186.0	308.5	5,679
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	57.1	91.3								
Subtotal (Section NETW-9)						5063	198.9	13.2		34.2	57.1	91.3	778.2	27680	72.1	2.01	144.8	243.1	387.9	7,020
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	24.7	43.3								
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	7.3	11.9								
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	31.9	58.2								
Subtotal (Section NETW-10,11, Craigflower PS)						6873	222.8	17.9	8.64	49.5	63.9	113.5	1001.0	34554	90.0	1.93	174.0	307.0	481.0	8,794
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	119.0	153.2								
Subtotal (Section NET-W12)						5075	97	13.2		34.2	119.0	153.2	1098.0	39629	103.2	1.89	194.8	426.0	620.9	10,034
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	116.0	148.6								
Subtotal (Section NET-W13)						4791	95	12.5		32.6	116.0	148.6	1193.0	44419	115.7	1.85	214.0	542.0	756.1	11,209
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	81.0	92.1								
Subtotal (Section NET-W14)						1447	46	3.8		11.1	81.0	92.1	1239.0	45866	119.4	1.84	219.7	623.0	842.8	11,581

NWT-W Estimated Wastewater Flows
Year = 2005, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	33.4	60.7								
Subtotal (Section NWT-W1)													135.8	3927	10.2	2.67	27.3	33.4	60.7	1,022
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	57.0	114.1								
Subtotal (Section NWT-W2)													231.2	9162	23.9	2.39	57.1	57.0	114.1	2,297
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)													367.2	13103	34.1	2.27	77.5	90.4	167.9	3,322
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.2								
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	12.7	38.7								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.8	3.8								
Subtotal (Section NWT-W4)													446.2	17622	45.9	2.17	99.4	105.3	204.7	4,419
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	92.0	103.5								
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	4.8	14.9								
Subtotal (Section NET-W5)													537.2	20426	53.2	2.11	112.5	202.1	314.5	5,143
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.7	12.1								
Subtotal (Section NET-W6)													557.0	21489	56.0	2.10	117.3	205.8	323.1	5,402
View Royal	I/U/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	7.0	15.8								
Subtotal (Section NET-W7,8)													579.3	22617	58.9	2.08	122.5	212.8	335.2	5,679
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	62.0	96.2								
Subtotal (Section NETW-9)													778.2	27680	72.1	2.01	144.8	274.8	419.6	7,020
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	26.9	45.5								
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	7.9	12.6								
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	34.7	61.0								
Subtotal (Section NETW-10,11, Craigflower PS)													1001.0	34554	90.0	1.93	174.0	344.2	518.2	8,794
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	139.0	173.2								
Subtotal (Section NET-W12)													1098.0	39629	103.2	1.89	194.8	483.2	678.0	10,034
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	136.0	168.6								
Subtotal (Section NET-W13)													1193.0	44419	115.7	1.85	214.0	619.2	833.2	11,209
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	95.0	106.1								
Subtotal (Section NET-W14)													1239.0	45866	119.4	1.84	219.7	714.2	934.0	11,581

NWT-W Estimated Wastewater Flows
Year = 2015, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	7143	3796	10939	395.0	28.5	2.33	66.5	59.0	125.4									
Subtotal (Section NWT-W1)							10939	395.0	28.5	66.5	59.0	125.4	395.0	10939	28.5	2.33	66.5	59.0	125.4	2,863	
Langford	Langford North	15-S135-3-SMH6	225	17845	9483	27328	630.0	71.2	2.01	143.3	94.4	237.7									
Subtotal (Section NWT-W2)							27328	630.0	71.2	143.3	94.4	237.7	630.0	27328	71.2	2.01	143.3	94.4	237.7	6,790	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.15	0.04	3.52	0.13	0.02	0.1	1025.2	38281	99.7	1.90	189.4	153.4	342.7	9,657
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.3	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	7559	677	8236	138.0	21.4	2.43	52.1	19.8	72.0									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.4	3.4									
Subtotal (Section NWT-W4)							9048	149.8	23.56	58.9	21.5	80.4	1174.9	47329	123.3	1.83	225.5	174.9	400.4	11,845	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	45.0	56.5									
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	8.8	39.7									
Subtotal (Section NET-W5)							6026	126.8	15.7	42.5	53.8	96.2	1301.7	53355	138.9	1.79	248.8	228.7	477.5	13,330	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	4.1	17.8									
Subtotal (Section NET-W6)							1828	28.3	4.8	13.8	4.1	17.8	1330.0	55183	143.7	1.78	255.8	232.7	488.5	13,770	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	141	1005	1146	22.3	3.0	3.01	9.0	5.3	14.3									
Subtotal (Section NET-W7,8)							1146	22.3	3.0	9.0	5.3	14.3	1352.3	56329	146.7	1.77	260.2	238.0	498.2	14,051	
View Royal	View Royal PS	15-S113-1-SMH3	225	4140	1831	5971	211.9	15.5	2.54	39.5	49.1	88.6									
Subtotal (Section NETW-9)							5971	211.9	15.5	39.5	49.1	88.6	1564.2	62300	162.2	1.74	282.6	287.1	569.7	15,610	
View Royal	Hospital Trunk	Craigflower PS	225	1832	944	2776	86.2	7.2	2.78	20.1	20.5	40.5									
View Royal	Southern	Craigflower PS	225	332	275	607	25.4	1.6	3.14	5.0	6.0	11.0									
View Royal	Shoreline Trunk	Craigflower PS	225	3563	638	4201	111.2	10.9	2.65	29.0	26.4	55.4									
Subtotal (Section NETW-10,11, Craigflower PS)							7585	222.8	19.8	8.57	54.1	107.0	1787.0	69885	182.0	1.71	310.5	340.0	650.5	17,543	
Esquimalt	Lang Cove	Lang Cove PS	225	4126	1275	5401	97	14.1	2.57	36.2	77.0	113.2									
Subtotal (Section NET-W12)							5401	97	14.1	36.2	77.0	113.2	1884.0	75285	196.1	1.68	330.1	417.0	747.1	18,857	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1728	3600	5328	95	13.9	2.58	35.7	75.0	110.7									
Subtotal (Section NET-W13)							5328	95	13.9	35.7	75.0	110.7	1979.0	80613	209.9	1.66	349.1	492.0	841.1	20,153	
Esquimalt	Kinver	Kinver Connection	225	1500	0	1500	46	3.9	2.94	11.5	50.0	61.5									
Subtotal (Section NET-W14)							1500	46	3.9	11.5	50.0	61.5	2025.0	82113	213.8	1.66	354.4	542.0	896.5	20,537	

NWT-W Estimated Wastewater Flows
Year = 2015, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	7143	3796	10939	395.0	28.5	2.33	66.5	65.5	131.9									
Subtotal (Section NWT-W1)							10939	395.0	28.5	66.5	65.5	131.9	395.0	10939	28.5	2.33	66.5	65.5	131.9	2,863	
Langford	Langford North	15-S135-3-SMH6	225	17845	9483	27328	630.0	71.2	2.01	143.3	104.9	248.2									
Subtotal (Section NWT-W2)							27328	630.0	71.2	143.3	104.9	248.2	630.0	27328	71.2	2.01	143.3	104.9	248.2	6,790	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.2									
Subtotal (Section NWT-W3)							14	0.15	0.04	3.52	0.13	0.02	0.2	1025.2	38281	99.7	1.90	189.4	170.4	359.8	9,657
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	7559	677	8236	138.0	21.4	2.43	52.1	21.6	73.7									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.5	3.5									
Subtotal (Section NWT-W4)							9048	149.8	23.6	58.9	23.4	82.3	1174.9	47329	123.3	1.83	225.5	193.9	419.3	11,845	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	59.0	70.5									
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	9.5	40.5									
Subtotal (Section NET-W5)							6026	126.8	15.7	42.5	68.5	111.0	1301.7	53355	138.9	1.79	248.8	262.4	511.2	13,330	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	4.4	18.2									
Subtotal (Section NET-W6)							1828	28.3	4.8	13.8	4.4	18.2	1330.0	55183	143.7	1.78	255.8	266.8	522.6	13,770	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	141	1005	1146	22.3	3.0	3.01	9.0	5.7	14.7									
Subtotal (Section NET-W7,8)							1146	22.3	3.0	9.0	5.7	14.7	1352.3	56329	146.7	1.77	260.2	272.5	532.7	14,051	
View Royal	View Royal PS	15-S113-1-SMH3	225	4140	1831	5971	211.9	15.5	2.54	39.5	52.8	92.3									
Subtotal (Section NETW-9)							5971	211.9	15.5	39.5	52.8	92.3	1564.2	62300	162.2	1.74	282.6	325.4	608.0	15,610	
View Royal	Hospital Trunk	Craigflower PS	225	1832	944	2776	86.2	7.2	2.78	20.1	22.0	42.1									
View Royal	Southern	Craigflower PS	225	332	275	607	25.4	1.6	3.14	5.0	6.5	11.5									
View Royal	Shoreline Trunk	Craigflower PS	225	3563	638	4201	111.2	10.9	2.65	29.0	28.4	57.4									
Subtotal (Section NETW-10,11, Craigflower PS)							7585	222.8	19.8	8.57	54.1	56.9	1787.0	69885	182.0	1.71	310.5	382.3	692.8	17,543	
Esquimalt	Lang Cove	Lang Cove PS	225	4126	1275	5401	97	14.1	2.57	36.2	92.0	128.2									
Subtotal (Section NET-W12)							5401	97	14.1	36.2	92.0	128.2	1884.0	75285	196.1	1.68	330.1	474.3	804.3	18,857	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1728	3600	5328	95	13.9	2.58	35.7	90.0	125.7									
Subtotal (Section NET-W13)							5328	95	13.9	35.7	90.0	125.7	1979.0	80613	209.9	1.66	349.1	564.3	913.4	20,153	
Esquimalt	Kinver	Kinver Connection	225	1500	0	1500	46	3.9	2.94	11.5	63.0	74.5									
Subtotal (Section NET-W14)							1500	46	3.9	11.5	63.0	74.5	2025.0	82113	213.8	1.66	354.4	627.3	981.7	20,537	

NWT-W Estimated Wastewater Flows
Year = 2015, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	7143	3796	10939	395.0	28.5	2.33	66.5	71.2	137.7								
Subtotal (Section NWT-W1)				17845	9483	10939	395.0	28.5		66.5	71.2	137.7	395.0	10939	28.5	2.33	66.5	71.2	137.7	2,863
Langford	Langford North	15-S135-3-SMH6	225	17845	9483	27328	630.0	71.2	2.01	143.3	114.2	257.5								
Subtotal (Section NWT-W2)						27328	630.0	71.2		143.3	114.2	257.5	630.0	27328	71.2	2.01	143.3	114.2	257.5	6,790
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.15	0.04		0.13	0.03	0.2	1025.2	38281	99.7	1.90	189.4	185.4	374.8	9,657
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	225	7559	677	8236	138.0	21.4	2.43	52.1	23.4	75.5								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.6	3.6								
Subtotal (Section NWT-W4)						9048	149.8	23.6		58.9	25.4	84.2	1174.9	47329	123.3	1.83	225.5	210.8	436.3	11,845
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	67.0	78.5								
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	10.3	41.3								
Subtotal (Section NET-W5)						6026	126.8	15.7		42.5	77.3	119.8	1301.7	53355	138.9	1.79	248.8	288.1	537.0	13,330
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	4.8	18.6								
Subtotal (Section NET-W6)						1828	28.3	4.8		13.8	4.8	18.6	1330.0	55183	143.7	1.78	255.8	292.9	548.7	13,770
View Royal	I/S of Parsons	15-S117-1-SMH1	225	141	1005	1146	22.3	3.0	3.01	9.0	6.0	15.0								
Subtotal (Section NET-W7,8)						1146	22.3	3.0		9.0	6.0	15.0	1352.3	56329	146.7	1.77	260.2	299.0	559.1	14,051
View Royal	View Royal PS	15-S113-1-SMH3	225	4140	1831	5971	211.9	15.5	2.54	39.5	56.1	95.6								
Subtotal (Section NETW-9)						5971	211.9	15.5		39.5	56.1	95.6	1564.2	62300	162.2	1.74	282.6	355.1	637.7	15,610
View Royal	Hospital Trunk	Craigflower PS	225	1832	944	2776	86.2	7.2	2.78	20.1	23.4	43.5								
View Royal	Southern	Craigflower PS	225	332	607	25.4	1.6	3.14	5.0	6.9	11.9									
View Royal	Shoreline Trunk	Craigflower PS	225	3563	638	4201	111.2	10.9	2.65	29.0	30.2	59.2								
Subtotal (Section NETW-10,11, Craigflower PS)						7585	222.8	19.8	8.57	54.1	60.4	114.5	1787.0	69885	182.0	1.71	310.5	415.5	726.1	17,543
Esquimalt	Lang Cove	Lang Cove PS	225	4126	1275	5401	97	14.1	2.57	36.2	100.0	136.2								
Subtotal (Section NET-W12)						5401	97	14.1		36.2	100.0	136.2	1884.0	75285	196.1	1.68	330.1	515.5	845.6	18,857
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1728	3600	5328	95	13.9	2.58	35.7	98.0	133.7								
Subtotal (Section NET-W13)						5328	95	13.9		35.7	98.0	133.7	1979.0	80613	209.9	1.66	349.1	613.5	962.7	20,153
Esquimalt	Kinver	Kinver Connection	225	1500	0	1500	46	3.9	2.94	11.5	71.0	82.5								
Subtotal (Section NET-W14)						1500	46	3.9		11.5	71.0	82.5	2025.0	82113	213.8	1.66	354.4	684.5	1039.0	20,537

NWT-W Estimated Wastewater Flows
Year = 2015, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	7143	3796	10939	395.0	28.5	2.33	66.5	75.4	141.9								
Subtotal (Section NWT-W1)				17845	9483	10939	395.0	28.5		66.5	75.4	141.9	395.0	10939	28.5	2.33	66.5	75.4	141.9	2,863
Langford	Langford North	15-S135-3-SMH6	225	17845	9483	27328	630.0	71.2	2.01	143.3	121.0	264.3								
Subtotal (Section NWT-W2)						27328	630.0	71.2		143.3	121.0	264.3	630.0	27328	71.2	2.01	143.3	121.0	264.3	6,790
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.15	0.04		0.13	0.03	0.2	1025.2	38281	99.7	1.90	189.4	196.5	385.8	9,657
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	225	7559	677	8236	138.0	21.4	2.43	52.1	24.3	76.4								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.7	3.7								
Subtotal (Section NWT-W4)						9048	149.8	23.6		58.9	26.3	85.2	1174.9	47329	123.3	1.83	225.5	222.8	448.3	11,845
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	77.0	88.5								
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	10.7	41.7								
Subtotal (Section NET-W5)						6026	126.8	15.7		42.5	87.7	130.2	1301.7	53355	138.9	1.79	248.8	310.5	559.3	13,330
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	5.0	18.7								
Subtotal (Section NET-W6)						1828	28.3	4.8		13.8	5.0	18.7	1330.0	55183	143.7	1.78	255.8	315.5	571.3	13,770
View Royal	I/S of Parsons	15-S117-1-SMH1	225	141	1005	1146	22.3	3.0	3.01	9.0	6.4	15.4								
Subtotal (Section NET-W7,8)						1146	22.3	3.0		9.0	6.4	15.4	1352.3	56329	146.7	1.77	260.2	321.9	582.0	14,051
View Royal	View Royal PS	15-S113-1-SMH3	225	4140	1831	5971	211.9	15.5	2.54	39.5	59.4	98.8								
Subtotal (Section NETW-9)						5971	211.9	15.5		39.5	59.4	98.8	1564.2	62300	162.2	1.74	282.6	381.2	663.8	15,610
View Royal	Hospital Trunk	Craigflower PS	225	1832	944	2776	86.2	7.2	2.78	20.1	24.7	44.8								
View Royal	Southern	Craigflower PS	225	332	607	25.4	1.6	3.14	5.0	7.3	12.3									
View Royal	Shoreline Trunk	Craigflower PS	225	3563	638	4201	111.2	10.9	2.65	29.0	31.9	60.9								
Subtotal (Section NETW-10,11, Craigflower PS)						7585	222.8	19.8	8.57	54.1	63.9	118.0	1787.0	69885	182.0	1.71	310.5	445.2	755.7	17,543
Esquimalt	Lang Cove	Lang Cove PS	225	4126	1275	5401	97	14.1	2.57	36.2	119.0	155.2								
Subtotal (Section NET-W12)						5401	97	14.1		36.2	119.0	155.2	1884.0	75285	196.1	1.68	330.1	564.2	894.2	18,857
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1728	3600	5328	95	13.9	2.58	35.7	116.0	151.7								
Subtotal (Section NET-W13)						5328	95	13.9		35.7	116.0	151.7	1979.0	80613	209.9	1.66	349.1	680.2	1029.3	20,153
Esquimalt	Kinver	Kinver Connection	225	1500	0	1500	46	3.9	2.94	11.5	81.0	92.5								
Subtotal (Section NET-W14)						1500	46	3.9		11.5	81.0	92.5	2025.0	82113	213.8	1.66	354.4	761.2	1115.6	20,537

NWT-W Estimated Wastewater Flows
Year = 2015, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	7143	3796	10939	395.0	28.5	2.33	66.5	82.3	148.7								
Subtotal (Section NWT-W1)				17845	9483	10939	395.0	28.5		66.5	82.3	148.7	395.0	10939	28.5	2.33	66.5	82.3	148.7	2,863
Langford	Langford North	15-S135-3-SMH6	225	17845	9483	27328	630.0	71.2	2.01	143.3	132.2	275.5								
Subtotal (Section NWT-W2)						27328	630.0	71.2		143.3	132.2	275.5	630.0	27328	71.2	2.01	143.3	132.2	275.5	6,790
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.15	0.04		0.13	0.03	0.2	1025.2	38281	99.7	1.90	189.4	214.5	403.8	9,657
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.2								
Colwood	600mm connection	15-S132-1-Wye	225	7559	677	8236	138.0	21.4	2.43	52.1	26.0	78.1								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.8	3.8								
Subtotal (Section NWT-W4)						9048	149.8	23.6		58.9	28.2	87.1	1174.9	47329	123.3	1.83	225.5	242.7	468.2	11,845
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	92.0	103.5								
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	11.5	42.5								
Subtotal (Section NET-W5)						6026	126.8	15.7		42.5	103.5	146.0	1301.7	53355	138.9	1.79	248.8	346.2	595.0	13,330
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	5.3	19.1								
Subtotal (Section NET-W6)						1828	28.3	4.8		13.8	5.3	19.1	1330.0	55183	143.7	1.78	255.8	351.6	607.4	13,770
View Royal	I/S of Parsons	15-S117-1-SMH1	225	141	1005	1146	22.3	3.0	3.01	9.0	7.0	15.9								
Subtotal (Section NET-W7,8)						1146	22.3	3.0		9.0	7.0	15.9	1352.3	56329	146.7	1.77	260.2	358.5	618.7	14,051
View Royal	View Royal PS	15-S113-1-SMH3	225	4140	1831	5971	211.9	15.5	2.54	39.5	64.5	103.9								
Subtotal (Section NETW-9)						5971	211.9	15.5		39.5	64.5	103.9	1564.2	62300	162.2	1.74	282.6	423.0	705.6	15,610
View Royal	Hospital Trunk	Craigflower PS	225	1832	944	2776	86.2	7.2	2.78	20.1	26.9	46.9								
View Royal	Southern	Craigflower PS	225	332	607	939	25.4	1.6	3.14	5.0	7.9	12.9								
View Royal	Shoreline Trunk	Craigflower PS	225	3563	638	4201	111.2	10.9	2.65	29.0	34.7	63.7								
Subtotal (Section NETW-10,11, Craigflower PS)						7585	222.8	19.8	8.57	54.1	69.5	123.5	1787.0	69885	182.0	1.71	310.5	492.4	802.9	17,543
Esquimalt	Lang Cove	Lang Cove PS	225	4126	1275	5401	97	14.1	2.57	36.2	139.0	175.2								
Subtotal (Section NET-W12)						5401	97	14.1		36.2	139.0	175.2	1884.0	75285	196.1	1.68	330.1	631.4	961.5	18,857
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1728	3600	5328	95	13.9	2.58	35.7	136.0	171.7								
Subtotal (Section NET-W13)						5328	95	13.9		35.7	136.0	171.7	1979.0	80613	209.9	1.66	349.1	767.4	1116.5	20,153
Esquimalt	Kinver	Kinver Connection	225	1500	0	1500	46	3.9	2.94	11.5	95.0	106.5								
Subtotal (Section NET-W14)						1500	46	3.9		11.5	95.0	106.5	2025.0	82113	213.8	1.66	354.4	862.4	1216.9	20,537

NWT-W Estimated Wastewater Flows
Year = 2030, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	22132	11761	33893	875.0	88.3	1.94	171.3	128.0	299.2									
Subtotal (Section NWT-W1)							33893	875.0	88.3		171.3	128.0	299.2	875.0	33893	88.3	1.94	171.3	128.0	299.2	8,517
Langford	Langford North	15-S135-3-SMH6	225	26540	14104	40644	977.0	105.8	1.88	198.9	144.2	343.2									
Subtotal (Section NWT-W2)							40644	977.0	105.8		198.9	144.2	343.2	977.0	40644	105.8	1.88	198.9	144.2	343.2	10,139
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.04		0.13	0.02	0.1	1852.2	74551	194.1	1.69	327.4	272.2	599.6	18,659
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.3	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	22722	3146	25868	385.5	67.4	2.03	136.9	55.4	192.3									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.4	3.4									
Subtotal (Section NWT-W4)							26680	397.3	69.5		143.7	57.1	200.8	2249.4	101231	263.6	1.60	420.9	329.3	750.2	25,067
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	45.0	56.5									
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	8.8	39.7									
Subtotal (Section NET-W5)							6026	126.8	15.7		42.5	53.8	96.2	2376.2	107257	279.3	1.58	441.4	383.1	824.4	26,552
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	4.1	17.8									
Subtotal (Section NET-W6)							1828	28.3	4.8		13.8	4.1	17.8	2404.5	109085	284.1	1.58	447.5	387.1	834.7	26,992
View Royal	I/S of Parsons	15-S117-1-SMH1	225	1217	1005	2222	33.7	5.8	2.84	16.4	6.9	23.4									
Subtotal (Section NET-W7,8)							2222	33.7	5.8		16.4	6.9	23.4	2438.2	111307	289.9	1.57	455.0	394.1	849.1	27,526
View Royal	View Royal PS	15-S113-1-SMH3	225	4526	7434	11961	265	31.1	2.30	71.7	56.7	128.4									
Subtotal (Section NETW-9)							11961	265	31.1		71.7	56.7	128.4	2703.2	123268	321.0	1.54	494.9	450.8	945.7	30,487
View Royal	Hospital Trunk	Craigflower PS	225	2143	1182	3325	86.2	8.7	2.72	23.6	20.5	44.0									
View Royal	Southern	Craigflower PS	225	389	344	733	25.4	1.9	3.11	5.9	6.0	12.0									
View Royal	Shoreline Trunk	Craigflower PS	225	4237	494	4731	111.2	12.3	2.61	32.2	26.4	58.6									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	22.9	8.44	61.7	52.9	114.6	2926.0	132057	343.9	1.52	523.7	503.7	1027.4	32,691
Esquimalt	Lang Cove	Lang Cove PS	225	5187	1438	6624	97	17.3	2.50	43.2	77.0	120.2									
Subtotal (Section NET-W12)							6624	97	17.3		43.2	77.0	120.2	3023.0	138681	361.1	1.51	545.3	580.7	1126.0	34,281
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2092	4125	6217	95	16.2	2.52	40.9	75.0	115.9									
Subtotal (Section NET-W13)							6217	95	16.2		40.9	75.0	115.9	3118.0	144898	377.3	1.50	565.4	655.7	1221.1	35,776
Esquimalt	Kinver	Kinver Connection	225	1590	0	1590	46	4.1	2.93	12.1	50.0	62.1									
Subtotal (Section NET-W14)							1590	46	4.1		12.1	50.0	62.1	3164.0	146488	381.5	1.50	570.5	705.7	1276.2	36,181

NWT-W Estimated Wastewater Flows
Year = 2030, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	22132	11761	33893	875.0	88.3	1.94	171.3	140.6	311.9									
Subtotal (Section NWT-W1)							33893	875.0	88.3	1.94	171.3	140.6	311.9	875.0	33893	88.3	1.94	171.3	140.6	311.9	8,517
Langford	Langford North	15-S135-3-SMH6	225	26540	14104	40644	977.0	105.8	1.88	198.9	159.2	358.2									
Subtotal (Section NWT-W2)							40644	977.0	105.8	1.88	198.9	159.2	358.2	977.0	40644	105.8	1.88	198.9	159.2	358.2	10,139
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.2									
Subtotal (Section NWT-W3)							14	0.2	0.04	3.52	0.13	0.02	0.2	1852.2	74551	194.1	1.69	327.4	299.9	627.3	18,659
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	22722	3146	25868	385.5	67.4	2.03	136.9	60.3	197.3									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.5	3.5									
Subtotal (Section NWT-W4)							26680	397.3	69.5	143.7	62.2	205.9	2249.4	101231	263.6	1.60	420.9	362.0	782.9	25,067	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	59.0	70.5									
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	9.5	40.5									
Subtotal (Section NET-W5)							6026	126.8	15.7	42.5	68.5	111.0	2376.2	107257	279.3	1.58	441.4	430.6	871.9	26,552	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	4.4	18.2									
Subtotal (Section NET-W6)							1828	28.3	4.8	13.8	4.4	18.2	2404.5	109085	284.1	1.58	447.5	435.0	882.5	26,992	
View Royal	I/U/S of Parsons	15-S117-1-SMH1	225	1217	1005	2222	33.7	5.8	2.84	16.4	7.5	23.9									
Subtotal (Section NET-W7,8)							2222	33.7	5.8	2.84	16.4	7.5	23.9	2438.2	111307	289.9	1.57	455.0	442.5	897.5	27,526
View Royal	View Royal PS	15-S113-1-SMH3	225	4526	7434	11961	265	31.1	2.30	71.7	61.2	132.8									
Subtotal (Section NETW-9)							11961	265	31.1	71.7	61.2	132.8	2703.2	123268	321.0	1.54	494.9	503.6	998.5	30,487	
View Royal	Hospital Trunk	Craigflower PS	225	2143	1182	3325	86.2	8.7	2.72	23.6	22.0	45.6									
View Royal	Southern	Craigflower PS	225	389	344	733	25.4	1.9	3.11	5.9	6.5	12.4									
View Royal	Shoreline Trunk	Craigflower PS	225	4237	494	4731	111.2	12.3	2.61	32.2	28.4	60.6									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	0.0	8.44	61.7	56.9	118.6	2926.0	132057	321.0	1.52	488.9	560.6	1049.4	30,714
Esquimalt	Lang Cove	Lang Cove PS	225	5187	1438	6624	97	17.3	2.50	43.2	92.0	135.2									
Subtotal (Section NET-W12)							6624	97	17.3	43.2	92.0	135.2	3023.0	138681	338.3	1.51	510.8	652.6	1163.3	32,303	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2092	4125	6217	95	16.2	2.52	40.9	90.0	130.9									
Subtotal (Section NET-W13)							6217	95	16.2	40.9	90.0	130.9	3118.0	144898	354.5	1.50	531.1	742.6	1273.7	33,799	
Esquimalt	Kinver	Kinver Connection	225	1590	0	1590	46	4.1	2.93	12.1	63.0	75.1									
Subtotal (Section NET-W14)							1590	46	4.1	12.1	63.0	75.1	3164.0	146488	358.6	1.50	536.3	805.6	1341.8	34,203	

NWT-W Estimated Wastewater Flows
Year = 2030, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	22132	11761	33893	875.0	88.3	1.94	171.3	152.5	323.8									
Subtotal (Section NWT-W1)							33893	875.0	88.3	171.3	152.5	323.8	875.0	33893	88.3	1.94	171.3	152.5	323.8	8,517	
Langford	Langford North	15-S135-3-SMH6	225	26540	14104	40644	977.0	105.8	1.88	198.9	172.9	371.9									
Subtotal (Section NWT-W2)							40644	977.0	105.8	198.9	172.9	371.9	977.0	40644	105.8	1.88	198.9	172.9	371.9	10,139	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)							14	0.2	0.04	3.52	0.13	0.03	0.2	1852.2	74551	194.1	1.69	327.4	325.5	652.9	18,659
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	22722	3146	25868	385.5	67.4	2.03	136.9	65.3	202.2									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.6	3.6									
Subtotal (Section NWT-W4)							26680	397.3	69.5	143.7	67.3	211.0	2249.4	101231	263.6	1.60	420.9	392.8	813.6	25,067	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	67.0	78.5									
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	10.3	41.3									
Subtotal (Section NET-W5)							6026	126.8	15.7	42.5	77.3	119.8	2376.2	107257	279.3	1.58	441.4	470.1	911.4	26,552	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	4.8	18.6									
Subtotal (Section NET-W6)							1828	28.3	4.8	13.8	4.8	18.6	2404.5	109085	284.1	1.58	447.5	474.9	922.4	26,992	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	1217	1005	2222	33.7	5.8	2.84	16.4	8.0	24.4									
Subtotal (Section NET-W7,8)							2222	33.7	5.8	16.4	8.0	24.4	2438.2	111307	289.9	1.57	455.0	482.9	937.9	27,526	
View Royal	View Royal PS	15-S113-1-SMH3	225	4526	7434	11961	265	31.1	2.30	71.7	65.1	136.8									
Subtotal (Section NETW-9)							11961	265	31.1	71.7	65.1	136.8	2703.2	123268	321.0	1.54	494.9	548.0	1042.9	30,487	
View Royal	Hospital Trunk	Craigflower PS	225	2143	1182	3325	86.2	8.7	2.72	23.6	23.4	47.0									
View Royal	Southern	Craigflower PS	225	389	344	733	25.4	1.9	3.11	5.9	6.9	12.8									
View Royal	Shoreline Trunk	Craigflower PS	225	4237	494	4731	111.2	12.3	2.61	32.2	30.2	62.4									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	0.0	8.44	61.7	60.4	122.1	2926.0	132057	321.0	1.52	488.9	608.4	1097.3	30,714
Esquimalt	Lang Cove	Lang Cove PS	225	5187	1438	6624	97	17.3	2.50	43.2	100.0	143.2									
Subtotal (Section NET-W12)							6624	97	17.3	43.2	100.0	143.2	3023.0	138681	338.3	1.51	510.8	708.4	1219.2	32,303	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2092	4125	6217	95	16.2	2.52	40.9	98.0	138.9									
Subtotal (Section NET-W13)							6217	95	16.2	40.9	98.0	138.9	3118.0	144898	354.5	1.50	531.1	806.4	1337.5	33,799	
Esquimalt	Kinver	Kinver Connection	225	1590	0	1590	46	4.1	2.93	12.1	71.0	83.1									
Subtotal (Section NET-W14)							1590	46	4.1	12.1	71.0	83.1	3164.0	146488	358.6	1.50	536.3	877.4	1413.7	34,203	

NWT-W Estimated Wastewater Flows
Year = 2030, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	22132	11761	33893	875.0	88.3	1.94	171.3	159.8	331.0									
Subtotal (Section NWT-W1)							33893	875.0	88.3	171.3	159.8	331.0	875.0	33893	88.3	1.94	171.3	159.8	331.0	8,517	
Langford	Langford North	15-S135-3-SMH6	225	26540	14104	40644	977.0	105.8	1.88	198.9	182.0	380.9									
Subtotal (Section NWT-W2)							40644	977.0	105.8	198.9	182.0	380.9	977.0	40644	105.8	1.88	198.9	182.0	380.9	10,139	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)							14	0.2	0.04	3.52	0.13	0.03	0.2	1852.2	74551	194.1	1.69	327.4	341.8	669.2	18,659
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	22722	3146	25868	385.5	67.4	2.03	136.9	67.7	204.7									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.7	3.7									
Subtotal (Section NWT-W4)							26680	397.3	69.5	143.7	69.8	213.5	2249.4	101231	263.6	1.60	420.9	411.6	832.5	25,067	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	77.0	88.5									
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	10.7	41.7									
Subtotal (Section NET-W5)							6026	126.8	15.7	42.5	87.7	130.2	2376.2	107257	279.3	1.58	441.4	499.4	940.7	26,552	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	5.0	18.7									
Subtotal (Section NET-W6)							1828	28.3	4.8	13.8	5.0	18.7	2404.5	109085	284.1	1.58	447.5	504.3	951.9	26,992	
View Royal	I/U/S of Parsons	15-S117-1-SMH1	225	1217	1005	2222	33.7	5.8	2.84	16.4	8.4	24.8									
Subtotal (Section NET-W7,8)							2222	33.7	5.8	16.4	8.4	24.8	2438.2	111307	289.9	1.57	455.0	512.7	967.7	27,526	
View Royal	View Royal PS	15-S113-1-SMH3	225	4526	7434	11961	265	31.1	2.30	71.7	68.7	140.4									
Subtotal (Section NETW-9)							11961	265	31.1	71.7	68.7	140.4	2703.2	123268	321.0	1.54	494.9	581.4	1076.3	30,487	
View Royal	Hospital Trunk	Craigflower PS	225	2143	1182	3325	86.2	8.7	2.72	23.6	24.7	48.3									
View Royal	Southern	Craigflower PS	225	389	344	733	25.4	1.9	3.11	5.9	7.3	13.2									
View Royal	Shoreline Trunk	Craigflower PS	225	4237	494	4731	111.2	12.3	2.61	32.2	31.9	64.1									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	0.0	8.44	61.7	63.9	125.6	2926.0	132057	321.0	1.52	488.9	645.4	1134.2	30,714
Esquimalt	Lang Cove	Lang Cove PS	225	5187	1438	6624	97	17.3	2.50	43.2	119.0	162.2									
Subtotal (Section NET-W12)							6624	97	17.3	43.2	119.0	162.2	3023.0	138681	338.3	1.51	510.8	764.4	1275.1	32,303	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2092	4125	6217	95	16.2	2.52	40.9	116.0	156.9									
Subtotal (Section NET-W13)							6217	95	16.2	40.9	116.0	156.9	3118.0	144898	354.5	1.50	531.1	880.4	1411.5	33,799	
Esquimalt	Kinver	Kinver Connection	225	1590	0	1590	46	4.1	2.93	12.1	81.0	93.1									
Subtotal (Section NET-W14)							1590	46	4.1	12.1	81.0	93.1	3164.0	146488	358.6	1.50	536.3	961.4	1497.6	34,203	

NWT-W Estimated Wastewater Flows
Year = 2030, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	22132	11761	33893	875.0	88.3	1.94	171.3	172.8	344.1								
Subtotal (Section NWT-W1)						33893	875.0	88.3		171.3	172.8	344.1	875.0	33893	88.3	1.94	171.3	172.8	344.1	8517
Langford	Langford North	15-S135-3-SMH6	225	26540	14104	40644	977.0	105.8	1.88	198.9	197.6	396.5								
Subtotal (Section NWT-W2)						40644	977.0	105.8		198.9	197.6	396.5	977.0	40644	105.8	1.88	198.9	197.6	396.5	10,139
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.2	0.04		0.13	0.03	0.2	1852.2	74551	194.1	1.69	327.4	370.4	697.8	18,659
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.2								
Colwood	600mm connection	15-S132-1-Wye	225	22722	3146	25868	385.5	67.4	2.03	136.9	72.7	209.6								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.8	3.8								
Subtotal (Section NWT-W4)						26680	397.3	69.5		143.7	74.9	218.6	2249.4	101231	263.6	1.60	420.9	445.3	866.2	25,067
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	92.0	103.5								
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	11.5	42.5								
Subtotal (Section NET-W5)						6026	126.8	15.7		42.5	103.5	146.0	2376.2	107257	279.3	1.58	441.4	548.8	990.2	26,552
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	5.3	19.1								
Subtotal (Section NET-W6)						1828	28.3	4.8		13.8	5.3	19.1	2404.5	109085	284.1	1.58	447.5	554.2	1001.7	26,992
View Royal	I/U/S of Parsons	15-S117-1-SMH1	225	1217	1005	2222	33.7	5.8	2.84	16.4	9.1	25.5								
Subtotal (Section NET-W7,8)						2222	33.7	5.8		16.4	9.1	25.5	2438.2	111307	289.9	1.57	455.0	563.3	1018.3	27,526
View Royal	View Royal PS	15-S113-1-SMH3	225	4526	7434	11961	265	31.1	2.30	71.7	74.5	146.2								
Subtotal (Section NETW-9)						11961	265	31.1		71.7	74.5	146.2	2703.2	123268	321.0	1.54	494.9	637.7	1132.6	30,487
View Royal	Hospital Trunk	Craigflower PS	225	2143	1182	3325	86.2	8.7	2.72	23.6	26.9	50.5								
View Royal	Southern	Craigflower PS	225	389	344	733	25.4	1.9	3.11	5.9	7.9	13.8								
View Royal	Shoreline Trunk	Craigflower PS	225	4237	494	4731	111.2	12.3	2.61	32.2	34.7	66.9								
Subtotal (Section NETW-10,11, Craigflower PS)						8788	222.8	0.0	8.44	61.7	69.5	131.2	2926.0	132057	321.0	1.52	488.9	707.2	1196.1	30,714
Esquimalt	Lang Cove	Lang Cove PS	225	5187	1438	6624	97	17.3	2.50	43.2	139.0	182.2								
Subtotal (Section NET-W12)						6624	97	17.3		43.2	139.0	182.2	3023.0	138681	338.3	1.51	510.8	846.2	1357.0	32,303
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2092	4125	6217	95	16.2	2.52	40.9	136.0	176.9								
Subtotal (Section NET-W13)						6217	95	16.2		40.9	136.0	176.9	3118.0	144898	354.5	1.50	531.1	982.2	1513.3	33,799
Esquimalt	Kinver	Kinver Connection	225	1590	0	1590	46	4.1	2.93	12.1	95.0	107.1								
Subtotal (Section NET-W14)						1590	46	4.1		12.1	95.0	107.1	3164.0	146488	358.6	1.50	536.3	1077.2	1613.5	34,203

NWT-W Estimated Wastewater Flows
Year = 2045, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	25140	13359	38499	1002.0	100.3	1.90	190.2	146.2	336.4								
Subtotal (Section NWT-W1)						38499	1002.0	100.3		190.2	146.2	336.4	1002.0	38499	100.3	1.90	190.2	146.2	336.4	9,682
Langford	Langford North	15-S135-3-SMH6	225	35712	18978	54690	1158.0	142.4	1.78	253.9	170.3	424.2								
Subtotal (Section NWT-W2)						54690	1158.0	142.4		253.9	170.3	424.2	1158.0	54690	142.4	1.78	253.9	170.3	424.2	13,484
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.1								
Subtotal (Section NWT-W3)						14	0.2	0.04		0.13	0.02	0.1	2160.2	93203	242.7	1.62	393.3	316.5	709.7	23,170
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.3	5.1								
Colwood	600mm connection	15-S132-1-Wye	225	38403	5615	44018	633.0	114.6	1.85	212.4	91.0	303.4								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.4	3.4								
Subtotal (Section NWT-W4)						44829	644.8	116.7		219.2	92.6	311.8	2804.9	138032	359.5	1.51	543.2	409.1	952.3	33,913
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	45.0	56.5								
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	8.8	39.7								
Subtotal (Section NET-W5)						6026	126.8	15.7		42.5	53.8	96.2	2931.7	144058	375.2	1.50	562.7	462.9	1025.6	35,398
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	4.1	17.8								
Subtotal (Section NET-W6)						1828	28.3	4.8		13.8	4.1	17.8	2960.0	145886	379.9	1.50	568.6	467.0	1035.5	35,838
View Royal	I/S of Parsons	15-S117-1-SMH1	225	2298	1005	3303	45.1	8.6	2.73	23.4	8.6	32.0								
Subtotal (Section NET-W7,8)						3303	45.1	8.6		23.4	8.6	32.0	3005.1	149189	388.5	1.49	579.2	475.5	1054.7	36,627
View Royal	View Royal PS	15-S113-1-SMH3	225	5174	13038	18212	318.1	47.4	2.15	102.2	64.4	166.5								
Subtotal (Section NETW-9)						18212	318.1	47.4		102.2	64.4	166.5	3323.2	167401	435.9	1.46	637.0	539.9	1176.9	41,048
View Royal	Hospital Trunk	Craigflower PS	225	2569	1420	3988	86.2	10.4	2.67	27.7	20.5	48.2								
View Royal	Southern	Craigflower PS	225	466	414	880	25.4	2.3	3.07	7.0	6.0	13.1								
View Royal	Shoreline Trunk	Craigflower PS	225	5134	350	5484	111.2	14.3	2.57	36.6	26.4	63.0								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	27.0		8.30	71.4	124.3	3546.0	177753	462.9	1.45	669.4	592.8	1262.2	43,604
Esquimalt	Lang Cove	Lang Cove PS	225	5880	1600	7480	97	19.5	2.46	48.0	77.0	125.0								
Subtotal (Section NET-W12)						7480	97	19.5		48.0	77.0	125.0	3643.0	185233	482.4	1.44	692.7	669.8	1362.5	45,386
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2310	4650	6960	95	18.1	2.49	45.1	75.0	120.1								
Subtotal (Section NET-W13)						6960	95	18.1		45.1	75.0	120.1	3738.0	192193	500.5	1.43	714.2	744.8	1459.0	47,049
Esquimalt	Kinver	Kinver Connection	225	1574	0	1574	46	4.1	2.93	12.0	50.0	62.0								
Subtotal (Section NET-W14)						1574	46	4.1		12.0	50.0	62.0	3784.0	193767	504.6	1.42	719.1	794.8	1513.8	47,450

NWT-W Estimated Wastewater Flows
Year = 2045, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	25140	13359	38499	1002.0	100.3	1.90	190.2	160.5	350.7								
Subtotal (Section NWT-W1)						38499	1002.0	100.3		190.2	160.5	350.7	1002.0	38499	100.3	1.90	190.2	160.5	350.7	9,682
Langford	Langford North	15-S135-3-SMH6	225	35712	18978	54690	1158.0	142.4	1.78	253.9	187.6	441.5								
Subtotal (Section NWT-W2)						54690	1158.0	142.4		253.9	187.6	441.5	1158.0	54690	142.4	1.78	253.9	187.6	441.5	13,484
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.2								
Subtotal (Section NWT-W3)						14	0.2	0.04		0.13	0.02	0.2	2160.2	93203	242.7	1.62	393.3	348.1	741.3	23,170
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	225	38403	5615	44018	633.0	114.6	1.85	212.4	99.1	311.5								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.5	3.5								
Subtotal (Section NWT-W4)						44829	644.8	116.7		219.2	100.9	320.1	2804.9	138032	359.5	1.51	543.2	449.0	992.2	33,913
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	59.0	70.5								
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	9.5	40.5								
Subtotal (Section NET-W5)						6026	126.8	15.7		42.5	68.5	111.0	2931.7	144058	375.2	1.50	562.7	517.5	1080.2	35,398
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	4.4	18.2								
Subtotal (Section NET-W6)						1828	28.3	4.8		13.8	4.4	18.2	2960.0	145886	379.9	1.50	568.6	522.0	1090.5	35,838
View Royal	I/S of Parsons	15-S117-1-SMH1	225	2298	1005	3303	45.1	8.6	2.73	23.4	9.3	32.7								
Subtotal (Section NET-W7,8)						3303	45.1	8.6		23.4	9.3	32.7	3005.1	149189	388.5	1.49	579.2	531.2	1110.4	36,627
View Royal	View Royal PS	15-S113-1-SMH3	225	5174	13038	18212	318.1	47.4	2.15	102.2	69.5	171.7								
Subtotal (Section NETW-9)						18212	318.1	47.4		102.2	69.5	171.7	3323.2	167401	435.9	1.46	637.0	600.7	1237.7	41,048
View Royal	Hospital Trunk	Craigflower PS	225	2569	1420	3988	86.2	10.4	2.67	27.7	22.0	49.7								
View Royal	Southern	Craigflower PS	225	466	414	880	25.4	2.3	3.07	7.0	6.5	13.5								
View Royal	Shoreline Trunk	Craigflower PS	225	5134	350	5484	111.2	14.3	2.57	36.6	28.4	65.1								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	27.0		8.30	71.4	56.9	3546.0	177753	462.9	1.45	669.4	657.6	1327.0	43,604
Esquimalt	Lang Cove	Lang Cove PS	225	5880	1600	7480	97	19.5	2.46	48.0	92.0	140.0								
Subtotal (Section NET-W12)						7480	97	19.5		48.0	92.0	140.0	3643.0	185233	482.4	1.44	692.7	749.6	1442.3	45,386
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2310	4650	6960	95	18.1	2.49	45.1	90.0	135.1								
Subtotal (Section NET-W13)						6960	95	18.1		45.1	90.0	135.1	3738.0	192193	500.5	1.43	714.2	839.6	1553.8	47,049
Esquimalt	Kinver	Kinver Connection	225	1574	0	1574	46	4.1	2.93	12.0	63.0	75.0								
Subtotal (Section NET-W14)						1574	46	4.1		12.0	63.0	75.0	3784.0	193767	504.6	1.42	719.1	902.6	1621.7	47,450

NWT-W Estimated Wastewater Flows
Year = 2045, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	25140	13359	38499	1002.0	100.3	1.90	190.2	174.0	364.3								
Subtotal (Section NWT-W1)						38499	1002.0	100.3		190.2	174.0	364.3	1002.0	38499	100.3	1.90	190.2	174.0	364.3	9,682
Langford	Langford North	15-S135-3-SMH6	225	35712	18978	54690	1158.0	142.4	1.78	253.9	203.6	457.5								
Subtotal (Section NWT-W2)						54690	1158.0	142.4		253.9	203.6	457.5	1158.0	54690	142.4	1.78	253.9	203.6	457.5	13,484
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.2	0.04		0.13	0.03	0.2	2160.2	93203	242.7	1.62	393.3	377.7	770.9	23,170
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	225	38403	5615	44018	633.0	114.6	1.85	212.4	107.2	319.6								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.6	3.6								
Subtotal (Section NWT-W4)						44829	644.8	116.7		219.2	109.2	328.4	2804.9	138032	359.5	1.51	543.2	486.8	1030.0	33,913
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	67.0	78.5								
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	10.3	41.3								
Subtotal (Section NET-W5)						6026	126.8	15.7		42.5	77.3	119.8	2931.7	144058	375.2	1.50	562.7	564.2	1126.9	35,398
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	4.8	18.6								
Subtotal (Section NET-W6)						1828	28.3	4.8		13.8	4.8	18.6	2960.0	145886	379.9	1.50	568.6	569.0	1137.5	35,838
View Royal	I/S of Parsons	15-S117-1-SMH1	225	2298	1005	3303	45.1	8.6	2.73	23.4	9.9	33.3								
Subtotal (Section NET-W7,8)						3303	45.1	8.6		23.4	9.9	33.3	3005.1	149189	388.5	1.49	579.2	578.9	1158.0	36,627
View Royal	View Royal PS	15-S113-1-SMH3	225	5174	13038	18212	318.1	47.4	2.15	102.2	74.1	176.3								
Subtotal (Section NETW-9)						18212	318.1	47.4		102.2	74.1	176.3	3323.2	167401	435.9	1.46	637.0	653.0	1290.0	41,048
View Royal	Hospital Trunk	Craigflower PS	225	2569	1420	3988	86.2	10.4	2.67	27.7	23.4	51.1								
View Royal	Southern	Craigflower PS	225	466	880	880	25.4	2.3	3.07	7.0	6.9	13.9								
View Royal	Shoreline Trunk	Craigflower PS	225	5134	350	5484	111.2	14.3	2.57	36.6	30.2	66.8								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	27.0		8.30	71.4	131.8	3546.0	177753	462.9	1.45	669.4	713.4	1382.9	43,604
Esquimalt	Lang Cove	Lang Cove PS	225	5880	1600	7480	97	19.5	2.46	48.0	100.0	148.0								
Subtotal (Section NET-W12)						7480	97	19.5		48.0	100.0	148.0	3643.0	185233	482.4	1.44	692.7	813.4	1506.1	45,386
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2310	4650	6960	95	18.1	2.49	45.1	98.0	143.1								
Subtotal (Section NET-W13)						6960	95	18.1		45.1	98.0	143.1	3738.0	192193	500.5	1.43	714.2	911.4	1625.6	47,049
Esquimalt	Kinver	Kinver Connection	225	1574	0	1574	46	4.1	2.93	12.0	71.0	83.0								
Subtotal (Section NET-W14)						1574	46	4.1		12.0	71.0	83.0	3784.0	193767	504.6	1.42	719.1	982.4	1701.5	47,450

NWT-W Estimated Wastewater Flows
Year = 2045, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	25140	13359	38499	1002.0	100.3	1.90	190.2	182.1	372.3								
Subtotal (Section NWT-W1)						38499	1002.0	100.3		190.2	182.1	372.3	1002.0	38499	100.3	1.90	190.2	182.1	372.3	9,682
Langford	Langford North	15-S135-3-SMH6	225	35712	18978	54690	1158.0	142.4	1.78	253.9	213.8	467.7								
Subtotal (Section NWT-W2)						54690	1158.0	142.4		253.9	213.8	467.7	1158.0	54690	142.4	1.78	253.9	213.8	467.7	13,484
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.2	0.04		0.13	0.03	0.2	2160.2	93203	242.7	1.62	393.3	395.9	789.2	23,170
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	225	38403	5615	44018	633.0	114.6	1.85	212.4	111.2	323.7								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.7	3.7								
Subtotal (Section NWT-W4)						44829	644.8	116.7		219.2	113.3	332.5	2804.9	138032	359.5	1.51	543.2	509.3	1052.5	33,913
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	77.0	88.5								
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	10.7	41.7								
Subtotal (Section NET-W5)						6026	126.8	15.7		42.5	87.7	130.2	2931.7	144058	375.2	1.50	562.7	597.0	1159.7	35,398
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	5.0	18.7								
Subtotal (Section NET-W6)						1828	28.3	4.8		13.8	5.0	18.7	2960.0	145886	379.9	1.50	568.6	602.0	1170.5	35,838
View Royal	I/S of Parsons	15-S117-1-SMH1	225	2298	1005	3303	45.1	8.6	2.73	23.4	10.4	33.8								
Subtotal (Section NET-W7,8)						3303	45.1	8.6		23.4	10.4	33.8	3005.1	149189	388.5	1.49	579.2	612.4	1191.5	36,627
View Royal	View Royal PS	15-S113-1-SMH3	225	5174	13038	18212	318.1	47.4	2.15	102.2	78.0	180.2								
Subtotal (Section NETW-9)						18212	318.1	47.4		102.2	78.0	180.2	3323.2	167401	435.9	1.46	637.0	690.4	1327.4	41,048
View Royal	Hospital Trunk	Craigflower PS	225	2569	1420	3988	86.2	10.4	2.67	27.7	24.7	52.4								
View Royal	Southern	Craigflower PS	225	466	414	880	25.4	2.3	3.07	7.0	7.3	14.3								
View Royal	Shoreline Trunk	Craigflower PS	225	5134	350	5484	111.2	14.3	2.57	36.6	31.9	68.6								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	27.0		8.30	71.4	63.9	3546.0	177753	462.9	1.45	669.4	754.3	1423.8	43,604
Esquimalt	Lang Cove	Lang Cove PS	225	5880	1600	7480	97	19.5	2.46	48.0	119.0	167.0								
Subtotal (Section NET-W12)						7480	97	19.5		48.0	119.0	167.0	3643.0	185233	482.4	1.44	692.7	873.3	1566.0	45,386
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2310	4650	6960	95	18.1	2.49	45.1	116.0	161.1								
Subtotal (Section NET-W13)						6960	95	18.1		45.1	116.0	161.1	3738.0	192193	500.5	1.43	714.2	989.3	1703.5	47,049
Esquimalt	Kinver	Kinver Connection	225	1574	0	1574	46	4.1	2.93	12.0	81.0	93.0								
Subtotal (Section NET-W14)						1574	46	4.1		12.0	81.0	93.0	3784.0	193767	504.6	1.42	719.1	1070.3	1789.4	47,450

NWT-W Estimated Wastewater Flows
Year = 2045, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	25140	13359	38499	1002.0	100.3	1.90	190.2	196.7	387.0									
Subtotal (Section NWT-W1)							38499	1002.0	100.3	1.90	190.2	196.7	387.0	1002.0	38499	100.3	1.90	190.2	196.7	387.0	9,682
Langford	Langford North	15-S135-3-SMH6	225	35712	18978	54690	1158.0	142.4	1.78	253.9	231.7	485.6									
Subtotal (Section NWT-W2)							54690	1158.0	142.4	1.78	253.9	231.7	485.6	1158.0	54690	142.4	1.78	253.9	231.7	485.6	13,484
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)							14	0.2	0.04	3.52	0.13	0.03	0.2	2160.2	93203	242.7	1.62	393.3	428.5	821.8	23,170
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.2									
Colwood	600mm connection	15-S132-1-Wye	225	38403	5615	44018	633.0	114.6	1.85	212.4	119.4	331.8									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.8	3.8									
Subtotal (Section NWT-W4)							44829	644.8	116.7	219.2	121.6	340.8	2804.9	138032	359.5	1.51	543.2	550.1	1093.3	33,913	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	92.0	103.5									
Colwood	Colwood Corners	various	225	123	4402	4525	61	11.8	2.63	31.0	11.5	42.5									
Subtotal (Section NET-W5)							6026	126.8	15.7	42.5	103.5	146.0	2931.7	144058	375.2	1.50	562.7	653.6	1216.3	35,398	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	1709	1828	28.3	4.8	2.89	13.8	5.3	19.1									
Subtotal (Section NET-W6)							1828	28.3	4.8	13.8	5.3	19.1	2960.0	145886	379.9	1.50	568.6	658.9	1227.5	35,838	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	2298	1005	3303	45.1	8.6	2.73	23.4	11.3	34.7									
Subtotal (Section NET-W7,8)							3303	45.1	8.6	2.73	23.4	11.3	34.7	3005.1	149189	388.5	1.49	579.2	670.2	1249.3	36,627
View Royal	View Royal PS	15-S113-1-SMH3	225	5174	13038	18212	318.1	47.4	2.15	102.2	84.5	186.7									
Subtotal (Section NETW-9)							18212	318.1	47.4	102.2	84.5	186.7	3323.2	167401	435.9	1.46	637.0	754.7	1391.7	41,048	
View Royal	Hospital Trunk	Craigflower PS	225	2569	1420	3988	86.2	10.4	2.67	27.7	26.9	54.6									
View Royal	Southern	Craigflower PS	225	466	414	880	25.4	2.3	3.07	7.0	7.9	14.9									
View Royal	Shoreline Trunk	Craigflower PS	225	5134	350	5484	111.2	14.3	2.57	36.6	34.7	71.3									
Subtotal (Section NETW-10,11, Craigflower PS)							10352	222.8	27.0	8.30	71.4	69.5	140.8	3546.0	177753	462.9	1.45	669.4	824.1	1493.6	43,604
Esquimalt	Lang Cove	Lang Cove PS	225	5880	1600	7480	97	19.5	2.46	48.0	139.0	187.0									
Subtotal (Section NET-W12)							7480	97	19.5	2.46	48.0	139.0	187.0	3643.0	185233	482.4	1.44	692.7	963.1	1655.8	45,386
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2310	4650	6960	95	18.1	2.49	45.1	136.0	181.1									
Subtotal (Section NET-W13)							6960	95	18.1	2.49	45.1	136.0	181.1	3738.0	192193	500.5	1.43	714.2	1099.1	1813.3	47,049
Esquimalt	Kinver	Kinver Connection	225	1574	0	1574	46	4.1	2.93	12.0	95.0	107.0									
Subtotal (Section NET-W14)							1574	46	4.1	2.93	12.0	95.0	107.0	3784.0	193767	504.6	1.42	719.1	1194.1	1913.2	47,450

NWT-W Estimated Wastewater Flows
Year = 2065, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	30163	16029	46192	1213.0	120.3	1.84	221.0	176.5	397.5									
Subtotal (Section NWT-W1)							46192	1213.0	120.3		221.0	176.5	397.5	1213.0	46192	120.3	1.84	221.0	176.5	397.5	11,628
Langford	Langford North	15-S135-3-SMH6	225	51795	27525	79320	1457.0	206.6	1.67	344.5	213.2	557.7									
Subtotal (Section NWT-W2)							79320	1457.0	206.6		344.5	213.2	557.7	1457.0	79320	206.6	1.67	344.5	213.2	557.7	19,330
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.04		0.13	0.02	0.1	2670.2	125526	326.9	1.54	502.3	389.8	892.1	30,962
Colwood	Royal Roads	15-S132-1-Wye	225	651	160	811	2.3	2.1	3.09	6.5	0.3	6.8									
Colwood	600mm connection	15-S132-1-Wye	225	54148	7917	62065	867.2	161.6	1.74	281.7	124.6	406.3									
Colwood	250mm connection	15-S132-1-SCO5	225	21	312	333	9.5	0.9	3.25	2.8	1.4	4.2									
Subtotal (Section NWT-W4)							63209	879.0	164.6		291.0	126.3	417.3	3549.1	188735	491.5	1.43	703.5	516.1	1219.6	46,078
Colwood	DND Belmont	15-S132-1-SCO4	225	2116	0	2116	65.8	5.5	2.85	15.7	45.0	60.7									
Colwood	Colwood Corners	various	225	173	6207	6380	61	16.6	2.52	41.8	8.8	50.6									
Subtotal (Section NET-W5)							8497	126.8	22.1		57.5	53.8	111.3	3675.9	197232	513.6	1.42	729.7	569.8	1299.5	48,119
Colwood	Colwood Corners	15-S117-1-SMH6	225	168	2410	2577	28.3	6.7	2.80	18.8	4.1	22.8									
Subtotal (Section NET-W6)							2577	28.3	6.7		18.8	4.1	22.8	3704.2	199809	520.3	1.42	737.6	573.9	1311.5	48,728
View Royal	I/S of Parsons	15-S117-1-SMH1	225	2832	1238	4070	45.1	10.6	2.66	28.2	8.6	36.8									
Subtotal (Section NET-W7,8)							4070	45.1	10.6		28.2	8.6	36.8	3749.3	203879	530.9	1.41	750.1	582.5	1332.5	49,690
View Royal	View Royal PS	15-S113-1-SMH3	225	6377	16063	22440	318.1	58.4	2.08	121.7	64.4	186.0									
Subtotal (Section NETW-9)							22440	318.1	58.4		121.7	64.4	186.0	4067.4	226319	589.4	1.39	818.1	646.8	1464.9	55,062
View Royal	Hospital Trunk	Craigflower PS	225	3166	1749	4915	86.2	12.8	2.60	33.3	20.5	53.8									
View Royal	Southern	Craigflower PS	225	574	510	1084	25.4	2.8	3.02	8.5	6.0	14.6									
View Royal	Shoreline Trunk	Craigflower PS	225	6327	431	6759	111.2	17.6	2.50	43.9	26.4	70.4									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	33.2	8.12	85.8	52.9	138.7	4290.2	239077	622.6	1.38	856.4	699.7	1556.1	58,160
Esquimalt	Lang Cove	Lang Cove PS	225	5999	1632	7631	97	19.9	2.46	48.8	77.0	125.8									
Subtotal (Section NET-W12)							7631	97	19.9		48.8	77.0	125.8	4387.2	246708	642.5	1.37	879.1	776.7	1655.8	59,975
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2357	4743	7100	95	18.5	2.48	45.9	75.0	120.9									
Subtotal (Section NET-W13)							7100	95	18.5		45.9	75.0	120.9	4482.2	253807	661.0	1.36	900.2	851.7	1751.9	61,670
Esquimalt	Kinver	Kinver Connection	225	1606	0	1606	46	4.2	2.93	12.2	50.0	62.2									
Subtotal (Section NET-W14)							1606	46	4.2		12.2	50.0	62.2	4528.2	255413	665.1	1.36	904.9	901.7	1806.6	62,078

NWT-W Estimated Wastewater Flows
Year = 2065, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	30163	16029	46192	1213.0	120.3	1.84	221.0	193.5	414.5									
Subtotal (Section NWT-W1)							46192	1213.0	120.3		221.0	193.5	414.5	1213.0	46192	120.3	1.84	221.0	193.5	414.5	11,628
Langford	Langford North	15-S135-3-SMH6	225	51795	27525	79320	1457.0	206.6	1.67	344.5	234.4	578.9									
Subtotal (Section NWT-W2)							79320	1457.0	206.6		344.5	234.4	578.9	1457.0	79320	206.6	1.67	344.5	234.4	578.9	19,330
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.2									
Subtotal (Section NWT-W3)							14	0.2	0.04		0.13	0.02	0.2	2670.2	125526	326.9	1.54	502.3	427.9	930.2	30,962
Colwood	Royal Roads	15-S132-1-Wye	225	651	160	811	2.3	2.1	3.09	6.5	0.4	6.9									
Colwood	600mm connection	15-S132-1-Wye	225	54148	7917	62065	867.2	161.6	1.74	281.7	135.7	417.4									
Colwood	250mm connection	15-S132-1-SCO5	225	21	312	333	9.5	0.9	3.25	2.8	1.5	4.3									
Subtotal (Section NWT-W4)							63209	879.0	164.6		291.0	137.6	428.6	3549.1	188735	491.5	1.43	703.5	565.5	1269.0	46,078
Colwood	DND Belmont	15-S132-1-SCO4	225	2116	0	2116	65.8	5.5	2.85	15.7	59.0	74.7									
Colwood	Colwood Corners	various	225	173	6207	6380	61	16.6	2.52	41.8	9.5	51.4									
Subtotal (Section NET-W5)							8497	126.8	22.1		57.5	68.5	126.1	3675.9	197232	513.6	1.42	729.7	634.0	1363.7	48,119
Colwood	Colwood Corners	15-S117-1-SMH6	225	168	2410	2577	28.3	6.7	2.80	18.8	4.4	23.2									
Subtotal (Section NET-W6)							2577	28.3	6.7		18.8	4.4	23.2	3704.2	199809	520.3	1.42	737.6	638.4	1376.1	48,728
View Royal	I/S of Parsons	15-S117-1-SMH1	225	2832	1238	4070	45.1	10.6	2.66	28.2	9.3	37.5									
Subtotal (Section NET-W7,8)							4070	45.1	10.6		28.2	9.3	37.5	3749.3	203879	530.9	1.41	750.1	647.7	1397.8	49,690
View Royal	View Royal PS	15-S113-1-SMH3	225	6377	16063	22440	318.1	58.4	2.08	121.7	69.5	191.1									
Subtotal (Section NETW-9)							22440	318.1	58.4		121.7	69.5	191.1	4067.4	226319	589.4	1.39	818.1	717.2	1535.3	55,062
View Royal	Hospital Trunk	Craigflower PS	225	3166	1749	4915	86.2	12.8	2.60	33.3	22.0	55.3									
View Royal	Southern	Craigflower PS	225	574	510	1084	25.4	2.8	3.02	8.5	6.5	15.0									
View Royal	Shoreline Trunk	Craigflower PS	225	6327	431	6759	111.2	17.6	2.50	43.9	28.4	72.4									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	33.2	8.12	85.8	56.9	142.7	4290.2	239077	622.6	1.38	856.4	774.1	1630.4	58,160
Esquimalt	Lang Cove	Lang Cove PS	225	5999	1632	7631	97	19.9	2.46	48.8	92.0	140.8									
Subtotal (Section NET-W12)							7631	97	19.9		48.8	92.0	140.8	4387.2	246708	642.5	1.37	879.1	868.1	1745.2	59,975
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2357	4743	7100	95	18.5	2.48	45.9	90.0	135.9									
Subtotal (Section NET-W13)							7100	95	18.5		45.9	90.0	135.9	4482.2	253807	661.0	1.36	900.2	956.1	1856.3	61,670
Esquimalt	Kinver	Kinver Connection	225	1606	0	1606	46	4.2	2.93	12.2	63.0	75.2									
Subtotal (Section NET-W14)							1606	46	4.2		12.2	63.0	75.2	4528.2	255413	665.1	1.36	904.9	1019.1	1924.0	62,078

NWT-W Estimated Wastewater Flows
Year = 2065, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	30163	16029	46192	1213.0	120.3	1.84	221.0	209.8	430.8									
Subtotal (Section NWT-W1)							46192	1213.0	120.3		221.0	209.8	430.8	1213.0	46192	120.3	1.84	221.0	209.8	430.8	11,628
Langford	Langford North	15-S135-3-SMH6	225	51795	27525	79320	1457.0	206.6	1.67	344.5	254.2	598.7									
Subtotal (Section NWT-W2)							79320	1457.0	206.6		344.5	254.2	598.7	1457.0	79320	206.6	1.67	344.5	254.2	598.7	19,330
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)							14	0.2	0.04		0.13	0.03	0.2	2670.2	125526	326.9	1.54	502.3	464.0	966.3	30,962
Colwood	Royal Roads	15-S132-1-Wye	225	651	160	811	2.3	2.1	3.09	6.5	0.4	6.9									
Colwood	600mm connection	15-S132-1-Wye	225	54148	7917	62065	867.2	161.6	1.74	281.7	146.8	428.6									
Colwood	250mm connection	15-S132-1-SCO5	225	21	312	333	9.5	0.9	3.25	2.8	1.6	4.4									
Subtotal (Section NWT-W4)							63209	879.0	164.6		291.0	148.8	439.9	3549.1	188735	491.5	1.43	703.5	612.9	1316.4	46,078
Colwood	DND Belmont	15-S132-1-SCO4	225	2116	0	2116	65.8	5.5	2.85	15.7	67.0	82.7									
Colwood	Colwood Corners	various	225	173	6207	6380	61	16.6	2.52	41.8	10.3	52.1									
Subtotal (Section NET-W5)							8497	126.8	22.1		57.5	77.3	134.9	3675.9	197232	513.6	1.42	729.7	690.2	1419.9	48,119
Colwood	Colwood Corners	15-S117-1-SMH6	225	168	2410	2577	28.3	6.7	2.80	18.8	4.8	23.6									
Subtotal (Section NET-W6)							2577	28.3	6.7		18.8	4.8	23.6	3704.2	199809	520.3	1.42	737.6	695.0	1432.6	48,728
View Royal	I/S of Parsons	15-S117-1-SMH1	225	2832	1238	4070	45.1	10.6	2.66	28.2	9.9	38.1									
Subtotal (Section NET-W7,8)							4070	45.1	10.6		28.2	9.9	38.1	3749.3	203879	530.9	1.41	750.1	704.9	1455.0	49,690
View Royal	View Royal PS	15-S113-1-SMH3	225	6377	16063	22440	318.1	58.4	2.08	121.7	74.1	195.8									
Subtotal (Section NETW-9)							22440	318.1	58.4		121.7	74.1	195.8	4067.4	226319	589.4	1.39	818.1	779.0	1597.1	55,062
View Royal	Hospital Trunk	Craigflower PS	225	3166	1749	4915	86.2	12.8	2.60	33.3	23.4	56.7									
View Royal	Southern	Craigflower PS	225	574	510	1084	25.4	2.8	3.02	8.5	6.9	15.4									
View Royal	Shoreline Trunk	Craigflower PS	225	6327	431	6759	111.2	17.6	2.50	43.9	30.2	74.1									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	33.2	8.12	85.8	60.4	146.2	4290.2	239077	622.6	1.38	856.4	839.4	1695.8	58,160
Esquimalt	Lang Cove	Lang Cove PS	225	5999	1632	7631	97	19.9	2.46	48.8	100.0	148.8									
Subtotal (Section NET-W12)							7631	97	19.9		48.8	100.0	148.8	4387.2	246708	642.5	1.37	879.1	939.4	1818.5	59,975
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2357	4743	7100	95	18.5	2.48	45.9	98.0	143.9									
Subtotal (Section NET-W13)							7100	95	18.5		45.9	98.0	143.9	4482.2	253807	661.0	1.36	900.2	1037.4	1937.6	61,670
Esquimalt	Kinver	Kinver Connection	225	1606	0	1606	46	4.2	2.93	12.2	71.0	83.2									
Subtotal (Section NET-W14)							1606	46	4.2		12.2	71.0	83.2	4528.2	255413	665.1	1.36	904.9	1108.4	2013.4	62,078

NWT-W Estimated Wastewater Flows
Year = 2065, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)		
Langford	Langford South	15S-135-2-Cap	225	30163	16029	46192	1213.0	120.3	1.84	221.0	219.2	440.2										
Subtotal (Section NWT-W1)							46192	1213.0	120.3		221.0	219.2	440.2	1213.0	46192	120.3	1.84	221.0	219.2	440.2	11,628	
Langford	Langford North	15-S135-3-SMH6	225	51795	27525	79320	1457.0	206.6	1.67	344.5	266.4	610.9										
Subtotal (Section NWT-W2)							79320	1457.0	206.6		344.5	266.4	610.9	1457.0	79320	206.6	1.67	344.5	266.4	610.9	19,330	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2										
Subtotal (Section NWT-W3)							14	0.2	0.04		0.13	0.03	0.2	2670.2	125526	326.9	1.54	502.3	485.6	987.9	30,962	
Colwood	Royal Roads	15-S132-1-Wye	225	651	160	811	2.3	2.1	3.09	6.5	0.4	6.9										
Colwood	600mm connection	15-S132-1-Wye	225	54148	7917	62065	867.2	161.6	1.74	281.7	152.4	434.1										
Colwood	250mm connection	15-S132-1-SCO5	225	21	312	333	9.5	0.9	3.25	2.8	1.7	4.5										
Subtotal (Section NWT-W4)							63209	879.0	164.6		291.0	154.5	445.5	3549.1	188735	491.5	1.43	703.5	640.1	1343.6	46,078	
Colwood	DND Belmont	15-S132-1-SCO4	225	2116	0	2116	65.8	5.5	2.85	15.7	77.0	92.7										
Colwood	Colwood Corners	various	225	173	6207	6380	61	16.6	2.52	41.8	10.7	52.5										
Subtotal (Section NET-W5)							8497	126.8	22.1		57.5	87.7	145.3	3675.9	197232	513.6	1.42	729.7	727.8	1457.5	48,119	
Colwood	Colwood Corners	15-S117-1-SMH6	225	168	2410	2577	28.3	6.7	2.80	18.8	5.0	23.8										
Subtotal (Section NET-W6)							2577	28.3	6.7		18.8	5.0	23.8	3704.2	199809	520.3	1.42	737.6	732.7	1470.4	48,728	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	2832	1238	4070	45.1	10.6	2.66	28.2	10.4	38.6										
Subtotal (Section NET-W7,8)							4070	45.1	10.6		28.2	10.4	38.6	3749.3	203879	530.9	1.41	750.1	743.2	1493.2	49,690	
View Royal	View Royal PS	15-S113-1-SMH3	225	6377	16063	22440	318.1	58.4	2.08	121.7	78.0	199.7										
Subtotal (Section NETW-9)							22440	318.1	58.4		121.7	78.0	199.7	4067.4	226319	589.4	1.39	818.1	821.2	1639.3	55,062	
View Royal	Hospital Trunk	Craigflower PS	225	3166	1749	4915	86.2	12.8	2.60	33.3	24.7	58.0										
View Royal	Southern	Craigflower PS	225	574	510	1084	25.4	2.8	3.02	8.5	7.3	15.8										
View Royal	Shoreline Trunk	Craigflower PS	225	6327	431	6759	111.2	17.6	2.50	43.9	31.9	75.9										
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	33.2		8.12	85.8	63.9	149.7	4290.2	239077	622.6	1.38	856.4	885.1	1741.5	58,160
Esquimalt	Lang Cove	Lang Cove PS	225	5999	1632	7631	97	19.9	2.46	48.8	119.0	167.8										
Subtotal (Section NET-W12)							7631	97	19.9		48.8	119.0	167.8	4387.2	246708	642.5	1.37	879.1	1004.1	1883.2	59,975	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2357	4743	7100	95	18.5	2.48	45.9	116.0	161.9										
Subtotal (Section NET-W13)							7100	95	18.5		45.9	116.0	161.9	4482.2	253807	661.0	1.36	900.2	1120.1	2020.3	61,670	
Esquimalt	Kinver	Kinver Connection	225	1606	0	1606	46	4.2	2.93	12.2	81.0	93.2										
Subtotal (Section NET-W14)							1606	46	4.2		12.2	81.0	93.2	4528.2	255413	665.1	1.36	904.9	1201.1	2106.0	62,078	

NWT-W Estimated Wastewater Flows
Year = 2065, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	30163	16029	46192	1213.0	120.3	1.84	221.0	236.5	457.6									
Subtotal (Section NWT-W1)							46192	1213.0	120.3		221.0	236.5	457.6	1213.0	46192	120.3	1.84	221.0	236.5	457.6	11,628
Langford	Langford North	15-S135-3-SMH6	225	51795	27525	79320	1457.0	206.6	1.67	344.5	288.1	632.6									
Subtotal (Section NWT-W2)							79320	1457.0	206.6		344.5	288.1	632.6	1457.0	79320	206.6	1.67	344.5	288.1	632.6	19,330
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)							14	0.2	0.04		0.13	0.03	0.2	2670.2	125526	326.9	1.54	502.3	524.7	1027.0	30,962
Colwood	Royal Roads	15-S132-1-Wye	225	651	160	811	2.3	2.1	3.09	6.5	0.4	6.9									
Colwood	600mm connection	15-S132-1-Wye	225	54148	7917	62065	867.2	161.6	1.74	281.7	163.5	445.2									
Colwood	250mm connection	15-S132-1-SCO5	225	21	312	333	9.5	0.9	3.25	2.8	1.8	4.6									
Subtotal (Section NWT-W4)							63209	879.0	164.6		291.0	165.7	456.8	3549.1	188735	491.5	1.43	703.5	690.4	1393.9	46,078
Colwood	DND Belmont	15-S132-1-SCO4	225	2116	0	2116	65.8	5.5	2.85	15.7	80.0	95.7									
Colwood	Colwood Corners	various	225	173	6207	6380	61	16.6	2.52	41.8	11.5	53.3									
Subtotal (Section NET-W5)							8497	126.8	22.1		57.5	91.5	149.0	3675.9	197232	513.6	1.42	729.7	781.9	1511.6	48,119
Colwood	Colwood Corners	15-S117-1-SMH6	225	168	2410	2577	28.3	6.7	2.80	18.8	5.3	24.1									
Subtotal (Section NET-W6)							2577	28.3	6.7		18.8	5.3	24.1	3704.2	199809	520.3	1.42	737.6	787.3	1524.9	48,728
View Royal	I/S of Parsons	15-S117-1-SMH1	225	2832	1238	4070	45.1	10.6	2.66	28.2	11.3	39.5									
Subtotal (Section NET-W7,8)							4070	45.1	10.6		28.2	11.3	39.5	3749.3	203879	530.9	1.41	750.1	798.5	1548.6	49,690
View Royal	View Royal PS	15-S113-1-SMH3	225	6377	16063	22440	318.1	58.4	2.08	121.7	84.5	206.1									
Subtotal (Section NETW-9)							22440	318.1	58.4		121.7	84.5	206.1	4067.4	226319	589.4	1.39	818.1	883.0	1701.1	55,062
View Royal	Hospital Trunk	Craigflower PS	225	3166	1749	4915	86.2	12.8	2.60	33.3	26.9	60.2									
View Royal	Southern	Craigflower PS	225	574	510	1084	25.4	2.8	3.02	8.5	7.9	16.4									
View Royal	Shoreline Trunk	Craigflower PS	225	6327	431	6759	111.2	17.6	2.50	43.9	34.7	78.6									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	33.2		8.12	85.8	155.2	4290.2	239077	622.6	1.38	856.4	952.4	1808.8	58,160
Esquimalt	Lang Cove	Lang Cove PS	225	5999	1632	7631	97	19.9	2.46	48.8	139.0	187.8									
Subtotal (Section NET-W12)							7631	97	19.9		48.8	139.0	187.8	4387.2	246708	642.5	1.37	879.1	1091.4	1970.6	59,975
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	2357	4743	7100	95	18.5	2.48	45.9	136.0	181.9									
Subtotal (Section NET-W13)							7100	95	18.5		45.9	136.0	181.9	4482.2	253807	661.0	1.36	900.2	1227.4	2127.6	61,670
Esquimalt	Kinver	Kinver Connection	225	1606	0	1606	46	4.2	2.93	12.2	95.0	107.2									
Subtotal (Section NET-W14)							1606	46	4.2		12.2	95.0	107.2	4528.2	255413	665.1	1.36	904.9	1322.4	2227.4	62,078

Appendix C

NWT-N Design Flows using Current Water Use Rates

NWT-N Estimated Wastewater Flows
Year = 2005, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	293.0	576.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	293.0	576.6	2383.0	62582	163.0	1.74	283.6	293.0	576.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	125.0	266.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	125.0	266.2	3047.0	89418	232.9	1.63	380.1	418.0	798.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	286.0	355.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	13.0	21.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	26.0	34.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	325.0	411.4	3479.0	103095	268.5	1.59	427.2	743.0	1170.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	18.0	22.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	102.0	157.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	120.0	179.7	3754.0	112455	292.9	1.57	458.9	863.0	1321.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	21.0	24.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	96.0	120.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	138.0	175.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	39.0	45.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	23.0	35.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	317.0	401.1	3965.0	124360	323.9	1.54	498.5	1180.0	1678.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	136.0	176.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	136.0	176.4	4090.0	130498	339.8	1.53	518.6	1316.0	1834.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	16.0	18.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	16.0	18.6	4105.0	130807	340.6	1.53	519.7	1332.0	1851.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	429.1	648.8	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	1761.1	2427.2	45,192

NWT-N Estimated Wastewater Flows
Year = 2005, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	333.0	616.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	333.0	616.6	2383.0	62582	163.0	1.74	283.6	333.0	616.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	148.0	289.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	148.0	289.2	3047.0	89418	232.9	1.63	380.1	481.0	861.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	369.0	438.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	16.0	24.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	34.0	42.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	419.0	505.4	3479.0	103095	268.5	1.59	427.2	900.0	1327.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	22.0	26.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	124.0	179.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	146.0	205.7	3754.0	112455	292.9	1.57	458.9	1046.0	1504.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	30.0	33.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	124.0	148.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	165.0	202.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	56.0	62.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	29.0	41.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	404.0	488.1	3965.0	124360	323.9	1.54	498.5	1450.0	1948.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	171.0	211.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	171.0	211.4	4090.0	130498	339.8	1.53	518.6	1621.0	2139.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	21.0	23.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	21.0	23.6	4105.0	130807	340.6	1.53	519.7	1642.0	2161.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	504.3	724.0	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	2146.3	2812.3	45,192

NWT-N Estimated Wastewater Flows
Year = 2005, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	355.0	638.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	355.0	638.6	2383.0	62582	163.0	1.74	283.6	355.0	638.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	161.0	302.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	161.0	302.2	3047.0	89418	232.9	1.63	380.1	516.0	896.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	420.0	489.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	19.0	27.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	39.0	47.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	478.0	564.4	3479.0	103095	268.5	1.59	427.2	994.0	1421.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	24.0	28.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	137.0	192.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	161.0	220.7	3754.0	112455	292.9	1.57	458.9	1155.0	1813.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	37.0	40.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	141.0	165.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	180.0	217.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	69.0	75.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	33.0	45.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	460.0	544.1	3965.0	124360	323.9	1.54	498.5	1815.0	2113.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	193.0	233.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	193.0	233.4	4090.0	130498	339.8	1.53	518.6	1808.0	2326.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	23.0	25.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	23.0	25.6	4105.0	130807	340.6	1.53	519.7	1831.0	2350.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	551.4	771.2	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	2382.4	3048.5	45,192

NWT-N Estimated Wastewater Flows
Year = 2005, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)	
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	383.0	666.6									
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	383.0	666.6		2383.0	62582	163.0	1.74	283.6	383.0	666.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	178.0	319.2									
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	178.0	319.2		3047.0	89418	232.9	1.63	380.1	561.0	941.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	486.0	555.5									
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	22.0	30.6									
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	45.0	53.4									
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	553.0	639.4		3479.0	103095	268.5	1.59	427.2	1114.0	1541.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	26.0	30.2									
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	152.0	207.5									
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	178.0	237.7		3754.0	112455	292.9	1.57	458.9	1292.0	1750.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	46.0	49.5									
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	164.0	188.6									
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	199.0	236.2									
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	86.0	92.7									
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	38.0	50.0									
Subtotal (Section NET-N5)						11906	211	31.0		84.1	533.0	617.1		3965.0	124360	323.9	1.54	498.5	1825.0	2323.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	220.0	260.4									
Subtotal (Section NET-N6)						6138	125	16.0		40.4	220.0	260.4		4090.0	130498	339.8	1.53	518.6	2045.0	2563.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	26.0	28.6									
Subtotal (Section NET-N7)						309	15	0.8		2.6	26.0	28.6		4105.0	130807	340.6	1.53	519.7	2071.0	2590.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	623.0	842.8	11,581	
Total Macaulay													5344.0	176673	460.1	1.45	666.1	2694.0	3360.1	45,192	

NWT-N Estimated Wastewater Flows
Year = 2005, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	420.0	703.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	420.0	703.6	2383.0	62582	163.0	1.74	283.6	420.0	703.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	200.0	341.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	200.0	341.2	3047.0	89418	232.9	1.63	380.1	620.0	1000.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	581.0	650.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	26.0	34.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	54.0	62.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	661.0	747.4	3479.0	103095	268.5	1.59	427.2	1281.0	1708.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	30.0	34.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	174.0	229.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	204.0	263.7	3754.0	112455	292.9	1.57	458.9	1485.0	1943.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	61.0	64.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	196.0	220.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	225.0	262.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	115.0	121.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	46.0	58.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	643.0	727.1	3965.0	124360	323.9	1.54	498.5	2128.0	2626.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	259.0	299.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	259.0	299.4	4090.0	130498	339.8	1.53	518.6	2387.0	2905.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	31.0	33.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	31.0	33.6	4105.0	130807	340.6	1.53	519.7	2418.0	2937.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	714.2	934.0	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	3132.2	3798.3	45,192

NWT-N Estimated Wastewater Flows
Year = 2015, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	57695	9620	67315	2383.0	175.3	1.72	301.1	293.0	594.1								
Subtotal (Section NWT-N1)						67315	2383.0	175.3		301.1	293.0	594.1	2383.0	67315	175.3	1.72	301.1	293.0	594.1	17,572
Saanich	City Boundary		225	20288	8821	29109	664.0	75.8	1.99	151.0	125.0	276.0								
Subtotal (Section NWT-N2)						29109	664.0	75.8		151.0	125.0	276.0	3047.0	96424	251.1	1.61	404.4	418.0	822.4	24,797
Saan/Vic	Cecelia		225	6617	7381	13998	380	36.45	2.25	81.90	286.0	367.9								
Victoria	Chapman		225	985	347	1332	17	3.47	2.97	10.32	13.0	23.3								
Victoria	Gorge		225	1271	46	1317	35	3.43	2.98	10.21	26.0	36.2								
Subtotal (Section NWT-N3)						16648	432.0	43.35		102.42	325.0	427.4	3479.0	113072	294.5	1.57	460.9	743.0	1203.9	28,983
Victoria	Selkirk		225	626	0	626	14.0	1.6	3.14	5.1	18.0	23.1								
Saanich	Harriet		225	8792	696	9488	261.0	24.7	2.38	58.9	102.0	160.9								
Subtotal (Section NWT-N4)						10114	275.0	26.34		64.0	120.0	184.0	3754.0	123186	320.8	1.54	494.6	863.0	1357.6	31,538
Victoria	Langford		225	505	9	514	9	1.3	3.17	4.3	21.0	25.3								
Victoria	Hereward		225	4178	127	4305	64	11.2	2.64	29.6	96.0	125.6								
Esquimalt	Devonshire		225	4666	1144	5810	106	15.1	2.55	38.5	138.0	176.5								
Esquimalt	Wilson		225	668	208	876	17	2.3	3.07	7.0	39.0	46.0								
Victoria	Sea Terrace		225	1816	127	1943	15	5.1	2.88	14.6	23.0	37.6								
Subtotal (Section NET-N5)						13447	211	35.0		94.0	317.0	411.0	3965.0	136633	355.8	1.51	538.7	1180.0	1718.7	34,779
Esquimalt	Head		225	5200	1184	6384	125	16.6	2.52	41.8	136.0	177.8								
Subtotal (Section NET-N6)						6384	125	16.6		41.8	136.0	177.8	4090.0	143017	372.4	1.50	559.3	1316.0	1875.3	36,342
Esquimalt	Anson		225	320	0	320	15	0.8	3.25	2.7	16.0	18.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	16.0	18.7	4105.0	143336	373.3	1.50	560.4	1332.0	1892.4	36,430
Subtotal (NWT-W)													2025.0	82113	213.8	1.66	354.4	542.0	896.5	20,537
Total Macaulay													6130.0	225450	587.1	1.39	815.5	1874.0	2689.5	56,967

NWT-N Estimated Wastewater Flows
Year = 2015, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	57695	9620	67315	2383.0	175.3	1.72	301.1	333.0	634.1								
Subtotal (Section NWT-N1)						67315	2383.0	175.3		301.1	333.0	634.1	2383.0	67315	175.3	1.72	301.1	333.0	634.1	17,572
Saanich	City Boundary		225	20288	8821	29109	664.0	75.8	1.99	151.0	148.0	299.0								
Subtotal (Section NWT-N2)						29109	664.0	75.8		151.0	148.0	299.0	3047.0	96424	251.1	1.61	404.4	481.0	885.4	24,797
Saan/Vic	Cecelia		225	6617	7381	13998	380	36.45	2.25	81.90	369.0	450.9								
Victoria	Chapman		225	985	347	1332	17	3.47	2.97	10.32	16.0	26.3								
Victoria	Gorge		225	1271	46	1317	35	3.43	2.98	10.21	34.0	44.2								
Subtotal (Section NWT-N3)						16648	432.0	43.35		102.42	419.0	521.4	3479.0	113072	294.5	1.57	460.9	900.0	1360.9	28,983
Victoria	Selkirk		225	626	0	626	14.0	1.6	3.14	5.1	22.0	27.1								
Saanich	Harriet		225	8792	696	9488	261.0	24.7	2.38	58.9	124.0	182.9								
Subtotal (Section NWT-N4)						10114	275.0	26.34		64.0	146.0	210.0	3754.0	123186	320.8	1.54	494.6	1046.0	1540.6	31,538
Victoria	Langford		225	505	9	514	9	1.3	3.17	4.3	30.0	34.3								
Victoria	Hereward		225	4178	127	4305	64	11.2	2.64	29.6	124.0	153.6								
Esquimalt	Devonshire		225	4666	1144	5810	106	15.1	2.55	38.5	165.0	203.5								
Esquimalt	Wilson		225	668	208	876	17	2.3	3.07	7.0	56.0	63.0								
Victoria	Sea Terrace		225	1816	127	1943	15	5.1	2.88	14.6	29.0	43.6								
Subtotal (Section NET-N5)						13447	211	35.0		94.0	404.0	498.0	3965.0	136633	355.8	1.51	538.7	1450.0	1988.7	34,779
Esquimalt	Head		225	5200	1184	6384	125	16.6	2.52	41.8	171.0	212.8								
Subtotal (Section NET-N6)						6384	125	16.6		41.8	171.0	212.8	4090.0	143017	372.4	1.50	559.3	1621.0	2180.3	36,342
Esquimalt	Anson		225	320	0	320	15	0.8	3.25	2.7	21.0	23.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	21.0	23.7	4105.0	143336	373.3	1.50	560.4	1642.0	2202.4	36,430
Subtotal (NWT-W)													2025.0	82113	213.8	1.66	354.4	627.3	981.7	20,537
Total Macaulay													6130.0	225450	587.1	1.39	815.5	2269.3	3084.8	56,967

NWT-N Estimated Wastewater Flows
Year = 2015, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	57695	9620	67315	2383.0	175.3	1.72	301.1	355.0	656.1								
Subtotal (Section NWT-N1)						67315	2383.0	175.3		301.1	355.0	656.1	2383.0	67315	175.3	1.72	301.1	355.0	656.1	17,572
Saanich	City Boundary		225	20288	8821	29109	664.0	75.8	1.99	151.0	161.0	312.0								
Subtotal (Section NWT-N2)						29109	664.0	75.8		151.0	161.0	312.0	3047.0	96424	251.1	1.61	404.4	516.0	920.4	24,797
Saan/Vic	Cecelia		225	6617	7381	13998	380	36.45	2.25	81.90	420.0	501.9								
Victoria	Chapman		225	985	347	1332	17	3.47	2.97	10.32	19.0	29.3								
Victoria	Gorge		225	1271	46	1317	35	3.43	2.98	10.21	39.0	49.2								
Subtotal (Section NWT-N3)						16648	432.0	43.35		102.42	478.0	580.4	3479.0	113072	294.5	1.57	460.9	994.0	1454.9	28,983
Victoria	Selkirk		225	626	0	626	14.0	1.6	3.14	5.1	24.0	29.1								
Saanich	Harriet		225	8792	696	9488	261.0	24.7	2.38	58.9	137.0	195.9								
Subtotal (Section NWT-N4)						10114	275.0	26.34		64.0	161.0	225.0	3754.0	123186	320.8	1.54	494.6	1155.0	1649.6	31,538
Victoria	Langford		225	505	9	514	9	1.3	3.17	4.3	37.0	41.3								
Victoria	Hereward		225	4178	127	4305	64	11.2	2.64	29.6	141.0	170.6								
Esquimalt	Devonshire		225	4666	1144	5810	106	15.1	2.55	38.5	180.0	218.5								
Esquimalt	Wilson		225	668	208	876	17	2.3	3.07	7.0	69.0	76.0								
Victoria	Sea Terrace		225	1816	127	1943	15	5.1	2.88	14.6	33.0	47.6								
Subtotal (Section NET-N5)						13447	211	35.0		94.0	460.0	554.0	3965.0	136633	355.8	1.51	538.7	1615.0	2153.7	34,779
Esquimalt	Head		225	5200	1184	6384	125	16.6	2.52	41.8	193.0	234.8								
Subtotal (Section NET-N6)						6384	125	16.6		41.8	193.0	234.8	4090.0	143017	372.4	1.50	559.3	1808.0	2367.3	36,342
Esquimalt	Anson		225	320	0	320	15	0.8	3.25	2.7	23.0	25.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	23.0	25.7	4105.0	143336	373.3	1.50	560.4	1831.0	2391.4	36,430
Subtotal (NWT-W)													2025.0	82113	213.8	1.66	354.4	684.5	1039.0	20,537
Total Macaulay													6130.0	225450	587.1	1.39	815.5	2515.5	3331.0	56,967

NWT-N Estimated Wastewater Flows
Year = 2015, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	57695	9620	67315	2383.0	175.3	1.72	301.1	383.0	684.1								
Subtotal (Section NWT-N1)						67315	2383.0	175.3		301.1	383.0	684.1	2383.0	67315	175.3	1.72	301.1	383.0	684.1	17,572
Saanich	City Boundary		225	20288	8821	29109	664.0	75.8	1.99	151.0	178.0	329.0								
Subtotal (Section NWT-N2)						29109	664.0	75.8		151.0	178.0	329.0	3047.0	96424	251.1	1.61	404.4	561.0	965.4	24,797
Saan/Vic	Cecelia		225	6617	7381	13998	380	36.45	2.25	81.90	486.0	567.9								
Victoria	Chapman		225	985	347	1332	17	3.47	2.97	10.32	22.0	32.3								
Victoria	Gorge		225	1271	46	1317	35	3.43	2.98	10.21	45.0	55.2								
Subtotal (Section NWT-N3)						16648	432.0	43.35		102.42	553.0	655.4	3479.0	113072	294.5	1.57	460.9	1114.0	1574.9	28,983
Victoria	Selkirk		225	626	0	626	14.0	1.6	3.14	5.1	26.0	31.1								
Saanich	Harriet		225	8792	696	9488	261.0	24.7	2.38	58.9	152.0	210.9								
Subtotal (Section NWT-N4)						10114	275.0	26.34		64.0	178.0	242.0	3754.0	123186	320.8	1.54	494.6	1292.0	1786.6	31,538
Victoria	Langford		225	505	9	514	9	1.3	3.17	4.3	46.0	50.3								
Victoria	Hereward		225	4178	127	4305	64	11.2	2.64	29.6	164.0	193.6								
Esquimalt	Devonshire		225	4666	1144	5810	106	15.1	2.55	38.5	199.0	237.5								
Esquimalt	Wilson		225	668	208	876	17	2.3	3.07	7.0	86.0	93.0								
Victoria	Sea Terrace		225	1816	127	1943	15	5.1	2.88	14.6	38.0	52.6								
Subtotal (Section NET-N5)						13447	211	35.0		94.0	533.0	627.0	3965.0	136633	355.8	1.51	538.7	1825.0	2363.7	34,779
Esquimalt	Head		225	5200	1184	6384	125	16.6	2.52	41.8	220.0	261.8								
Subtotal (Section NET-N6)						6384	125	16.6		41.8	220.0	261.8	4090.0	143017	372.4	1.50	559.3	2045.0	2604.3	36,342
Esquimalt	Anson		225	320	0	320	15	0.8	3.25	2.7	26.0	28.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	26.0	28.7	4105.0	143336	373.3	1.50	560.4	2071.0	2631.4	36,430
Subtotal (NWT-W)													2025.0	82113	213.8	1.66	354.4	761.2	1115.6	20,537
Total Macaulay													6130.0	225450	587.1	1.39	815.5	2832.2	3647.7	56,967

NWT-N Estimated Wastewater Flows
Year = 2015, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	57695	9620	67315	2383.0	175.3	1.72	301.1	420.0	721.1								
Subtotal (Section NWT-N1)						67315	2383.0	175.3		301.1	420.0	721.1	2383.0	67315	175.3	1.72	301.1	420.0	721.1	17,572
Saanich	City Boundary		225	20288	8821	29109	664.0	75.8	1.99	151.0	200.0	351.0								
Subtotal (Section NWT-N2)						29109	664.0	75.8		151.0	200.0	351.0	3047.0	96424	251.1	1.61	404.4	620.0	1024.4	24,797
Saan/Vic	Cecelia		225	6617	7381	13998	380	36.45	2.25	81.90	581.0	662.9								
Victoria	Chapman		225	985	347	1332	17	3.47	2.97	10.32	26.0	36.3								
Victoria	Gorge		225	1271	46	1317	35	3.43	2.98	10.21	54.0	64.2								
Subtotal (Section NWT-N3)						16648	432.0	43.35		102.42	661.0	763.4	3479.0	113072	294.5	1.57	460.9	1281.0	1741.9	28,983
Victoria	Selkirk		225	626	0	626	14.0	1.6	3.14	5.1	30.0	35.1								
Saanich	Harriet		225	8792	696	9488	261.0	24.7	2.38	58.9	174.0	232.9								
Subtotal (Section NWT-N4)						10114	275.0	26.34		64.0	204.0	268.0	3754.0	123186	320.8	1.54	494.6	1485.0	1979.6	31,538
Victoria	Langford		225	505	9	514	9	1.3	3.17	4.3	61.0	65.3								
Victoria	Hereford		225	4178	127	4305	64	11.2	2.64	29.6	196.0	225.6								
Esquimalt	Devonshire		225	4666	1144	5810	106	15.1	2.55	38.5	225.0	263.5								
Esquimalt	Wilson		225	668	208	876	17	2.3	3.07	7.0	115.0	122.0								
Victoria	Sea Terrace		225	1816	127	1943	15	5.1	2.88	14.6	46.0	60.6								
Subtotal (Section NET-N5)						13447	211	35.0		94.0	643.0	737.0	3965.0	136633	355.8	1.51	538.7	2128.0	2666.7	34,779
Esquimalt	Head		225	5200	1184	6384	125	16.6	2.52	41.8	259.0	300.8								
Subtotal (Section NET-N6)						6384	125	16.6		41.8	259.0	300.8	4090.0	143017	372.4	1.50	559.3	2387.0	2946.3	36,342
Esquimalt	Anson		225	320	0	320	15	0.8	3.25	2.7	31.0	33.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	31.0	33.7	4105.0	143336	373.3	1.50	560.4	2418.0	2978.4	36,430
Subtotal (NWT-W)													2025.0	82113	213.8	1.66	354.4	862.4	1216.9	20,537
Total Macaulay													6130.0	225450	587.1	1.39	815.5	3280.4	4095.9	56,967

NWT-N Estimated Wastewater Flows
Year = 2030, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	61956	11194	73149	2383.0	190.5	1.69	322.4	293.0	615.4								
Subtotal (Section NWT-N1)						73149	2383.0	190.5		322.4	293.0	615.4	2383.0	73149	190.5	1.69	322.4	293.0	615.4	18,884
Saanich	City Boundary		225	21786	10264	32050	664.0	83.5	1.96	163.5	125.0	288.5								
Subtotal (Section NWT-N2)						32050	664.0	83.5		163.5	125.0	288.5	3047.0	105199	274.0	1.59	434.4	418.0	852.4	26,772
Saan/Vic	Cecelia		225	6803	8170	14973	380	38.99	2.22	86.69	286.0	372.7								
Victoria	Chapman		225	1197	384	1581	17	4.12	2.93	12.06	13.0	25.1								
Victoria	Gorge		225	1544	51	1594	35	4.15	2.93	12.16	26.0	38.2								
Subtotal (Section NWT-N3)						18148	432.0	47.26		110.91	325.0	435.9	3479.0	123347	321.2	1.54	495.1	743.0	1238.1	31,295
Victoria	Selkirk		225	760	0	760	14.0	2.0	3.10	6.1	18.0	24.1								
Saanich	Harriet		225	9442	810	10251	261.0	26.7	2.36	62.9	102.0	164.9								
Subtotal (Section NWT-N4)						11011	275.0	28.67		69.0	120.0	189.0	3754.0	134358	349.9	1.52	531.3	863.0	1394.3	34,052
Victoria	Langford		225	613	10	623	9	1.6	3.14	5.1	21.0	26.1								
Victoria	Hereward		225	5072	141	5213	64	13.6	2.58	35.1	96.0	131.1								
Esquimalt	Devonshire		225	4212	1189	5401	106	14.1	2.57	36.2	138.0	174.2								
Esquimalt	Wilson		225	603	217	819	17	2.1	3.08	6.6	39.0	45.6								
Victoria	Sea Terrace		225	2205	141	2345	15	6.1	2.82	17.3	23.0	40.3								
Subtotal (Section NET-N5)						14402	211	37.5		100.1	317.0	417.1	3985.0	148760	387.4	1.49	577.8	1180.0	1757.8	37,507
Esquimalt	Head		225	4694	1231	5925	125	15.4	2.54	39.2	136.0	175.2								
Subtotal (Section NET-N6)						5925	125	15.4		39.2	136.0	175.2	4090.0	154685	402.8	1.48	596.7	1316.0	1912.7	38,968
Esquimalt	Anson		225	288	0	288	15	0.8	3.27	2.5	16.0	18.5								
Subtotal (Section NET-N7)						288	15	0.8		2.5	16.0	18.5	4105.0	154973	403.6	1.48	597.7	1332.0	1929.7	39,048
Subtotal (NWT-W)													3164.0	146488	381.5	1.50	570.5	705.7	1276.2	36,181
Total Macaulay													7269.0	301462	785.1	1.32	1039.6	2037.7	3077.3	75,229

NWT-N Estimated Wastewater Flows
Year = 2030, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Saanich	Marigold		225	61956	11194	73149	2383.0	190.5	1.69	322.4	333.0	655.4									
Subtotal (Section NWT-N1)						73149	2383.0	190.5		322.4	333.0	655.4		2383.0	73149	190.5	1.69	322.4	333.0	655.4	18,884
Saanich	City Boundary		225	21786	10264	32050	664.0	83.5	1.96	163.5	148.0	311.5									
Subtotal (Section NWT-N2)						32050	664.0	83.5		163.5	148.0	311.5		3047.0	105199	274.0	1.59	434.4	481.0	915.4	26,772
Saan/Vic	Cecelia		225	6803	8170	14973	380	38.99	2.22	86.69	369.0	455.7									
Victoria	Chapman		225	1197	384	1581	17	4.12	2.93	12.06	16.0	28.1									
Victoria	Gorge		225	1544	51	1594	35	4.15	2.93	12.16	34.0	46.2									
Subtotal (Section NWT-N3)						18148	432.0	47.26		110.91	419.0	529.9		3479.0	123347	321.2	1.54	495.1	900.0	1395.1	31,295
Victoria	Selkirk		225	760	0	760	14.0	2.0	3.10	6.1	22.0	28.1									
Saanich	Harriet		225	9442	810	10251	261.0	26.7	2.36	62.9	124.0	186.9									
Subtotal (Section NWT-N4)						11011	275.0	28.67		69.0	146.0	215.0		3754.0	134358	349.9	1.52	531.3	1046.0	1577.3	34,052
Victoria	Langford		225	613	10	623	9	1.6	3.14	5.1	30.0	35.1									
Victoria	Hereward		225	5072	141	5213	64	13.6	2.58	35.1	124.0	159.1									
Esquimalt	Devonshire		225	4212	1189	5401	106	14.1	2.57	36.2	165.0	201.2									
Esquimalt	Wilson		225	603	217	819	17	2.1	3.08	6.6	56.0	62.6									
Victoria	Sea Terrace		225	2205	141	2345	15	6.1	2.82	17.3	29.0	46.3									
Subtotal (Section NET-N5)						14402	211	37.5		100.1	404.0	504.1		3985.0	148760	387.4	1.49	577.8	1450.0	2027.8	37,507
Esquimalt	Head		225	4694	1231	5925	125	15.4	2.54	39.2	171.0	210.2									
Subtotal (Section NET-N6)						5925	125	15.4		39.2	171.0	210.2		4090.0	154685	402.8	1.48	596.7	1621.0	2217.7	38,968
Esquimalt	Anson		225	288	0	288	15	0.8	3.27	2.5	21.0	23.5									
Subtotal (Section NET-N7)						288	15	0.8		2.5	21.0	23.5		4105.0	154973	403.6	1.48	597.7	1642.0	2239.7	39,048
Subtotal (NWT-W)													3164.0	146488	358.6	1.50	536.3	805.6	1341.8	34,203	
Total Macaulay													7269.0	301462	762.2	1.32	1009.3	2447.6	3456.9	73,251	

NWT-N Estimated Wastewater Flows
Year = 2030, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	61956	11194	73149	2383.0	190.5	1.69	322.4	355.0	677.4								
Subtotal (Section NWT-N1)						73149	2383.0	190.5		322.4	355.0	677.4	2383.0	73149	190.5	1.69	322.4	355.0	677.4	18,884
Saanich	City Boundary		225	21786	10264	32050	664.0	83.5	1.96	163.5	161.0	324.5								
Subtotal (Section NWT-N2)						32050	664.0	83.5		163.5	161.0	324.5	3047.0	105199	274.0	1.59	434.4	516.0	950.4	26,772
Saan/Vic	Cecelia		225	6803	8170	14973	380	38.99	2.22	86.69	420.0	506.7								
Victoria	Chapman		225	1197	384	1581	17	4.12	2.93	12.06	19.0	31.1								
Victoria	Gorge		225	1544	51	1594	35	4.15	2.93	12.16	39.0	51.2								
Subtotal (Section NWT-N3)						18148	432.0	47.26		110.91	478.0	588.9	3479.0	123347	321.2	1.54	495.1	994.0	1489.1	31,295
Victoria	Selkirk		225	760	0	760	14.0	2.0	3.10	6.1	24.0	30.1								
Saanich	Harriet		225	9442	810	10251	261.0	26.7	2.36	62.9	137.0	199.9								
Subtotal (Section NWT-N4)						11011	275.0	28.67		69.0	161.0	230.0	3754.0	134358	349.9	1.52	531.3	1155.0	1686.3	34,052
Victoria	Langford		225	613	10	623	9	1.6	3.14	5.1	37.0	42.1								
Victoria	Hereward		225	5072	141	5213	64	13.6	2.58	35.1	141.0	176.1								
Esquimalt	Devonshire		225	4212	1189	5401	106	14.1	2.57	36.2	180.0	216.2								
Esquimalt	Wilson		225	603	217	819	17	2.1	3.08	6.6	69.0	75.6								
Victoria	Sea Terrace		225	2205	141	2345	15	6.1	2.82	17.3	33.0	50.3								
Subtotal (Section NET-N5)						14402	211	37.5		100.1	460.0	560.1	3985.0	148760	387.4	1.49	577.8	1615.0	2192.8	37,507
Esquimalt	Head		225	4694	1231	5925	125	15.4	2.54	39.2	193.0	232.2								
Subtotal (Section NET-N6)						5925	125	15.4		39.2	193.0	232.2	4090.0	154685	402.8	1.48	596.7	1808.0	2404.7	38,968
Esquimalt	Anson		225	288	0	288	15	0.8	3.27	2.5	23.0	25.5								
Subtotal (Section NET-N7)						288	15	0.8		2.5	23.0	25.5	4105.0	154973	403.6	1.48	597.7	1831.0	2428.7	39,048
Subtotal (NWT-W)													3164.0	146488	358.6	1.50	536.3	877.4	1413.7	34,203
Total Macaulay													7269.0	301462	762.2	1.32	1009.3	2708.4	3717.8	73,251

NWT-N Estimated Wastewater Flows
Year = 2030, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	61956	11194	73149	2383.0	190.5	1.69	322.4	383.0	705.4								
Subtotal (Section NWT-N1)						73149	2383.0	190.5		322.4	383.0	705.4	2383.0	73149	190.5	1.69	322.4	383.0	705.4	18,884
Saanich	City Boundary		225	21786	10264	32050	664.0	83.5	1.96	163.5	178.0	341.5								
Subtotal (Section NWT-N2)						32050	664.0	83.5		163.5	178.0	341.5	3047.0	105199	274.0	1.59	434.4	561.0	995.4	26,772
Saan/Vic	Cecelia		225	6803	8170	14973	380	38.99	2.22	86.69	486.0	572.7								
Victoria	Chapman		225	1197	384	1581	17	4.12	2.93	12.06	22.0	34.1								
Victoria	Gorge		225	1544	51	1594	35	4.15	2.93	12.16	45.0	57.2								
Subtotal (Section NWT-N3)						18148	432.0	47.26		110.91	553.0	663.9	3479.0	123347	321.2	1.54	495.1	1114.0	1609.1	31,295
Victoria	Selkirk		225	760	0	760	14.0	2.0	3.10	6.1	26.0	32.1								
Saanich	Harriet		225	9442	810	10251	261.0	26.7	2.36	62.9	152.0	214.9								
Subtotal (Section NWT-N4)						11011	275.0	28.67		69.0	178.0	247.0	3754.0	134358	349.9	1.52	531.3	1292.0	1823.3	34,052
Victoria	Langford		225	613	10	623	9	1.6	3.14	5.1	46.0	51.1								
Victoria	Hereward		225	5072	141	5213	64	13.6	2.58	35.1	164.0	199.1								
Esquimalt	Devonshire		225	4212	1189	5401	106	14.1	2.57	36.2	199.0	235.2								
Esquimalt	Wilson		225	603	217	819	17	2.1	3.08	6.6	86.0	92.6								
Victoria	Sea Terrace		225	2205	141	2345	15	6.1	2.82	17.3	38.0	55.3								
Subtotal (Section NET-N5)						14402	211	37.5		100.1	533.0	633.1	3965.0	148760	387.4	1.49	577.8	1825.0	2402.8	37,507
Esquimalt	Head		225	4694	1231	5925	125	15.4	2.54	39.2	220.0	259.2								
Subtotal (Section NET-N6)						5925	125	15.4		39.2	220.0	259.2	4090.0	154685	402.8	1.48	596.7	2045.0	2641.7	38,968
Esquimalt	Anson		225	288	0	288	15	0.8	3.27	2.5	26.0	28.5								
Subtotal (Section NET-N7)						288	15	0.8		2.5	26.0	28.5	4105.0	154973	403.6	1.48	597.7	2071.0	2668.7	39,048
Subtotal (NWT-W)													3164.0	146488	358.6	1.50	536.3	961.4	1497.6	34,203
Total Macaulay													7269.0	301462	762.2	1.32	1009.3	3032.4	4041.7	73,251

NWT-N Estimated Wastewater Flows
Year = 2030, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	61956	11194	73149	2383.0	190.5	1.69	322.4	420.0	742.4								
Subtotal (Section NWT-N1)						73149	2383.0	190.5		322.4	420.0	742.4	2383.0	73149	190.5	1.69	322.4	420.0	742.4	18,884
Saanich	City Boundary		225	21786	10264	32050	664.0	83.5	1.96	163.5	200.0	363.5								
Subtotal (Section NWT-N2)						32050	664.0	83.5		163.5	200.0	363.5	3047.0	105199	274.0	1.59	434.4	620.0	1054.4	26,772
Saan/Vic	Cecelia		225	6803	8170	14973	380	38.99	2.22	86.69	581.0	667.7								
Victoria	Chapman		225	1197	384	1581	17	4.12	2.93	12.06	26.0	38.1								
Victoria	Gorge		225	1544	51	1594	35	4.15	2.93	12.16	54.0	66.2								
Subtotal (Section NWT-N3)						18148	432.0	47.26		110.91	661.0	771.9	3479.0	123347	321.2	1.54	495.1	1281.0	1776.1	31,295
Victoria	Selkirk		225	760	0	760	14.0	2.0	3.10	6.1	30.0	36.1								
Saanich	Harriet		225	9442	810	10251	261.0	26.7	2.36	62.9	174.0	236.9								
Subtotal (Section NWT-N4)						11011	275.0	28.67		69.0	204.0	273.0	3754.0	134358	349.9	1.52	531.3	1485.0	2016.3	34,052
Victoria	Langford		225	613	10	623	9	1.6	3.14	5.1	61.0	66.1								
Victoria	Hereward		225	5072	141	5213	64	13.6	2.58	35.1	196.0	231.1								
Esquimalt	Devonshire		225	4212	1189	5401	106	14.1	2.57	36.2	225.0	261.2								
Esquimalt	Wilson		225	603	217	819	17	2.1	3.08	6.6	115.0	121.6								
Victoria	Sea Terrace		225	2205	141	2345	15	6.1	2.82	17.3	46.0	63.3								
Subtotal (Section NET-N5)						14402	211	37.5		100.1	643.0	743.1	3965.0	148760	387.4	1.49	577.8	2128.0	2705.8	37,507
Esquimalt	Head		225	4694	1231	5925	125	15.4	2.54	39.2	259.0	298.2								
Subtotal (Section NET-N6)						5925	125	15.4		39.2	259.0	298.2	4090.0	154685	402.8	1.48	596.7	2387.0	2983.7	38,968
Esquimalt	Anson		225	288	0	288	15	0.8	3.27	2.5	31.0	33.5								
Subtotal (Section NET-N7)						288	15	0.8		2.5	31.0	33.5	4105.0	154973	403.6	1.48	597.7	2418.0	3015.7	39,048
Subtotal (NWT-W)													3164.0	146488	358.6	1.50	536.3	1077.2	1613.5	34,203
Total Macaulay													7269.0	301462	762.2	1.32	1009.3	3495.2	4504.5	73,251

NWT-N Estimated Wastewater Flows
Year = 2045, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Saanich	Marigold		225	66216	12767	78983	2383.0	205.7	1.67	343.3	293.0	636.3									
Subtotal (Section NWT-N1)						78983	2383.0	205.7		343.3	293.0	636.3		2383.0	78983	205.7	1.67	343.3	293.0	636.3	20,197
Saanich	City Boundary		225	23284	11707	34991	664.0	91.1	1.93	175.8	125.0	300.8									
Subtotal (Section NWT-N2)						34991	664.0	91.1		175.8	125.0	300.8		3047.0	113974	296.8	1.56	464.0	418.0	882.0	28,746
Saan/Vic	Cecelia		225	6135	8958	15093	380	39.31	2.22	87.27	286.0	373.3									
Victoria	Chapman		225	1259	420	1679	17	4.37	2.91	12.74	13.0	25.7									
Victoria	Gorge		225	1622	55	1677	35	4.37	2.92	12.73	26.0	38.7									
Subtotal (Section NWT-N3)						18449	432.0	48.05		112.75	325.0	437.8		3479.0	132423	344.9	1.52	524.9	743.0	1267.9	33,337
Victoria	Selkirk		225	798	0	798	14.0	2.1	3.09	6.4	18.0	24.4									
Saanich	Harriet		225	10091	923	11014	261.0	28.7	2.33	66.8	102.0	168.8									
Subtotal (Section NWT-N4)						11813	275.0	30.76		73.3	120.0	193.3		3754.0	144236	375.6	1.50	563.3	863.0	1426.3	36,275
Victoria	Langford		225	644	11	655	9	1.7	3.13	5.3	21.0	26.3									
Victoria	Hereward		225	5330	154	5484	64	14.3	2.57	36.6	96.0	132.6									
Esquimalt	Devonshire		225	4896	1234	6130	106	16.0	2.53	40.4	138.0	178.4									
Esquimalt	Wilson		225	701	225	926	17	2.4	3.06	7.4	39.0	46.4									
Victoria	Sea Terrace		225	2317	154	2471	15	6.4	2.81	18.1	23.0	41.1									
Subtotal (Section NET-N5)						15666	211	40.8		107.8	317.0	424.8		3965.0	159902	416.4	1.47	613.3	1180.0	1793.3	40,014
Esquimalt	Head		225	5457	1278	6735	125	17.5	2.50	43.8	136.0	179.8									
Subtotal (Section NET-N6)						6735	125	17.5		43.8	136.0	179.8		4090.0	166636	433.9	1.46	634.6	1316.0	1950.6	41,657
Esquimalt	Anson		225	335	0	335	15	0.9	3.25	2.8	16.0	18.8									
Subtotal (Section NET-N7)						335	15	0.9		2.8	16.0	18.8		4105.0	166972	434.8	1.46	635.7	1332.0	1967.7	41,747
Subtotal (NWT-W)													3784.0	193767	504.6	1.42	719.1	794.8	1513.8	47,450	
Total Macaulay													7889.0	360738	939.4	1.29	1209.1	2126.8	3335.9	89,197	

NWT-N Estimated Wastewater Flows
Year = 2045, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	66216	12767	78983	2383.0	205.7	1.67	343.3	333.0	676.3								
Subtotal (Section NWT-N1)						78983	2383.0	205.7		343.3	333.0	676.3	2383.0	78983	205.7	1.67	343.3	333.0	676.3	20,197
Saanich	City Boundary		225	23284	11707	34991	664.0	91.1	1.93	175.8	148.0	323.8								
Subtotal (Section NWT-N2)						34991	664.0	91.1		175.8	148.0	323.8	3047.0	113974	296.8	1.56	464.0	481.0	945.0	28,746
Saan/Vic	Cecelia		225	6135	8958	15093	380	39.31	2.22	87.27	369.0	456.3								
Victoria	Chapman		225	1259	420	1679	17	4.37	2.91	12.74	16.0	28.7								
Victoria	Gorge		225	1622	55	1677	35	4.37	2.92	12.73	34.0	46.7								
Subtotal (Section NWT-N3)						18449	432.0	48.05		112.75	419.0	531.8	3479.0	132423	344.9	1.52	524.9	900.0	1424.9	33,337
Victoria	Selkirk		225	798	0	798	14.0	2.1	3.09	6.4	22.0	28.4								
Saanich	Harriet		225	10091	923	11014	261.0	28.7	2.33	66.8	124.0	190.8								
Subtotal (Section NWT-N4)						11813	275.0	30.76		73.3	146.0	219.3	3754.0	144236	375.6	1.50	563.3	1046.0	1609.3	36,275
Victoria	Langford		225	644	11	655	9	1.7	3.13	5.3	30.0	35.3								
Victoria	Hereward		225	5330	154	5484	64	14.3	2.57	36.6	124.0	160.6								
Esquimalt	Devonshire		225	4896	1234	6130	106	16.0	2.53	40.4	165.0	205.4								
Esquimalt	Wilson		225	701	225	926	17	2.4	3.06	7.4	56.0	63.4								
Victoria	Sea Terrace		225	2317	154	2471	15	6.4	2.81	18.1	29.0	47.1								
Subtotal (Section NET-N5)						15666	211	40.8		107.8	404.0	511.8	3965.0	159902	416.4	1.47	613.3	1450.0	2063.3	40,014
Esquimalt	Head		225	5457	1278	6735	125	17.5	2.50	43.8	171.0	214.8								
Subtotal (Section NET-N6)						6735	125	17.5		43.8	171.0	214.8	4090.0	166636	433.9	1.46	634.6	1621.0	2255.6	41,657
Esquimalt	Anson		225	335	0	335	15	0.9	3.25	2.8	21.0	23.8								
Subtotal (Section NET-N7)						335	15	0.9		2.8	21.0	23.8	4105.0	166972	434.8	1.46	635.7	1642.0	2277.7	41,747
Subtotal (NWT-W)													3784.0	193767	504.6	1.42	719.1	902.6	1621.7	47,450
Total Macaulay													7889.0	360738	939.4	1.29	1209.1	2544.6	3753.7	89,197

NWT-N Estimated Wastewater Flows
 Year = 2045, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Saanich	Marigold		225	66216	12767	78983	2383.0	205.7	1.67	343.3	355.0	698.3									
Subtotal (Section NWT-N1)						78983	2383.0	205.7		343.3	355.0	698.3		2383.0	78983	205.7	1.67	343.3	355.0	698.3	20,197
Saanich	City Boundary		225	23284	11707	34991	664.0	91.1	1.93	175.8	161.0	336.8									
Subtotal (Section NWT-N2)						34991	664.0	91.1		175.8	161.0	336.8		3047.0	113974	296.8	1.56	464.0	516.0	980.0	28,746
Saan/Vic	Cecelia		225	6135	8958	15093	380	39.31	2.22	87.27	420.0	507.3									
Victoria	Chapman		225	1259	420	1679	17	4.37	2.91	12.74	19.0	31.7									
Victoria	Gorge		225	1622	55	1677	35	4.37	2.92	12.73	39.0	51.7									
Subtotal (Section NWT-N3)						18449	432.0	48.05		112.75	478.0	590.8		3479.0	132423	344.9	1.52	524.9	994.0	1518.9	33,337
Victoria	Selkirk		225	798	0	798	14.0	2.1	3.09	6.4	24.0	30.4									
Saanich	Harriet		225	10091	923	11014	261.0	28.7	2.33	66.8	137.0	203.8									
Subtotal (Section NWT-N4)						11813	275.0	30.76		73.3	161.0	234.3		3754.0	144236	375.6	1.50	563.3	1155.0	1718.3	36,275
Victoria	Langford		225	644	11	655	9	1.7	3.13	5.3	37.0	42.3									
Victoria	Hereward		225	5330	154	5484	64	14.3	2.57	36.6	141.0	177.6									
Esquimalt	Devonshire		225	4896	1234	6130	106	16.0	2.53	40.4	180.0	220.4									
Esquimalt	Wilson		225	701	225	926	17	2.4	3.06	7.4	69.0	76.4									
Victoria	Sea Terrace		225	2317	154	2471	15	6.4	2.81	18.1	33.0	51.1									
Subtotal (Section NET-N5)						15666	211	40.8		107.8	460.0	567.8		3965.0	159902	416.4	1.47	613.3	1615.0	2228.3	40,014
Esquimalt	Head		225	5457	1278	6735	125	17.5	2.50	43.8	193.0	236.8									
Subtotal (Section NET-N6)						6735	125	17.5		43.8	193.0	236.8		4090.0	166636	433.9	1.46	634.6	1808.0	2442.6	41,657
Esquimalt	Anson		225	335	0	335	15	0.9	3.25	2.8	23.0	25.8									
Subtotal (Section NET-N7)						335	15	0.9		2.8	23.0	25.8		4105.0	166972	434.8	1.46	635.7	1831.0	2466.7	41,747
Subtotal (NWT-W)													3784.0	193767	504.6	1.42	719.1	982.4	1701.5	47,450	
Total Macaulay													7889.0	360738	939.4	1.29	1209.1	2813.4	4022.5	89,197	

NWT-N Estimated Wastewater Flows
Year = 2045, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Saanich	Marigold		225	66216	12767	78983	2383.0	205.7	1.67	343.3	383.0	726.3									
Subtotal (Section NWT-N1)						78983	2383.0	205.7		343.3	383.0	726.3		2383.0	78983	205.7	1.67	343.3	383.0	726.3	20,197
Saanich	City Boundary		225	23284	11707	34991	664.0	91.1	1.93	175.8	178.0	353.8									
Subtotal (Section NWT-N2)						34991	664.0	91.1		175.8	178.0	353.8		3047.0	113974	296.8	1.56	464.0	561.0	1025.0	28,746
Saan/Vic	Cecelia		225	6135	8958	15093	380	39.31	2.22	87.27	486.0	573.3									
Victoria	Chapman		225	1259	420	1679	17	4.37	2.91	12.74	22.0	34.7									
Victoria	Gorge		225	1622	55	1677	35	4.37	2.92	12.73	45.0	57.7									
Subtotal (Section NWT-N3)						18449	432.0	48.05		112.75	553.0	665.8		3479.0	132423	344.9	1.52	524.9	1114.0	1638.9	33,337
Victoria	Selkirk		225	798	0	798	14.0	2.1	3.09	6.4	26.0	32.4									
Saanich	Harriet		225	10091	923	11014	261.0	28.7	2.33	66.8	152.0	218.8									
Subtotal (Section NWT-N4)						11813	275.0	30.76		73.3	178.0	251.3		3754.0	144236	375.6	1.50	563.3	1292.0	1855.3	36,275
Victoria	Langford		225	644	11	655	9	1.7	3.13	5.3	46.0	51.3									
Victoria	Hereward		225	5330	154	5484	64	14.3	2.57	36.6	164.0	200.6									
Esquimalt	Devonshire		225	4896	1234	6130	106	16.0	2.53	40.4	199.0	239.4									
Esquimalt	Wilson		225	701	225	926	17	2.4	3.06	7.4	86.0	93.4									
Victoria	Sea Terrace		225	2317	154	2471	15	6.4	2.81	18.1	38.0	56.1									
Subtotal (Section NET-N5)						15666	211	40.8		107.8	533.0	640.8		3965.0	159902	416.4	1.47	613.3	1825.0	2438.3	40,014
Esquimalt	Head		225	5457	1278	6735	125	17.5	2.50	43.8	220.0	263.8									
Subtotal (Section NET-N6)						6735	125	17.5		43.8	220.0	263.8		4090.0	166636	433.9	1.46	634.6	2045.0	2879.6	41,657
Esquimalt	Anson		225	335	0	335	15	0.9	3.25	2.8	26.0	28.8									
Subtotal (Section NET-N7)						335	15	0.9		2.8	26.0	28.8		4105.0	166972	434.8	1.46	635.7	2071.0	2706.7	41,747
Subtotal (NWT-W)													3784.0	193767	504.6	1.42	719.1	1070.3	1789.4	47,450	
Total Macaulay													7889.0	360738	939.4	1.29	1209.1	3141.3	4350.5	89,197	

NWT-N Estimated Wastewater Flows
Year = 2045, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		225	66216	12767	78983	2383.0	205.7	1.67	343.3	420.0	763.3								
Subtotal (Section NWT-N1)						78983	2383.0	205.7		343.3	420.0	763.3	2383.0	78983	205.7	1.67	343.3	420.0	763.3	20,197
Saanich	City Boundary		225	23284	11707	34991	664.0	91.1	1.93	175.8	200.0	375.8								
Subtotal (Section NWT-N2)						34991	664.0	91.1		175.8	200.0	375.8	3047.0	113974	296.8	1.56	464.0	620.0	1084.0	28,746
Saan/Vic	Cecelia		225	6135	8958	15093	380	39.31	2.22	87.27	581.0	668.3								
Victoria	Chapman		225	1259	420	1679	17	4.37	2.91	12.74	26.0	38.7								
Victoria	Gorge		225	1622	55	1677	35	4.37	2.92	12.73	54.0	66.7								
Subtotal (Section NWT-N3)						18449	432.0	48.05		112.75	661.0	773.8	3479.0	132423	344.9	1.52	524.9	1281.0	1805.9	33,337
Victoria	Selkirk		225	798	0	798	14.0	2.1	3.09	6.4	30.0	36.4								
Saanich	Harriet		225	10091	923	11014	261.0	28.7	2.33	66.8	174.0	240.8								
Subtotal (Section NWT-N4)						11813	275.0	30.76		73.3	204.0	277.3	3754.0	144236	375.6	1.50	563.3	1485.0	2048.3	36,275
Victoria	Langford		225	644	11	655	9	1.7	3.13	5.3	61.0	66.3								
Victoria	Hereward		225	5330	154	5484	64	14.3	2.57	36.6	196.0	232.6								
Esquimalt	Devonshire		225	4896	1234	6130	106	16.0	2.53	40.4	225.0	265.4								
Esquimalt	Wilson		225	701	225	926	17	2.4	3.06	7.4	115.0	122.4								
Victoria	Sea Terrace		225	2317	154	2471	15	6.4	2.81	18.1	46.0	64.1								
Subtotal (Section NET-N5)						15666	211	40.8		107.8	643.0	750.8	3965.0	159902	416.4	1.47	613.3	2128.0	2741.3	40,014
Esquimalt	Head		225	5457	1278	6735	125	17.5	2.50	43.8	259.0	302.8								
Subtotal (Section NET-N6)						6735	125	17.5		43.8	259.0	302.8	4090.0	166636	433.9	1.46	634.6	2387.0	3021.6	41,657
Esquimalt	Anson		225	335	0	335	15	0.9	3.25	2.8	31.0	33.8								
Subtotal (Section NET-N7)						335	15	0.9		2.8	31.0	33.8	4105.0	166972	434.8	1.46	635.7	2418.0	3053.7	41,747
Subtotal (NWT-W)													3784.0	193767	504.6	1.42	719.1	1194.1	1913.2	47,450
Total Macaulay													7889.0	360738	939.4	1.29	1209.1	3612.1	4821.2	89,197

NWT-N Estimated Wastewater Flows
Year = 2065, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	67613	13035	80648	2383.0	210.0	1.66	349.2	293.0	642.2								
Subtotal (Section NWT-N1)						80648	2383.0	210.0		349.2	293.0	642.2	2383.0	80648	210.0	1.66	349.2	293.0	642.2	20,572
Saanich	City Boundary		225	23775	11953	35728	664.0	93.0	1.92	178.9	125.0	303.9								
Subtotal (Section NWT-N2)						35728	664.0	93.0		178.9	125.0	303.9	3047.0	116376	303.1	1.56	472.0	418.0	890.0	29,286
Saan/Vic	Cecelia		225	6265	9137	15402	380	40.11	2.21	88.77	286.0	374.8								
Victoria	Chapman		225	1284	428	1712	17	4.46	2.91	12.97	13.0	26.0								
Victoria	Gorge		225	1655	56	1711	35	4.46	2.91	12.96	26.0	39.0								
Subtotal (Section NWT-N3)						18825	432.0	49.02		114.71	325.0	439.7	3479.0	135200	352.1	1.52	534.0	743.0	1277.0	33,962
Victoria	Selkirk		225	814		814	14.0	2.1	3.08	6.5	18.0	24.5								
Saanich	Harriet		225	10304	942	11246	261.0	29.3	2.32	68.0	102.0	170.0								
Subtotal (Section NWT-N4)						12061	275.0	31.41		74.6	120.0	194.6	3754.0	147261	383.5	1.49	573.0	863.0	1436.0	36,955
Victoria	Langford		225	657	11	668	9	1.7	3.12	5.4	21.0	26.4								
Victoria	Hereward		225	5436	157	5593	64	14.6	2.56	37.3	96.0	133.3								
Esquimalt	Devonshire		225	4995	4994	9990	106	26.0	2.36	61.5	138.0	199.5								
Esquimalt	Wilson		225	715	715	1429	17	3.7	2.96	11.0	39.0	50.0								
Victoria	Sea Terrace		225	2363	157	2520	15	6.6	2.80	18.4	23.0	41.4								
Subtotal (Section NET-N5)						20200	211	52.6		133.6	317.0	450.6	3965.0	167461	436.1	1.46	637.2	1180.0	1817.2	41,715
Esquimalt	Head		225	5567	5566	11133	125	29.0	2.33	67.5	136.0	203.5								
Subtotal (Section NET-N6)						11133	125	29.0		67.5	136.0	203.5	4090.0	178593	465.1	1.45	672.1	1316.0	1988.1	44,347
Esquimalt	Anson		225	342	342	684	15	1.8	3.12	5.6	16.0	21.6								
Subtotal (Section NET-N7)						684	15	1.8		5.6	16.0	21.6	4105.0	179277	466.9	1.44	674.2	1332.0	2006.2	44,516
Subtotal (NWT-W)													4528.2	255413	665.1	1.36	904.9	901.7	1806.6	62,078
Total Macaulay													8633.2	434691	1132.0	1.25	1415.8	2233.7	3649.5	106,594

NWT-N Estimated Wastewater Flows
Year = 2065, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Saanich	Marigold		225	67613	13035	80648	2383.0	210.0	1.66	349.2	333.0	682.2									
Subtotal (Section NWT-N1)						80648	2383.0	210.0		349.2	333.0	682.2		2383.0	80648	210.0	1.66	349.2	333.0	682.2	20,572
Saanich	City Boundary		225	23775	11953	35728	664.0	93.0	1.92	178.9	148.0	326.9									
Subtotal (Section NWT-N2)						35728	664.0	93.0		178.9	148.0	326.9		3047.0	116376	303.1	1.56	472.0	481.0	953.0	29,286
Saan/Vic	Cecelia		225	6265	9137	15402	380	40.11	2.21	88.77	369.0	457.8									
Victoria	Chapman		225	1284	428	1712	17	4.46	2.91	12.97	16.0	29.0									
Victoria	Gorge		225	1655	56	1711	35	4.46	2.91	12.96	34.0	47.0									
Subtotal (Section NWT-N3)						18825	432.0	49.02		114.71	419.0	533.7		3479.0	135200	352.1	1.52	534.0	900.0	1434.0	33,962
Victoria	Selkirk		225	814		814	14.0	2.1	3.08	6.5	22.0	28.5									
Saanich	Harriet		225	10304	942	11246	261.0	29.3	2.32	68.0	124.0	192.0									
Subtotal (Section NWT-N4)						12061	275.0	31.41		74.6	146.0	220.6		3754.0	147261	383.5	1.49	573.0	1046.0	1819.0	36,955
Victoria	Langford		225	657	11	668	9	1.7	3.12	5.4	30.0	35.4									
Victoria	Hereward		225	5436	157	5593	64	14.6	2.56	37.3	124.0	161.3									
Esquimalt	Devonshire		225	4995	4994	9990	106	26.0	2.36	61.5	165.0	226.5									
Esquimalt	Wilson		225	715	715	1429	17	3.7	2.96	11.0	56.0	67.0									
Victoria	Sea Terrace		225	2363	157	2520	15	6.6	2.80	18.4	29.0	47.4									
Subtotal (Section NET-N5)						20200	211	52.6		133.6	404.0	537.6		3965.0	167461	436.1	1.46	637.2	1450.0	2087.2	41,715
Esquimalt	Head		225	5567	5566	11133	125	29.0	2.33	67.5	171.0	238.5									
Subtotal (Section NET-N6)						11133	125	29.0		67.5	171.0	238.5		4090.0	178593	465.1	1.45	672.1	1621.0	2293.1	44,347
Esquimalt	Anson		225	342	342	684	15	1.8	3.12	5.6	21.0	26.6									
Subtotal (Section NET-N7)						684	15	1.8		5.6	21.0	26.6		4105.0	179277	466.9	1.44	674.2	1642.0	2316.2	44,516
Subtotal (NWT-W)														4528.2	255413	665.1	1.36	904.9	1019.1	1924.0	62,078
Total Macaulay														8633.2	434691	1132.0	1.25	1415.8	2661.1	4076.9	106,594

NWT-N Estimated Wastewater Flows
Year = 2065, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	67613	13035	80648	2383.0	210.0	1.66	349.2	355.0	704.2								
Subtotal (Section NWT-N1)						80648	2383.0	210.0		349.2	355.0	704.2	2383.0	80648	210.0	1.66	349.2	355.0	704.2	20,572
Saanich	City Boundary		225	23775	11953	35728	664.0	93.0	1.92	178.9	161.0	339.9								
Subtotal (Section NWT-N2)						35728	664.0	93.0		178.9	161.0	339.9	3047.0	116376	303.1	1.56	472.0	516.0	988.0	29,286
Saan/Vic	Cecelia		225	6265	9137	15402	380	40.11	2.21	88.77	420.0	508.8								
Victoria	Chapman		225	1284	428	1712	17	4.46	2.91	12.97	19.0	32.0								
Victoria	Gorge		225	1655	56	1711	35	4.46	2.91	12.96	39.0	52.0								
Subtotal (Section NWT-N3)						18825	432.0	49.02		114.71	478.0	592.7	3479.0	135200	352.1	1.52	534.0	994.0	1528.0	33,962
Victoria	Selkirk		225	814		814	14.0	2.1	3.08	6.5	24.0	30.5								
Saanich	Harriet		225	10304	942	11246	261.0	29.3	2.32	68.0	137.0	205.0								
Subtotal (Section NWT-N4)						12061	275.0	31.41		74.6	161.0	235.6	3754.0	147261	383.5	1.49	573.0	1155.0	1728.0	36,955
Victoria	Langford		225	657	11	668	9	1.7	3.12	5.4	37.0	42.4								
Victoria	Hereward		225	5436	157	5593	64	14.6	2.56	37.3	141.0	178.3								
Esquimalt	Devonshire		225	4995	4994	9990	106	26.0	2.36	61.5	180.0	241.5								
Esquimalt	Wilson		225	715	715	1429	17	3.7	2.96	11.0	69.0	80.0								
Victoria	Sea Terrace		225	2363	157	2520	15	6.6	2.80	18.4	33.0	51.4								
Subtotal (Section NET-N5)						20200	211	52.6		133.6	460.0	593.6	3965.0	167461	436.1	1.46	637.2	1615.0	2252.2	41,715
Esquimalt	Head		225	5567	5566	11133	125	29.0	2.33	67.5	193.0	260.5								
Subtotal (Section NET-N6)						11133	125	29.0		67.5	193.0	260.5	4090.0	178593	465.1	1.45	672.1	1808.0	2480.1	44,347
Esquimalt	Anson		225	342	342	684	15	1.8	3.12	5.6	23.0	28.6								
Subtotal (Section NET-N7)						684	15	1.8		5.6	23.0	28.6	4105.0	179277	466.9	1.44	674.2	1831.0	2505.2	44,516
Subtotal (NWT-W)													4528.2	255413	665.1	1.36	904.9	1108.4	2013.4	62,078
Total Macaulay													8633.2	434691	1132.0	1.25	1415.8	2939.4	4355.3	106,594

NWT-N Estimated Wastewater Flows
Year = 2065, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	67613	13035	80648	2383.0	210.0	1.66	349.2	383.0	732.2								
Subtotal (Section NWT-N1)						80648	2383.0	210.0		349.2	383.0	732.2	2383.0	80648	210.0	1.66	349.2	383.0	732.2	20,572
Saanich	City Boundary		225	23775	11953	35728	664.0	93.0	1.92	178.9	178.0	356.9								
Subtotal (Section NWT-N2)						35728	664.0	93.0		178.9	178.0	356.9	3047.0	116376	303.1	1.56	472.0	561.0	1033.0	29,286
Saan/Vic	Cecelia		225	6265	9137	15402	380	40.11	2.21	88.77	486.0	574.8								
Victoria	Chapman		225	1284	428	1712	17	4.46	2.91	12.97	22.0	35.0								
Victoria	Gorge		225	1655	56	1711	35	4.46	2.91	12.96	45.0	58.0								
Subtotal (Section NWT-N3)						18825	432.0	49.02		114.71	553.0	667.7	3479.0	135200	352.1	1.52	534.0	1114.0	1648.0	33,962
Victoria	Selkirk		225	814		814	14.0	2.1	3.08	6.5	26.0	32.5								
Saanich	Harriet		225	10304	942	11246	261.0	29.3	2.32	68.0	152.0	220.0								
Subtotal (Section NWT-N4)						12061	275.0	31.41		74.6	178.0	252.6	3754.0	147261	383.5	1.49	573.0	1292.0	1865.0	36,955
Victoria	Langford		225	657	11	668	9	1.7	3.12	5.4	46.0	51.4								
Victoria	Hereward		225	5436	157	5593	64	14.6	2.56	37.3	164.0	201.3								
Esquimalt	Devonshire		225	4995	4994	9990	106	26.0	2.36	61.5	199.0	260.5								
Esquimalt	Wilson		225	715	715	1429	17	3.7	2.96	11.0	86.0	97.0								
Victoria	Sea Terrace		225	2363	157	2520	15	6.6	2.80	18.4	38.0	56.4								
Subtotal (Section NET-N5)						20200	211	52.6		133.6	533.0	666.6	3965.0	167461	436.1	1.46	637.2	1825.0	2462.2	41,715
Esquimalt	Head		225	5567	5566	11133	125	29.0	2.33	67.5	220.0	287.5								
Subtotal (Section NET-N6)						11133	125	29.0		67.5	220.0	287.5	4090.0	178593	465.1	1.45	672.1	2045.0	2717.1	44,347
Esquimalt	Anson		225	342	342	684	15	1.8	3.12	5.6	26.0	31.6								
Subtotal (Section NET-N7)						684	15	1.8		5.6	26.0	31.6	4105.0	179277	466.9	1.44	674.2	2071.0	2745.2	44,516
Subtotal (NWT-W)													4528.2	255413	665.1	1.36	904.9	1201.1	2106.0	62,078
Total Macaulay													8633.2	434691	1132.0	1.25	1415.8	3272.1	4687.9	106,594

NWT-N Estimated Wastewater Flows
Year = 2065, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	67613	13035	80648	2383.0	210.0	1.66	349.2	420.0	769.2								
Subtotal (Section NWT-N1)						80648	2383.0	210.0		349.2	420.0	769.2	2383.0	80648	210.0	1.66	349.2	420.0	769.2	20,572
Saanich	City Boundary		225	23775	11953	35728	664.0	93.0	1.92	178.9	200.0	378.9								
Subtotal (Section NWT-N2)						35728	664.0	93.0		178.9	200.0	378.9	3047.0	116376	303.1	1.56	472.0	620.0	1092.0	29,286
Saan/Vic	Cecelia		225	6265	9137	15402	380	40.11	2.21	88.77	581.0	669.8								
Victoria	Chapman		225	1284	428	1712	17	4.46	2.91	12.97	26.0	39.0								
Victoria	Gorge		225	1655	56	1711	35	4.46	2.91	12.96	54.0	67.0								
Subtotal (Section NWT-N3)						18825	432.0	49.02		114.71	661.0	775.7	3479.0	135200	352.1	1.52	534.0	1281.0	1815.0	33,962
Victoria	Selkirk		225	814		814	14.0	2.1	3.08	6.5	30.0	36.5								
Saanich	Harriet		225	10304	942	11246	261.0	29.3	2.32	68.0	174.0	242.0								
Subtotal (Section NWT-N4)						12061	275.0	31.41		74.6	204.0	278.6	3754.0	147261	383.5	1.49	573.0	1485.0	2058.0	36,955
Victoria	Langford		225	657	11	668	9	1.7	3.12	5.4	61.0	66.4								
Victoria	Hereward		225	5436	157	5593	64	14.6	2.56	37.3	196.0	233.3								
Esquimalt	Devonshire		225	4995	4994	9990	106	26.0	2.36	61.5	225.0	286.5								
Esquimalt	Wilson		225	715	715	1429	17	3.7	2.96	11.0	115.0	126.0								
Victoria	Sea Terrace		225	2363	157	2520	15	6.6	2.80	18.4	46.0	64.4								
Subtotal (Section NWT-N5)						20200	211	52.6		133.6	643.0	776.6	3985.0	167461	436.1	1.46	637.2	2128.0	2765.2	41,715
Esquimalt	Head		225	5567	5566	11133	125	29.0	2.33	67.5	259.0	326.5								
Subtotal (Section NET-N6)						11133	125	29.0		67.5	259.0	326.5	4090.0	178593	465.1	1.45	672.1	2387.0	3059.1	44,347
Esquimalt	Anson		225	342	342	684	15	1.8	3.12	5.6	31.0	36.6								
Subtotal (Section NET-N7)						684	15	1.8		5.6	31.0	36.6	4105.0	179277	466.9	1.44	674.2	2418.0	3092.2	44,516
Subtotal (NWT-W)													4528.2	255413	665.1	1.36	904.9	1322.4	2227.4	62,078
Total Macaulay													8633.2	434691	1132.0	1.25	1415.8	3740.4	5156.3	106,594

Appendix D

NET/ECI Design Flows using Fixture Reduction Rates

NET/ECI Estimated Wastewater Flows
Year = 2005, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	55.2	2.3	68.3								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	55.2	2.3	68.3	40.6	1398	3.6	2.96	10.8	57.5	68.3	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	80.0	3.3	108.0								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	16.9	0.7	22.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.94	29.4	96.8	4.0	130.2	111.8	5480	14.3	3.21	45.8	158.3	204.1	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	51.2	1.0	66.3								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	51.2	1.0	66.3	151.5	7360	19.2	3.09	59.1	210.5	269.6	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	215.3	19.4	271.2								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	98.9	8.9	120.9								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	26.3	0.5	34.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	16.1	0.3	22.9								
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	356.6	29.2	44.1	334.3	16257	42.3	2.74	116.1	596.3	712.4	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	120.5	2.4	162.5								
Broom	30A02	NEBMH033	225	2342	368	2710	145.5	7.1	2.78	19.6	76.3	8.5	104.4								
Broom	30B01	NEBMH032	225	361	0	361	11.5	0.9	3.23	3.0	5.0	0.7	8.7								
Broom	30B02	NEBMH030	225	317	47	364	6.4	0.9	3.23	3.1	2.8	0.4	6.2								
Subtotal (Section NETB-5)						9416	256.9	24.5	65.3	204.7	11.9	281.9	591.2	25673	66.9	2.54	170.1	812.9	983.0	8,068	
Broom	30B03	NEBMH028	225	622	391	1013	20.8	2.6	3.04	8.0	9.1	1.2	18.3								
Broom	30B04	NEBMH027	225	0	494	494	5.5	1.3	3.18	4.1	2.4	0.3	6.8								
Broom	30B05	NEBMH026	225	224	111	335	8.5	0.9	3.25	2.8	3.7	0.5	7.0								
Broom	30B06	NEBMH026	225	235	5	240	4.1	0.6	3.29	2.1	1.8	0.2	4.1								
Broom	30B07	NEBMH025	225	81	0	81	2.4	0.2	3.41	0.7	1.0	0.1	1.9								
Subtotal (Section NETB-6)						2163	41.3	5.6	17.7	18.1	2.4	38.2	632.5	27836	72.5	2.51	181.9	833.3	1015.2	8,715	
Broom	30B09	NEBMH024	225	2234	272	2506	65.2	6.5	2.81	18.3	28.5	3.8	50.6								
Broom	30B08	NEBMH022	225	127	0	127	4.2	0.3	3.37	1.1	1.8	0.2	3.2								
Broom	30B10	NEBMH020	225	43	8	51	3.5	0.1	3.45	0.5	1.5	0.2	2.2								
Broom	30B11	NEBMH020	225	67	0	67	2.1	0.2	3.43	0.6	0.9	0.1	1.6								
Windsor	31A	NEBMH017	225	119	0	119	4.6	0.3	3.38	1.0	2.0	0.3	3.3								
Subtotal (Section NETB-7)						2870	79.6	7.5	21.5	34.8	4.6	60.9	712.1	30706	80.0	2.47	197.3	872.8	1070.1	9,669	
Esplanade	29	NEBMH014	225	347	63	410	15.4	1.1	3.21	3.4	8.1	0.9	12.4								
Subtotal (Section NETB-8)						410	15.4	1.1	3.21	3.4	8.1	0.9	12.4	727.5	31116	81.0	2.46	199.5	881.7	1081.2	9,821
Windsor	31B	NEBMH003	225	1660	207	1867	57.2	4.9	2.89	14.0	25.0	3.3	42.4								
Currie	32	NEBMH001	225	4888	267	5155	202.7	13.4	2.59	34.7	325.2	19.8	379.6								
Subtotal (Section NETB-9)						7022	259.9	18.3	48.8	350.2	23.1	422.0	987.4	38138	99.3	2.38	236.0	1255.0	1490.9	12,408	

NET-B Ends at the Currie Major Pump Station

ECI																					
Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	176.4	39.5	438.7								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	176.4	39.5	438.7	1069.2	35578	92.7	2.40	222.8	215.9	438.7	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	30.3	6.1	78.1								
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	35.9	4.0	67.1								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	66.2	10.0	145.2	1418.4	45859	119.4	2.30	274.6	292.1	566.8	15,816
Humber	25	Humber	225	407	132	539	56.2	1.4	3.17	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						539	56.2	1.4	3.17	4.4	90.0	4.6	99.0	1474.6	46398	120.8	2.29	277.3	386.7	664.0	16,155
Rutland	26	Rutland	225	743	0	743	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						743	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	47141	122.8	2.29	280.9	478.6	759.5	16,626
Estevan	27	ECIMH029	225	1599	101	1700	72.7	4.4	2.91	12.9	57.7	3.2	73.7								
Dalhousie	28	ECIMH029	225	771	0	771	29.4	2.0	3.10	6.2	23.3	1.3	30.8								
Subtotal (Section ECI-5)						2471	102.1	6.4	19.1	81.0	4.5	104.6	1655.1	49613	129.2	2.27	293.0	564.1	857.1	17,578	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	87751	228.5	2.05	467.8	1819.1	2286.9	29,986

Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	375.9	15.1	450.8								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	375.9	15.1	450.8	2870.1	97431	253.7	2.01	509.8	2210.0	2719.8	33,046
Haring/Hollywood	35	ECIMH001	225	377	0	377	67.5	1.0	3.23	3.2	111.5	4.5	119.1								
Subtotal (Section NETC-1)						377	67.5	1.0	3.23	3.2	111.5	4.5	119.1	2937.6	97808	254.7	2.01	511.4	2325.9	2837.4	33,393
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	55.9	5.1	70.0								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	55.9	5.1	70.0	2982.7	98943	257.7	2.00	516.3	2387.0	2903.3	33,823
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1050.1	96.2	1442.0								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1050.1	96.2	1442.0	3829.3	164761	429.1	1.83	785.9	3533.3	4319.2	51,914

NET/ECI Estimated Wastewater Flows
Year = 2005, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	78.8	2.3	91.9								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	78.8	2.3	91.9	40.6	1398	3.6	2.96	10.8	81.1	91.9	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	114.2	3.3	142.2								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	24.1	0.7	29.5								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.94	29.4	138.2	4.0	171.7	111.8	5480	14.3	3.21	45.8	223.3	269.1	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	65.2	1.0	80.4								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	65.2	1.0	80.4	151.5	7360	19.2	3.09	59.1	289.6	348.7	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	256.7	19.4	312.7								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	118.0	8.9	139.9								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	33.5	0.5	41.2								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	20.5	0.3	27.4								
Subtotal (Section NETB-4)						8897	162.8	23.2	6.33	428.7	29.2	521.1	334.3	16257	42.3	2.74	116.1	747.5	863.6	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	153.6	2.4	195.6								
Broom	30A02	NEBMH033	225	2342	368	2710	145.5	7.1	2.78	19.6	106.9	8.5	135.0								
Broom	30B01	NEBMH032	225	361	0	361	11.5	0.9	3.23	3.0	5.8	0.7	9.5								
Broom	30B02	NEBMH030	225	317	47	364	6.4	0.9	3.23	3.1	3.2	0.4	6.7								
Subtotal (Section NETB-5)						9416	256.9	24.5	6.53	269.6	11.9	346.8	591.2	25673	66.9	2.54	170.1	1028.9	1199.0	8,068	
Broom	30B03	NEBMH028	225	622	391	1013	20.8	2.6	3.04	8.0	10.5	1.2	19.7								
Broom	30B04	NEBMH027	225	0	494	494	5.5	1.3	3.18	4.1	2.8	0.3	7.2								
Broom	30B05	NEBMH026	225	224	111	335	8.5	0.9	3.25	2.8	4.3	0.5	7.6								
Broom	30B06	NEBMH026	225	235	5	240	4.1	0.6	3.29	2.1	2.1	0.2	4.4								
Broom	30B07	NEBMH025	225	81	0	81	2.4	0.2	3.41	0.7	1.2	0.1	2.1								
Subtotal (Section NETB-6)						2163	41.3	5.6	17.7	20.8	2.4	40.9	632.5	27836	72.5	2.51	181.9	1052.1	1234.0	8,715	
Broom	30B09	NEBMH024	225	2234	272	2506	65.2	6.5	2.81	18.3	32.8	3.8	54.9								
Broom	30B08	NEBMH022	225	127	0	127	4.2	0.3	3.37	1.1	2.1	0.2	3.5								
Broom	30B10	NEBMH020	225	43	8	51	3.5	0.1	3.45	0.5	1.8	0.2	2.4								
Broom	30B11	NEBMH020	225	67	0	67	2.1	0.2	3.43	0.6	1.1	0.1	1.8								
Windsor	31A	NEBMH017	225	119	0	119	4.6	0.5	3.38	1.0	2.3	0.3	3.6								
Subtotal (Section NETB-7)						2870	79.6	7.5	21.5	40.1	4.6	66.2	712.1	30706	80.0	2.47	197.3	1096.8	1294.1	9,669	
Esplanade	29	NEBMH014	225	347	63	410	15.4	1.1	3.21	3.4	11.3	0.9	15.6								
Subtotal (Section NETB-8)						410	15.4	1.1	3.21	3.4	11.3	0.9	15.6	727.5	31116	81.0	2.46	199.5	1109.1	1308.5	9,821
Windsor	31B	NEBMH003	225	1660	207	1867	57.2	4.9	2.89	14.0	28.8	3.3	46.2								
Currie	32	NEBMH001	225	4888	267	5155	202.7	13.4	2.59	34.7	412.8	19.8	467.2								
Subtotal (Section NETB-9)						7022	259.9	18.3	48.8	441.6	23.1	513.4	987.4	38138	99.3	2.38	236.0	1573.7	1809.7	12,408	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	234.4	39.5	496.7								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	234.4	39.5	496.7	1069.2	35578	92.7	2.40	222.8	273.9	496.7	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	45.4	6.1	93.2								
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	50.3	4.0	81.5								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	95.7	10.0	174.7	1418.4	45859	119.4	2.30	274.6	379.7	654.3	15,816
Humber	25	Humber	225	407	132	539	56.2	1.4	3.17	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						539	56.2	1.4	3.17	4.4	90.0	4.6	99.0	1474.6	46398	120.8	2.29	277.3	474.2	751.5	16,155
Rutland	26	Rutland	225	743	0	743	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						743	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	47141	122.8	2.29	280.9	566.1	847.1	16,626
Estevan	27	ECIMH029	225	1599	101	1700	72.7	4.4	2.91	12.9	66.1	3.2	82.1								
Dalhousie	28	ECIMH029	225	771	0	771	29.4	2.0	3.10	6.2	26.7	1.3	34.2								
Subtotal (Section ECI-5)						2471	102.1	6.4	19.1	92.8	4.5	116.4	1655.1	49613	129.2	2.27	293.0	663.4	956.4	17,578	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	87751	228.5	2.05	467.8	2237.1	2704.9	29,986
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Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	478.5	15.1	553.4								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	478.5	15.1	553.4	2870.1	97431	253.7	2.01	509.8	2730.7	3240.5	33,046
Hartley/Hollywood	35	ECIMH001	225	377	0	377	67.5	1.0	3.23	3.2	141.9	4.5	149.6								
Subtotal (Section NETC-1)						377	67.5	1.0	3.23	3.2	141.9	4.5	149.6	2937.6	97808	254.7	2.01	511.4	2877.1	3388.5	33,393
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	68.4	5.1	82.4								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	68.4	5.1	82.4	2982.7	98943	257.7	2.00	516.3	2950.6	3466.9	33,823
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1284.1	96.2	1675.9								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1284.1	96.2	1675.9	3829.3	164761	429.1	1.83	785.9	4330.9	5116.8	51,914

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2005, 10-Year Storm

NET-Boxker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)	
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	94.5	2.3	107.6									
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	94.5	2.3	107.6	40.6	1398	3.6	2.96	10.8	96.8	107.6	472	
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	136.9	3.3	164.9									
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	28.9	0.7	34.3									
Subtotal (Section NETB-2)						4081	71.2	10.6	2.89	29.4	165.7	4.0	199.2	111.8	5480	14.3	3.21	45.8	266.5	312.3	1,666	
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	74.5	1.0	89.7									
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	74.5	1.0	89.7	151.5	7360	19.2	3.09	59.1	342.1	401.2	2,243	
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	283.9	19.4	339.9									
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	130.5	8.9	152.4									
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	38.3	0.5	46.0									
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	23.5	0.3	30.3									
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	476.2	29.2	568.6	334.3	16257	42.3	2.74	116.1	847.4	963.5	4,954		
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	175.6	2.4	217.5									
Broom	30A02	NEBMH033	225	2342	368	2710	145.5	7.1	2.78	19.6	127.3	8.5	155.4									
Broom	30B01	NEBMH032	225	361	0	361	11.5	0.9	3.23	3.0	6.3	0.7	10.0									
Broom	30B02	NEBMH030	225	317	47	364	6.4	0.9	3.23	3.1	3.5	0.4	6.9									
Subtotal (Section NETB-5)						9416	256.9	24.5	65.3	312.6	11.9	389.8	591.2	25673	66.9	2.54	170.1	1171.9	1342.0	8,068		
Broom	30B03	NEBMH028	225	622	391	1013	20.8	2.6	3.04	8.0	11.3	1.2	20.6									
Broom	30B04	NEBMH027	225	0	494	494	5.5	1.3	3.18	4.1	3.0	0.3	7.4									
Broom	30B05	NEBMH026	225	224	111	335	8.5	0.9	3.25	2.8	4.6	0.5	8.0									
Broom	30B06	NEBMH026	225	235	5	240	4.1	0.6	3.29	2.1	2.2	0.2	4.5									
Broom	30B07	NEBMH025	225	81	0	81	2.4	0.2	3.41	0.7	1.3	0.1	2.2									
Subtotal (Section NETB-6)						2163	41.3	5.6	17.7	22.5	2.4	42.6	632.5	27836	72.5	2.51	181.9	1196.9	1378.8	8,715		
Broom	30B09	NEBMH024	225	2234	272	2506	65.2	6.5	2.81	18.3	35.6	3.8	57.7									
Broom	30B08	NEBMH022	225	127	0	127	4.2	0.3	3.37	1.1	2.3	0.2	3.6									
Broom	30B10	NEBMH020	225	43	8	51	3.5	0.1	3.45	0.5	1.9	0.2	2.6									
Broom	30B11	NEBMH020	225	67	0	67	2.1	0.2	3.43	0.6	1.1	0.1	1.9									
Windsor	31A	NEBMH017	225	119	0	119	4.6	0.5	3.38	1.0	2.5	0.3	3.8									
Subtotal (Section NETB-7)						2870	79.6	7.5	21.5	43.4	4.6	69.6	712.1	30706	80.0	2.47	197.3	1244.9	1442.2	9,669		
Esplanade	29	NEBMH014	225	347	63	410	15.4	1.1	3.21	3.4	13.5	0.9	17.8									
Subtotal (Section NETB-8)						410	15.4	1.1	3.21	3.4	13.5	0.9	17.8	727.5	31116	81.0	2.46	199.5	1259.3	1458.8	9,821	
Windsor	31B	NEBMH003	225	1660	207	1867	57.2	4.9	2.89	14.0	31.2	3.3	48.6									
Currie	32	NEBMH001	225	4888	267	5155	202.7	13.4	2.59	34.7	470.7	19.8	525.2									
Subtotal (Section NETB-9)						7022	259.9	18.3	48.8	501.9	23.1	573.7	987.4	38138	99.3	2.38	236.0	1784.3	2020.3	12,408		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	272.7	39.5	535.1								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	272.7	39.5	535.1	1069.2	35578	92.7	2.40	222.8	312.3	535.1	12,149
Penryhn	24	Penryhn	225	2898	3466	6364	280.8	16.6	2.52	41.7	55.4	6.1	103.2								
Broom	30A01	Penryhn	225	194	3723	3917	68.4	10.2	2.67	27.3	59.8	4.0	91.1								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	115.3	10.0	194.3	1418.4	45859	119.4	2.30	274.6	437.6	712.2	15,816
Humber	25	Humber	225	407	132	539	56.2	1.4	3.17	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						539	56.2	1.4	3.17	4.4	90.0	4.6	99.0	1474.6	46398	120.8	2.29	277.3	532.1	809.4	16,155
Rutland	26	Rutland	225	743	0	743	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						743	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	47141	122.8	2.29	280.9	624.0	905.0	16,626
Estevan	27	ECIMH029	225	1599	101	1700	72.7	4.4	2.91	12.9	71.6	3.2	87.6								
Dalhousie	28	ECIMH029	225	771	0	771	29.4	2.0	3.10	6.2	28.9	1.3	36.5								
Subtotal (Section ECI-5)						2471	102.1	6.4	19.1	100.5	4.5	124.1	1655.1	49613	129.2	2.27	293.0	729.0	1022.0	17,578	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	87751	228.5	2.05	467.8	2513.3	2981.2	29,986

Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	546.0	15.1	620.9								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	546.0	15.1	620.9	2870.1	97431	253.7	2.01	509.8	3074.4	3584.2	33,046
Hartley/Hollywood	35	ECIMH001	225	377	0	377	67.5	1.0	3.23	3.2	161.9	4.5	169.8								
Subtotal (Section NETC-1)						377	67.5	1.0	3.23	3.2	161.9	4.5	169.8	2937.6	97808	254.7	2.01	511.4	3240.8	3752.2	33,393
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	76.6	5.1	90.7								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	76.6	5.1	90.7	2982.7	98943	257.7	2.00	516.3	3322.6	3838.9	33,823
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1438.8	96.2	1830.6								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1438.8	96.2	1830.6	3829.3	164761	429.1	1.83	785.9	4857.6	5643.4	51,914

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2005, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	114.3	2.3	127.3								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	114.3	2.3	127.3	40.6	1398	3.6	2.96	10.8	116.5	127.3	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	165.5	3.3	193.5								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	34.9	0.7	40.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.89	29.4	200.4	4.0	233.8	111.8	5480	14.3	3.21	45.8	320.9	366.6	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	86.3	1.0	101.5								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	86.3	1.0	101.5	151.5	7360	19.2	3.09	59.1	408.2	467.3	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	318.5	19.4	374.5								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	146.4	8.9	168.3								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	44.3	0.5	52.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	27.2	0.3	34.0								
Subtotal (Section NETB-4)						8897	182.8	23.2	63.3	536.4	29.2	628.9	334.3	16257	42.3	2.74	116.1	973.8	1089.9	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	203.2	2.4	245.2								
Broom	30A02	NEBMH033	225	2342	368	2710	145.5	7.1	2.78	19.6	152.9	8.5	181.0								
Broom	30B01	NEBMH032	225	361	0	361	11.5	0.9	3.23	3.0	6.9	0.7	10.6								
Broom	30B02	NEBMH030	225	317	47	364	6.4	0.9	3.23	3.1	3.8	0.4	7.3								
Subtotal (Section NETB-5)						9416	256.9	24.5	65.3	366.9	11.9	444.1	591.2	25673	66.9	2.54	170.1	1352.6	1522.7	8,068	
Broom	30B03	NEBMH028	225	622	391	1013	20.8	2.6	3.04	8.0	12.5	1.2	21.7								
Broom	30B04	NEBMH027	225	0	494	494	5.5	1.3	3.18	4.1	3.3	0.3	7.7								
Broom	30B05	NEBMH026	225	224	111	335	8.5	0.9	3.25	2.8	5.1	0.5	8.4								
Broom	30B06	NEBMH026	225	235	5	240	4.1	0.6	3.29	2.1	2.5	0.2	4.8								
Broom	30B07	NEBMH025	225	81	0	81	2.4	0.2	3.41	0.7	1.4	0.1	2.3								
Subtotal (Section NETB-6)						2163	41.3	5.6	17.7	24.8	2.4	45.0	632.5	27836	72.5	2.51	181.9	1379.8	1561.7	8,715	
Broom	30B09	NEBMH024	225	2234	272	2506	65.2	6.5	2.81	18.3	39.2	3.8	61.3								
Broom	30B08	NEBMH022	225	127	0	127	4.2	0.3	3.37	1.1	2.5	0.2	3.9								
Broom	30B10	NEBMH020	225	43	8	51	3.5	0.1	3.45	0.5	2.1	0.2	2.8								
Broom	30B11	NEBMH020	225	67	0	67	2.1	0.2	3.43	0.6	1.3	0.1	2.0								
Windsor	31A	NEBMH017	225	119	0	119	4.6	0.5	3.38	1.0	2.9	0.3	4.1								
Subtotal (Section NETB-7)						2870	79.6	7.5	21.5	47.9	4.6	74.0	712.1	30706	80.0	2.47	197.3	1432.3	1629.6	9,669	
Esplanade	29	NEBMH014	225	347	63	410	15.4	1.1	3.21	3.4	16.2	0.9	20.5								
Subtotal (Section NETB-8)						410	15.4	1.1	3.21	3.4	16.2	0.9	20.5	727.5	31116	81.0	2.46	199.5	1449.4	1648.9	9,821
Windsor	31B	NEBMH003	225	1660	207	1867	57.2	4.9	2.89	14.0	34.4	3.3	51.8								
Currie	32	NEBMH001	225	4888	267	5155	202.7	13.4	2.59	34.7	543.9	19.8	598.4								
Subtotal (Section NETB-9)						7022	259.9	18.3	48.8	578.3	23.1	650.2	987.4	38138	99.3	2.38	236.0	2050.8	2286.8	12,408	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	321.2	39.5	583.6								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	321.2	39.5	583.6	1069.2	35578	92.7	2.40	222.8	360.8	583.6	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	68.1	6.1	115.9								
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	71.9	4.0	103.1								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	140.0	10.0	219.0	1418.4	45859	119.4	2.30	274.6	510.7	785.4	15,816
Humber	25	Humber	225	407	132	539	56.2	1.4	3.17	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						539	56.2	1.4	3.17	4.4	90.0	4.6	99.0	1474.6	46398	120.8	2.29	277.3	605.3	882.6	16,155
Rutland	26	Rutland	225	743	0	743	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						743	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	47141	122.8	2.29	280.9	697.2	978.2	16,626
Estevan	27	ECIMH029	225	1599	101	1700	72.7	4.4	2.91	12.9	78.6	3.2	94.7								
Dalhousie	28	ECIMH029	225	771	0	771	29.4	2.0	3.10	6.2	31.8	1.3	39.3								
Subtotal (Section ECI-5)						2471	102.1	6.4	19.1	110.4	4.5	133.9	1655.1	49613	129.2	2.27	293.0	812.1	1105.1	17,578	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	87751	228.5	2.05	467.8	2862.9	3330.7	29,986

Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	631.8	15.1	706.7								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	631.8	15.1	706.7	2870.1	97431	253.7	2.01	509.8	3509.7	4019.5	33,046
Haring/Hollywood	35	ECIMH001	225	377	0	377	67.5	1.0	3.23	3.2	187.4	4.5	195.0								
Subtotal (Section NETC-1)						377	67.5	1.0	3.23	3.2	187.4	4.5	195.0	2937.6	97808	254.7	2.01	511.4	3701.5	4213.0	33,393
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	87.1	5.1	101.1								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	87.1	5.1	101.1	2982.7	98943	257.7	2.00	516.3	3793.7	4310.0	33,823
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1634.4	96.2	2026.2								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1634.4	96.2	2026.2	3829.3	164761	429.1	1.83	785.9	5524.4	6310.2	51,914

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2005, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	143.6	2.3	156.6								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	143.6	2.3	156.6	40.6	1398	3.6	2.96	10.8	145.8	156.6	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	207.9	3.3	235.9								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	43.8	0.7	49.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.89	29.4	251.8	4.0	285.2	111.8	5480	14.3	3.21	45.8	401.6	447.4	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	103.7	1.0	118.9								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	103.7	1.0	118.9	151.5	7360	19.2	3.09	59.1	506.3	565.5	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	369.6	19.4	425.6								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	169.9	8.9	191.8								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	63.3	0.5	61.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	32.7	0.3	39.5								
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	625.4	29.2	717.8	334.3	16257	42.3	2.74	116.1	1160.9	1277.1	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	244.3	2.4	286.3								
Broom	30A02	NEBMH033	225	2342	368	2710	145.5	7.1	2.78	19.6	190.9	8.5	219.0								
Broom	30B01	NEBMH032	225	361	0	361	11.5	0.9	3.23	3.0	7.9	0.7	11.6								
Broom	30B02	NEBMH030	225	317	47	364	6.4	0.9	3.23	3.1	4.4	0.4	7.8								
Subtotal (Section NETB-5)						9416	256.9	24.5	65.3	447.4	11.9	524.6	591.2	25673	66.9	2.54	170.1	1620.3	1790.4	8,068	
Broom	30B03	NEBMH028	225	622	391	1013	20.8	2.6	3.04	8.0	14.2	1.2	23.4								
Broom	30B04	NEBMH027	225	0	494	494	5.5	1.3	3.18	4.1	3.8	0.3	8.2								
Broom	30B05	NEBMH026	225	224	111	335	8.5	0.9	3.25	2.8	5.8	0.5	9.1								
Broom	30B06	NEBMH026	225	235	5	240	4.1	0.6	3.29	2.1	2.8	0.2	5.1								
Broom	30B07	NEBMH025	225	81	0	81	2.4	0.2	3.41	0.7	1.6	0.1	2.5								
Subtotal (Section NETB-6)						2163	41.3	5.6	17.7	28.2	2.4	48.3	632.5	27836	72.5	2.51	181.9	1650.9	1832.8	8,715	
Broom	30B09	NEBMH024	225	2234	272	2506	65.2	6.5	2.81	18.3	44.6	3.8	66.7								
Broom	30B08	NEBMH022	225	127	0	127	4.2	0.3	3.37	1.1	2.9	0.2	4.2								
Broom	30B10	NEBMH020	225	43	8	51	3.5	0.1	3.45	0.5	2.4	0.2	3.1								
Broom	30B11	NEBMH020	225	67	0	67	2.1	0.2	3.43	0.6	1.4	0.1	2.2								
Windsor	31A	NEBMH017	225	119	0	119	4.6	0.5	3.38	1.0	3.1	0.3	4.5								
Subtotal (Section NETB-7)						2870	79.6	7.5	21.5	54.4	4.6	80.6	712.1	30706	80.0	2.47	197.3	1709.9	1907.2	9,669	
Esplanade	29	NEBMH014	225	347	63	410	15.4	1.1	3.21	3.4	20.2	0.9	24.5								
Subtotal (Section NETB-8)						410	15.4	1.1	3.21	3.4	20.2	0.9	24.5	727.5	31116	81.0	2.46	199.5	1731.0	1930.5	9,821
Windsor	31B	NEBMH003	225	1660	207	1867	57.2	4.9	2.89	14.0	39.1	3.3	56.5								
Currie	32	NEBMH001	225	4888	267	5155	202.7	13.4	2.59	34.7	652.1	19.8	706.6								
Subtotal (Section NETB-9)						7022	259.9	18.3	48.8	691.2	23.1	763.1	987.4	38138	99.3	2.38	236.0	2445.4	2681.3	12,408	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	392.9	39.5	655.2								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	392.9	39.5	655.2	1069.2	35578	92.7	2.40	222.8	432.4	655.2	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	86.8	6.1	134.5								
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	89.7	4.0	121.0								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	176.5	10.0	255.5	1418.4	45859	119.4	2.30	274.6	618.9	893.6	15,816
Humber	25	Humber	225	407	132	539	56.2	1.4	3.17	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						539	56.2	1.4	3.17	4.4	90.0	4.6	99.0	1474.6	46398	120.8	2.29	277.3	713.5	990.8	16,155
Rutland	26	Rutland	225	743	0	743	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						743	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	47141	122.8	2.29	280.9	805.4	1086.4	16,626
Estevan	27	ECIMH029	225	1599	101	1700	72.7	4.4	2.91	12.9	88.9	3.2	105.0								
Dalhousie	28	ECIMH029	225	771	0	771	29.4	2.0	3.10	6.2	36.0	1.3	43.5								
Subtotal (Section ECI-5)						2471	102.1	6.4	19.1	124.9	4.5	148.5	1655.1	49613	129.2	2.27	293.0	934.8	1227.8	17,578	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	87751	228.5	2.05	467.8	3380.1	3848.0	29,986

Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	758.3	15.1	833.3								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	758.3	15.1	833.3	2870.1	97431	253.7	2.01	509.8	4153.5	4663.3	33,046
Hartley/Hollywood	35	ECIMH001	225	377	0	377	67.5	1.0	3.23	3.2	224.9	4.5	232.5								
Subtotal (Section NETC-1)						377	67.5	1.0	3.23	3.2	224.9	4.5	232.5	2937.6	97808	254.7	2.01	511.4	4382.9	4894.3	33,393
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	102.5	5.1	116.5								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	102.5	5.1	116.5	2982.7	98943	257.7	2.00	516.3	4490.5	5006.8	33,823
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1923.3	96.2	2315.2								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1923.3	96.2	2315.2	3829.3	164761	429.1	1.83	785.9	6510.0	7295.9	51,914

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	223	1492	0	1492	40.6	3.9	2.95	11.3	55.2	2.3	68.8								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.3	55.2	2.3	68.8	40.6	1492	3.9	2.95	11.3	55.2	68.8	490
Trent	39A02	NEBMH062	223	2296	1414	3710	58.8	9.6	2.69	25.8	80.0	3.3	109.0								
Trent	39A03	NEBMH059	223	501	111	612	12.4	1.6	3.14	5.0	16.9	0.7	22.5								
Subtotal (Section NETB-2)						4322	71.2	11.2	30.7	96.8	4.0	131.5	111.8	5814	15.0	3.18	47.8	158.3	206.1	1,730	
Trent	39C03	NEBMH054	223	1857	155	2012	39.7	5.2	2.87	14.9	51.2	1.0	67.1								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	14.9	51.2	1.0	67.1	151.5	7825	20.2	3.06	61.8	210.5	272.3	2,332
Trent	39B01	NEBMH050	223	5422	400	5822	102.7	15.0	2.55	38.3	215.3	19.4	272.9								
Trent	39B02	NEBMH050	223	1719	114	1833	47.2	4.7	2.89	13.7	98.9	8.9	121.5								
Trent	39C02	NEBMH049	223	959	0	959	20.4	2.5	3.05	7.5	26.3	0.5	34.4								
Trent	39C04	NEBMH041	223	368	467	835	12.5	2.2	3.08	6.6	16.1	0.3	23.1								
Subtotal (Section NETB-4)						9448	182.8	24.4	66.1	356.6	29.2	451.9	334.3	17274	44.6	2.72	121.1	596.3	717.4	5,148	
Trent	39C01	NEBMH035	223	5514	840	6354	93.5	16.4	2.52	41.3	120.5	2.4	164.3								
Broom	30A02	NEBMH033	223	2356	373	2729	145.5	7.0	2.78	19.6	76.3	8.5	104.4								
Broom	30B01	NEBMH032	223	351	0	351	11.5	0.9	3.24	2.9	5.0	0.7	8.6								
Broom	30B02	NEBMH030	223	319	47	366	6.4	0.9	3.23	3.1	2.8	0.4	6.2								
Subtotal (Section NETB-5)						9801	256.9	25.3	66.9	204.7	11.9	283.5	591.2	27075	69.9	2.52	176.2	812.9	989.1	8,329	
Broom	30B03	NEBMH028	223	658	403	1061	20.8	2.7	3.03	8.3	9.1	1.2	18.6								
Broom	30B04	NEBMH027	223	0	502	502	5.5	1.3	3.18	4.1	2.4	0.3	6.8								
Broom	30B05	NEBMH026	223	225	113	338	8.5	0.9	3.24	2.8	3.7	0.5	7.0								
Broom	30B06	NEBMH026	223	236	4	240	4.1	0.6	3.29	2.0	1.8	0.2	4.1								
Broom	30B07	NEBMH025	223	82	0	82	2.4	0.2	3.41	0.7	1.0	0.1	1.9								
Subtotal (Section NETB-6)						2223	41.3	5.7	18.0	18.1	2.4	38.5	632.5	29298	75.6	2.49	188.1	833.3	1021.4	8,985	
Broom	30B09	NEBMH024	223	2247	277	2524	65.2	6.5	2.80	18.3	28.5	3.8	50.6								
Broom	30B08	NEBMH022	223	127	0	127	4.2	0.3	3.37	1.1	1.8	0.2	3.2								
Broom	30B10	NEBMH020	223	43	8	51	3.5	0.1	3.45	0.5	1.5	0.2	2.2								
Broom	30B11	NEBMH020	223	66	0	66	2.1	0.2	3.43	0.6	0.9	0.1	1.6								
Windsor	31A	NEBMH017	223	119	0	119	4.6	0.3	3.38	1.0	2.0	0.3	3.3								
Subtotal (Section NETB-7)						2889	79.6	7.5	21.5	34.8	4.6	60.9	712.1	32187	83.1	2.45	203.3	872.8	1076.1	9,938	
Esplanade	29	NEBMH014	223	349	65	414	15.4	1.1	3.21	3.4	8.1	0.9	12.4								
Subtotal (Section NETB-8)						414	15.4	1.1	3.21	3.4	8.1	0.9	12.4	727.5	32601	84.1	2.44	205.5	881.7	1087.2	10,090
Windsor	31B	NEBMH003	223	1670	211	1881	57.2	4.9	2.89	14.0	25.0	3.3	42.3								
Currie	32	NEBMH001	223	4916	271	5187	202.7	13.4	2.58	34.6	325.2	19.8	379.5								
Subtotal (Section NETB-9)						7068	259.9	18.2	48.6	350.2	23.1	421.8	987.4	39669	102.4	2.36	241.6	1255.0	1496.5	12,673	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	223	24783	10818	35601	1069.2	91.9	2.40	221.0	176.4	39.5	436.9								
Subtotal (Section ECI-1)						35601	1069.2	91.9	2.40	221.0	176.4	39.5	436.9	1069.2	35601	91.9	2.40	221.0	215.9	436.9	12,083
Penryhn	24	Penryhn	223	2863	4449	7312	280.8	18.9	2.47	46.6	30.3	6.1	83.0								
Broom	30A01	Penryhn	223	195	4548	4743	68.4	12.2	2.61	32.0	35.9	4.0	71.8								
Subtotal (Section ECI-2)						12055	349.2	31.1	5.08	78.6	66.2	10.0	154.8	1418.4	47656	123.0	2.28	280.9	292.1	573.1	16,125
Humber	25	Humber	223	409	135	544	56.2	1.4	3.16	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						544	56.2	1.4	3.16	4.4	90.0	4.6	99.0	1474.6	48200	124.4	2.28	283.6	386.7	670.3	16,464
Rutland	26	Rutland	223	748	0	748	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						748	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	48947	126.3	2.27	287.2	478.6	765.8	16,935
Estevan	27	ECIMH029	223	1609	102	1711	72.7	4.4	2.91	12.8	57.7	3.2	73.7								
Dalhousie	28	ECIMH029	223	776	0	776	29.4	2.0	3.09	6.2	23.3	1.3	30.8								
Subtotal (Section ECI-5)						2487	102.1	6.4	19.0	81.0	4.5	104.5	1655.1	51434	132.8	2.25	299.1	564.1	863.2	17,885	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	91103	235.1	2.03	478.2	1819.1	2297.2	30,558

Richmond	34	ECIMH005	223	8613	1642	10255	227.6	26.5	2.36	62.3	375.9	15.1	453.3								
Subtotal (Section ECI-7)						10255	227.6	26.5	2.36	62.3	375.9	15.1	453.3	2870.1	101358	261.6	2.00	522.0	2210.0	2731.9	33,727
Hartley/Hollywood	35	ECIMH001	223	379	0	379	67.5	1.0	3.23	3.2	111.5	4.5	119.1								
Subtotal (Section NETC-1)						379	67.5	1.0	3.23	3.2	111.5	4.5	119.1	2937.6	101737	262.6	1.99	523.6	2325.9	2849.5	34,073
Bushby	37	NECMH010	223	1203	7	1210	45.1	3.1	3.00	9.4	55.9	5.1	70.4								
Subtotal (Section NETC-2)						1210	45.1	3.1	3.00	9.4	55.9	5.1	70.4	2982.7	102947	265.7	1.99	528.7	2387.0	2915.7	34,518
Clover	38	NECMH003	223	41993	33732	75725	846.6	195.4	1.68	328.7	1050.1	96.2	1475.0								
Subtotal (Section NETC-3)						75725	846.6	195.4	1.68	328.7	1050.1	96.2	1475.0	3829.3	178672	461.2	1.81	832.9	3533.3	4366.2	54,686

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	223	1492	0	1492	40.6	3.9	2.95	11.3	78.8	2.3	92.4								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.3	78.8	2.3	92.4	40.6	1492	3.9	2.95	11.3	81.1	92.4	490
Trent	39A02	NEBMH062	223	2296	1414	3710	58.8	9.6	2.69	25.8	114.2	3.3	143.2								
Trent	39A03	NEBMH059	223	501	111	612	12.4	1.6	3.14	5.0	24.1	0.7	29.7								
Subtotal (Section NETB-2)						4322	71.2	11.2	30.7	138.2	4.0	172.9	111.8	5814	15.0	3.18	47.8	223.3	271.1	1,730	
Trent	39C03	NEBMH054	223	1857	155	2012	39.7	5.2	2.87	14.9	65.2	1.0	81.1								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	14.9	65.2	1.0	81.1	151.5	7825	20.2	3.06	61.8	289.6	351.4	2,332
Trent	39B01	NEBMH050	223	5422	400	5822	102.7	15.0	2.55	38.3	256.7	19.4	314.4								
Trent	39B02	NEBMH050	223	1719	114	1833	47.2	4.7	2.89	13.7	118.0	8.9	140.6								
Trent	39C02	NEBMH049	223	959	0	959	20.4	2.5	3.05	7.5	33.5	0.5	41.6								
Trent	39C04	NEBMH041	223	368	467	835	12.5	2.2	3.08	6.6	20.5	0.3	27.5								
Subtotal (Section NETB-4)						9448	182.8	24.4	66.1	428.7	29.2	524.0	334.3	17274	44.6	2.72	121.1	747.5	868.6	5,148	
Trent	39C01	NEBMH035	223	5514	840	6354	93.5	16.4	2.52	41.3	153.6	2.4	197.3								
Broom	30A02	NEBMH033	223	2356	373	2729	145.5	7.0	2.78	19.6	106.9	8.5	135.0								
Broom	30B01	NEBMH032	223	351	0	351	11.5	0.9	3.24	2.9	5.8	0.7	9.4								
Broom	30B02	NEBMH030	223	319	47	366	6.4	0.9	3.23	3.1	3.2	0.4	6.6								
Subtotal (Section NETB-5)						9801	256.9	25.3	66.9	269.6	11.9	348.4	591.2	27075	69.9	2.52	176.2	1028.9	1205.1	8,329	
Broom	30B03	NEBMH028	223	658	403	1061	20.8	2.7	3.03	8.3	10.5	1.2	20.0								
Broom	30B04	NEBMH027	223	0	502	502	5.5	1.3	3.18	4.1	2.8	0.3	7.2								
Broom	30B05	NEBMH026	223	225	113	338	8.5	0.9	3.24	2.8	4.3	0.5	7.6								
Broom	30B06	NEBMH026	223	236	4	240	4.1	0.6	3.29	2.0	2.1	0.2	4.3								
Broom	30B07	NEBMH025	223	82	0	82	2.4	0.2	3.41	0.7	1.2	0.1	2.1								
Subtotal (Section NETB-6)						2223	41.3	5.7	18.0	20.8	2.4	41.2	632.5	29298	75.6	2.49	188.1	1052.1	1240.2	8,985	
Broom	30B09	NEBMH024	223	2247	277	2524	65.2	6.5	2.80	18.3	32.8	3.8	54.9								
Broom	30B08	NEBMH022	223	127	0	127	4.2	0.3	3.37	1.1	2.1	0.2	3.5								
Broom	30B10	NEBMH020	223	43	8	51	3.5	0.1	3.45	0.5	1.8	0.2	2.4								
Broom	30B11	NEBMH020	223	66	0	66	2.1	0.2	3.43	0.6	1.1	0.1	1.8								
Windsor	31A	NEBMH017	223	119	0	119	4.6	0.5	3.38	1.0	2.3	0.3	3.6								
Subtotal (Section NETB-7)						2889	79.6	7.5	21.5	40.1	4.6	66.2	712.1	32187	83.1	2.45	203.3	1096.8	1300.2	9,938	
Esplanade	29	NEBMH014	223	349	65	414	15.4	1.1	3.21	3.4	11.3	0.9	15.6								
Subtotal (Section NETB-8)						414	15.4	1.1	3.21	3.4	11.3	0.9	15.6	727.5	32601	84.1	2.44	205.5	1109.1	1314.5	10,090
Windsor	31B	NEBMH003	223	1670	211	1881	57.2	4.9	2.89	14.0	28.8	3.3	46.1								
Currie	32	NEBMH001	223	4916	271	5187	202.7	13.4	2.58	34.6	412.8	19.8	467.1								
Subtotal (Section NETB-9)						7068	259.9	18.2	48.6	441.6	23.1	513.2	987.4	39669	102.4	2.36	241.6	1573.7	1815.3	12,673	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	223	24783	10818	35601	1069.2	91.9	2.40	221.0	234.4	39.5	494.9								
Subtotal (Section ECI-1)						35601	1069.2	91.9	2.40	221.0	234.4	39.5	494.9	1069.2	35601	91.9	2.40	221.0	273.9	494.9	12,083
Penryhn	24	Penryhn	223	2863	4449	7312	280.8	18.9	2.47	46.6	45.4	6.1	98.1								
Broom	30A01	Penryhn	223	195	4548	4743	68.4	12.2	2.61	32.0	50.3	4.0	86.2								
Subtotal (Section ECI-2)						12055	349.2	31.1	5.08	78.6	95.7	10.0	184.4	1418.4	47656	123.0	2.28	280.9	379.7	660.6	16,125
Humber	25	Humber	223	409	135	544	56.2	1.4	3.16	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						544	56.2	1.4	3.16	4.4	90.0	4.6	99.0	1474.6	48200	124.4	2.28	283.6	474.2	757.8	16,464
Rutland	26	Rutland	223	748	0	748	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						748	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	48947	126.3	2.27	287.2	566.1	853.3	16,935
Estevan	27	ECIMH029	223	1609	102	1711	72.7	4.4	2.91	12.8	66.1	3.2	82.1								
Dalhousie	28	ECIMH029	223	776	0	776	29.4	2.0	3.09	6.2	26.7	1.3	34.2								
Subtotal (Section ECI-5)						2487	102.1	6.4	19.0	92.8	4.5	116.3	1655.1	51434	132.8	2.25	299.1	663.4	962.5	17,885	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	91103	235.1	2.03	478.2	2237.1	2715.3	30,558

Richmond	34	ECIMH005	223	8613	1642	10255	227.6	26.5	2.36	62.3	478.5	15.1	555.9								
Subtotal (Section ECI-7)						10255	227.6	26.5	2.36	62.3	478.5	15.1	555.9	2870.1	101358	261.6	2.00	522.0	2730.7	3252.6	33,727
Hartley/Hollywood	35	ECIMH001	223	379	0	379	67.5	1.0	3.23	3.2	141.9	4.5	149.5								
Subtotal (Section NETC-1)						379	67.5	1.0	3.23	3.2	141.9	4.5	149.5	2937.6	101737	262.6	1.99	523.6	2877.1	3400.6	34,073
Bushby	37	NECMH010	223	1203	7	1210	45.1	3.1	3.00	9.4	68.4	5.1	82.9								
Subtotal (Section NETC-2)						1210	45.1	3.1	3.00	9.4	68.4	5.1	82.9	2982.7	102947	265.7	1.99	528.7	2950.6	3479.3	34,518
Clover	38	NECMH003	223	41993	33732	75725	846.6	195.4	1.68	328.7	1284.1	96.2	1709.0								
Subtotal (Section NETC-3)						75725	846.6	195.4	1.68	328.7	1284.1	96.2	1709.0	3829.3	178672	461.2	1.81	832.9	4330.9	5163.8	54,686

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	223	1492	0	1492	40.6	3.9	2.95	11.3	94.5	2.3	108.1									
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.3	94.5	2.3	108.1		40.6	1492	3.9	2.95	11.3	96.8	108.1	490
Trent	39A02	NEBMH062	223	2296	1414	3710	58.8	9.6	2.69	25.8	136.9	3.3	165.9									
Trent	39A03	NEBMH059	223	501	111	612	12.4	1.6	3.14	5.0	28.9	0.7	34.5									
Subtotal (Section NETB-2)						4322	71.2	11.2	2.87	30.7	165.7	4.0	200.4		111.8	5814	15.0	3.18	47.8	266.5	314.2	1,730
Trent	39C03	NEBMH054	223	1857	155	2012	39.7	5.2	2.87	14.9	74.5	1.0	90.5									
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	14.9	74.5	1.0	90.5		151.5	7825	20.2	3.06	61.8	342.1	403.9	2,332
Trent	39B01	NEBMH050	223	5422	400	5822	102.7	15.0	2.55	38.3	283.9	19.4	341.6									
Trent	39B02	NEBMH050	223	1719	114	1833	47.2	4.7	2.89	13.7	130.5	8.9	153.1									
Trent	39C02	NEBMH049	223	959	0	959	20.4	2.5	3.05	7.5	38.3	0.5	46.4									
Trent	39C04	NEBMH041	223	368	467	835	12.5	2.2	3.08	6.6	23.5	0.3	30.4									
Subtotal (Section NETB-4)						9448	182.8	24.4	66.1	476.2	29.2	571.5	334.3	1727.4	44.6	2.72	121.1	847.4	968.5	5,148		
Trent	39C01	NEBMH035	223	5514	840	6354	93.5	16.4	2.52	41.3	175.6	2.4	219.3									
Broom	30A02	NEBMH033	223	2356	373	2729	145.5	7.0	2.78	19.6	127.3	8.5	155.3									
Broom	30B01	NEBMH032	223	351	0	351	11.5	0.9	3.24	2.9	6.3	0.7	9.9									
Broom	30B02	NEBMH030	223	319	47	366	6.4	0.9	3.23	3.1	3.5	0.4	6.9									
Subtotal (Section NETB-5)						9801	256.9	25.3	66.9	312.6	11.9	391.4	591.2	2707.5	69.9	2.52	176.2	1171.9	1348.1	8,329		
Broom	30B03	NEBMH028	223	658	403	1061	20.8	2.7	3.03	8.3	11.3	1.2	20.8									
Broom	30B04	NEBMH027	223	0	502	502	5.5	1.3	3.18	4.1	3.0	0.3	7.4									
Broom	30B05	NEBMH026	223	225	113	338	8.5	0.9	3.24	2.8	4.6	0.5	8.0									
Broom	30B06	NEBMH026	223	236	4	240	4.1	0.6	3.29	2.0	2.2	0.2	4.5									
Broom	30B07	NEBMH025	223	82	0	82	2.4	0.2	3.41	0.7	1.3	0.1	2.2									
Subtotal (Section NETB-6)						2223	41.3	5.7	18.0	22.5	2.4	42.9	632.5	29298	75.6	2.49	188.1	1196.9	1385.0	8,985		
Broom	30B09	NEBMH024	223	2247	277	2524	65.2	6.5	2.80	18.3	35.6	3.8	57.6									
Broom	30B08	NEBMH022	223	127	0	127	4.2	0.3	3.37	1.1	2.3	0.2	3.6									
Broom	30B10	NEBMH020	223	43	8	51	3.5	0.1	3.45	0.5	1.9	0.2	2.6									
Broom	30B11	NEBMH020	223	66	0	66	2.1	0.2	3.43	0.6	1.1	0.1	1.9									
Windsor	31A	NEBMH017	223	119	0	119	4.6	0.5	3.38	1.0	2.5	0.3	3.8									
Subtotal (Section NETB-7)						2889	79.6	7.5	21.5	43.4	4.6	69.5	712.1	32187	83.1	2.45	203.3	1244.9	1448.2	9,938		
Esplanade	29	NEBMH014	223	349	65	414	15.4	1.1	3.21	3.4	13.5	0.9	17.8									
Subtotal (Section NETB-8)						414	15.4	1.1	3.21	3.4	13.5	0.9	17.8	727.5	32601	84.1	2.44	205.5	1259.3	1464.8	10,090	
Windsor	31B	NEBMH003	223	1670	211	1881	57.2	4.9	2.89	14.0	31.2	3.3	48.5									
Currie	32	NEBMH001	223	4916	271	5187	202.7	13.4	2.58	34.6	470.7	19.8	525.0									
Subtotal (Section NETB-9)						7068	259.9	18.2	48.6	501.9	23.1	573.6	987.4	39669	102.4	2.36	241.6	1784.3	2025.9	12,673		

NET-B Ends at the Currie Major Pump Station

ECI																						
Arbutus	23	ECIMH041	223	24783	10818	35601	1069.2	91.9	2.40	221.0	272.7	39.5	533.2									
Subtotal (Section ECI-1)						35601	1069.2	91.9	2.40	221.0	272.7	39.5	533.2	1069.2	35601	91.9	2.40	221.0	312.3	533.2	12,083	
Penryn	24	Penryn	223	2863	4449	7312	280.8	18.9	2.47	46.6	55.4	6.1	108.1									
Broom	30A01	Penryn	223	195	4548	4743	68.4	12.2	2.61	32.0	59.8	4.0	95.8									
Subtotal (Section ECI-2)						12055	349.2	31.1	5.08	78.6	115.3	10.0	203.9	1418.4	47656	123.0	2.28	280.9	437.6	718.5	16,125	
Humber	25	Humber	223	409	135	544	56.2	1.4	3.16	4.4	90.0	4.6	99.0									
Subtotal (Section ECI-3)						544	56.2	1.4	3.16	4.4	90.0	4.6	99.0	1474.6	48200	124.4	2.28	283.6	532.1	815.7	16,464	
Rutland	26	Rutland	223	748	0	748	78.4	1.9	3.10	6.0	90.0	1.9	97.9									
Subtotal (Section ECI-4)						748	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	48947	126.3	2.27	287.2	624.0	911.2	16,935	
Estevan	27	ECIMH029	223	1609	102	1711	72.7	4.4	2.91	12.8	71.6	3.2	87.6									
Dalhousie	28	ECIMH029	223	776	0	776	29.4	2.0	3.09	6.2	28.9	1.3	36.4									
Subtotal (Section ECI-5)						2487	102.1	6.4	19.0	100.5	4.5	124.0	1655.1	51434	132.8	2.25	299.1	729.0	1028.2	17,885		

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream																2642.5	91103	235.1	2.03	478.2	2513.3	2991.5	30,558
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Richmond	34	ECIMH005	223	8613	1642	10255	227.6	26.5	2.36	62.3	546.0	15.1	623.4									
Subtotal (Section ECI-7)						10255	227.6	26.5	2.36	62.3	546.0	15.1	623.4	2870.1	101358	261.6	2.00	522.0	3074.4	3596.3	33,727	
Hartley/Hollywood	35	ECIMH001	223	379	0	379	67.5	1.0	3.23	3.2	161.9	4.5	169.6									
Subtotal (Section NETC-1)						379	67.5	1.0	3.23	3.2	161.9	4.5	169.6	2937.6	101737	262.6	1.99	523.6	3240.8	3764.3	34,073	
Bushby	37	NECMH010	223	1203	7	1210	45.1	3.1	3.00	9.4	76.6	5.1	91.1									
Subtotal (Section NETC-2)						1210	45.1	3.1	3.00	9.4	76.6	5.1	91.1	2982.7	102947	265.7	1.99	528.7	3322.6	3851.2	34,518	
Clover	38	NECMH003	223	41993	33732	75725	846.6	195.4	1.68	328.7	1438.8	96.2	1863.7									
Subtotal (Section NETC-3)						75725	846.6	195.4	1.68	328.7	1438.8	96.2	1863.7	3829.3	178672	461.2	1.81	832.9	<			

NET/ECI Estimated Wastewater Flows
Year = 2015, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Trent	39A01	NEBMH066	223	1492	0	1492	40.6	3.9	2.95	11.3	114.3	2.3	127.9									
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.3	114.3	2.3	127.9	40.6	1492	3.9	2.95	11.3	116.5	127.9	490	
Trent	39A02	NEBMH062	223	2296	1414	3710	58.8	9.6	2.69	25.8	165.5	3.3	194.5									
Trent	39A03	NEBMH059	223	501	111	612	12.4	1.6	3.14	5.0	34.9	0.7	40.6									
Subtotal (Section NETB-2)						4322	71.2	11.2	2.87	30.7	200.4	4.0	235.1	111.8	5814	15.0	3.18	47.8	320.9	368.6	1,730	
Trent	39C03	NEBMH054	223	1857	155	2012	39.7	5.2	2.87	14.9	86.3	1.0	102.2									
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	14.9	86.3	1.0	102.2	151.5	7825	20.2	3.06	61.8	408.2	470.0	2,332	
Trent	39B01	NEBMH050	223	5422	400	5822	102.7	15.0	2.55	38.3	318.5	19.4	376.2									
Trent	39B02	NEBMH050	223	1719	114	1833	47.2	4.7	2.89	13.7	146.4	8.9	169.0									
Trent	39C02	NEBMH049	223	959	0	959	20.4	2.5	3.05	7.5	44.3	0.5	52.4									
Trent	39C04	NEBMH041	223	368	467	835	12.5	2.2	3.08	6.6	27.2	0.3	34.1									
Subtotal (Section NETB-4)						9448	182.8	24.4	66.1	536.4	29.2	631.7	334.3	17274	44.6	2.72	121.1	973.8	1094.9	5,148		
Trent	39C01	NEBMH035	223	5514	840	6354	93.5	16.4	2.52	41.3	203.2	2.4	247.0									
Broom	30A02	NEBMH033	223	2356	373	2729	145.5	7.0	2.78	19.6	152.9	8.5	180.9									
Broom	30B01	NEBMH032	223	351	0	351	11.5	0.9	3.24	2.9	6.9	0.7	10.5									
Broom	30B02	NEBMH030	223	319	47	366	6.4	0.9	3.23	3.1	3.8	0.4	7.3									
Subtotal (Section NETB-5)						9801	256.9	25.3	66.9	366.9	11.9	445.7	591.2	27075	69.9	2.52	176.2	1352.6	1528.8	8,329		
Broom	30B03	NEBMH028	223	658	403	1061	20.8	2.7	3.03	8.3	12.5	1.2	22.0									
Broom	30B04	NEBMH027	223	0	502	502	5.5	1.3	3.18	4.1	3.3	0.3	7.7									
Broom	30B05	NEBMH026	223	225	113	338	8.5	0.9	3.24	2.8	5.1	0.5	8.4									
Broom	30B06	NEBMH026	223	236	4	240	4.1	0.6	3.29	2.0	2.5	0.2	4.7									
Broom	30B07	NEBMH025	223	82	0	82	2.4	0.2	3.41	0.7	1.4	0.1	2.3									
Subtotal (Section NETB-6)						2223	41.3	5.7	18.0	24.8	2.4	45.2	632.5	29298	75.6	2.49	188.1	1379.8	1567.9	8,985		
Broom	30B09	NEBMH024	223	2247	277	2524	65.2	6.5	2.80	18.3	39.2	3.8	61.3									
Broom	30B08	NEBMH022	223	127	0	127	4.2	0.3	3.37	1.1	2.5	0.2	3.9									
Broom	30B10	NEBMH020	223	43	8	51	3.5	0.1	3.45	0.5	2.1	0.2	2.8									
Broom	30B11	NEBMH020	223	66	0	66	2.1	0.2	3.43	0.6	1.3	0.1	2.0									
Windsor	31A	NEBMH017	223	119	0	119	4.6	0.5	3.38	1.0	2.9	0.3	4.1									
Subtotal (Section NETB-7)						2889	79.6	7.5	21.5	47.9	4.6	74.0	712.1	32187	83.1	2.45	203.3	1432.3	1635.6	9,938		
Esplanade	29	NEBMH014	223	349	65	414	15.4	1.1	3.21	3.4	16.2	0.9	20.5									
Subtotal (Section NETB-8)						414	15.4	1.1	3.21	3.4	16.2	0.9	20.5	727.5	32601	84.1	2.44	205.5	1449.4	1654.8	10,090	
Windsor	31B	NEBMH003	223	1670	211	1881	57.2	4.9	2.89	14.0	34.4	3.3	51.7									
Currie	32	NEBMH001	223	4916	271	5187	202.7	13.4	2.58	34.6	543.9	19.8	598.3									
Subtotal (Section BETB-9)						7068	259.9	18.2	48.6	578.3	23.1	650.0	987.4	39669	102.4	2.36	241.6	2050.8	2292.4	12,673		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	223	24783	10818	35601	1069.2	91.9	2.40	221.0	321.2	39.5	581.7								
Subtotal (Section ECI-1)						35601	1069.2	91.9	2.40	221.0	321.2	39.5	581.7	1069.2	35601	91.9	2.40	221.0	360.8	581.7	12,083
Penryn	24	Penryn	223	2863	4449	7312	280.8	18.9	2.47	46.6	68.1	6.1	120.8								
Broom	30A01	Penryn	223	195	4548	4743	68.4	12.2	2.61	32.0	71.9	4.0	107.8								
Subtotal (Section ECI-2)						12055	349.2	31.1	5.08	78.6	140.0	10.0	228.6	1418.4	47656	123.0	2.28	280.9	510.7	791.7	16,125
Humber	25	Humber	223	409	135	544	56.2	1.4	3.16	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						544	56.2	1.4	3.16	4.4	90.0	4.6	99.0	1474.6	48200	124.4	2.28	283.6	605.3	888.9	16,464
Rutland	26	Rutland	223	748	0	748	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						748	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	48947	126.3	2.27	287.2	697.2	984.4	16,935
Estevan	27	ECIMH029	223	1609	102	1711	72.7	4.4	2.91	12.8	78.6	3.2	94.6								
Dalhousie	28	ECIMH029	223	776	0	776	29.4	2.0	3.09	6.2	31.8	1.3	39.3								
Subtotal (Section ECI-5)						2487	102.1	6.4	19.0	110.4	4.5	133.9	1655.1	51434	132.8	2.25	299.1	812.1	1111.2	17,885	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	91103	235.1	2.03	478.2	2862.9	3341.0	30,558

Richmond	34	ECIMH005	223	8613	1642	10255	227.6	26.5	2.36	62.3	631.8	15.1	709.2								
Subtotal (Section ECI-7)						10255	227.6	26.5	2.36	62.3	631.8	15.1	709.2	2870.1	101358	261.6	2.00	522.0	3509.7	4031.7	33,727
Hartley/Hollywood	35	ECIMH001	223	379	0	379	67.5	1.0	3.23	3.2	187.4	4.5	195.0								
Subtotal (Section NETC-1)						379	67.5	1.0	3.23	3.2	187.4	4.5	195.0	2937.6	101737	262.6	1.99	523.6	3701.5	4225.1	34,073
Bushby	37	NECMH010	223	1203	7	1210	45.1	3.1	3.00	9.4	87.1	5.1	101.5								
Subtotal (Section NETC-2)						1210	45.1	3.1	3.00	9.4	87.1	5.1	101.5	2982.7	102947	265.7	1.99	528.7	3793.7	4322.4	34,518
Clover	38	NECMH003	223	41993	33732	75725	846.6	195.4	1.68	328.7	1634.4	96.2	2059.3								
Subtotal (Section NETC-3)						75725	846.6	195.4	1.68	328.7	1634.4	96.2	2059.3	3829.3	178672	461.2	1.81	832.9	5524.4	6357.3	54,686

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Trent	39A01	NEBMH066	223	1492	0	1492	40.6	3.9	2.95	11.3	143.6	2.3	157.2									
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.3	143.6	2.3	157.2	40.6	1492	3.9	2.95	11.3	145.8	157.2	490	
Trent	39A02	NEBMH062	223	2296	1414	3710	58.8	9.6	2.69	25.8	207.9	3.3	237.0									
Trent	39A03	NEBMH059	223	501	111	612	12.4	1.6	3.14	5.0	43.8	0.7	49.5									
Subtotal (Section NETB-2)						4322	71.2	11.2		30.7	251.8	4.0	286.5	111.8	5814	15.0	3.18	47.8	401.6	449.3	1,730	
Trent	39C03	NEBMH054	223	1857	155	2012	39.7	5.2	2.87	14.9	103.7	1.0	119.7									
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	14.9	103.7	1.0	119.7	151.5	7825	20.2	3.06	61.8	506.3	568.1	2,332	
Trent	39B01	NEBMH050	223	5422	400	5822	102.7	15.0	2.55	38.3	369.6	19.4	427.3									
Trent	39B02	NEBMH050	223	1719	114	1833	47.2	4.7	2.89	13.7	169.9	8.9	192.5									
Trent	39C02	NEBMH049	223	959	0	959	20.4	2.5	3.05	7.5	63.3	0.5	61.4									
Trent	39C04	NEBMH041	223	368	467	835	12.5	2.2	3.08	6.6	32.7	0.3	39.6									
Subtotal (Section NETB-4)						9448	182.8	24.4		66.1	625.4	29.2	720.7	334.3	17274	44.6	2.72	121.1	1160.9	1282.0	5,148	
Trent	39C01	NEBMH035	223	5514	840	6354	93.5	16.4	2.52	41.3	244.3	2.4	288.0									
Broom	30A02	NEBMH033	223	2356	373	2729	145.5	7.0	2.78	19.6	190.9	8.5	218.9									
Broom	30B01	NEBMH032	223	351	0	351	11.5	0.9	3.24	2.9	7.9	0.7	11.5									
Broom	30B02	NEBMH030	223	319	47	366	6.4	0.9	3.23	3.1	4.4	0.4	7.8									
Subtotal (Section NETB-5)						9801	256.9	25.3		66.9	447.4	11.9	526.2	591.2	27075	69.9	2.52	176.2	1620.3	1796.4	8,329	
Broom	30B03	NEBMH028	223	658	403	1061	20.8	2.7	3.03	8.3	14.2	1.2	23.7									
Broom	30B04	NEBMH027	223	0	502	502	5.5	1.3	3.18	4.1	3.8	0.3	8.2									
Broom	30B05	NEBMH026	223	225	113	338	8.5	0.9	3.24	2.8	5.8	0.5	9.1									
Broom	30B06	NEBMH026	223	236	4	240	4.1	0.6	3.29	2.0	2.8	0.2	5.1									
Broom	30B07	NEBMH025	223	82	0	82	2.4	0.2	3.41	0.7	1.6	0.1	2.5									
Subtotal (Section NETB-6)						2223	41.3	5.7		18.0	28.2	2.4	48.6	632.5	29298	75.6	2.49	188.1	1650.9	1839.0	8,985	
Broom	30B09	NEBMH024	223	2247	277	2524	65.2	6.5	2.80	18.3	44.6	3.8	66.6									
Broom	30B08	NEBMH022	223	127	0	127	4.2	0.3	3.37	1.1	2.9	0.2	4.2									
Broom	30B10	NEBMH020	223	43	8	51	3.5	0.1	3.45	0.5	2.4	0.2	3.1									
Broom	30B11	NEBMH020	223	66	0	66	2.1	0.2	3.43	0.6	1.4	0.1	2.2									
Windsor	31A	NEBMH017	223	119	0	119	4.6	0.5	3.38	1.0	3.1	0.3	4.5									
Subtotal (Section NETB-7)						2889	79.6	7.5		21.5	54.4	4.6	80.5	712.1	32187	83.1	2.45	203.3	1709.9	1913.2	9,938	
Esplanade	29	NEBMH014	223	349	65	414	15.4	1.1	3.21	3.4	20.2	0.9	24.5									
Subtotal (Section NETB-8)						414	15.4	1.1		3.21	3.4	20.2	0.9	24.5	727.5	32601	84.1	2.44	205.5	1731.0	1936.5	10,090
Windsor	31B	NEBMH003	223	1670	211	1881	57.2	4.9	2.89	14.0	39.1	3.3	56.4									
Currie	32	NEBMH001	223	4916	271	5187	202.7	13.4	2.58	34.6	652.1	19.8	706.5									
Subtotal (Section NETB-9)						7068	259.9	18.2		48.6	691.2	23.1	762.9	987.4	39669	102.4	2.36	241.6	2445.4	2686.9	12,673	

NET-B Ends at the Currie Major Pump Station

ECI																						
Arbutus	23	ECIMH041	223	24783	10818	35601	1069.2	91.9	2.40	221.0	392.9	39.5	653.4									
Subtotal (Section ECI-1)						35601	1069.2	91.9	2.40	221.0	392.9	39.5	653.4	1069.2	35601	91.9	2.40	221.0	432.4	653.4	12,083	
Penryhn	24	Penryhn	223	2863	4449	7312	280.8	18.9	2.47	46.6	86.8	6.1	139.5									
Broom	30A01	Penryhn	223	195	4548	4743	68.4	12.2	2.61	32.0	89.7	4.0	125.7									
Subtotal (Section ECI-2)						12055	349.2	31.1	5.08	78.6	176.5	10.0	265.1	1418.4	47656	123.0	2.28	280.9	618.9	899.9	16,125	
Humber	25	Humber	223	409	135	544	56.2	1.4	3.16	4.4	90.0	4.6	99.0									
Subtotal (Section ECI-3)						544	56.2	1.4	3.16	4.4	90.0	4.6	99.0	1474.6	48200	124.4	2.28	283.6	713.5	997.1	16,464	
Rutland	26	Rutland	223	748	0	748	78.4	1.9	3.10	6.0	90.0	1.9	97.9									
Subtotal (Section ECI-4)						748	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	48947	126.3	2.27	287.2	805.4	1092.6	16,935	
Estevan	27	ECIMH029	223	1609	102	1711	72.7	4.4	2.91	12.8	88.9	3.2	105.0									
Dalhousie	28	ECIMH029	223	776	0	776	29.4	2.0	3.09	6.2	36.0	1.3	43.4									
Subtotal (Section ECI-5)						2487	102.1	6.4		19.0	124.9	4.5	148.4	1655.1	51434	132.8	2.25	299.1	934.8	1233.9	17,885	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	91103	235.1	2.03	478.2	3380.1	3858.3	30,558

Richmond	34	ECIMH005	223	8613	1642	10255	227.6	26.5	2.36	62.3	758.3	15.1	835.7								
Subtotal (Section ECI-7)						10255	227.6	26.5	2.36	62.3	758.3	15.1	835.7	2870.1	101358	261.6	2.00	522.0	4153.5	4675.5	33,727
Harting/Hollywood	35	ECIMH001	223	379	0	379	67.5	1.0	3.23	3.2	224.9	4.5	232.5								
Subtotal (Section NETC-1)						379	67.5	1.0	3.23	3.2	224.9	4.5	232.5	2937.6	101737	262.6	1.99	523.6	4382.9	4906.4	34,073
Bushby	37	NECMH010	223	1203	7	1210	45.1	3.1	3.00	9.4	102.5	5.1	116.9								
Subtotal (Section NETC-2)						1210	45.1	3.1	3.00	9.4	102.5	5.1	116.9	2982.7	102947	265.7	1.99	528.7	4490.5	5019.1	34,518
Clover	38	NECMH003	223	41993	33732	75725	846.6	195.4	1.68	328.7	1923.3	96.2	2348.3								
Subtotal (Section NETC-3)						75725	846.6	195.4	1.68	328.7	1923.3	96.2	2348.3	3829.3	178672	461.2	1.81	832.9	6510.0	7343.0	54,686

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	206	1584	0	1584	40.6	3.8	2.93	11.1	55.2	2.3	68.5								
Subtotal (Section NETB-1)																					
Trent	39A02	NEBMH062	206	2438	1514	3952	58.8	9.4	2.67	25.2	80.0	3.3	108.4								
Trent	39A03	NEBMH059	206	532	117	649	12.4	1.5	3.13	4.8	16.9	0.7	22.4								
Subtotal (Section NETB-2)																					
Trent	39C03	NEBMH054	206	1984	171	2155	39.7	5.1	2.85	14.6	51.2	1.0	66.8								
Subtotal (Section NETB-3)																					
Trent	39B01	NEBMH050	206	5756	424	6180	102.7	14.7	2.53	37.2	215.3	19.4	271.9								
Trent	39B02	NEBMH050	206	1826	120	1946	47.2	4.6	2.88	13.3	98.9	8.9	121.2								
Trent	39C02	NEBMH049	206	1019	0	1019	20.4	2.4	3.04	7.4	26.3	0.5	34.2								
Trent	39C04	NEBMH041	206	420	518	938	12.5	2.2	3.05	6.8	16.1	0.3	23.3								
Subtotal (Section NETB-4)																					
Trent	39C01	NEBMH035	206	5856	889	6745	93.5	16.1	2.50	40.2	120.5	2.4	163.1								
Broom	30A02	NEBMH033	206	2382	383	2765	145.5	6.6	2.78	18.3	76.3	8.5	103.1								
Broom	30B01	NEBMH032	206	392	0	392	11.5	0.9	3.22	3.0	5.0	0.7	8.7								
Broom	30B02	NEBMH030	206	322	49	371	6.4	0.9	3.23	2.9	2.8	0.4	6.0								
Subtotal (Section NETB-5)																					
Broom	30B03	NEBMH028	206	691	421	1112	20.8	2.7	3.02	8.0	9.1	1.2	18.3								
Broom	30B04	NEBMH027	206	0	515	515	5.5	1.2	3.17	3.9	2.4	0.3	6.6								
Broom	30B05	NEBMH026	206	227	116	343	8.5	0.8	3.24	2.7	3.7	0.5	6.9								
Broom	30B06	NEBMH026	206	239	4	243	4.1	0.6	3.29	1.9	1.8	0.2	3.9								
Broom	30B07	NEBMH025	206	83	0	83	2.4	0.2	3.41	0.7	1.0	0.1	1.9								
Subtotal (Section NETB-6)																					
Broom	30B09	NEBMH024	206	2273	283	2556	65.2	6.1	2.80	17.1	28.5	3.8	49.4								
Broom	30B08	NEBMH022	206	128	0	128	4.2	0.3	3.37	1.0	1.8	0.2	3.1								
Broom	30B10	NEBMH020	206	43	9	52	3.5	0.1	3.45	0.4	1.5	0.2	2.2								
Broom	30B11	NEBMH020	206	69	0	69	2.1	0.2	3.43	0.6	0.9	0.1	1.6								
Windsor	31A	NEBMH017	206	121	0	121	4.6	0.3	3.38	1.0	2.0	0.3	3.2								
Subtotal (Section NETB-7)																					
Esplanade	29	NEBMH014	206	353	66	419	15.4	1.0	3.21	3.2	8.1	0.9	12.2								
Subtotal (Section NETB-8)																					
Windsor	31B	NEBMH003	206	1689	216	1905	57.2	4.5	2.88	13.1	25.0	3.3	41.4								
Currie	32	NEBMH001	206	4972	277	5249	202.7	12.5	2.58	32.3	325.2	19.8	377.2								
Subtotal (Section NETB-9)																					
NET-B Ends at the Currie Major Pump Station														987.4	41491	98.9	2.34	231.6	1255.0	1486.5	12,374

ECI

Arbutus	23	ECIMH041	206	28282	11353	39635	1069.2	94.5	2.36	223.0	176.4	39.5	438.9								
Subtotal (Section ECI-1)																					
Penryhn	24	Penryhn	206	3267	5446	8713	280.8	20.8	2.41	50.1	30.3	6.1	86.5								
Broom	30A01	Penryhn	206	197	5374	5571	68.4	13.3	2.56	34.0	35.9	4.0	73.9								
Subtotal (Section ECI-2)																					
Humber	25	Humber	206	414	138	552	56.2	1.3	3.16	4.2	90.0	4.6	98.7								
Subtotal (Section ECI-3)																					
Rutland	26	Rutland	206	757	0	757	78.4	1.8	3.10	5.6	90.0	1.9	97.5								
Subtotal (Section ECI-4)																					
Estevan	27	ECIMH029	206	1626	105	1731	72.7	4.1	2.91	12.0	57.7	3.2	72.9								
Dalhousie	28	ECIMH029	206	785	0	785	29.4	1.9	3.09	5.8	23.3	1.3	30.4								
Subtotal (Section ECI-5)																					
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	99234	236.6	2.00	473.9	1819.1	2292.9	30,685

Richmond	34	ECIMH005	206	9115	1734	10849	227.6	25.9	2.34	60.4	375.9	15.1	451.3								
Subtotal (Section ECI-7)																					
Harting/Hollywood	35	ECIMH001	206	383	0	383	67.5	0.9	3.22	2.9	111.5	4.5	118.9								
Subtotal (Section NETC-1)																					
Bushby	37	NECMH010	206	1277	7	1284	45.1	3.1	2.98	9.1	55.9	5.1	70.2								
Subtotal (Section NETC-2)																					
Clover	38	NECMH003	206	44593	35668	80261	846.6	191.4	1.66	318.5	1050.1	96.2	1464.8								
Subtotal (Section NETC-3)																					
NET-C Ends at Clover Point Pump Station														3829.3	192012	457.8	1.78	816.7	3533.3	4350.1	54,397

NET/ECI Estimated Wastewater Flows
Year = 2030, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Trent	39A01	NEBMH066	206	1584	0	1584	40.6	3.8	2.93	11.1	78.8	2.3	92.2									
Subtotal (Section NETB-1)						1584	40.6	3.8	2.93	11.1	78.8	2.3	92.2	40.6	1584	3.8	2.93	11.1	81.1	92.2	484	
Trent	39A02	NEBMH062	206	2438	1514	3952	58.8	9.4	2.67	25.2	114.2	3.3	142.6									
Trent	39A03	NEBMH059	206	532	117	649	12.4	1.5	3.13	4.8	24.1	0.7	29.6									
Subtotal (Section NETB-2)						4602	71.2	11.0	3.00	30.0	138.2	4.0	172.2	111.8	6186	14.7	3.16	46.6	223.3	269.9	1,708	
Trent	39C03	NEBMH054	206	1984	171	2155	39.7	5.1	2.85	14.6	65.2	1.0	80.9									
Subtotal (Section NETB-3)						2155	39.7	5.1	2.85	14.6	65.2	1.0	80.9	151.5	8341	19.9	3.03	60.3	289.6	349.9	2,305	
Trent	39B01	NEBMH050	206	5756	424	6180	102.7	14.7	2.53	37.2	256.7	19.4	313.3									
Trent	39B02	NEBMH050	206	1826	120	1946	47.2	4.6	2.88	13.3	118.0	8.9	140.2									
Trent	39C02	NEBMH049	206	1019	0	1019	20.4	2.4	3.04	7.4	33.5	0.5	41.4									
Trent	39C04	NEBMH041	206	420	518	938	12.5	2.2	3.05	6.8	20.5	0.3	27.7									
Subtotal (Section NETB-4)						10083	182.8	24.0	64.8	428.7	29.2	334.3	18424	43.9	2.69	118.1	747.5	865.5	5,091			
Trent	39C01	NEBMH035	206	5856	889	6745	93.5	16.1	2.50	40.2	153.6	2.4	196.2									
Broom	30A02	NEBMH033	206	2382	383	2765	145.5	6.6	2.78	18.3	106.9	8.5	133.7									
Broom	30B01	NEBMH032	206	392	0	392	11.5	0.9	3.22	3.0	5.8	0.7	9.5									
Broom	30B02	NEBMH030	206	322	49	371	6.4	0.9	3.23	2.9	3.2	0.4	6.5									
Subtotal (Section NETB-5)						10273	256.9	24.5	64.4	269.6	11.9	345.8	591.2	28697	68.4	2.50	170.8	1028.9	1199.7	8,203		
Broom	30B03	NEBMH028	206	691	421	1112	20.8	2.7	3.02	8.0	10.5	1.2	19.7									
Broom	30B04	NEBMH027	206	0	515	515	5.5	1.2	3.17	3.9	2.8	0.3	7.0									
Broom	30B05	NEBMH026	206	227	116	343	8.5	0.8	3.24	2.7	4.3	0.5	7.4									
Broom	30B06	NEBMH026	206	239	4	243	4.1	0.6	3.29	1.9	2.1	0.2	4.2									
Broom	30B07	NEBMH025	206	83	0	83	2.4	0.2	3.41	0.7	1.2	0.1	2.0									
Subtotal (Section NETB-6)						2297	41.3	5.5	17.1	20.8	2.4	40.3	632.5	30994	73.9	2.46	182.0	1052.1	1234.2	8,838		
Broom	30B09	NEBMH024	206	2273	283	2556	65.2	6.1	2.80	17.1	32.8	3.8	53.7									
Broom	30B08	NEBMH022	206	128	0	128	4.2	0.3	3.37	1.0	2.1	0.2	3.4									
Broom	30B10	NEBMH020	206	43	9	52	3.5	0.1	3.45	0.4	1.8	0.2	2.4									
Broom	30B11	NEBMH020	206	69	0	69	2.1	0.2	3.43	0.6	1.1	0.1	1.7									
Windsor	31A	NEBMH017	206	121	0	121	4.6	0.5	3.38	1.0	2.3	0.3	3.6									
Subtotal (Section NETB-7)						2925	79.6	7.0	20.1	40.1	4.6	64.8	712.1	33920	80.9	2.43	196.1	1096.8	1293.0	9,748		
Esplanade	29	NEBMH014	206	353	66	419	15.4	1.0	3.21	3.2	11.3	0.9	15.4									
Subtotal (Section NETB-8)						419	15.4	1.0	3.21	3.2	11.3	0.9	15.4	727.5	34338	81.9	2.42	198.1	1109.1	1307.2	9,894	
Windsor	31B	NEBMH003	206	1689	216	1905	57.2	4.5	2.88	13.1	28.8	3.3	45.2									
Currie	32	NEBMH001	206	4972	277	5249	202.7	12.5	2.58	32.3	412.8	19.8	464.8									
Subtotal (Section NETB-9)						7153	259.9	17.1	45.4	441.6	23.1	510.0	987.4	41491	98.9	2.34	231.6	1573.7	1805.3	12,374		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	206	28282	11353	39635	1069.2	94.5	2.36	223.0	234.4	39.5	496.9								
Subtotal (Section ECI-1)						39635	1069.2	94.5	2.36	223.0	234.4	39.5	496.9	1069.2	39635	94.5	2.36	223.0	273.9	496.9	12,309
Penryn	24	Penryn	206	3267	5446	8713	280.8	20.8	2.41	50.1	45.4	6.1	101.6								
Broom	30A01	Penryn	206	197	5374	5571	68.4	13.3	2.56	34.0	50.3	4.0	88.3								
Subtotal (Section ECI-2)						14284	349.2	34.1	4.97	84.1	95.7	10.0	189.8	1418.4	53919	128.6	2.23	287.2	379.7	666.9	16,605
Humber	25	Humber	206	414	138	552	56.2	1.3	3.16	4.2	90.0	4.6	98.7								
Subtotal (Section ECI-3)						552	56.2	1.3	3.16	4.2	90.0	4.6	98.7	1474.6	54471	129.9	2.23	289.6	474.2	763.9	16,936
Rutland	26	Rutland	206	757	0	757	78.4	1.8	3.10	5.6	90.0	1.9	97.5								
Subtotal (Section ECI-4)						757	78.4	1.8	3.10	5.6	90.0	1.9	97.5	1553.0	55227	131.7	2.22	292.9	566.1	859.1	17,396
Estevan	27	ECIMH029	206	1626	105	1731	72.7	4.1	2.91	12.0	66.1	3.2	81.2								
Dalhousie	28	ECIMH029	206	785	0	785	29.4	1.9	3.09	5.8	26.7	1.3	33.8								
Subtotal (Section ECI-5)						2516	102.1	6.0	17.8	92.8	4.5	115.0	1655.1	57743	137.7	2.21	303.8	663.4	967.2	18,310	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	99234	236.6	2.00	473.9	2237.1	2710.9	30,685

Richmond	34	ECIMH005	206	9115	1734	10849	227.6	25.9	2.34	60.4	478.5	15.1	554.0								
Subtotal (Section ECI-7)						10849	227.6	25.9	2.34	60.4	478.5	15.1	554.0	2870.1	110084	262.5	1.97	516.0	2730.7	3246.7	33,802
Haring/Hollywood	35	ECIMH001	206	383	0	383	67.5	0.9	3.22	2.9	141.9	4.5	149.3								
Subtotal (Section NETC-1)						383	67.5	0.9	3.22	2.9	141.9	4.5	149.3	2937.6	110467	263.4	1.96	517.5	2877.1	3394.6	34,142
Bushby	37	NECMH010	206	1277	7	1284	45.1	3.1	2.98	9.1	68.4	5.1	82.7								
Subtotal (Section NETC-2)						1284	45.1	3.1	2.98	9.1	68.4	5.1	82.7	2982.7	111751	266.4	1.96	522.4	2950.6	3473.0	34,582
Clover	38	NECMH003	206	44593	35668	80261	846.6	191.4	1.66	318.5	1284.1	96.2	1698.8								
Subtotal (Section NETC-3)						80261	846.6	191.4	1.66	318.5	1284.1	96.2	1698.8	3829.3	192012	457.8	1.78	816.7	4330.9	5147.6	54,397

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	206	1584	0	1584	40.6	3.8	2.93	11.1	94.5	2.3	107.8								
Subtotal (Section NETB-1)						1584	40.6	3.8	2.93	11.1	94.5	2.3	107.8	40.6	1584	3.8	2.93	11.1	96.8	107.8	484
Trent	39A02	NEBMH062	206	2438	1514	3952	58.8	9.4	2.67	25.2	136.9	3.3	165.3								
Trent	39A03	NEBMH059	206	532	117	649	12.4	1.5	3.13	4.8	28.9	0.7	34.4								
Subtotal (Section NETB-2)						4602	71.2	11.0	3.00	30.0	165.7	4.0	199.7	111.8	6186	14.7	3.16	46.6	266.5	313.1	1,708
Trent	39C03	NEBMH054	206	1984	171	2155	39.7	5.1	2.85	14.6	74.5	1.0	90.2								
Subtotal (Section NETB-3)						2155	39.7	5.1	2.85	14.6	74.5	1.0	90.2	151.5	8341	19.9	3.03	60.3	342.1	402.4	2,305
Trent	39B01	NEBMH050	206	5756	424	6180	102.7	14.7	2.53	37.2	283.9	19.4	340.6								
Trent	39B02	NEBMH050	206	1826	120	1946	47.2	4.6	2.88	13.3	130.5	8.9	152.7								
Trent	39C02	NEBMH049	206	1019	0	1019	20.4	2.4	3.04	7.4	38.3	0.5	46.2								
Trent	39C04	NEBMH041	206	420	518	938	12.5	2.2	3.05	6.8	23.5	0.3	30.6								
Subtotal (Section NETB-4)						10083	182.8	24.0	64.8	476.2	29.2	570.1	334.3	18424	43.9	2.69	118.1	847.4	965.5	5,091	
Trent	39C01	NEBMH035	206	5856	889	6745	93.5	16.1	2.50	40.2	175.6	2.4	218.2								
Broom	30A02	NEBMH033	206	2382	383	2765	145.5	6.6	2.78	18.3	127.3	8.5	154.0								
Broom	30B01	NEBMH032	206	392	0	392	11.5	0.9	3.22	3.0	6.3	0.7	10.0								
Broom	30B02	NEBMH030	206	322	49	371	6.4	0.9	3.23	2.9	3.5	0.4	6.7								
Subtotal (Section NETB-5)						10273	256.9	24.5	64.4	312.6	11.9	388.9	591.2	28697	68.4	2.50	170.8	1171.9	1342.7	8,203	
Broom	30B03	NEBMH028	206	691	421	1112	20.8	2.7	3.02	8.0	11.3	1.2	20.6								
Broom	30B04	NEBMH027	206	0	515	515	5.5	1.2	3.17	3.9	3.0	0.3	7.2								
Broom	30B05	NEBMH026	206	227	116	343	8.5	0.8	3.24	2.7	4.6	0.5	7.8								
Broom	30B06	NEBMH026	206	239	4	243	4.1	0.6	3.29	1.9	2.2	0.2	4.4								
Broom	30B07	NEBMH025	206	83	0	83	2.4	0.2	3.41	0.7	1.3	0.1	2.1								
Subtotal (Section NETB-6)						2297	41.3	5.5	17.1	22.5	2.4	42.1	632.5	30994	73.9	2.46	182.0	1196.9	1378.9	8,838	
Broom	30B09	NEBMH024	206	2273	283	2556	65.2	6.1	2.80	17.1	35.6	3.8	56.4								
Broom	30B08	NEBMH022	206	128	0	128	4.2	0.3	3.37	1.0	2.3	0.2	3.6								
Broom	30B10	NEBMH020	206	43	9	52	3.5	0.1	3.45	0.4	1.9	0.2	2.5								
Broom	30B11	NEBMH020	206	69	0	69	2.1	0.2	3.43	0.6	1.1	0.1	1.8								
Windsor	31A	NEBMH017	206	121	0	121	4.6	0.5	3.38	1.0	2.5	0.3	3.7								
Subtotal (Section NETB-7)						2925	79.6	7.0	20.1	43.4	4.6	68.1	712.1	33920	80.9	2.43	196.1	1244.9	1441.1	9,748	
Esplanade	29	NEBMH014	206	353	66	419	15.4	1.0	3.21	3.2	13.5	0.9	17.6								
Subtotal (Section NETB-8)						419	15.4	1.0	3.21	3.2	13.5	0.9	17.6	727.5	34338	81.9	2.42	198.1	1259.3	1457.4	9,894
Windsor	31B	NEBMH003	206	1689	216	1905	57.2	4.5	2.88	13.1	31.2	3.3	47.6								
Currie	32	NEBMH001	206	4972	277	5249	202.7	12.5	2.58	32.3	470.7	19.8	522.7								
Subtotal (Section NETB-9)						7153	259.9	17.1	45.4	501.9	23.1	570.4	987.4	41491	98.9	2.34	231.6	1784.3	2015.9	12,374	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	206	28282	11353	39635	1069.2	94.5	2.36	223.0	272.7	39.5	535.3								
Subtotal (Section ECI-1)						39635	1069.2	94.5	2.36	223.0	272.7	39.5	535.3	1069.2	39635	94.5	2.36	223.0	312.3	535.3	12,309
Penryn	24	Penryn	206	3267	5446	8713	280.8	20.8	2.41	50.1	55.4	6.1	111.6								
Broom	30A01	Penryn	206	197	5374	5571	68.4	13.3	2.56	34.0	59.8	4.0	97.8								
Subtotal (Section ECI-2)						14284	349.2	34.1	4.97	84.1	115.3	10.0	209.4	1418.4	53919	128.6	2.23	287.2	437.6	724.8	16,605
Humber	25	Humber	206	414	138	552	56.2	1.3	3.16	4.2	90.0	4.6	98.7								
Subtotal (Section ECI-3)						552	56.2	1.3	3.16	4.2	90.0	4.6	98.7	1474.6	54471	129.9	2.23	289.6	532.1	821.8	16,936
Rutland	26	Rutland	206	757	0	757	78.4	1.8	3.10	5.6	90.0	1.9	97.5								
Subtotal (Section ECI-4)						757	78.4	1.8	3.10	5.6	90.0	1.9	97.5	1553.0	55227	131.7	2.22	292.9	624.0	917.0	17,396
Estevan	27	ECIMH029	206	1626	105	1731	72.7	4.1	2.91	12.0	71.6	3.2	86.8								
Dalhousie	28	ECIMH029	206	785	0	785	29.4	1.9	3.09	5.8	28.9	1.3	36.0								
Subtotal (Section ECI-5)						2516	102.1	6.0	17.8	100.5	4.5	122.8	1655.1	57743	137.7	2.21	303.8	729.0	1032.9	18,310	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	99234	236.6	2.00	473.9	2513.3	2987.2	30,685

Richmond	34	ECIMH005	206	9115	1734	10849	227.6	25.9	2.34	60.4	546.0	15.1	621.5								
Subtotal (Section ECI-7)						10849	227.6	25.9	2.34	60.4	546.0	15.1	621.5	2870.1	110084	262.5	1.97	516.0	3074.4	3590.4	33,802
Hartley/Hollywood	35	ECIMH001	206	383	0	383	67.5	0.9	3.22	2.9	161.9	4.5	169.3								
Subtotal (Section NETC-1)						383	67.5	0.9	3.22	2.9	161.9	4.5	169.3	2937.6	110467	263.4	1.96	517.5	3240.8	3758.3	34,142
Bushby	37	NECMH010	206	1277	7	1284	45.1	3.1	2.98	9.1	76.6	5.1	90.9								
Subtotal (Section NETC-2)						1284	45.1	3.1	2.98	9.1	76.6	5.1	90.9	2982.7	111751	266.4	1.96	522.4	3322.6	3845.0	34,582
Clover	38	NECMH003	206	44593	35668	80261	846.6	191.4	1.66	318.5	1438.8	96.2	1853.5								
Subtotal (Section NETC-3)						80261	846.6	191.4	1.66	318.5	1438.8	96.2	1853.5	3829.3	192012	457.8	1.78	816.7	4857.6	5674.3	54,397

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	206	1584	0	1584	40.6	3.8	2.93	11.1	114.3	2.3	127.6								
Subtotal (Section NETB-1)						1584	40.6	3.8	2.93	11.1	114.3	2.3	127.6	40.6	1584	3.8	2.93	11.1	116.5	127.6	484
Trent	39A02	NEBMH062	206	2438	1514	3952	58.8	9.4	2.67	25.2	165.5	3.3	193.9								
Trent	39A03	NEBMH059	206	532	117	649	12.4	1.5	3.13	4.8	34.9	0.7	40.4								
Subtotal (Section NETB-2)						4602	71.2	11.0	3.00	30.0	200.4	4.0	234.3	111.8	6186	14.7	3.16	46.6	320.9	367.4	1,708
Trent	39C03	NEBMH054	206	1984	171	2155	39.7	5.1	2.85	14.6	86.3	1.0	102.0								
Subtotal (Section NETB-3)						2155	39.7	5.1	2.85	14.6	86.3	1.0	102.0	151.5	8341	19.9	3.03	60.3	408.2	468.5	2,305
Trent	39B01	NEBMH050	206	5756	424	6180	102.7	14.7	2.53	37.2	318.5	19.4	375.2								
Trent	39B02	NEBMH050	206	1826	120	1946	47.2	4.6	2.88	13.3	146.4	8.9	168.7								
Trent	39C02	NEBMH049	206	1019	0	1019	20.4	2.4	3.04	7.4	44.3	0.5	52.2								
Trent	39C04	NEBMH041	206	420	518	938	12.5	2.2	3.05	6.8	27.2	0.3	34.3								
Subtotal (Section NETB-4)						10083	182.8	24.0	64.8	536.4	29.2	630.4	334.3	18424	43.9	2.69	118.1	973.8	1091.9	5,091	
Trent	39C01	NEBMH035	206	5856	889	6745	93.5	16.1	2.50	40.2	203.2	2.4	245.8								
Broom	30A02	NEBMH033	206	2382	383	2765	145.5	6.6	2.78	18.3	152.9	8.5	179.6								
Broom	30B01	NEBMH032	206	392	0	392	11.5	0.9	3.22	3.0	6.9	0.7	10.6								
Broom	30B02	NEBMH030	206	322	49	371	6.4	0.9	3.23	2.9	3.8	0.4	7.1								
Subtotal (Section NETB-5)						10273	256.9	24.5	64.4	366.9	11.9	443.1	591.2	28697	68.4	2.50	170.8	1352.6	1523.4	8,203	
Broom	30B03	NEBMH028	206	691	421	1112	20.8	2.7	3.02	8.0	12.5	1.2	21.7								
Broom	30B04	NEBMH027	206	0	515	515	5.5	1.2	3.17	3.9	3.3	0.3	7.5								
Broom	30B05	NEBMH026	206	227	116	343	8.5	0.8	3.24	2.7	5.1	0.5	8.3								
Broom	30B06	NEBMH026	206	239	4	243	4.1	0.6	3.29	1.9	2.5	0.2	4.6								
Broom	30B07	NEBMH025	206	83	0	83	2.4	0.2	3.41	0.7	1.4	0.1	2.3								
Subtotal (Section NETB-6)						2297	41.3	5.5	17.1	24.8	2.4	44.4	632.5	30994	73.9	2.46	182.0	1379.8	1561.9	8,838	
Broom	30B09	NEBMH024	206	2273	283	2556	65.2	6.1	2.80	17.1	39.2	3.8	60.1								
Broom	30B08	NEBMH022	206	128	0	128	4.2	0.3	3.37	1.0	2.5	0.2	3.8								
Broom	30B10	NEBMH020	206	43	9	52	3.5	0.1	3.45	0.4	2.1	0.2	2.7								
Broom	30B11	NEBMH020	206	69	0	69	2.1	0.2	3.43	0.6	1.3	0.1	1.9								
Windsor	31A	NEBMH017	206	121	0	121	4.6	0.5	3.38	1.0	2.9	0.3	4.0								
Subtotal (Section NETB-7)						2925	79.6	7.0	20.1	47.9	4.6	72.5	712.1	33920	80.9	2.43	196.1	1432.3	1628.4	9,748	
Esplanade	29	NEBMH014	206	353	66	419	15.4	1.0	3.21	3.2	16.2	0.9	20.3								
Subtotal (Section NETB-8)						419	15.4	1.0	3.21	3.2	16.2	0.9	20.3	727.5	34338	81.9	2.42	198.1	1449.4	1647.5	9,894
Windsor	31B	NEBMH003	206	1689	216	1905	57.2	4.5	2.88	13.1	34.4	3.3	50.8								
Currie	32	NEBMH001	206	4972	277	5249	202.7	12.5	2.58	32.3	543.9	19.8	596.0								
Subtotal (Section NETB-9)						7153	259.9	17.1	45.4	578.3	23.1	646.8	987.4	41491	98.9	2.34	231.6	2050.8	2282.4	12,374	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	206	28282	11353	39635	1069.2	94.5	2.36	223.0	321.2	39.5	583.8								
Subtotal (Section ECI-1)						39635	1069.2	94.5	2.36	223.0	321.2	39.5	583.8	1069.2	39635	94.5	2.36	223.0	360.8	583.8	12,309
Penryhn	24	Penryhn	206	3267	5446	8713	280.8	20.8	2.41	50.1	68.1	6.1	124.2								
Broom	30A01	Penryhn	206	197	5374	5571	68.4	13.3	2.56	34.0	71.9	4.0	109.9								
Subtotal (Section ECI-2)						14284	349.2	34.1	4.97	84.1	140.0	10.0	234.1	1418.4	53919	128.6	2.23	287.2	510.7	798.0	16,605
Humber	25	Humber	206	414	138	552	56.2	1.3	3.16	4.2	90.0	4.6	98.7								
Subtotal (Section ECI-3)						552	56.2	1.3	3.16	4.2	90.0	4.6	98.7	1474.6	54471	129.9	2.23	289.6	605.3	895.0	16,936
Rutland	26	Rutland	206	757	0	757	78.4	1.8	3.10	5.6	90.0	1.9	97.5								
Subtotal (Section ECI-4)						757	78.4	1.8	3.10	5.6	90.0	1.9	97.5	1553.0	55227	131.7	2.22	292.9	697.2	990.2	17,396
Estevan	27	ECIMH029	206	1626	105	1731	72.7	4.1	2.91	12.0	78.6	3.2	93.8								
Dalhousie	28	ECIMH029	206	785	0	785	29.4	1.9	3.09	5.8	31.8	1.3	38.9								
Subtotal (Section ECI-5)						2516	102.1	6.0	17.8	110.4	4.5	132.6	1655.1	57743	137.7	2.21	303.8	812.1	1115.9	18,310	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	99234	236.6	2.00	473.9	2862.9	3336.7	30,685

Richmond	34	ECIMH005	206	9115	1734	10849	227.6	25.9	2.34	60.4	631.8	15.1	707.3								
Subtotal (Section ECI-7)						10849	227.6	25.9	2.34	60.4	631.8	15.1	707.3	2870.1	110084	262.5	1.97	516.0	3509.7	4025.7	33,802
Hartley/Hollywood	35	ECIMH001	206	383	0	383	67.5	0.9	3.22	2.9	187.4	4.5	194.8								
Subtotal (Section NETC-1)						383	67.5	0.9	3.22	2.9	187.4	4.5	194.8	2937.6	110467	263.4	1.96	517.5	3701.5	4219.0	34,142
Bushby	37	NECMH010	206	1277	7	1284	45.1	3.1	2.98	9.1	87.1	5.1	101.3								
Subtotal (Section NETC-2)						1284	45.1	3.1	2.98	9.1	87.1	5.1	101.3	2982.7	111751	266.4	1.96	522.4	3793.7	4316.2	34,582
Clover	38	NECMH003	206	44593	35668	80261	846.6	191.4	1.66	318.5	1634.4	96.2	2049.1								
Subtotal (Section NETC-3)						80261	846.6	191.4	1.66	318.5	1634.4	96.2	2049.1	3829.3	192012	457.8	1.78	816.7	5524.4	6341.1	54,397

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Trent	39A01	NEBMH066	206	1584	0	1584	40.6	3.8	2.93	11.1	143.6	2.3	156.9									
Subtotal (Section NETB-1)						1584	40.6	3.8	2.93	11.1	143.6	2.3	156.9	40.6	1584	3.8	2.93	11.1	145.8	156.9	484	
Trent	39A02	NEBMH062	206	2438	1514	3952	58.8	9.4	2.67	25.2	207.9	3.3	236.4									
Trent	39A03	NEBMH059	206	532	117	649	12.4	1.5	3.13	4.8	43.8	0.7	49.4									
Subtotal (Section NETB-2)						4602	71.2	11.0		30.0	251.8	4.0	285.8	111.8	6186	14.7	3.16	46.6	401.6	448.2	1,708	
Trent	39C03	NEBMH054	206	1984	171	2155	39.7	5.1	2.85	14.6	103.7	1.0	119.4									
Subtotal (Section NETB-3)						2155	39.7	5.1		14.6	103.7	1.0	119.4	151.5	8341	19.9	3.03	60.3	506.3	566.6	2,305	
Trent	39B01	NEBMH050	206	5756	424	6180	102.7	14.7	2.53	37.2	369.6	19.4	426.2									
Trent	39B02	NEBMH050	206	1826	120	1946	47.2	4.6	2.88	13.3	169.9	8.9	192.1									
Trent	39C02	NEBMH049	206	1019	0	1019	20.4	2.4	3.04	7.4	63.3	0.5	61.2									
Trent	39C04	NEBMH041	206	420	518	938	12.5	2.2	3.05	6.8	32.7	0.3	39.8									
Subtotal (Section NETB-4)						10083	182.8	24.0		64.8	625.4	29.2	719.4	334.3	18424	43.9	2.69	118.1	1160.9	1279.0	5,091	
Trent	39C01	NEBMH035	206	5856	889	6745	93.5	16.1	2.50	40.2	244.3	2.4	286.9									
Broom	30A02	NEBMH033	206	2382	383	2765	145.5	6.6	2.78	18.3	190.9	8.5	217.6									
Broom	30B01	NEBMH032	206	392	0	392	11.5	0.9	3.22	3.0	7.9	0.7	11.5									
Broom	30B02	NEBMH030	206	322	49	371	6.4	0.9	3.23	2.9	4.4	0.4	7.6									
Subtotal (Section NETB-5)						10273	256.9	24.5		64.4	447.4	11.9	523.7	591.2	28697	68.4	2.50	170.8	1620.3	1791.1	8,203	
Broom	30B03	NEBMH028	206	691	421	1112	20.8	2.7	3.02	8.0	14.2	1.2	23.4									
Broom	30B04	NEBMH027	206	0	515	515	5.5	1.2	3.17	3.9	3.8	0.3	8.0									
Broom	30B05	NEBMH026	206	227	116	343	8.5	0.8	3.24	2.7	5.8	0.5	9.0									
Broom	30B06	NEBMH026	206	239	4	243	4.1	0.6	3.29	1.9	2.8	0.2	4.9									
Broom	30B07	NEBMH025	206	83	0	83	2.4	0.2	3.41	0.7	1.6	0.1	2.5									
Subtotal (Section NETB-6)						2297	41.3	5.5		17.1	28.2	2.4	47.8	632.5	30994	73.9	2.46	182.0	1650.9	1832.9	8,838	
Broom	30B09	NEBMH024	206	2273	283	2556	65.2	6.1	2.80	17.1	44.6	3.8	65.4									
Broom	30B08	NEBMH022	206	128	0	128	4.2	0.3	3.37	1.0	2.9	0.2	4.1									
Broom	30B10	NEBMH020	206	43	9	52	3.5	0.1	3.45	0.4	2.4	0.2	3.0									
Broom	30B11	NEBMH020	206	69	0	69	2.1	0.2	3.43	0.6	1.4	0.1	2.1									
Windsor	31A	NEBMH017	206	121	0	121	4.6	0.3	3.38	1.0	3.1	0.3	4.4									
Subtotal (Section NETB-7)						2925	79.6	7.0		20.1	54.4	4.6	79.1	712.1	33920	80.9	2.43	196.1	1709.9	1906.1	9,748	
Esplanade	29	NEBMH014	206	353	66	419	15.4	1.0	3.21	3.2	20.2	0.9	24.3									
Subtotal (Section NETB-8)						419	15.4	1.0		3.21	3.2	20.2	0.9	24.3	727.5	34338	81.9	2.42	198.1	1731.0	1929.2	9,894
Windsor	31B	NEBMH003	206	1689	216	1905	57.2	4.5	2.88	13.1	39.1	3.3	55.5									
Currie	32	NEBMH001	206	4972	277	5249	202.7	12.5	2.58	32.3	652.1	19.8	704.2									
Subtotal (Section NETB-9)						7153	259.9	17.1		45.4	691.2	23.1	759.7	987.4	41491	98.9	2.34	231.6	2445.4	2676.9	12,374	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	206	28282	11353	39635	1069.2	94.5	2.36	223.0	392.9	39.5	655.4								
Subtotal (Section ECI-1)						39635	1069.2	94.5	2.36	223.0	392.9	39.5	655.4	1069.2	39635	94.5	2.36	223.0	432.4	655.4	12,309
Penryhn	24	Penryhn	206	3267	5446	8713	280.8	20.8	2.41	50.1	86.8	6.1	142.9								
Broom	30A01	Penryhn	206	197	5374	5571	68.4	13.3	2.56	34.0	89.7	4.0	127.7								
Subtotal (Section ECI-2)						14284	349.2	34.1	4.97	84.1	176.5	10.0	270.6	1418.4	53919	128.6	2.23	287.2	618.9	906.2	16,605
Humber	25	Humber	206	414	138	552	56.2	1.3	3.16	4.2	90.0	4.6	98.7								
Subtotal (Section ECI-3)						552	56.2	1.3	3.16	4.2	90.0	4.6	98.7	1474.6	54471	129.9	2.23	289.6	713.5	1003.1	16,936
Rutland	26	Rutland	206	757	0	757	78.4	1.8	3.10	5.6	90.0	1.9	97.5								
Subtotal (Section ECI-4)						757	78.4	1.8	3.10	5.6	90.0	1.9	97.5	1553.0	55227	131.7	2.22	292.9	805.4	1098.4	17,396
Estevan	27	ECIMH029	206	1626	105	1731	72.7	4.1	2.91	12.0	88.9	3.2	104.1								
Dalhousie	28	ECIMH029	206	785	0	785	29.4	1.9	3.09	5.8	36.0	1.3	43.0								
Subtotal (Section ECI-5)						2516	102.1	6.0		17.8	124.9	4.5	147.1	1655.1	57743	137.7	2.21	303.8	934.8	1238.6	18,310
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	99234	236.6	2.00	473.9	3380.1	3854.0	30,685

Richmond	34	ECIMH005	206	9115	1734	10849	227.6	25.9	2.34	60.4	758.3	15.1	833.8								
Subtotal (Section ECI-7)						10849	227.6	25.9	2.34	60.4	758.3	15.1	833.8	2870.1	110084	262.5	1.97	516.0	4153.5	4669.5	33,802
Hartley/Hollywood	35	ECIMH001	206	383	0	383	67.5	0.9	3.22	2.9	224.9	4.5	232.3								
Subtotal (Section NETC-1)						383	67.5	0.9	3.22	2.9	224.9	4.5	232.3	2937.6	110467	263.4	1.96	517.5	4382.9	4900.4	34,142
Bushby	37	NECMH010	206	1277	7	1284	45.1	3.1	2.98	9.1	102.5	5.1	116.7								
Subtotal (Section NETC-2)						1284	45.1	3.1	2.98	9.1	102.5	5.1	116.7	2982.7	111751	266.4	1.96	522.4	4490.5	5012.9	34,582
Clover	38	NECMH003	206	44593	35668	80261	846.6	191.4	1.66	318.5	1923.3	96.2	2338.1								
Subtotal (Section NETC-3)						80261	846.6	191.4	1.66	318.5	1923.3	96.2	2338.1	3829.3	192012	457.8	1.78	816.7	6510.0	7326.8	54,397

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	195	1731	0	1731	40.6	3.9	2.91	11.4	55.2	2.3	68.8								
Subtotal (Section NETB-1)						1731	40.6	3.9	2.91	11.4	55.2	2.3	68.8	40.6	1731	3.9	2.91	11.4	57.5	68.8	495
Trent	39A02	NEBMH062	195	2660	1623	4283	58.8	9.7	2.65	25.6	80.0	3.3	108.8								
Trent	39A03	NEBMH059	195	581	124	705	12.4	1.6	3.11	5.0	16.9	0.7	22.5								
Subtotal (Section NETB-2)						4989	71.2	11.3	30.5	96.8	4.0	131.3	111.8	6720	15.2	3.12	47.4	158.3	205.7	1,744	
Trent	39C03	NEBMH054	195	2176	189	2365	39.7	5.3	2.82	15.1	51.2	1.0	67.3								
Subtotal (Section NETB-3)						2365	39.7	5.3	2.82	15.1	51.2	1.0	67.3	151.5	9085	20.5	3.00	61.4	210.5	271.9	2,359
Trent	39B01	NEBMH050	195	6282	448	6730	102.7	15.2	2.50	38.0	215.3	19.4	272.6								
Trent	39B02	NEBMH050	195	1992	126	2120	47.2	4.8	2.85	13.6	98.9	8.9	121.5								
Trent	39C02	NEBMH049	195	1113	0	1113	20.4	2.5	3.02	7.6	26.3	0.5	34.4								
Trent	39C04	NEBMH041	195	360	574	934	12.5	2.1	3.06	6.4	16.1	0.3	22.9								
Subtotal (Section NETB-4)						10898	182.8	24.6	65.6	356.6	29.2	451.4	334.3	19983	45.1	2.65	119.6	596.3	715.9	5,192	
Trent	39C01	NEBMH035	195	6390	940	7330	93.5	16.5	2.47	40.9	120.5	2.4	163.8								
Broom	30A02	NEBMH033	195	2414	392	2806	145.5	6.3	2.77	17.6	76.3	8.5	102.3								
Broom	30B01	NEBMH032	195	329	0	329	11.5	0.7	3.25	2.4	5.0	0.7	8.1								
Broom	30B02	NEBMH030	195	327	49	376	6.4	0.8	3.23	2.7	2.8	0.4	5.9								
Subtotal (Section NETB-5)						10841	256.9	24.5	63.6	204.7	11.9	280.2	591.2	30824	69.6	2.47	171.5	812.9	984.4	8,302	
Broom	30B03	NEBMH028	195	745	442	1187	20.8	2.7	3.00	8.0	9.1	1.2	18.3								
Broom	30B04	NEBMH027	195	0	528	528	5.5	1.2	3.17	3.8	2.4	0.3	6.5								
Broom	30B05	NEBMH026	195	231	118	349	8.5	0.8	3.24	2.5	3.7	0.5	6.8								
Broom	30B06	NEBMH026	195	242	4	246	4.1	0.6	3.29	1.8	1.8	0.2	3.9								
Broom	30B07	NEBMH025	195	84	0	84	2.4	0.2	3.41	0.6	1.0	0.1	1.8								
Subtotal (Section NETB-6)						2394	41.3	5.4	16.8	18.1	2.4	37.3	632.5	33218	75.0	2.43	182.5	833.3	1015.8	8,929	
Broom	30B09	NEBMH024	195	2303	290	2593	65.2	5.9	2.80	16.4	28.5	3.8	48.7								
Broom	30B08	NEBMH022	195	130	0	130	4.2	0.3	3.37	1.0	1.8	0.2	3.1								
Broom	30B10	NEBMH020	195	44	9	53	3.5	0.1	3.45	0.4	1.5	0.2	2.1								
Broom	30B11	NEBMH020	195	69	0	69	2.1	0.2	3.43	0.5	0.9	0.1	1.6								
Windsor	31A	NEBMH017	195	122	0	122	4.6	0.5	3.38	0.9	2.0	0.3	3.2								
Subtotal (Section NETB-7)						2967	79.6	6.7	19.2	34.8	4.6	58.6	712.1	36185	81.7	2.40	195.8	872.8	1068.6	9,816	
Esplanade	29	NEBMH014	195	358	68	426	15.4	1.0	3.21	3.1	8.1	0.9	12.1								
Subtotal (Section NETB-8)						426	15.4	1.0	3.21	3.1	8.1	0.9	12.1	727.5	36611	82.6	2.39	197.7	881.7	1079.5	9,959
Windsor	31B	NEBMH003	195	1711	221	1932	57.2	4.4	2.88	12.5	25.0	3.3	40.9								
Currie	32	NEBMH001	195	5037	284	5321	202.7	12.0	2.58	30.9	325.2	19.8	375.8								
Subtotal (Section NETB-9)						7253	259.9	16.4	43.5	350.2	23.1	416.7	987.4	43864	99.0	2.32	229.5	1255.0	1484.4	12,381	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	195	30712	17617	48329	1069.2	109.1	2.28	248.5	176.4	39.5	464.4								
Subtotal (Section ECI-1)						48329	1069.2	109.1	2.28	248.5	176.4	39.5	464.4	1069.2	48329	109.1	2.28	248.5	215.9	464.4	13,568
Penryn	24	Penryn	195	2801	5483	8284	280.8	18.7	2.43	45.4	30.3	6.1	81.8								
Broom	30A01	Penryn	195	200	5374	5574	68.4	12.6	2.56	32.2	35.9	4.0	72.1								
Subtotal (Section ECI-2)						13858	349.2	31.3	4.99	77.6	66.2	10.0	153.8	1418.4	62187	140.4	2.18	305.7	292.1	597.8	17,624
Humber	25	Humber	195	419	141	560	56.2	1.3	3.16	4.0	90.0	4.6	98.6								
Subtotal (Section ECI-3)						560	56.2	1.3	3.16	4.0	90.0	4.6	98.6	1474.6	62747	141.6	2.17	307.9	386.7	694.6	17,951
Rutland	26	Rutland	195	766	0	766	78.4	1.7	3.10	5.4	90.0	1.9	97.3								
Subtotal (Section ECI-4)						766	78.4	1.7	3.10	5.4	90.0	1.9	97.3	1553.0	63513	143.3	2.17	311.0	478.6	789.6	18,404
Estevan	27	ECIMH029	195	1647	108	1755	72.7	4.0	2.90	11.5	57.7	3.2	72.4								
Dalhousie	28	ECIMH029	195	795	0	795	29.4	1.8	3.09	5.5	23.3	1.3	30.2								
Subtotal (Section ECI-5)						2551	102.1	5.8	17.0	81.0	4.5	102.5	1655.1	66064	149.1	2.15	321.2	564.1	885.3	19,298	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	109928	248.1	1.97	487.9	1819.1	2307.0	31,678
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Richmond	34	ECIMH005	195	9913	1829	11742	227.6	26.5	2.31	61.2	375.9	15.1	452.1								
Subtotal (Section ECI-7)						11742	227.6	26.5	2.31	61.2	375.9	15.1	452.1	2870.1	121670	274.6	1.93	530.4	2210.0	2740.4	34,850
Haring/Hollywood	35	ECIMH001	195	388	0	388	67.5	0.9	3.22	2.8	111.5	4.5	118.8								
Subtotal (Section NETC-1)						388	67.5	0.9	3.22	2.8	111.5	4.5	118.8	2937.6	122058	275.5	1.93	531.8	2325.9	2857.7	35,187
Bushby	37	NECMH010	195	1393	8	1401	45.1	3.2	2.96	9.4	55.9	5.1	70.4								
Subtotal (Section NETC-2)						1401	45.1	3.2	2.96	9.4	55.9	5.1	70.4	2982.7	123459	278.6	1.93	536.8	2387.0	2923.8	35,635
Clover	38	NECMH003	195	48664	37715	86379	846.6	195.0	1.64	320.2	1050.1	96.2	1466.6								
Subtotal (Section NETC-3)						86379	846.6	195.0	1.64	320.2	1050.1	96.2	1466.6	3829.3	209838	473.6	1.76	832.3	3533.3	4365.6	55,761

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)	
Trent	39A01	NEBMH066	195	1731	0	1731	40.6	3.9	2.91	11.4	78.8	2.3	92.5									
Subtotal (Section NETB-1)						1731	40.6	3.9	2.91	11.4	78.8	2.3	92.5	40.6	1731	3.9	2.91	11.4	81.1	92.5	495	
Trent	39A02	NEBMH062	195	2660	1623	4283	58.8	9.7	2.65	25.6	114.2	3.3	143.0									
Trent	39A03	NEBMH059	195	581	124	705	12.4	1.6	3.11	5.0	24.1	0.7	29.7									
Subtotal (Section NETB-2)						4989	71.2	11.3	30.5	138.2	4.0	172.7	111.8	6720	15.2	3.12	47.4	223.3	270.7	1,744		
Trent	39C03	NEBMH054	195	2176	189	2365	39.7	5.3	2.82	15.1	65.2	1.0	81.3									
Subtotal (Section NETB-3)						2365	39.7	5.3	2.82	15.1	65.2	1.0	81.3	151.5	9085	20.5	3.00	61.4	289.6	351.0	2,359	
Trent	39B01	NEBMH050	195	6282	448	6730	102.7	15.2	2.50	38.0	256.7	19.4	314.0									
Trent	39B02	NEBMH050	195	1992	126	2120	47.2	4.8	2.85	13.6	118.0	8.9	140.5									
Trent	39C02	NEBMH049	195	1113	0	1113	20.4	2.5	3.02	7.6	33.5	0.5	41.6									
Trent	39C04	NEBMH041	195	360	574	934	12.5	2.1	3.06	6.4	20.5	0.3	27.3									
Subtotal (Section NETB-4)						10898	182.8	24.6	65.6	428.7	29.2	523.5	334.3	19983	45.1	2.65	119.6	747.5	867.1	5,192		
Trent	39C01	NEBMH035	195	6390	940	7330	93.5	16.5	2.47	40.9	153.6	2.4	196.9									
Broom	30A02	NEBMH033	195	2414	392	2806	145.5	6.3	2.77	17.6	106.9	8.5	133.0									
Broom	30B01	NEBMH032	195	329	0	329	11.5	0.7	3.25	2.4	5.8	0.7	8.9									
Broom	30B02	NEBMH030	195	327	49	376	6.4	0.8	3.23	2.7	3.2	0.4	6.3									
Subtotal (Section NETB-5)						10841	256.9	24.5	63.6	269.6	11.9	345.1	591.2	30824	69.6	2.47	171.5	1028.9	1200.5	8,302		
Broom	30B03	NEBMH028	195	745	442	1187	20.8	2.7	3.00	8.0	10.5	1.2	19.7									
Broom	30B04	NEBMH027	195	0	528	528	5.5	1.2	3.17	3.8	2.8	0.3	6.9									
Broom	30B05	NEBMH026	195	231	118	349	8.5	0.8	3.24	2.5	4.3	0.5	7.3									
Broom	30B06	NEBMH026	195	242	4	246	4.1	0.6	3.29	1.8	2.1	0.2	4.1									
Broom	30B07	NEBMH025	195	84	0	84	2.4	0.2	3.41	0.6	1.2	0.1	2.0									
Subtotal (Section NETB-6)						2394	41.3	5.4	16.8	20.8	2.4	40.0	632.5	33218	75.0	2.43	182.5	1052.1	1234.6	8,929		
Broom	30B09	NEBMH024	195	2303	290	2593	65.2	5.9	2.80	16.4	32.8	3.8	53.0									
Broom	30B08	NEBMH022	195	130	0	130	4.2	0.3	3.37	1.0	2.1	0.2	3.3									
Broom	30B10	NEBMH020	195	44	9	53	3.5	0.1	3.45	0.4	1.8	0.2	2.4									
Broom	30B11	NEBMH020	195	69	0	69	2.1	0.2	3.43	0.5	1.1	0.1	1.7									
Windsor	31A	NEBMH017	195	122	0	122	4.6	0.3	3.38	0.9	2.3	0.3	3.5									
Subtotal (Section NETB-7)						2967	79.6	6.7	19.2	40.1	4.6	63.9	712.1	36185	81.7	2.40	195.8	1096.8	1292.7	9,816		
Esplanade	29	NEBMH014	195	358	68	426	15.4	1.0	3.21	3.1	11.3	0.9	15.3									
Subtotal (Section NETB-8)						426	15.4	1.0	3.21	3.1	11.3	0.9	15.3	727.5	36611	82.6	2.39	197.7	1109.1	1306.8	9,959	
Windsor	31B	NEBMH003	195	1711	221	1932	57.2	4.4	2.88	12.5	28.8	3.3	44.7									
Currie	32	NEBMH001	195	5037	284	5321	202.7	12.0	2.58	30.9	412.8	19.8	463.5									
Subtotal (Section NETB-9)						7253	259.9	16.4	43.5	441.6	23.1	508.1	987.4	43864	99.0	2.32	229.5	1573.7	1803.2	12,381		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	195	30712	17617	48329	1069.2	109.1	2.28	248.5	234.4	39.5	522.4								
Subtotal (Section ECI-1)						48329	1069.2	109.1	2.28	248.5	234.4	39.5	522.4	1069.2	48329	109.1	2.28	248.5	273.9	522.4	13,568
Penryhn	24	Penryhn	195	2801	5483	8284	280.8	18.7	2.43	45.4	45.4	6.1	96.9								
Broom	30A01	Penryhn	195	200	5374	5574	68.4	12.6	2.56	32.2	50.3	4.0	86.5								
Subtotal (Section ECI-2)						13858	349.2	31.3	4.99	77.6	95.7	10.0	183.4	1418.4	62187	140.4	2.18	305.7	379.7	685.3	17,624
Humber	25	Humber	195	419	141	560	56.2	1.3	3.16	4.0	90.0	4.6	98.6								
Subtotal (Section ECI-3)						560	56.2	1.3	3.16	4.0	90.0	4.6	98.6	1474.6	62747	141.6	2.17	307.9	474.2	782.2	17,951
Rutland	26	Rutland	195	766	0	766	78.4	1.7	3.10	5.4	90.0	1.9	97.3								
Subtotal (Section ECI-4)						766	78.4	1.7	3.10	5.4	90.0	1.9	97.3	1553.0	63513	143.3	2.17	311.0	566.1	877.1	18,404
Estevan	27	ECIMH029	195	1647	108	1755	72.7	4.0	2.90	11.5	66.1	3.2	80.7								
Dalhousie	28	ECIMH029	195	795	0	795	29.4	1.8	3.09	5.5	26.7	1.3	33.5								
Subtotal (Section ECI-5)						2551	102.1	5.8	17.0	92.8	4.5	114.3	1655.1	66064	149.1	2.15	321.2	663.4	984.6	19,298	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	109928	248.1	1.97	487.9	2237.1	2725.0	31,678

Richmond	34	ECIMH005	195	9913	1829	11742	227.6	26.5	2.31	61.2	478.5	15.1	554.7								
Subtotal (Section ECI-7)						11742	227.6	26.5	2.31	61.2	478.5	15.1	554.7	2870.1	121670	274.6	1.93	530.4	2730.7	3261.0	34,850
Harting/Hollywood	35	ECIMH001	195	388	0	388	67.5	0.9	3.22	2.8	141.9	4.5	149.2								
Subtotal (Section NETC-1)						388	67.5	0.9	3.22	2.8	141.9	4.5	149.2	2937.6	122058	275.5	1.93	531.8	2877.1	3408.8	35,187
Bushby	37	NECMH010	195	1393	8	1401	45.1	3.2	2.96	9.4	68.4	5.1	82.9								
Subtotal (Section NETC-2)						1401	45.1	3.2	2.96	9.4	68.4	5.1	82.9	2982.7	123459	278.6	1.93	536.8	2950.6	3487.4	35,635
Clover	38	NECMH003	195	48664	37715	86379	846.6	195.0	1.64	320.2	1284.1	96.2	1700.5								
Subtotal (Section NETC-3)						86379	846.6	195.0	1.64	320.2	1284.1	96.2	1700.5	3829.3	209838	473.6	1.76	832.3	4330.9	5163.2	55,761

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)	
Trent	39A01	NEBMH066	195	1731	0	1731	40.6	3.9	2.91	11.4	94.5	2.3	108.1									
Subtotal (Section NETB-1)						1731	40.6	3.9	2.91	11.4	94.5	2.3	108.1	40.6	1731	3.9	2.91	11.4	96.8	108.1	495	
Trent	39A02	NEBMH062	195	2660	1623	4283	58.8	9.7	2.65	25.6	136.9	3.3	165.7									
Trent	39A03	NEBMH059	195	581	124	705	12.4	1.6	3.11	5.0	28.9	0.7	34.5									
Subtotal (Section NETB-2)						4989	71.2	11.3	30.5	165.7	4.0	200.2	111.8	6720	15.2	3.12	47.4	266.5	313.8	1,744		
Trent	39C03	NEBMH054	195	2176	189	2365	39.7	5.3	2.82	15.1	74.5	1.0	90.6									
Subtotal (Section NETB-3)						2365	39.7	5.3	2.82	15.1	74.5	1.0	90.6	151.5	9085	20.5	3.00	61.4	342.1	403.5	2,359	
Trent	39B01	NEBMH050	195	6282	448	6730	102.7	15.2	2.50	38.0	283.9	19.4	341.3									
Trent	39B02	NEBMH050	195	1992	126	2120	47.2	4.8	2.85	13.6	130.5	8.9	153.1									
Trent	39C02	NEBMH049	195	1113	0	1113	20.4	2.5	3.02	7.6	38.3	0.5	46.4									
Trent	39C04	NEBMH041	195	360	574	934	12.5	2.1	3.06	6.4	23.5	0.3	30.2									
Subtotal (Section NETB-4)						10898	182.8	24.6	65.6	476.2	29.2	571.0	334.3	19983	45.1	2.65	119.6	847.4	967.1	5,192		
Trent	39C01	NEBMH035	195	6390	940	7330	93.5	16.5	2.47	40.9	175.6	2.4	218.9									
Broom	30A02	NEBMH033	195	2414	392	2806	145.5	6.3	2.77	17.6	127.3	8.5	153.3									
Broom	30B01	NEBMH032	195	329	0	329	11.5	0.7	3.25	2.4	6.3	0.7	9.4									
Broom	30B02	NEBMH030	195	327	49	376	6.4	0.8	3.23	2.7	3.5	0.4	6.6									
Subtotal (Section NETB-5)						10841	256.9	24.5	63.6	312.6	11.9	388.1	591.2	30824	69.6	2.47	171.5	1171.9	1343.5	8,302		
Broom	30B03	NEBMH028	195	745	442	1187	20.8	2.7	3.00	8.0	11.3	1.2	20.6									
Broom	30B04	NEBMH027	195	0	528	528	5.5	1.2	3.17	3.8	3.0	0.3	7.1									
Broom	30B05	NEBMH026	195	231	118	349	8.5	0.8	3.24	2.5	4.6	0.5	7.7									
Broom	30B06	NEBMH026	195	242	4	246	4.1	0.6	3.29	1.8	2.2	0.2	4.3									
Broom	30B07	NEBMH025	195	84	0	84	2.4	0.2	3.41	0.6	1.3	0.1	2.1									
Subtotal (Section NETB-6)						2394	41.3	5.4	16.8	22.5	2.4	41.8	632.5	33218	75.0	2.43	182.5	1196.9	1379.4	8,929		
Broom	30B09	NEBMH024	195	2303	290	2593	65.2	5.9	2.80	16.4	35.6	3.8	55.7									
Broom	30B08	NEBMH022	195	130	0	130	4.2	0.3	3.37	1.0	2.3	0.2	3.5									
Broom	30B10	NEBMH020	195	44	9	53	3.5	0.1	3.45	0.4	1.9	0.2	2.5									
Broom	30B11	NEBMH020	195	69	0	69	2.1	0.2	3.43	0.5	1.1	0.1	1.8									
Windsor	31A	NEBMH017	195	122	0	122	4.6	0.3	3.38	0.9	2.5	0.3	3.7									
Subtotal (Section NETB-7)						2967	79.6	6.7	19.2	43.4	4.6	67.3	712.1	36185	81.7	2.40	195.8	1244.9	1440.8	9,816		
Esplanade	29	NEBMH014	195	358	68	426	15.4	1.0	3.21	3.1	13.5	0.9	17.4									
Subtotal (Section NETB-8)						426	15.4	1.0	3.21	3.1	13.5	0.9	17.4	727.5	36611	82.6	2.39	197.7	1259.3	1457.0	9,959	
Windsor	31B	NEBMH003	195	1711	221	1932	57.2	4.4	2.88	12.5	31.2	3.3	47.1									
Currie	32	NEBMH001	195	5037	284	5321	202.7	12.0	2.58	30.9	470.7	19.8	521.4									
Subtotal (Section NETB-9)						7253	259.9	16.4	43.5	501.9	23.1	568.5	987.4	43864	99.0	2.32	229.5	1784.3	2013.8	12,381		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	195	30712	17617	48329	1069.2	109.1	2.28	248.5	272.7	39.5	560.8								
Subtotal (Section ECI-1)						48329	1069.2	109.1	2.28	248.5	272.7	39.5	560.8	1069.2	48329	109.1	2.28	248.5	312.3	560.8	13,568
Penryhn	24	Penryhn	195	2801	5483	8284	280.8	18.7	2.43	45.4	55.4	6.1	106.9								
Broom	30A01	Penryhn	195	200	5374	5574	68.4	12.6	2.56	32.2	59.8	4.0	96.0								
Subtotal (Section ECI-2)						13858	349.2	31.3	4.99	77.6	115.3	10.0	202.9	1418.4	62187	140.4	2.18	305.7	437.6	743.2	17,624
Humber	25	Humber	195	419	141	560	56.2	1.3	3.16	4.0	90.0	4.6	98.6								
Subtotal (Section ECI-3)						560	56.2	1.3	3.16	4.0	90.0	4.6	98.6	1474.6	62747	141.6	2.17	307.9	532.1	840.1	17,951
Rutland	26	Rutland	195	766	0	766	78.4	1.7	3.10	5.4	90.0	1.9	97.3								
Subtotal (Section ECI-4)						766	78.4	1.7	3.10	5.4	90.0	1.9	97.3	1553.0	63513	143.3	2.17	311.0	624.0	935.1	18,404
Estevan	27	ECIMH029	195	1647	108	1755	72.7	4.0	2.90	11.5	71.6	3.2	86.3								
Dalhousie	28	ECIMH029	195	795	0	795	29.4	1.8	3.09	5.5	28.9	1.3	35.8								
Subtotal (Section ECI-5)						2551	102.1	5.8	17.0	100.5	4.5	122.0	1655.1	66064	149.1	2.15	321.2	729.0	1050.3	19,298	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	109928	248.1	1.97	487.9	2513.3	3001.2	31,678

Richmond	34	ECIMH005	195	9913	1829	11742	227.6	26.5	2.31	61.2	546.0	15.1	622.2								
Subtotal (Section ECI-7)						11742	227.6	26.5	2.31	61.2	546.0	15.1	622.2	2870.1	121670	274.6	1.93	530.4	3074.4	3604.8	34,850
Harting/Hollywood	35	ECIMH001	195	388	0	388	67.5	0.9	3.22	2.8	161.9	4.5	169.2								
Subtotal (Section NETC-1)						388	67.5	0.9	3.22	2.8	161.9	4.5	169.2	2937.6	122058	275.5	1.93	531.8	3240.8	3772.6	35,187
Bushby	37	NECMH010	195	1393	8	1401	45.1	3.2	2.96	9.4	76.6	5.1	91.1								
Subtotal (Section NETC-2)						1401	45.1	3.2	2.96	9.4	76.6	5.1	91.1	2982.7	123459	278.6	1.93	536.8	3322.6	3859.4	35,635
Clover	38	NECMH003	195	48664	37715	86379	846.6	195.0	1.64	320.2	1438.8	96.2	1855.2								
Subtotal (Section NETC-3)						86379	846.6	195.0	1.64	320.2	1438.8	96.2	1855.2	3829.3	209838	473.6	1.76	832.3	4857.6	5689.8	55,761

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	195	1731	0	1731	40.6	3.9	2.91	11.4	114.3	2.3	127.9								
Subtotal (Section NETB-1)						1731	40.6	3.9	2.91	11.4	114.3	2.3	127.9	40.6	1731	3.9	2.91	11.4	116.5	127.9	495
Trent	39A02	NEBMH062	195	2660	1623	4283	58.8	9.7	2.65	25.6	165.5	3.3	194.3								
Trent	39A03	NEBMH059	195	581	124	705	12.4	1.6	3.11	5.0	34.9	0.7	40.5								
Subtotal (Section NETB-2)						4989	71.2	11.3	30.5	200.4	4.0	234.9	111.8	6720	15.2	3.12	47.4	320.9	368.2	1,744	
Trent	39C03	NEBMH054	195	2176	189	2365	39.7	5.3	2.82	15.1	86.3	1.0	102.4								
Subtotal (Section NETB-3)						2365	39.7	5.3	2.82	15.1	86.3	1.0	102.4	151.5	9085	20.5	3.00	61.4	408.2	469.6	2,359
Trent	39B01	NEBMH050	195	6282	448	6730	102.7	15.2	2.50	38.0	318.5	19.4	375.9								
Trent	39B02	NEBMH050	195	1992	126	2120	47.2	4.8	2.85	13.6	146.4	8.9	169.0								
Trent	39C02	NEBMH049	195	1113	0	1113	20.4	2.5	3.02	7.6	44.3	0.5	52.5								
Trent	39C04	NEBMH041	195	360	574	934	12.5	2.1	3.06	6.4	27.2	0.3	33.9								
Subtotal (Section NETB-4)						10898	162.8	24.6	65.6	536.4	29.2	631.2	334.3	19983	45.1	2.65	119.6	973.8	1093.4	5,192	
Trent	39C01	NEBMH035	195	6390	940	7330	93.5	16.5	2.47	40.9	203.2	2.4	246.5								
Broom	30A02	NEBMH033	195	2414	392	2806	145.5	6.3	2.77	17.6	152.9	8.5	178.9								
Broom	30B01	NEBMH032	195	329	0	329	11.5	0.7	3.25	2.4	6.9	0.7	10.0								
Broom	30B02	NEBMH030	195	327	49	376	6.4	0.8	3.23	2.7	3.8	0.4	7.0								
Subtotal (Section NETB-5)						10841	256.9	24.5	63.6	366.9	11.9	442.4	591.2	30824	69.6	2.47	171.5	1352.6	1524.1	8,302	
Broom	30B03	NEBMH028	195	745	442	1187	20.8	2.7	3.00	8.0	12.5	1.2	21.8								
Broom	30B04	NEBMH027	195	0	528	528	5.5	1.2	3.17	3.8	3.3	0.3	7.4								
Broom	30B05	NEBMH026	195	231	118	349	8.5	0.8	3.24	2.5	5.1	0.5	8.2								
Broom	30B06	NEBMH026	195	242	4	246	4.1	0.6	3.29	1.8	2.5	0.2	4.5								
Broom	30B07	NEBMH025	195	84	0	84	2.4	0.2	3.41	0.6	1.4	0.1	2.2								
Subtotal (Section NETB-6)						2394	41.3	5.4	16.8	24.8	2.4	44.1	632.5	33218	75.0	2.43	182.5	1379.8	1562.3	8,929	
Broom	30B09	NEBMH024	195	2303	290	2593	65.2	5.9	2.80	16.4	39.2	3.8	59.4								
Broom	30B08	NEBMH022	195	130	0	130	4.2	0.3	3.37	1.0	2.5	0.2	3.8								
Broom	30B10	NEBMH020	195	44	9	53	3.5	0.1	3.45	0.4	2.1	0.2	2.7								
Broom	30B11	NEBMH020	195	69	0	69	2.1	0.2	3.43	0.5	1.3	0.1	1.9								
Windsor	31A	NEBMH017	195	122	0	122	4.6	0.3	3.38	0.9	2.9	0.3	4.0								
Subtotal (Section NETB-7)						2967	79.6	6.7	19.2	47.9	4.6	71.7	712.1	36185	81.7	2.40	195.8	1432.3	1628.1	9,816	
Esplanade	29	NEBMH014	195	358	68	426	15.4	1.0	3.21	3.1	16.2	0.9	20.2								
Subtotal (Section NETB-8)						426	15.4	1.0	3.21	3.1	16.2	0.9	20.2	727.5	36611	82.6	2.39	197.7	1449.4	1647.1	9,959
Windsor	31B	NEBMH003	195	1711	221	1932	57.2	4.4	2.88	12.5	34.4	3.3	50.3								
Currie	32	NEBMH001	195	5037	284	5321	202.7	12.0	2.58	30.9	543.9	19.8	594.6								
Subtotal (Section NETB-9)						7253	259.9	16.4	43.5	578.3	23.1	644.9	987.4	43864	99.0	2.32	229.5	2050.8	2280.3	12,381	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	195	30712	17617	48329	1069.2	109.1	2.28	248.5	321.2	39.5	609.3								
Subtotal (Section ECI-1)						48329	1069.2	109.1	2.28	248.5	321.2	39.5	609.3	1069.2	48329	109.1	2.28	248.5	360.8	609.3	13,568
Penryn	24	Penryn	195	2801	5483	8284	280.8	18.7	2.43	45.4	68.1	6.1	119.5								
Broom	30A01	Penryn	195	200	5374	5574	68.4	12.6	2.56	32.2	71.9	4.0	108.1								
Subtotal (Section ECI-2)						13858	349.2	31.3	4.99	77.6	140.0	10.0	227.6	1418.4	62187	140.4	2.18	305.7	510.7	816.4	17,624
Humber	25	Humber	195	419	141	560	56.2	1.3	3.16	4.0	90.0	4.6	98.6								
Subtotal (Section ECI-3)						560	56.2	1.3	3.16	4.0	90.0	4.6	98.6	1474.6	62747	141.6	2.17	307.9	605.3	913.2	17,951
Rutland	26	Rutland	195	766	0	766	78.4	1.7	3.10	5.4	90.0	1.9	97.3								
Subtotal (Section ECI-4)						766	78.4	1.7	3.10	5.4	90.0	1.9	97.3	1553.0	63513	143.3	2.17	311.0	697.2	1008.2	18,404
Estevan	27	ECIMH029	195	1647	108	1755	72.7	4.0	2.90	11.5	78.6	3.2	93.3								
Dalhousie	28	ECIMH029	195	795	0	795	29.4	1.8	3.09	5.5	31.8	1.3	38.6								
Subtotal (Section ECI-5)						2551	102.1	5.8	17.0	110.4	4.5	131.9	1655.1	66064	149.1	2.15	321.2	812.1	1133.3	19,298	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	109928	248.1	1.97	487.9	2862.9	3350.8	31,678

Richmond	34	ECIMH005	195	9913	1829	11742	227.6	26.5	2.31	61.2	631.8	15.1	708.0								
Subtotal (Section ECI-7)						11742	227.6	26.5	2.31	61.2	631.8	15.1	708.0	2870.1	121670	274.6	1.93	530.4	3509.7	4040.1	34,850
Haring/Hollywood	35	ECIMH001	195	388	0	388	67.5	0.9	3.22	2.8	187.4	4.5	194.7								
Subtotal (Section NETC-1)						388	67.5	0.9	3.22	2.8	187.4	4.5	194.7	2937.6	122058	275.5	1.93	531.8	3701.5	4233.3	35,187
Bushby	37	NECMH010	195	1393	8	1401	45.1	3.2	2.96	9.4	87.1	5.1	101.6								
Subtotal (Section NETC-2)						1401	45.1	3.2	2.96	9.4	87.1	5.1	101.6	2982.7	123459	278.6	1.93	536.8	3793.7	4330.5	35,635
Clover	38	NECMH003	195	48664	37715	86379	846.6	195.0	1.64	320.2	1634.4	96.2	2050.8								
Subtotal (Section NETC-3)						86379	846.6	195.0	1.64	320.2	1634.4	96.2	2050.8	3829.3	209838	473.6	1.76	832.3	5524.4	6356.6	55,761

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	195	1731	0	1731	40.6	3.9	2.91	11.4	143.6	2.3	157.2								
Subtotal (Section NETB-1)						1731	40.6	3.9	2.91	11.4	143.6	2.3	157.2	40.6	1731	3.9	2.91	11.4	145.8	157.2	495
Trent	39A02	NEBMH062	195	2660	1623	4283	58.8	9.7	2.65	25.6	207.9	3.3	236.8								
Trent	39A03	NEBMH059	195	581	124	705	12.4	1.6	3.11	5.0	43.8	0.7	49.5								
Subtotal (Section NETB-2)						4989	71.2	11.3	30.5	251.8	4.0	286.3	111.8	6720	15.2	3.12	47.4	401.6	449.0	1,744	
Trent	39C03	NEBMH054	195	2176	189	2365	39.7	5.3	2.82	15.1	103.7	1.0	119.8								
Subtotal (Section NETB-3)						2365	39.7	5.3	2.82	15.1	103.7	1.0	119.8	151.5	9085	20.5	3.00	61.4	506.3	567.8	2,359
Trent	39B01	NEBMH050	195	6282	448	6730	102.7	15.2	2.50	38.0	369.6	19.4	428.9								
Trent	39B02	NEBMH050	195	1992	126	2120	47.2	4.8	2.85	13.6	169.9	8.9	192.4								
Trent	39C02	NEBMH049	195	1113	0	1113	20.4	2.5	3.02	7.6	53.3	0.5	61.4								
Trent	39C04	NEBMH041	195	360	574	934	12.5	2.1	3.06	6.4	32.7	0.3	39.4								
Subtotal (Section NETB-4)						10898	162.8	24.6	65.6	625.4	29.2	720.2	334.3	19983	45.1	2.65	119.6	1160.9	1280.6	5,192	
Trent	39C01	NEBMH035	195	6390	940	7330	93.5	16.5	2.47	40.9	244.3	2.4	287.6								
Broom	30A02	NEBMH033	195	2414	392	2806	145.5	6.3	2.77	17.6	190.9	8.5	216.9								
Broom	30B01	NEBMH032	195	329	0	329	11.5	0.7	3.25	2.4	7.9	0.7	10.9								
Broom	30B02	NEBMH030	195	327	49	376	6.4	0.8	3.23	2.7	4.4	0.4	7.5								
Subtotal (Section NETB-5)						10841	256.9	24.5	63.6	447.4	11.9	522.9	591.2	30824	69.6	2.47	171.5	1620.3	1791.8	8,302	
Broom	30B03	NEBMH028	195	745	442	1187	20.8	2.7	3.00	8.0	14.2	1.2	23.5								
Broom	30B04	NEBMH027	195	0	528	528	5.5	1.2	3.17	3.8	3.8	0.3	7.9								
Broom	30B05	NEBMH026	195	231	118	349	8.5	0.8	3.24	2.5	5.8	0.5	8.9								
Broom	30B06	NEBMH026	195	242	4	246	4.1	0.6	3.29	1.8	2.8	0.2	4.9								
Broom	30B07	NEBMH025	195	84	0	84	2.4	0.2	3.41	0.6	1.6	0.1	2.4								
Subtotal (Section NETB-6)						2394	41.3	5.4	16.8	28.2	2.4	47.5	632.5	33218	75.0	2.43	182.5	1650.9	1833.4	8,929	
Broom	30B09	NEBMH024	195	2303	290	2593	65.2	5.9	2.80	16.4	44.6	3.8	64.7								
Broom	30B08	NEBMH022	195	130	0	130	4.2	0.3	3.37	1.0	2.9	0.2	4.1								
Broom	30B10	NEBMH020	195	44	9	53	3.5	0.1	3.45	0.4	2.4	0.2	3.0								
Broom	30B11	NEBMH020	195	69	0	69	2.1	0.2	3.43	0.5	1.4	0.1	2.1								
Windsor	31A	NEBMH017	195	122	0	122	4.6	0.3	3.38	0.9	3.1	0.3	4.3								
Subtotal (Section NETB-7)						2967	79.6	6.7	19.2	54.4	4.6	78.3	712.1	36185	81.7	2.40	195.8	1709.9	1905.8	9,816	
Esplanade	29	NEBMH014	195	358	68	426	15.4	1.0	3.21	3.1	20.2	0.9	24.2								
Subtotal (Section NETB-8)						426	15.4	1.0	3.21	3.1	20.2	0.9	24.2	727.5	36611	82.6	2.39	197.7	1731.0	1928.8	9,959
Windsor	31B	NEBMH003	195	1711	221	1932	57.2	4.4	2.88	12.5	39.1	3.3	55.0								
Currie	32	NEBMH001	195	5037	284	5321	202.7	12.0	2.58	30.9	652.1	19.8	702.8								
Subtotal (Section NETB-9)						7253	259.9	16.4	43.5	691.2	23.1	757.8	987.4	43864	99.0	2.32	229.5	2445.4	2674.8	12,381	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	195	30712	17617	48329	1069.2	109.1	2.28	248.5	392.9	39.5	680.9								
Subtotal (Section ECI-1)						48329	1069.2	109.1	2.28	248.5	392.9	39.5	680.9	1069.2	48329	109.1	2.28	248.5	432.4	680.9	13,568
Penryn	24	Penryn	195	2801	5483	8284	280.8	18.7	2.43	45.4	86.8	6.1	138.2								
Broom	30A01	Penryn	195	200	5374	5574	68.4	12.6	2.56	32.2	89.7	4.0	125.9								
Subtotal (Section ECI-2)						13858	349.2	31.3	4.99	77.6	176.5	10.0	264.1	1418.4	62187	140.4	2.18	305.7	618.9	924.6	17,624
Humber	25	Humber	195	419	141	560	56.2	1.3	3.16	4.0	90.0	4.6	98.6								
Subtotal (Section ECI-3)						560	56.2	1.3	3.16	4.0	90.0	4.6	98.6	1474.6	62747	141.6	2.17	307.9	713.5	1021.4	17,951
Rutland	26	Rutland	195	766	0	766	78.4	1.7	3.10	5.4	90.0	1.9	97.3								
Subtotal (Section ECI-4)						766	78.4	1.7	3.10	5.4	90.0	1.9	97.3	1553.0	63513	143.3	2.17	311.0	805.4	1116.4	18,404
Estevan	27	ECIMH029	195	1647	108	1755	72.7	4.0	2.90	11.5	88.9	3.2	103.6								
Dalhousie	28	ECIMH029	195	795	0	795	29.4	1.8	3.09	5.5	36.0	1.3	42.8								
Subtotal (Section ECI-5)						2551	102.1	5.8	17.0	124.9	4.5	146.4	1655.1	66064	149.1	2.15	321.2	934.8	1256.0	19,298	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	109928	248.1	1.97	487.9	3380.1	3868.0	31,678

Richmond	34	ECIMH005	195	9913	1829	11742	227.6	26.5	2.31	61.2	758.3	15.1	834.6								
Subtotal (Section ECI-7)						11742	227.6	26.5	2.31	61.2	758.3	15.1	834.6	2870.1	121670	274.6	1.93	530.4	4153.5	4683.9	34,850
Haring/Hollywood	35	ECIMH001	195	388	0	388	67.5	0.9	3.22	2.8	224.9	4.5	232.2								
Subtotal (Section ECI-8)						388	67.5	0.9	3.22	2.8	224.9	4.5	232.2	2937.6	122058	275.5	1.93	531.8	4382.9	4914.6	35,187
Bushby	37	NECMH010	195	1393	8	1401	45.1	3.2	2.96	9.4	102.5	5.1	116.9								
Subtotal (Section ECI-9)						1401	45.1	3.2	2.96	9.4	102.5	5.1	116.9	2982.7	123459	278.6	1.93	536.8	4490.5	5027.3	35,635
Clover	38	NECMH003	195	48664	37715	86379	846.6	195.0	1.64	320.2	1923.3	96.2	2339.8								
Subtotal (Section ECI-10)						86379	846.6	195.0	1.64	320.2	1923.3	96.2	2339.8	3829.3	209838	473.6	1.76	832.3	6510.0	7342.3	55,761

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	184	1765	0	1765	40.6	3.8	2.90	10.9	55.2	2.3	68.4								
Subtotal (Section NETB-1)						1765	40.6	3.8	2.90	10.9	55.2	2.3	68.4	40.6	1765	3.8	2.90	10.9	55.2	68.4	482
Trent	39A02	NEBMH062	184	2713	1655	4368	58.8	9.3	2.64	24.6	80.0	3.3	107.8								
Trent	39A03	NEBMH059	184	593	126	719	12.4	1.5	3.11	4.8	16.9	0.7	22.3								
Subtotal (Section NETB-2)						5088	71.2	10.8	29.3	96.8	4.0	130.1	111.8	6853	14.6	3.12	45.5	158.3	203.8	1,694	
Trent	39C03	NEBMH054	184	2219	193	2412	39.7	5.1	2.82	14.5	51.2	1.0	66.7								
Subtotal (Section NETB-3)						2412	39.7	5.1	2.82	14.5	51.2	1.0	66.7	151.5	9265	19.7	2.99	58.9	210.5	269.4	2,292
Trent	39B01	NEBMH050	184	6407	457	6864	102.7	14.6	2.49	36.4	215.3	19.4	271.1								
Trent	39B02	NEBMH050	184	2031	131	2162	47.2	4.6	2.85	13.1	98.9	8.9	121.0								
Trent	39C02	NEBMH049	184	1136	0	1136	20.4	2.4	3.01	7.3	26.3	0.5	34.1								
Trent	39C04	NEBMH041	184	368	586	954	12.5	2.0	3.05	6.2	16.1	0.3	22.6								
Subtotal (Section NETB-4)						11115	182.8	23.7	63.0	356.6	29.2	448.8	334.3	20381	43.4	2.64	114.8	596.3	711.1	5,046	
Trent	39C01	NEBMH035	184	6517	959	7476	93.5	15.9	2.46	39.2	120.5	2.4	162.2								
Broom	30A02	NEBMH033	184	2461	399	2861	145.5	6.1	2.77	16.9	76.3	8.5	101.6								
Broom	30B01	NEBMH032	184	336	0	336	11.5	0.7	3.25	2.3	5.0	0.7	8.0								
Broom	30B02	NEBMH030	184	334	50	384	6.4	0.8	3.22	2.6	2.8	0.4	5.8								
Subtotal (Section NETB-5)						11056	256.9	23.5	61.0	204.7	11.9	277.6	591.2	31436	66.9	2.46	164.5	812.9	977.4	8,076	
Broom	30B03	NEBMH028	184	760	451	1211	20.8	2.6	3.00	7.7	9.1	1.2	18.0								
Broom	30B04	NEBMH027	184	0	538	538	5.5	1.1	3.17	3.6	2.4	0.3	6.4								
Broom	30B05	NEBMH026	184	235	120	355	8.5	0.8	3.24	2.4	3.7	0.5	6.7								
Broom	30B06	NEBMH026	184	247	4	251	4.1	0.5	3.29	1.8	1.8	0.2	3.8								
Broom	30B07	NEBMH025	184	86	0	86	2.4	0.2	3.41	0.6	1.0	0.1	1.8								
Subtotal (Section NETB-6)						2441	41.3	5.2	16.2	18.1	2.4	36.6	632.5	33877	72.1	2.43	175.0	833.3	1008.3	8,685	
Broom	30B09	NEBMH024	184	2348	296	2643	65.2	5.6	2.79	15.7	28.5	3.8	48.0								
Broom	30B08	NEBMH022	184	132	0	132	4.2	0.3	3.37	0.9	1.8	0.2	3.0								
Broom	30B10	NEBMH020	184	45	9	54	3.5	0.1	3.45	0.4	1.5	0.2	2.1								
Broom	30B11	NEBMH020	184	71	0	71	2.1	0.2	3.43	0.5	0.9	0.1	1.6								
Windsor	31A	NEBMH017	184	125	0	125	4.6	0.5	3.37	0.9	2.0	0.3	3.2								
Subtotal (Section NETB-7)						3025	79.6	6.4	18.5	34.8	4.6	57.9	712.1	36902	78.6	2.39	187.8	872.8	1060.6	9,550	
Esplanade	29	NEBMH014	184	365	69	434	15.4	0.9	3.20	3.0	8.1	0.9	11.9								
Subtotal (Section NETB-8)						434	15.4	0.9	3.20	3.0	8.1	0.9	11.9	727.5	37336	79.5	2.38	189.6	881.7	1071.3	9,690
Windsor	31B	NEBMH003	184	1744	225	1969	57.2	4.2	2.87	12.0	25.0	3.3	40.4								
Currie	32	NEBMH001	184	5135	289	5425	202.7	11.6	2.57	29.7	325.2	19.8	374.6								
Subtotal (Section NETB-9)						7394	259.9	15.7	41.7	350.2	23.1	415.0	987.4	44730	95.3	2.31	220.0	1255.0	1475.0	12,057	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	184	31360	17987	49347	1069.2	105.1	2.27	238.5	176.4	39.5	454.4								
Subtotal (Section ECI-1)						49347	1069.2	105.1	2.27	238.5	176.4	39.5	454.4	1069.2	49347	105.1	2.27	238.5	215.9	454.4	13,224
Penryn	24	Penryn	184	2860	5598	8458	280.8	18.0	2.42	43.6	30.3	6.1	80.0								
Broom	30A01	Penryn	184	204	5476	5680	68.4	12.1	2.55	30.9	35.9	4.0	70.8								
Subtotal (Section ECI-2)						14138	349.2	30.1	4.98	74.5	66.2	10.0	150.7	1418.4	63485	135.2	2.17	293.4	292.1	585.5	17,179
Humber	25	Humber	184	427	144	571	56.2	1.2	3.16	3.8	90.0	4.6	98.4								
Subtotal (Section ECI-3)						571	56.2	1.2	3.16	3.8	90.0	4.6	98.4	1474.6	64056	136.4	2.17	295.5	386.7	682.2	17,502
Rutland	26	Rutland	184	781	0	781	78.4	1.7	3.09	5.1	90.0	1.9	97.1								
Subtotal (Section ECI-4)						781	78.4	1.7	3.09	5.1	90.0	1.9	97.1	1553.0	64837	138.1	2.16	298.5	478.6	777.1	17,949
Estevan	27	ECIMH029	184	1679	110	1789	72.7	3.8	2.90	11.0	57.7	3.2	71.9								
Dalhousie	28	ECIMH029	184	811	0	811	29.4	1.7	3.09	5.3	23.3	1.3	29.9								
Subtotal (Section ECI-5)						2600	102.1	5.5	16.4	81.0	4.5	101.8	1655.1	67437	143.6	2.15	308.3	564.1	872.3	18,824	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	112166	238.9	1.96	468.1	1819.1	2287.1	30,881
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Richmond	34	ECIMH005	184	10110	1866	11976	227.6	25.5	2.30	58.7	375.9	15.1	449.6								
Subtotal (Section ECI-7)						11976	227.6	25.5	2.30	58.7	375.9	15.1	449.6	2870.1	124142	264.4	1.92	508.8	2210.0	2718.8	33,967
Harting/Hollywood	35	ECIMH001	184	395	0	395	67.5	0.8	3.22	2.7	111.5	4.5	118.6								
Subtotal (Section NETC-1)						395	67.5	0.8	3.22	2.7	111.5	4.5	118.6	2937.6	124537	265.2	1.92	510.1	2325.9	2836.1	34,301
Bushby	37	NECMH010	184	1421	8	1429	45.1	3.0	2.96	9.0	55.9	5.1	70.1								
Subtotal (Section NETC-2)						1429	45.1	3.0	2.96	9.0	55.9	5.1	70.1	2982.7	125966	268.3	1.92	515.0	2387.0	2902.0	34,739
Clover	38	NECMH003	184	49629	38469	88099	846.6	187.6	1.64	307.1	1050.1	96.2	1453.4								
Subtotal (Section NETC-3)						88099	846.6	187.6	1.64	307.1	1050.1	96.2	1453.4	3829.3	214065	455.9	1.75	798.4	3533.3	4331.8	54,230

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	184	1765	0	1765	40.6	3.8	2.90	10.9	78.8	2.3	92.0								
Subtotal (Section NETB-1)						1765	40.6	3.8	2.90	10.9	78.8	2.3	92.0	40.6	1765	3.8	2.90	10.9	81.1	92.0	482
Trent	39A02	NEBMH062	184	2713	1655	4368	58.8	9.3	2.64	24.6	114.2	3.3	142.0								
Trent	39A03	NEBMH059	184	593	126	719	12.4	1.5	3.11	4.8	24.1	0.7	29.5								
Subtotal (Section NETB-2)						5088	71.2	10.8	29.3	138.2	4.0	171.5	111.8	6853	14.6	3.12	45.5	223.3	268.8	1,694	
Trent	39C03	NEBMH054	184	2219	193	2412	39.7	5.1	2.82	14.5	65.2	1.0	80.7								
Subtotal (Section NETB-3)						2412	39.7	5.1	2.82	14.5	65.2	1.0	80.7	151.5	9265	19.7	2.99	58.9	289.6	348.5	2,292
Trent	39B01	NEBMH050	184	6407	457	6864	102.7	14.6	2.49	36.4	256.7	19.4	312.5								
Trent	39B02	NEBMH050	184	2031	131	2162	47.2	4.6	2.85	13.1	118.0	8.9	140.0								
Trent	39C02	NEBMH049	184	1136	0	1136	20.4	2.4	3.01	7.3	33.5	0.5	41.3								
Trent	39C04	NEBMH041	184	368	586	954	12.5	2.0	3.05	6.2	20.5	0.3	27.1								
Subtotal (Section NETB-4)						11115	182.8	23.7	63.0	428.7	29.2	520.9	334.3	20381	43.4	2.64	114.8	747.5	862.2	5,046	
Trent	39C01	NEBMH035	184	6517	959	7476	93.5	15.9	2.46	39.2	153.6	2.4	195.3								
Broom	30A02	NEBMH033	184	2461	399	2861	145.5	6.1	2.77	16.9	106.9	8.5	132.3								
Broom	30B01	NEBMH032	184	336	0	336	11.5	0.7	3.25	2.3	5.8	0.7	8.8								
Broom	30B02	NEBMH030	184	334	50	384	6.4	0.8	3.22	2.6	3.2	0.4	6.2								
Subtotal (Section NETB-5)						11056	256.9	23.5	61.0	269.6	11.9	342.5	591.2	31436	66.9	2.46	164.5	1028.9	1193.5	8,076	
Broom	30B03	NEBMH028	184	760	451	1211	20.8	2.6	3.00	7.7	10.5	1.2	19.4								
Broom	30B04	NEBMH027	184	0	538	538	5.5	1.1	3.17	3.6	2.8	0.3	6.7								
Broom	30B05	NEBMH026	184	235	120	355	8.5	0.8	3.24	2.4	4.3	0.5	7.2								
Broom	30B06	NEBMH026	184	247	4	251	4.1	0.5	3.29	1.8	2.1	0.2	4.1								
Broom	30B07	NEBMH025	184	86	0	86	2.4	0.2	3.41	0.6	1.2	0.1	2.0								
Subtotal (Section NETB-6)						2441	41.3	5.2	16.2	20.8	2.4	39.4	632.5	33877	72.1	2.43	175.0	1052.1	1227.1	8,685	
Broom	30B09	NEBMH024	184	2348	296	2643	65.2	5.6	2.79	15.7	32.8	3.8	52.3								
Broom	30B08	NEBMH022	184	132	0	132	4.2	0.3	3.37	0.9	2.1	0.2	3.3								
Broom	30B10	NEBMH020	184	45	9	54	3.5	0.1	3.45	0.4	1.8	0.2	2.4								
Broom	30B11	NEBMH020	184	71	0	71	2.1	0.2	3.43	0.5	1.1	0.1	1.7								
Windsor	31A	NEBMH017	184	125	0	125	4.6	0.3	3.37	0.9	2.3	0.3	3.5								
Subtotal (Section NETB-7)						3025	79.6	6.4	18.5	40.1	4.6	63.2	712.1	36902	78.6	2.39	187.8	1096.8	1284.6	9,550	
Esplanade	29	NEBMH014	184	365	69	434	15.4	0.9	3.20	3.0	11.3	0.9	15.2								
Subtotal (Section NETB-8)						434	15.4	0.9	3.20	3.0	11.3	0.9	15.2	727.5	37336	79.5	2.38	189.6	1109.1	1298.7	9,690
Windsor	31B	NEBMH003	184	1744	225	1969	57.2	4.2	2.87	12.0	28.8	3.3	44.2								
Currie	32	NEBMH001	184	5135	289	5425	202.7	11.6	2.57	29.7	412.8	19.8	462.2								
Subtotal (Section BETB-9)						7394	259.9	15.7	41.7	441.6	23.1	506.4	987.4	44730	95.3	2.31	220.0	1573.7	1793.7	12,057	

NET-B Ends at the Currie Major Pump Station

ECI

Arbutus	23	ECIMH041	184	31360	17987	49347	1069.2	105.1	2.27	238.5	234.4	39.5	512.5								
Subtotal (Section ECI-1)						49347	1069.2	105.1	2.27	238.5	234.4	39.5	512.5	1069.2	49347	105.1	2.27	238.5	273.9	512.5	13,224
Penryn	24	Penryn	184	2860	5598	8458	280.8	18.0	2.42	43.6	45.4	6.1	95.1								
Broom	30A01	Penryn	184	204	5476	5680	68.4	12.1	2.55	30.9	50.3	4.0	85.2								
Subtotal (Section ECI-2)						14138	349.2	30.1	4.98	74.5	95.7	10.0	180.3	1418.4	63485	135.2	2.17	293.4	379.7	673.0	17,179
Humber	25	Humber	184	427	144	571	56.2	1.2	3.16	3.8	90.0	4.6	98.4								
Subtotal (Section ECI-3)						571	56.2	1.2	3.16	3.8	90.0	4.6	98.4	1474.6	64056	136.4	2.17	295.5	474.2	769.7	17,502
Rutland	26	Rutland	184	781	0	781	78.4	1.7	3.09	5.1	90.0	1.9	97.1								
Subtotal (Section ECI-4)						781	78.4	1.7	3.09	5.1	90.0	1.9	97.1	1553.0	64837	138.1	2.16	298.5	566.1	864.6	17,949
Estevan	27	ECIMH029	184	1679	110	1789	72.7	3.8	2.90	11.0	66.1	3.2	80.3								
Dalhousie	28	ECIMH029	184	811	0	811	29.4	1.7	3.09	5.3	26.7	1.3	33.3								
Subtotal (Section ECI-5)						2600	102.1	5.5	16.4	92.8	4.5	113.6	1655.1	67437	143.6	2.15	308.3	663.4	971.6	18,824	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	112166	238.9	1.96	468.1	2237.1	2705.2	30,881
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Richmond	34	ECIMH005	184	10110	1866	11976	227.6	25.5	2.30	58.7	478.5	15.1	552.3								
Subtotal (Section ECI-7)						11976	227.6	25.5	2.30	58.7	478.5	15.1	552.3	2870.1	124142	264.4	1.92	508.8	2730.7	3239.5	33,967
Harting/Hollywood	35	ECIMH001	184	395	0	395	67.5	0.8	3.22	2.7	141.9	4.5	149.1								
Subtotal (Section NETC-1)						395	67.5	0.8	3.22	2.7	141.9	4.5	149.1	2937.6	124537	265.2	1.92	510.1	2877.1	3387.2	34,301
Bushby	37	NECMH010	184	1421	8	1429	45.1	3.0	2.96	9.0	68.4	5.1	82.5								
Subtotal (Section NETC-2)						1429	45.1	3.0	2.96	9.0	68.4	5.1	82.5	2982.7	125966	268.3	1.92	515.0	2950.6	3465.5	34,739
Clover	38	NECMH003	184	49629	38469	88099	846.6	187.6	1.64	307.1	1284.1	96.2	1687.4								
Subtotal (Section NETC-3)						88099	846.6	187.6	1.64	307.1	1284.1	96.2	1687.4	3829.3	214065	455.9	1.75	798.4	4330.9	5129.3	54,230

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)	
Trent	39A01	NEBMH066	184	1765	0	1765	40.6	3.8	2.90	10.9	94.5	2.3	107.7									
Subtotal (Section NETB-1)						1765	40.6	3.8	2.90	10.9	94.5	2.3	107.7	40.6	1765	3.8	2.90	10.9	96.8	107.7	482	
Trent	39A02	NEBMH062	184	2713	1655	4368	58.8	9.3	2.64	24.6	136.9	3.3	164.7									
Trent	39A03	NEBMH059	184	593	126	719	12.4	1.5	3.11	4.8	28.9	0.7	34.3									
Subtotal (Section NETB-2)						5088	71.2	10.8	29.3	165.7	4.0	199.0	111.8	6853	14.6	3.12	45.5	266.5	311.9	1,694		
Trent	39C03	NEBMH054	184	2219	193	2412	39.7	5.1	2.82	14.5	74.5	1.0	90.0									
Subtotal (Section NETB-3)						2412	39.7	5.1	2.82	14.5	74.5	1.0	90.0	151.5	9265	19.7	2.99	58.9	342.1	401.0	2,292	
Trent	39B01	NEBMH050	184	6407	457	6864	102.7	14.6	2.49	36.4	283.9	19.4	339.7									
Trent	39B02	NEBMH050	184	2031	131	2162	47.2	4.6	2.85	13.1	130.5	8.9	152.5									
Trent	39C02	NEBMH049	184	1136	0	1136	20.4	2.4	3.01	7.3	38.3	0.5	46.1									
Trent	39C04	NEBMH041	184	368	586	954	12.5	2.0	3.05	6.2	23.5	0.3	30.0									
Subtotal (Section NETB-4)						11115	182.8	23.7	63.0	476.2	29.2	568.4	334.3	20381	43.4	2.64	114.8	847.4	962.2	5,046		
Trent	39C01	NEBMH035	184	6517	959	7476	93.5	15.9	2.46	39.2	175.6	2.4	217.2									
Broom	30A02	NEBMH033	184	2461	399	2861	145.5	6.1	2.77	16.9	127.3	8.5	152.6									
Broom	30B01	NEBMH032	184	336	0	336	11.5	0.7	3.25	2.3	6.3	0.7	9.3									
Broom	30B02	NEBMH030	184	334	50	384	6.4	0.8	3.22	2.6	3.5	0.4	6.5									
Subtotal (Section NETB-5)						11056	256.9	23.5	61.0	312.6	11.9	385.6	591.2	31436	66.9	2.46	164.5	1171.9	1336.5	8,076		
Broom	30B03	NEBMH028	184	760	451	1211	20.8	2.6	3.00	7.7	11.3	1.2	20.3									
Broom	30B04	NEBMH027	184	0	538	538	5.5	1.1	3.17	3.6	3.0	0.3	6.9									
Broom	30B05	NEBMH026	184	235	120	355	8.5	0.8	3.24	2.4	4.6	0.5	7.6									
Broom	30B06	NEBMH026	184	247	4	251	4.1	0.5	3.29	1.8	2.2	0.2	4.2									
Broom	30B07	NEBMH025	184	86	0	86	2.4	0.2	3.41	0.6	1.3	0.1	2.1									
Subtotal (Section NETB-6)						2441	41.3	5.2	16.2	22.5	2.4	41.1	632.5	33877	72.1	2.43	175.0	1196.9	1371.9	8,685		
Broom	30B09	NEBMH024	184	2348	296	2643	65.2	5.6	2.79	15.7	35.6	3.8	55.1									
Broom	30B08	NEBMH022	184	132	0	132	4.2	0.3	3.37	0.9	2.3	0.2	3.5									
Broom	30B10	NEBMH020	184	45	9	54	3.5	0.1	3.45	0.4	1.9	0.2	2.5									
Broom	30B11	NEBMH020	184	71	0	71	2.1	0.2	3.43	0.5	1.1	0.1	1.8									
Windsor	31A	NEBMH017	184	125	0	125	4.6	0.3	3.37	0.9	2.5	0.3	3.7									
Subtotal (Section NETB-7)						3025	79.6	6.4	18.5	43.4	4.6	66.5	712.1	36902	78.6	2.39	187.8	1244.9	1432.7	9,550		
Esplanade	29	NEBMH014	184	365	69	434	15.4	0.9	3.20	3.0	13.5	0.9	17.3									
Subtotal (Section NETB-8)						434	15.4	0.9	3.20	3.0	13.5	0.9	17.3	727.5	37336	79.5	2.38	189.6	1259.3	1448.9	9,690	
Windsor	31B	NEBMH003	184	1744	225	1969	57.2	4.2	2.87	12.0	31.2	3.3	46.6									
Currie	32	NEBMH001	184	5135	289	5425	202.7	11.6	2.57	29.7	470.7	19.8	520.1									
Subtotal (Section NETB-9)						7394	259.9	15.7	41.7	501.9	23.1	566.7	987.4	44730	95.3	2.31	220.0	1784.3	2004.3	12,057		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	184	31360	17987	49347	1069.2	105.1	2.27	238.5	272.7	39.5	550.8								
Subtotal (Section ECI-1)						49347	1069.2	105.1	2.27	238.5	272.7	39.5	550.8	1069.2	49347	105.1	2.27	238.5	312.3	550.8	13,224
Penryn	24	Penryn	184	2860	5598	8458	280.8	18.0	2.42	43.6	55.4	6.1	105.1								
Broom	30A01	Penryn	184	204	5476	5680	68.4	12.1	2.55	30.9	59.8	4.0	94.7								
Subtotal (Section ECI-2)						14138	349.2	30.1	4.98	74.5	115.3	10.0	199.8	1418.4	63485	135.2	2.17	293.4	437.6	730.9	17,179
Humber	25	Humber	184	427	144	571	56.2	1.2	3.16	3.8	90.0	4.6	98.4								
Subtotal (Section ECI-3)						571	56.2	1.2	3.16	3.8	90.0	4.6	98.4	1474.6	64056	136.4	2.17	295.5	532.1	827.7	17,502
Rutland	26	Rutland	184	781	0	781	78.4	1.7	3.09	5.1	90.0	1.9	97.1								
Subtotal (Section ECI-4)						781	78.4	1.7	3.09	5.1	90.0	1.9	97.1	1553.0	64837	138.1	2.16	298.5	624.0	922.5	17,949
Estevan	27	ECIMH029	184	1679	110	1789	72.7	3.8	2.90	11.0	71.6	3.2	85.8								
Dalhousie	28	ECIMH029	184	811	0	811	29.4	1.7	3.09	5.3	28.9	1.3	35.6								
Subtotal (Section ECI-5)						2600	102.1	5.5	16.4	100.5	4.5	121.4	1655.1	67437	143.6	2.15	308.3	729.0	1037.3	18,824	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	112166	238.9	1.96	468.1	2513.3	2981.4	30,881

Richmond	34	ECIMH005	184	10110	1866	11976	227.6	25.5	2.30	58.7	546.0	15.1	619.8								
Subtotal (Section ECI-7)						11976	227.6	25.5	2.30	58.7	546.0	15.1	619.8	2870.1	124142	264.4	1.92	508.8	3074.4	3583.2	33,967
Hartley/Hollywood	35	ECIMH001	184	395	0	395	67.5	0.8	3.22	2.7	161.9	4.5	169.1								
Subtotal (Section NETC-1)						395	67.5	0.8	3.22	2.7	161.9	4.5	169.1	2937.6	124537	265.2	1.92	510.1	3240.8	3750.9	34,301
Bushby	37	NECMH010	184	1421	8	1429	45.1	3.0	2.96	9.0	76.6	5.1	90.8								
Subtotal (Section NETC-2)						1429	45.1	3.0	2.96	9.0	76.6	5.1	90.8	2982.7	125966	268.3	1.92	515.0	3322.6	3837.5	34,739
Clover	38	NECMH003	184	49629	38469	88099	846.6	187.6	1.64	307.1	1438.8	96.2	1842.1								
Subtotal (Section NETC-3)						88099	846.6	187.6	1.64	307.1	1438.8	96.2	1842.1	3829.3	214065	455.9	1.75	798.4	4857.6	5656.0	54,230

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Trent	39A01	NEBMH066	184	1765	0	1765	40.6	3.8	2.90	10.9	114.3	2.3	127.4									
Subtotal (Section NETB-1)						1765	40.6	3.8	2.90	10.9	114.3	2.3	127.4	40.6	1765	3.8	2.90	10.9	114.3	127.4	482	
Trent	39A02	NEBMH062	184	2713	1655	4368	58.8	9.3	2.64	24.6	165.5	3.3	193.3									
Trent	39A03	NEBMH059	184	593	126	719	12.4	1.5	3.11	4.8	34.9	0.7	40.3									
Subtotal (Section NETB-2)						5088	71.2	10.8	29.3	200.4	4.0	233.7	111.8	6853	14.6	3.12	45.5	320.9	366.3	1,694		
Trent	39C03	NEBMH054	184	2219	193	2412	39.7	5.1	2.82	14.5	86.3	1.0	101.8									
Subtotal (Section NETB-3)						2412	39.7	5.1	2.82	14.5	86.3	1.0	101.8	151.5	9265	19.7	2.99	58.9	408.2	467.1	2,292	
Trent	39B01	NEBMH050	184	6407	457	6864	102.7	14.6	2.49	36.4	318.5	19.4	374.4									
Trent	39B02	NEBMH050	184	2031	131	2162	47.2	4.6	2.85	13.1	146.4	8.9	168.4									
Trent	39C02	NEBMH049	184	1136	0	1136	20.4	2.4	3.01	7.3	44.3	0.5	52.2									
Trent	39C04	NEBMH041	184	368	586	954	12.5	2.0	3.05	6.2	27.2	0.3	33.7									
Subtotal (Section NETB-4)						11115	182.8	23.7	63.0	536.4	29.2	628.6	334.3	20381	43.4	2.64	114.8	973.8	1088.6	5,046		
Trent	39C01	NEBMH035	184	6517	959	7476	93.5	15.9	2.46	39.2	203.2	2.4	244.9									
Broom	30A02	NEBMH033	184	2461	399	2861	145.5	6.1	2.77	16.9	152.9	8.5	178.2									
Broom	30B01	NEBMH032	184	336	0	336	11.5	0.7	3.25	2.3	6.9	0.7	9.9									
Broom	30B02	NEBMH030	184	334	50	384	6.4	0.8	3.22	2.6	3.8	0.4	6.9									
Subtotal (Section NETB-5)						11056	256.9	23.5	61.0	366.9	11.9	439.8	591.2	31436	66.9	2.46	164.5	1352.6	1517.1	8,076		
Broom	30B03	NEBMH028	184	760	451	1211	20.8	2.6	3.00	7.7	12.5	1.2	21.4									
Broom	30B04	NEBMH027	184	0	538	538	5.5	1.1	3.17	3.6	3.3	0.3	7.3									
Broom	30B05	NEBMH026	184	235	120	355	8.5	0.8	3.24	2.4	5.1	0.5	8.1									
Broom	30B06	NEBMH026	184	247	4	251	4.1	0.5	3.29	1.8	2.5	0.2	4.5									
Broom	30B07	NEBMH025	184	86	0	86	2.4	0.2	3.41	0.6	1.4	0.1	2.2									
Subtotal (Section NETB-6)						2441	41.3	5.2	16.2	24.8	2.4	43.4	632.5	33877	72.1	2.43	175.0	1379.8	1554.8	8,685		
Broom	30B09	NEBMH024	184	2348	296	2643	65.2	5.6	2.79	15.7	39.2	3.8	58.7									
Broom	30B08	NEBMH022	184	132	0	132	4.2	0.3	3.37	0.9	2.5	0.2	3.7									
Broom	30B10	NEBMH020	184	45	9	54	3.5	0.1	3.45	0.4	2.1	0.2	2.7									
Broom	30B11	NEBMH020	184	71	0	71	2.1	0.2	3.43	0.5	1.3	0.1	1.9									
Windsor	31A	NEBMH017	184	125	0	125	4.6	0.3	3.37	0.9	2.9	0.3	3.9									
Subtotal (Section NETB-7)						3025	79.6	6.4	18.5	47.9	4.6	71.0	712.1	36902	78.6	2.39	187.8	1432.3	1620.1	9,550		
Esplanade	29	NEBMH014	184	365	69	434	15.4	0.9	3.20	3.0	16.2	0.9	20.0									
Subtotal (Section NETB-8)						434	15.4	0.9	3.20	3.0	16.2	0.9	20.0	727.5	37336	79.5	2.38	189.6	1449.4	1639.0	9,690	
Windsor	31B	NEBMH003	184	1744	225	1969	57.2	4.2	2.87	12.0	34.4	3.3	49.8									
Currie	32	NEBMH001	184	5135	289	5425	202.7	11.6	2.57	29.7	543.9	19.8	593.4									
Subtotal (Section NETB-9)						7394	259.9	15.7	41.7	578.3	23.1	643.2	987.4	44730	95.3	2.31	220.0	2050.8	2270.8	12,057		

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	184	31360	17987	49347	1069.2	105.1	2.27	238.5	321.2	39.5	599.3								
Subtotal (Section ECI-1)						49347	1069.2	105.1	2.27	238.5	321.2	39.5	599.3	1069.2	49347	105.1	2.27	238.5	360.8	599.3	13,224
Penryn	24	Penryn	184	2860	5598	8458	280.8	18.0	2.42	43.6	68.1	6.1	117.8								
Broom	30A01	Penryn	184	204	5476	5680	68.4	12.1	2.55	30.9	71.9	4.0	106.7								
Subtotal (Section ECI-2)						14138	349.2	30.1	4.98	74.5	140.0	10.0	224.5	1418.4	63485	135.2	2.17	293.4	510.7	804.1	17,179
Humber	25	Humber	184	427	144	571	56.2	1.2	3.16	3.8	90.0	4.6	98.4								
Subtotal (Section ECI-3)						571	56.2	1.2	3.16	3.8	90.0	4.6	98.4	1474.6	64056	136.4	2.17	295.5	605.3	900.8	17,502
Rutland	26	Rutland	184	781	0	781	78.4	1.7	3.09	5.1	90.0	1.9	97.1								
Subtotal (Section ECI-4)						781	78.4	1.7	3.09	5.1	90.0	1.9	97.1	1553.0	64837	138.1	2.16	298.5	697.2	995.7	17,949
Estevan	27	ECIMH029	184	1679	110	1789	72.7	3.8	2.90	11.0	78.6	3.2	92.8								
Dalhousie	28	ECIMH029	184	811	0	811	29.4	1.7	3.09	5.3	31.8	1.3	38.4								
Subtotal (Section ECI-5)						2600	102.1	5.5	16.4	110.4	4.5	131.2	1655.1	67437	143.6	2.15	308.3	812.1	1120.3	18,824	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	112166	238.9	1.96	468.1	2862.9	3330.9	30,881

Richmond	34	ECIMH005	184	10110	1866	11976	227.6	25.5	2.30	58.7	631.8	15.1	705.5								
Subtotal (Section ECI-7)						11976	227.6	25.5	2.30	58.7	631.8	15.1	705.5	2870.1	124142	264.4	1.92	508.8	3509.7	4018.5	33,967
Harting/Hollywood	35	ECIMH001	184	395	0	395	67.5	0.8	3.22	2.7	187.4	4.5	194.5								
Subtotal (Section NETC-1)						395	67.5	0.8	3.22	2.7	187.4	4.5	194.5	2937.6	124537	265.2	1.92	510.1	3701.5	4211.7	34,301
Bushby	37	NECMH010	184	1421	8	1429	45.1	3.0	2.96	9.0	87.1	5.1	101.2								
Subtotal (Section NETC-2)						1429	45.1	3.0	2.96	9.0	87.1	5.1	101.2	2982.7	125966	268.3	1.92	515.0	3793.7	4308.7	34,739
Clover	38	NECMH003	184	49629	38469	88099	846.6	187.6	1.64	307.1	1634.4	96.2	2037.7								
Subtotal (Section NETC-3)						88099	846.6	187.6	1.64	307.1	1634.4	96.2	2037.7	3829.3	214065	455.9	1.75	798.4	5524.4	6322.8	54,230

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	184	1765	0	1765	40.6	3.8	2.90	10.9	143.6	2.3	156.7								
Subtotal (Section NETB-1)						1765	40.6	3.8	2.90	10.9	143.6	2.3	156.7	40.6	1765	3.8	2.90	10.9	143.6	156.7	482
Trent	39A02	NEBMH062	184	2713	1655	4368	58.8	9.3	2.64	24.6	207.9	3.3	235.8								
Trent	39A03	NEBMH059	184	593	126	719	12.4	1.5	3.11	4.8	43.8	0.7	49.3								
Subtotal (Section NETB-2)						5088	71.2	10.8	29.3	251.8	4.0	285.1	111.8	6853	14.6	3.12	45.5	401.6	447.0	1,694	
Trent	39C03	NEBMH054	184	2219	193	2412	39.7	5.1	2.82	14.5	103.7	1.0	119.2								
Subtotal (Section NETB-3)						2412	39.7	5.1	2.82	14.5	103.7	1.0	119.2	151.5	9265	19.7	2.99	58.9	506.3	565.3	2,292
Trent	39B01	NEBMH050	184	6407	457	6864	102.7	14.6	2.49	36.4	369.6	19.4	425.4								
Trent	39B02	NEBMH050	184	2031	131	2162	47.2	4.6	2.85	13.1	169.9	8.9	191.9								
Trent	39C02	NEBMH049	184	1136	0	1136	20.4	2.4	3.01	7.3	63.3	0.5	61.1								
Trent	39C04	NEBMH041	184	368	586	954	12.5	2.0	3.05	6.2	32.7	0.3	39.2								
Subtotal (Section NETB-4)						11115	182.8	23.7	63.0	625.4	29.2	717.6	334.3	20381	43.4	2.64	114.8	1160.9	1275.7	5,046	
Trent	39C01	NEBMH035	184	6517	959	7476	93.5	15.9	2.46	39.2	244.3	2.4	286.0								
Broom	30A02	NEBMH033	184	2461	399	2861	145.5	6.1	2.77	16.9	190.9	8.5	216.2								
Broom	30B01	NEBMH032	184	336	0	336	11.5	0.7	3.25	2.3	7.9	0.7	10.9								
Broom	30B02	NEBMH030	184	334	50	384	6.4	0.8	3.22	2.6	4.4	0.4	7.4								
Subtotal (Section NETB-5)						11056	256.9	23.5	61.0	447.4	11.9	520.4	591.2	31436	66.9	2.46	164.5	1620.3	1784.8	8,076	
Broom	30B03	NEBMH028	184	760	451	1211	20.8	2.6	3.00	7.7	14.2	1.2	23.2								
Broom	30B04	NEBMH027	184	0	538	538	5.5	1.1	3.17	3.6	3.8	0.3	7.7								
Broom	30B05	NEBMH026	184	235	120	355	8.5	0.8	3.24	2.4	5.8	0.5	8.8								
Broom	30B06	NEBMH026	184	247	4	251	4.1	0.5	3.29	1.8	2.8	0.2	4.8								
Broom	30B07	NEBMH025	184	86	0	86	2.4	0.2	3.41	0.6	1.6	0.1	2.4								
Subtotal (Section NETB-6)						2441	41.3	5.2	16.2	28.2	2.4	46.8	632.5	33877	72.1	2.43	175.0	1650.9	1825.9	8,685	
Broom	30B09	NEBMH024	184	2348	296	2643	65.2	5.6	2.79	15.7	44.6	3.8	64.1								
Broom	30B08	NEBMH022	184	132	0	132	4.2	0.3	3.37	0.9	2.9	0.2	4.1								
Broom	30B10	NEBMH020	184	45	9	54	3.5	0.1	3.45	0.4	2.4	0.2	3.0								
Broom	30B11	NEBMH020	184	71	0	71	2.1	0.2	3.43	0.5	1.4	0.1	2.1								
Windsor	31A	NEBMH017	184	125	0	125	4.6	0.3	3.37	0.9	3.1	0.3	4.3								
Subtotal (Section NETB-7)						3025	79.6	6.4	18.5	54.4	6.6	77.5	712.1	36902	78.6	2.39	187.8	1709.9	1897.7	9,550	
Esplanade	29	NEBMH014	184	365	69	434	15.4	0.9	3.20	3.0	20.2	0.9	24.1								
Subtotal (Section NETB-8)						434	15.4	0.9	3.20	3.0	20.2	0.9	24.1	727.5	37336	79.5	2.38	189.6	1731.0	1920.6	9,690
Windsor	31B	NEBMH003	184	1744	225	1969	57.2	4.2	2.87	12.0	39.1	3.3	54.5								
Currie	32	NEBMH001	184	5135	289	5425	202.7	11.6	2.57	29.7	652.1	19.8	701.6								
Subtotal (Section BETB-9)						7394	259.9	15.7	41.7	691.2	23.1	756.1	987.4	44730	95.3	2.31	220.0	2445.4	2665.4	12,057	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	184	31360	17987	49347	1069.2	105.1	2.27	238.5	392.9	39.5	670.9								
Subtotal (Section ECI-1)						49347	1069.2	105.1	2.27	238.5	392.9	39.5	670.9	1069.2	49347	105.1	2.27	238.5	432.4	670.9	13,224
Penryhn	24	Penryhn	184	2860	5598	8458	280.8	18.0	2.42	43.6	86.8	6.1	136.4								
Broom	30A01	Penryhn	184	204	5476	5680	68.4	12.1	2.55	30.9	89.7	4.0	124.6								
Subtotal (Section ECI-2)						14138	349.2	30.1	4.98	74.5	176.5	10.0	261.0	1418.4	63485	135.2	2.17	293.4	618.9	912.3	17,179
Humber	25	Humber	184	427	144	571	56.2	1.2	3.16	3.8	90.0	4.6	98.4								
Subtotal (Section ECI-3)						571	56.2	1.2	3.16	3.8	90.0	4.6	98.4	1474.6	64056	136.4	2.17	295.5	713.5	1009.0	17,502
Rutland	26	Rutland	184	781	0	781	78.4	1.7	3.09	5.1	90.0	1.9	97.1								
Subtotal (Section ECI-4)						781	78.4	1.7	3.09	5.1	90.0	1.9	97.1	1553.0	64837	138.1	2.16	298.5	805.4	1103.9	17,949
Estevan	27	ECIMH029	184	1679	110	1789	72.7	3.8	2.90	11.0	88.9	3.2	103.2								
Dalhousie	28	ECIMH029	184	811	0	811	29.4	1.7	3.09	5.3	36.0	1.3	42.6								
Subtotal (Section ECI-5)						2600	102.1	5.5	16.4	124.9	4.5	145.7	1655.1	67437	143.6	2.15	308.3	934.8	1243.0	18,824	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	112166	238.9	1.96	468.1	3380.1	3848.2	30,881

Richmond	34	ECIMH005	184	10110	1866	11976	227.6	25.5	2.30	58.7	758.3	15.1	832.1								
Subtotal (Section ECI-7)						11976	227.6	25.5	2.30	58.7	758.3	15.1	832.1	2870.1	124142	264.4	1.92	508.8	4153.5	4662.3	33,967
Harting/Hollywood	35	ECIMH001	184	395	0	395	67.5	0.8	3.22	2.7	224.9	4.5	232.1								
Subtotal (Section ECI-8)						395	67.5	0.8	3.22	2.7	224.9	4.5	232.1	2937.6	124537	265.2	1.92	510.1	4382.9	4893.0	34,301
Bushby	37	NECMH010	184	1421	8	1429	45.1	3.0	2.96	9.0	102.5	5.1	116.6								
Subtotal (Section ECI-9)						1429	45.1	3.0	2.96	9.0	102.5	5.1	116.6	2982.7	125966	268.3	1.92	515.0	4490.5	5005.4	34,739
Clover	38	NECMH003	184	49629	38469	88099	846.6	187.6	1.64	307.1	1923.3	96.2	2326.7								
Subtotal (Section ECI-10)						88099	846.6	187.6	1.64	307.1	1923.3	96.2	2326.7	3829.3	214065	455.9	1.75	798.4	6510.0	7308.5	54,230

NET-C Ends at Clover Point Pump Station

Appendix E

NWT-W Design Flows using Fixture Reduction Rates

NWT-W Estimated Wastewater Flows
Year = 2005, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	21.7	49.1									
Subtotal (Section NWT-W1)							3927	135.8	10.2	27.3	21.7	49.1	135.8	3927	10.2	2.67	27.3	21.7	49.1	1,022	
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	37.1	94.2									
Subtotal (Section NWT-W2)							9162	231.2	23.9	57.1	37.1	94.2	231.2	9162	23.9	2.39	57.1	37.1	94.2	2,297	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.04	3.52	0.13	0.02	0.1	367.2	13103	34.1	2.27	77.5	58.8	136.3	3,322
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.3	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	9.7	35.6									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.4	3.4									
Subtotal (Section NWT-W4)							4519	79.1	11.77	32.7	11.4	44.1	446.2	17622	45.9	2.17	99.4	70.2	169.6	4,419	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	45.0	56.5									
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	3.6	13.7									
Subtotal (Section NET-W5)							2804	91	7.3	21.6	48.6	70.2	537.2	20426	53.2	2.11	112.5	118.8	231.3	5,143	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	2.8	11.2									
Subtotal (Section NET-W6)							1063	19.8	2.8	8.4	2.8	11.2	557.0	21489	56.0	2.10	117.3	121.7	239.0	5,402	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	5.3	14.2									
Subtotal (Section NET-W7,8)							1129	22.3	2.9	8.9	5.3	14.2	579.3	22617	58.9	2.08	122.5	127.0	249.4	5,679	
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	47.2	81.4									
Subtotal (Section NETW-9)							5063	198.9	13.2	34.2	47.2	81.4	778.2	27680	72.1	2.01	144.8	174.2	319.0	7,020	
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	20.5	39.1									
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	6.0	10.7									
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	26.4	52.7									
Subtotal (Section NETW-10,11, Craigflower PS)							6873	222.8	17.9	8.64	49.5	102.4	1001.0	34554	90.0	1.93	174.0	227.1	401.1	8,794	
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	77.0	111.2									
Subtotal (Section NET-W12)							5075	97	13.2	34.2	77.0	111.2	1098.0	39629	103.2	1.89	194.8	304.1	498.9	10,034	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	75.0	107.6									
Subtotal (Section NET-W13)							4791	95	12.5	32.6	75.0	107.6	1193.0	44419	115.7	1.85	214.0	379.1	593.1	11,209	
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	50.0	61.1									
Subtotal (Section NET-W14)							1447	46	3.8	11.1	50.0	61.1	1239.0	45866	119.4	1.84	219.7	429.1	648.8	11,581	

NWT-W Estimated Wastewater Flows
Year = 2005, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	24.9	52.2									
Subtotal (Section NWT-W1)							3927	135.8	10.2	27.3	24.9	52.2	135.8	3927	10.2	2.67	27.3	24.9	52.2	1,022	
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	42.5	99.6									
Subtotal (Section NWT-W2)							9162	231.2	23.9	57.1	42.5	99.6	231.2	9162	23.9	2.39	57.1	42.5	99.6	2,297	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.2									
Subtotal (Section NWT-W3)							14	0.2	0.04	3.52	0.13	0.02	0.2	367.2	13103	34.1	2.27	77.5	67.4	144.9	3,322
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	10.5	36.5									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.5	3.5									
Subtotal (Section NWT-W4)							4519	79.1	11.77	32.7	12.4	45.1	446.2	17622	45.9	2.17	99.4	79.8	179.2	4,419	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	59.0	70.5									
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	3.9	14.1									
Subtotal (Section NET-W5)							2804	91	7.3	21.6	62.9	84.6	537.2	20426	53.2	2.11	112.5	142.7	255.2	5,143	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.1	11.5									
Subtotal (Section NET-W6)							1063	19.8	2.8	8.4	3.1	11.5	557.0	21489	56.0	2.10	117.3	145.8	263.2	5,402	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	5.7	14.6									
Subtotal (Section NET-W7,8)							1129	22.3	2.9	8.9	5.7	14.6	579.3	22817	58.9	2.08	122.5	151.5	274.0	5,679	
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	50.8	85.0									
Subtotal (Section NETW-9)							5063	198.9	13.2	34.2	50.8	85.0	778.2	27680	72.1	2.01	144.8	202.4	347.2	7,020	
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	22.0	40.6									
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	6.5	11.1									
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	28.4	54.7									
Subtotal (Section NETW-10,11, Craigflower PS)							6873	222.8	17.9	8.64	49.5	56.9	106.4	1001.0	34554	90.0	1.93	174.0	259.3	433.3	8,794
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	92.0	126.2									
Subtotal (Section NET-W12)							5075	97	13.2	34.2	92.0	126.2	1098.0	39629	103.2	1.89	194.8	351.3	546.1	10,034	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	90.0	122.6									
Subtotal (Section NET-W13)							4791	95	12.5	32.6	90.0	122.6	1193.0	44419	115.7	1.85	214.0	441.3	655.3	11,209	
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	63.0	74.1									
Subtotal (Section NET-W14)							1447	46	3.8	11.1	63.0	74.1	1239.0	45866	119.4	1.84	219.7	504.3	724.0	11,581	

NWT-W Estimated Wastewater Flows
Year = 2005, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	27.4	54.7								
Subtotal (Section NWT-W1)																				
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	46.6	103.8								
Subtotal (Section NWT-W2)																				
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)																				
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	11.4	37.4								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.6	3.6								
Subtotal (Section NWT-W4)																				
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	67.0	78.5								
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	4.3	14.4								
Subtotal (Section NET-W5)																				
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.4	11.7								
Subtotal (Section NET-W6)																				
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	6.0	14.9								
Subtotal (Section NET-W7,8)																				
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	53.9	88.1								
Subtotal (Section NETW-9)																				
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	23.4	42.0								
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	6.9	11.5								
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	30.2	56.4								
Subtotal (Section NETW-10,11, Craigflower PS)																				
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	100.0	134.2								
Subtotal (Section NET-W12)																				
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	98.0	130.6								
Subtotal (Section NET-W13)																				
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	71.0	82.1								
Subtotal (Section NET-W14)																				

NWT-W Estimated Wastewater Flows
Year = 2005, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	29.9	57.2								
Subtotal (Section NWT-W1)																				
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	50.9	108.0								
Subtotal (Section NWT-W2)																				
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)																				
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	11.8	37.8								
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.7	3.7								
Subtotal (Section NWT-W4)																				
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	77.0	88.5								
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	4.4	14.5								
Subtotal (Section NET-W5)																				
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.5	11.9								
Subtotal (Section NET-W6)																				
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	6.4	15.3								
Subtotal (Section NET-W7,8)																				
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	57.1	91.3								
Subtotal (Section NETW-9)																				
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	24.7	43.3								
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	7.3	11.9								
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	31.9	58.2								
Subtotal (Section NETW-10,11, Craigflower PS)																				
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	119.0	153.2								
Subtotal (Section NET-W12)																				
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	116.0	148.6								
Subtotal (Section NET-W13)																				
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	81.0	92.1								
Subtotal (Section NET-W14)																				

NWT-W Estimated Wastewater Flows
Year = 2005, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	33.4	60.7									
Subtotal (Section NWT-W1)																					
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	57.0	114.1									
Subtotal (Section NWT-W2)																					
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)																					
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.2									
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	12.7	38.7									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.8	3.8									
Subtotal (Section NWT-W4)																					
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	92.0	103.5									
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	4.8	14.9									
Subtotal (Section NET-W5)																					
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.7	12.1									
Subtotal (Section NET-W6)																					
View Royal	I/U/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	7.0	15.8									
Subtotal (Section NET-W7,8)																					
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	62.0	96.2									
Subtotal (Section NETW-9)																					
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	26.9	45.5									
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	7.9	12.6									
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	34.7	61.0									
Subtotal (Section NETW-10,11, Craigflower PS)																					
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	139.0	173.2									
Subtotal (Section NET-W12)																					
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	136.0	168.6									
Subtotal (Section NET-W13)																					
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	95.0	106.1									
Subtotal (Section NET-W14)																					

NWT-W Estimated Wastewater Flows
Year = 2015, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	223	7143	3796	10939	395.0	28.2	2.33	65.9	59.0	124.8									
Subtotal (Section NWT-W1)							10939	395.0	28.2		65.9	59.0	124.8	395.0	10939	28.2	2.33	65.9	59.0	124.8	2,842
Langford	Langford North	15-S135-3-SMH6	223	17845	9483	27328	630.0	70.5	2.01	142.0	94.4	236.4									
Subtotal (Section NWT-W2)							27328	630.0	70.5		142.0	94.4	236.4	630.0	27328	70.5	2.01	142.0	94.4	236.4	6,735
Colwood	Royal Colwood GC	15-S138-4-SMH6	223	0	14	14	0.15	0.04	3.52	0.13	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.15	0.04		0.13	0.02	0.1	1025.2	38281	98.8	1.90	187.7	153.4	341.1	9,580
Colwood	Royal Roads	15-S132-1-Wye	223	462	114	576	2.3	1.5	3.15	4.7	0.3	5.0									
Colwood	600mm connection	15-S132-1-Wye	223	7559	677	8236	138.0	21.3	2.43	51.7	19.8	71.5									
Colwood	250mm connection	15-S132-1-SCO5	223	15	221	236	9.5	0.6	3.30	2.0	1.4	3.4									
Subtotal (Section NWT-W4)							9048	149.8	23.35		58.4	21.5	79.9	1174.9	47329	122.2	1.83	223.5	174.9	398.4	11,750
Colwood	DND Belmont	15-S132-1-SCO4	223	1501	0	1501	65.8	3.9	2.94	11.4	45.0	56.4									
Colwood	Colwood Corners	various	223	123	4402	4525	61	11.7	2.63	30.7	8.8	39.5									
Subtotal (Section NET-W5)							6026	126.8	15.6		42.1	53.8	95.9	1301.7	53355	137.7	1.79	246.6	228.7	475.3	13,223
Colwood	Colwood Corners	15-S117-1-SMH6	223	119	1709	1828	28.3	4.7	2.89	13.6	4.1	17.7									
Subtotal (Section NET-W6)							1828	28.3	4.7		13.6	4.1	17.7	1330.0	55183	142.4	1.78	253.5	232.7	486.3	13,660
View Royal	I/S of Parsons	15-S117-1-SMH1	223	141	1005	1146	22.3	3.0	3.01	8.9	5.3	14.2									
Subtotal (Section NET-W7,8)							1146	22.3	3.0		8.9	5.3	14.2	1352.3	56329	145.4	1.77	257.8	238.0	495.9	13,938
View Royal	View Royal PS	15-S113-1-SMH3	223	4140	1831	5971	211.9	15.4	2.54	39.1	49.1	88.2									
Subtotal (Section NETW-9)							5971	211.9	15.4		39.1	49.1	88.2	1564.2	62300	160.8	1.74	280.1	287.1	567.2	15,485
View Royal	Hospital Trunk	Craigflower PS	223	1832	944	2776	86.2	7.2	2.78	19.9	20.5	40.4									
View Royal	Southern	Craigflower PS	223	332	275	607	25.4	1.6	3.14	4.9	6.0	11.0									
View Royal	Shoreline Trunk	Craigflower PS	223	3563	638	4201	111.2	10.8	2.65	28.7	26.4	55.2									
Subtotal (Section NETW-10,11, Craigflower PS)							7585	222.8	19.6	8.57	53.6	52.9	106.5	1787.0	69885	180.4	1.71	307.7	340.0	647.8	17,403
Esquimalt	Lang Cove	Lang Cove PS	223	4126	1275	5401	97	13.9	2.57	35.8	77.0	112.8									
Subtotal (Section NET-W12)							5401	97	13.9		35.8	77.0	112.8	1884.0	75285	194.3	1.68	327.1	417.0	744.2	18,707
Esquimalt	Dockyards/Grafton	Lyall/Constance	223	1728	3600	5328	95	13.8	2.58	35.4	75.0	110.4									
Subtotal (Section NET-W13)							5328	95	13.8		35.4	75.0	110.4	1979.0	80613	208.1	1.66	346.0	492.0	838.0	19,991
Esquimalt	Kinver	Kinver Connection	223	1500	0	1500	46	3.9	2.94	11.4	50.0	61.4									
Subtotal (Section NET-W14)							1500	46	3.9		11.4	50.0	61.4	2025.0	82113	211.9	1.66	351.3	542.0	893.3	20,373

NWT-W Estimated Wastewater Flows
Year = 2015, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	223	7143	3796	10939	395.0	28.2	2.33	65.9	65.5	131.3								
Subtotal (Section NWT-W1)							10939	395.0	28.2	65.9	65.5	131.3	395.0	10939	28.2	2.33	65.9	65.5	131.3	2,842
Langford	Langford North	15-S135-3-SMH6	223	17845	9483	27328	630.0	70.5	2.01	142.0	104.9	247.0								
Subtotal (Section NWT-W2)							27328	630.0	70.5	142.0	104.9	247.0	630.0	27328	70.5	2.01	142.0	104.9	247.0	6,735
Colwood	Royal Colwood GC	15-S138-4-SMH6	223	0	14	14	0.15	0.04	3.52	0.13	0.02	0.2								
Subtotal (Section NWT-W3)							14	0.15	0.04	3.52	0.13	0.02	1025.2	38281	98.8	1.90	187.7	170.4	358.1	9,580
Colwood	Royal Roads	15-S132-1-Wye	223	462	114	576	2.3	1.5	3.15	4.7	0.4	5.0								
Colwood	600mm connection	15-S132-1-Wye	223	7559	677	8236	138.0	21.3	2.43	51.7	21.6	73.3								
Colwood	250mm connection	15-S132-1-SCO5	223	15	221	236	9.5	0.6	3.30	2.0	1.5	3.5								
Subtotal (Section NWT-W4)							9048	149.8	23.4	58.4	23.4	81.8	1174.9	47329	122.2	1.83	223.5	193.9	417.3	11,750
Colwood	DND Belmont	15-S132-1-SCO4	223	1501	0	1501	65.8	3.9	2.94	11.4	59.0	70.4								
Colwood	Colwood Corners	various	223	123	4402	4525	61	11.7	2.63	30.7	9.5	40.2								
Subtotal (Section NET-W5)							6026	126.8	15.6	42.1	68.5	110.6	1301.7	53355	137.7	1.79	246.6	262.4	509.0	13,223
Colwood	Colwood Corners	15-S117-1-SMH6	223	119	1709	1828	28.3	4.7	2.89	13.6	4.4	18.1								
Subtotal (Section NET-W6)							1828	28.3	4.7	13.6	4.4	18.1	1330.0	55183	142.4	1.78	253.5	266.8	520.4	13,660
View Royal	I/S of Parsons	15-S117-1-SMH1	223	141	1005	1146	22.3	3.0	3.01	8.9	5.7	14.6								
Subtotal (Section NET-W7,8)							1146	22.3	3.0	8.9	5.7	14.6	1352.3	56329	145.4	1.77	257.8	272.5	530.4	13,938
View Royal	View Royal PS	15-S113-1-SMH3	223	4140	1831	5971	211.9	15.4	2.54	39.1	52.8	92.0								
Subtotal (Section NETW-9)							5971	211.9	15.4	39.1	52.8	92.0	1564.2	62300	160.8	1.74	280.1	325.4	605.4	15,485
View Royal	Hospital Trunk	Craigflower PS	223	1832	944	2776	86.2	7.2	2.78	19.9	22.0	41.9								
View Royal	Southern	Craigflower PS	223	332	275	607	25.4	1.6	3.14	4.9	6.5	11.4								
View Royal	Shoreline Trunk	Craigflower PS	223	3563	638	4201	111.2	10.8	2.65	28.7	28.4	57.2								
Subtotal (Section NETW-10,11, Craigflower PS)							7585	222.8	19.6	8.57	53.6	56.9	1787.0	69885	180.4	1.71	307.7	382.3	690.0	17,403
Esquimalt	Lang Cove	Lang Cove PS	223	4126	1275	5401	97	13.9	2.57	35.8	92.0	127.8								
Subtotal (Section NET-W12)							5401	97	13.9	35.8	92.0	127.8	1884.0	75285	194.3	1.68	327.1	474.3	801.4	18,707
Esquimalt	Dockyards/Grafton	Lyall/Constance	223	1728	3600	5328	95	13.8	2.58	35.4	90.0	125.4								
Subtotal (Section NET-W13)							5328	95	13.8	35.4	90.0	125.4	1979.0	80613	208.1	1.66	346.0	564.3	910.3	19,991
Esquimalt	Kinver	Kinver Connection	223	1500	0	1500	46	3.9	2.94	11.4	63.0	74.4								
Subtotal (Section NET-W14)							1500	46	3.9	11.4	63.0	74.4	2025.0	82113	211.9	1.66	351.3	627.3	978.6	20,373

NWT-W Estimated Wastewater Flows
Year = 2015, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	223	7143	3796	10939	395.0	28.2	2.33	65.9	71.2	137.1								
Subtotal (Section NWT-W1)				17845	9483	10939	395.0	28.2		65.9	71.2	137.1	395.0	10939	28.2	2.33	65.9	71.2	137.1	2,842
Langford	Langford North	15-S135-3-SMH6	223	17845	9483	27328	630.0	70.5	2.01	142.0	114.2	256.2								
Subtotal (Section NWT-W2)						27328	630.0	70.5		142.0	114.2	256.2	630.0	27328	70.5	2.01	142.0	114.2	256.2	6,735
Colwood	Royal Colwood GC	15-S138-4-SMH6	223	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.15	0.04		0.13	0.03	0.2	1025.2	38281	98.8	1.90	187.7	185.4	373.1	9,580
Colwood	Royal Roads	15-S132-1-Wye	223	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	223	7559	677	8236	138.0	21.3	2.43	51.7	23.4	75.0								
Colwood	250mm connection	15-S132-1-SCO5	223	15	221	236	9.5	0.6	3.30	2.0	1.6	3.6								
Subtotal (Section NWT-W4)						9048	149.8	23.4		58.4	25.4	83.7	1174.9	47329	122.2	1.83	223.5	210.8	434.3	11,750
Colwood	DND Belmont	15-S132-1-SCO4	223	1501	0	1501	65.8	3.9	2.94	11.4	67.0	78.4								
Colwood	Colwood Corners	various	223	123	4402	4525	61	11.7	2.63	30.7	10.3	41.0								
Subtotal (Section NET-W5)						6026	126.8	15.6		42.1	77.3	119.4	1301.7	53355	137.7	1.79	246.6	288.1	534.7	13,223
Colwood	Colwood Corners	15-S117-1-SMH6	223	119	1709	1828	28.3	4.7	2.89	13.6	4.8	18.4								
Subtotal (Section NET-W6)						1828	28.3	4.7		13.6	4.8	18.4	1330.0	55183	142.4	1.78	253.5	292.9	546.5	13,660
View Royal	I/S of Parsons	15-S117-1-SMH1	223	141	1005	1146	22.3	3.0	3.01	8.9	6.0	15.0								
Subtotal (Section NET-W7,8)						1146	22.3	3.0		8.9	6.0	15.0	1352.3	56329	145.4	1.77	257.8	299.0	556.8	13,938
View Royal	View Royal PS	15-S113-1-SMH3	223	4140	1831	5971	211.9	15.4	2.54	39.1	56.1	95.3								
Subtotal (Section NETW-9)						5971	211.9	15.4		39.1	56.1	95.3	1564.2	62300	160.8	1.74	280.1	355.1	635.2	15,485
View Royal	Hospital Trunk	Craigflower PS	223	1832	944	2776	86.2	7.2	2.78	19.9	23.4	43.3								
View Royal	Southern	Craigflower PS	223	332	607	25.4	1.6	3.14	4.9	6.9	11.8									
View Royal	Shoreline Trunk	Craigflower PS	223	3563	638	4201	111.2	10.8	2.65	28.7	30.2	58.9								
Subtotal (Section NETW-10,11, Craigflower PS)						7585	222.8	19.6	8.57	53.6	60.4	114.0	1787.0	69885	180.4	1.71	307.7	415.5	723.3	17,403
Esquimalt	Lang Cove	Lang Cove PS	223	4126	1275	5401	97	13.9	2.57	35.8	100.0	135.8								
Subtotal (Section NET-W12)						5401	97	13.9		35.8	100.0	135.8	1884.0	75285	194.3	1.68	327.1	515.5	842.7	18,707
Esquimalt	Dockyards/Grafton	Lyall/Constance	223	1728	3600	5328	95	13.8	2.58	35.4	98.0	133.4								
Subtotal (Section NET-W13)						5328	95	13.8		35.4	98.0	133.4	1979.0	80613	208.1	1.66	346.0	613.5	959.6	19,991
Esquimalt	Kinver	Kinver Connection	223	1500	0	1500	46	3.9	2.94	11.4	71.0	82.4								
Subtotal (Section NET-W14)						1500	46	3.9		11.4	71.0	82.4	2025.0	82113	211.9	1.66	351.3	684.5	1035.8	20,373

NWT-W Estimated Wastewater Flows
Year = 2015, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	223	7143	3796	10939	395.0	28.2	2.33	65.9	75.4	141.3								
Subtotal (Section NWT-W1)				17845	9483	10939	395.0	28.2		65.9	75.4	141.3	395.0	10939	28.2	2.33	65.9	75.4	141.3	2,842
Langford	Langford North	15-S135-3-SMH6	223	17845	9483	27328	630.0	70.5	2.01	142.0	121.0	263.1								
Subtotal (Section NWT-W2)						27328	630.0	70.5		142.0	121.0	263.1	630.0	27328	70.5	2.01	142.0	121.0	263.1	6,735
Colwood	Royal Colwood GC	15-S138-4-SMH6	223	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.15	0.04		0.13	0.03	0.2	1025.2	38281	98.8	1.90	187.7	196.5	384.1	9,580
Colwood	Royal Roads	15-S132-1-Wye	223	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	223	7559	677	8236	138.0	21.3	2.43	51.7	24.3	75.9								
Colwood	250mm connection	15-S132-1-SCO5	223	15	221	236	9.5	0.6	3.30	2.0	1.7	3.7								
Subtotal (Section NWT-W4)						9048	149.8	23.4		58.4	26.3	84.7	1174.9	47329	122.2	1.83	223.5	222.8	446.3	11,750
Colwood	DND Belmont	15-S132-1-SCO4	223	1501	0	1501	65.8	3.9	2.94	11.4	77.0	88.4								
Colwood	Colwood Corners	various	223	123	4402	4525	61	11.7	2.63	30.7	10.7	41.4								
Subtotal (Section NET-W5)						6026	126.8	15.6		42.1	87.7	129.8	1301.7	53355	137.7	1.79	246.6	310.5	557.1	13,223
Colwood	Colwood Corners	15-S117-1-SMH6	223	119	1709	1828	28.3	4.7	2.89	13.6	5.0	18.6								
Subtotal (Section NET-W6)						1828	28.3	4.7		13.6	5.0	18.6	1330.0	55183	142.4	1.78	253.5	315.5	569.0	13,660
View Royal	I/S of Parsons	15-S117-1-SMH1	223	141	1005	1146	22.3	3.0	3.01	8.9	6.4	15.3								
Subtotal (Section NET-W7,8)						1146	22.3	3.0		8.9	6.4	15.3	1352.3	56329	145.4	1.77	257.8	321.9	579.7	13,938
View Royal	View Royal PS	15-S113-1-SMH3	223	4140	1831	5971	211.9	15.4	2.54	39.1	59.4	98.5								
Subtotal (Section NETW-9)						5971	211.9	15.4		39.1	59.4	98.5	1564.2	62300	160.8	1.74	280.1	381.2	661.3	15,485
View Royal	Hospital Trunk	Craigflower PS	223	1832	944	2776	86.2	7.2	2.78	19.9	24.7	44.6								
View Royal	Southern	Craigflower PS	223	332	607	25.4	1.6	3.14	4.9	7.3	12.2									
View Royal	Shoreline Trunk	Craigflower PS	223	3563	638	4201	111.2	10.8	2.65	28.7	31.9	60.7								
Subtotal (Section NETW-10,11, Craigflower PS)						7585	222.8	19.6	8.57	53.6	63.9	117.5	1787.0	69885	180.4	1.71	307.7	445.2	752.9	17,403
Esquimalt	Lang Cove	Lang Cove PS	223	4126	1275	5401	97	13.9	2.57	35.8	119.0	154.8								
Subtotal (Section NET-W12)						5401	97	13.9		35.8	119.0	154.8	1884.0	75285	194.3	1.68	327.1	564.2	891.3	18,707
Esquimalt	Dockyards/Grafton	Lyall/Constance	223	1728	3600	5328	95	13.8	2.58	35.4	116.0	151.4								
Subtotal (Section NET-W13)						5328	95	13.8		35.4	116.0	151.4	1979.0	80613	208.1	1.66	346.0	680.2	1026.2	19,991
Esquimalt	Kinver	Kinver Connection	223	1500	0	1500	46	3.9	2.94	11.4	81.0	92.4								
Subtotal (Section NET-W14)						1500	46	3.9		11.4	81.0	92.4	2025.0	82113	211.9	1.66	351.3	761.2	1112.5	20,373

NWT-W Estimated Wastewater Flows
Year = 2015, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	223	7143	3796	10939	395.0	28.2	2.33	65.9	82.3	148.2									
Subtotal (Section NWT-W1)				17845	9483	10939	395.0	28.2		65.9	82.3	148.2	395.0	10939	28.2	2.33	65.9	82.3	148.2	2,842	
Langford	Langford North	15-S135-3-SMH6	223	17845	9483	27328	630.0	70.5	2.01	142.0	132.2	274.2									
Subtotal (Section NWT-W2)						27328	630.0	70.5		142.0	132.2	274.2	630.0	27328	70.5	2.01	142.0	132.2	274.2	6,735	
Colwood	Royal Colwood GC	15-S138-4-SMH6	223	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)						14	0.15	0.04		0.13	0.03	0.2	1025.2	38281	98.8	1.90	187.7	214.5	402.2	9,580	
Colwood	Royal Roads	15-S132-1-Wye	223	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	223	7559	677	8236	138.0	21.3	2.43	51.7	26.0	77.7									
Colwood	250mm connection	15-S132-1-SCO5	223	15	221	236	9.5	0.6	3.30	2.0	1.8	3.8									
Subtotal (Section NWT-W4)						9048	149.8	23.4		58.4	28.2	86.6	1174.9	47329	122.2	1.83	223.5	242.7	466.2	11,750	
Colwood	DND Belmont	15-S132-1-SCO4	223	1501	0	1501	65.8	3.9	2.94	11.4	92.0	103.4									
Colwood	Colwood Corners	various	223	123	4402	4525	61	11.7	2.63	30.7	11.5	42.2									
Subtotal (Section NET-W5)						6026	126.8	15.6		42.1	103.5	145.6	1301.7	53355	137.7	1.79	246.6	346.2	592.8	13,223	
Colwood	Colwood Corners	15-S117-1-SMH6	223	119	1709	1828	28.3	4.7	2.89	13.6	5.3	19.0									
Subtotal (Section NET-W6)						1828	28.3	4.7		13.6	5.3	19.0	1330.0	55183	142.4	1.78	253.5	351.6	605.1	13,660	
View Royal	I/S of Parsons	15-S117-1-SMH1	223	141	1005	1146	22.3	3.0	3.01	8.9	7.0	15.9									
Subtotal (Section NET-W7,8)						1146	22.3	3.0		8.9	7.0	15.9	1352.3	56329	145.4	1.77	257.8	358.5	616.4	13,938	
View Royal	View Royal PS	15-S113-1-SMH3	223	4140	1831	5971	211.9	15.4	2.54	39.1	64.5	103.6									
Subtotal (Section NETW-9)						5971	211.9	15.4		39.1	64.5	103.6	1564.2	62300	160.8	1.74	280.1	423.0	703.0	15,485	
View Royal	Hospital Trunk	Craigflower PS	223	1832	944	2776	86.2	7.2	2.78	19.9	26.9	46.8									
View Royal	Southern	Craigflower PS	223	332	607	25.4	1.6	3.14	4.9	7.9	12.8										
View Royal	Shoreline Trunk	Craigflower PS	223	3563	638	4201	111.2	10.8	2.65	28.7	34.7	63.4									
Subtotal (Section NETW-10,11, Craigflower PS)						7585	222.8	19.6		8.57	53.6	69.5	123.0	1787.0	69885	180.4	1.71	307.7	492.4	800.2	17,403
Esquimalt	Lang Cove	Lang Cove PS	223	4126	1275	5401	97	13.9	2.57	35.8	139.0	174.8									
Subtotal (Section NET-W12)						5401	97	13.9		35.8	139.0	174.8	1884.0	75285	194.3	1.68	327.1	631.4	958.6	18,707	
Esquimalt	Dockyards/Grafton	Lyall/Constance	223	1728	3600	5328	95	13.8	2.58	35.4	136.0	171.4									
Subtotal (Section NET-W13)						5328	95	13.8		35.4	136.0	171.4	1979.0	80613	208.1	1.66	346.0	767.4	1113.4	19,991	
Esquimalt	Kinver	Kinver Connection	223	1500	0	1500	46	3.9	2.94	11.4	95.0	106.4									
Subtotal (Section NET-W14)						1500	46	3.9		11.4	95.0	106.4	2025.0	82113	211.9	1.66	351.3	862.4	1213.7	20,373	

NWT-W Estimated Wastewater Flows
Year = 2030, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	206	22132	11761	33893	875.0	80.8	1.94	156.8	128.0	284.7									
Subtotal (Section NWT-W1)							33893	875.0	80.8		156.8	128.0	284.7	875.0	33893	80.8	1.94	156.8	128.0	284.7	7,873
Langford	Langford North	15-S135-3-SMH6	206	26540	14104	40644	977.0	96.9	1.88	182.1	144.2	326.4									
Subtotal (Section NWT-W2)							40644	977.0	96.9		182.1	144.2	326.4	977.0	40644	96.9	1.88	182.1	144.2	326.4	9,367
Colwood	Royal Colwood GC	15-S138-4-SMH6	206	0	14	14	0.15	0.03	3.52	0.12	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03		0.12	0.02	0.1	1852.2	74551	177.7	1.69	299.8	272.2	572.0	17,243
Colwood	Royal Roads	15-S132-1-Wye	206	462	114	576	2.3	1.4	3.15	4.3	0.3	4.7									
Colwood	600mm connection	15-S132-1-Wye	206	22722	3146	25868	385.5	61.7	2.03	125.4	55.4	180.8									
Colwood	250mm connection	15-S132-1-SCO5	206	15	221	236	9.5	0.6	3.30	1.9	1.4	3.2									
Subtotal (Section NWT-W4)							26680	397.3	63.6		131.6	57.1	188.6	2249.4	101231	241.4	1.60	385.3	329.3	714.6	23,143
Colwood	DND Belmont	15-S132-1-SCO4	206	1501	0	1501	65.8	3.6	2.94	10.5	45.0	55.5									
Colwood	Colwood Corners	various	206	123	4402	4525	61	10.8	2.63	28.4	8.8	37.1									
Subtotal (Section NET-W5)							6026	126.8	14.4		38.9	53.8	92.7	2376.2	107257	255.7	1.58	404.1	383.1	787.2	24,514
Colwood	Colwood Corners	15-S117-1-SMH6	206	119	1709	1828	28.3	4.4	2.89	12.6	4.1	16.7									
Subtotal (Section NET-W6)							1828	28.3	4.4		12.6	4.1	16.7	2404.5	109085	260.1	1.58	409.7	387.1	796.9	24,919
View Royal	I/S of Parsons	15-S117-1-SMH1	206	1217	1005	2222	33.7	5.3	2.84	15.0	6.9	22.0									
Subtotal (Section NET-W7,8)							2222	33.7	5.3		15.0	6.9	22.0	2438.2	111307	265.4	1.57	416.6	394.1	810.7	25,411
View Royal	View Royal PS	15-S113-1-SMH3	206	4526	7434	11961	265	28.5	2.30	65.6	56.7	122.4									
Subtotal (Section NETW-9)							11961	265	28.5		65.6	56.7	122.4	2703.2	123268	293.9	1.54	453.1	450.8	903.9	28,145
View Royal	Hospital Trunk	Craigflower PS	206	2143	1182	3325	86.2	7.9	2.72	21.6	20.5	42.1									
View Royal	Southern	Craigflower PS	206	389	344	733	25.4	1.7	3.11	5.4	6.0	11.5									
View Royal	Shoreline Trunk	Craigflower PS	206	4237	494	4731	111.2	11.3	2.61	29.5	26.4	55.9									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	21.0	8.44	56.5	52.9	109.4	2926.0	132057	314.9	1.52	479.5	503.7	983.2	30,182
Esquimalt	Lang Cove	Lang Cove PS	206	5187	1438	6624	97	15.8	2.50	39.5	77.0	116.5									
Subtotal (Section NET-W12)							6624	97	15.8		39.5	77.0	116.5	3023.0	138681	330.7	1.51	499.3	580.7	1079.9	31,646
Esquimalt	Dockyards/Grafton	Lvall/Constance	206	2092	4125	6217	95	14.8	2.52	37.4	75.0	112.4									
Subtotal (Section NET-W13)							6217	95	14.8		37.4	75.0	112.4	3118.0	144898	345.5	1.50	517.6	655.7	1173.3	33,023
Esquimalt	Kinver	Kinver Connection	206	1590	0	1590	46	3.8	2.93	11.1	50.0	61.1									
Subtotal (Section NET-W14)							1590	46	3.8		11.1	50.0	61.1	3164.0	146488	349.3	1.50	522.3	705.7	1228.0	33,398

NWT-W Estimated Wastewater Flows
Year = 2030, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	206	22132	11761	33893	875.0	80.8	1.94	156.8	140.6	297.4									
Subtotal (Section NWT-W1)							33893	875.0	80.8		156.8	140.6	297.4	875.0	33893	80.8	1.94	156.8	140.6	297.4	7,873
Langford	Langford North	15-S135-3-SMH6	206	26540	14104	40644	977.0	96.9	1.88	182.1	159.2	341.4									
Subtotal (Section NWT-W2)							40644	977.0	96.9		182.1	159.2	341.4	977.0	40644	96.9	1.88	182.1	159.2	341.4	9,367
Colwood	Royal Colwood GC	15-S138-4-SMH6	206	0	14	14	0.15	0.03	3.52	0.12	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03		0.12	0.02	0.1	1852.2	74551	177.7	1.69	299.8	299.9	599.6	17,233
Colwood	Royal Roads	15-S132-1-Wye	206	462	114	576	2.3	1.4	3.15	4.3	0.4	4.7									
Colwood	600mm connection	15-S132-1-Wye	206	22722	3146	25868	385.5	61.7	2.03	125.4	60.3	185.7									
Colwood	250mm connection	15-S132-1-SCO5	206	15	221	236	9.5	0.6	3.30	1.9	1.5	3.3									
Subtotal (Section NWT-W4)							26680	397.3	63.6		131.6	62.2	193.7	2249.4	101231	241.4	1.60	385.3	362.0	747.4	23,143
Colwood	DND Belmont	15-S132-1-SCO4	206	1501	0	1501	65.8	3.6	2.94	10.5	59.0	69.5									
Colwood	Colwood Corners	various	206	123	4402	4525	61	10.8	2.63	28.4	9.5	37.9									
Subtotal (Section NET-W5)							6026	126.8	14.4		38.9	68.5	107.4	2376.2	107257	255.7	1.58	404.1	430.6	834.7	24,514
Colwood	Colwood Corners	15-S117-1-SMH6	206	119	1709	1828	28.3	4.4	2.89	12.6	4.4	17.0									
Subtotal (Section NET-W6)							1828	28.3	4.4		12.6	4.4	17.0	2404.5	109085	260.1	1.58	409.7	435.0	844.7	24,919
View Royal	I/S of Parsons	15-S117-1-SMH1	206	1217	1005	2222	33.7	5.3	2.84	15.0	7.5	22.5									
Subtotal (Section NET-W7,8)							2222	33.7	5.3		15.0	7.5	22.5	2438.2	111307	265.4	1.57	416.6	442.5	859.1	25,411
View Royal	View Royal PS	15-S113-1-SMH3	206	4526	7434	11961	265	28.5	2.30	65.6	61.2	126.8									
Subtotal (Section NETW-9)							11961	265	28.5		65.6	61.2	126.8	2703.2	123268	293.9	1.54	453.1	503.6	956.7	28,145
View Royal	Hospital Trunk	Craigflower PS	206	2143	1182	3325	86.2	7.9	2.72	21.6	22.0	43.6									
View Royal	Southern	Craigflower PS	206	389	344	733	25.4	1.7	3.11	5.4	6.5	11.9									
View Royal	Shoreline Trunk	Craigflower PS	206	4237	494	4731	111.2	11.3	2.61	29.5	28.4	57.9									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	0.0	8.44	56.5	56.9	113.4	2926.0	132057	293.9	1.52	447.6	560.6	1008.2	28,372
Esquimalt	Lang Cove	Lang Cove PS	206	5187	1438	6624	97	15.8	2.50	39.5	92.0	131.5									
Subtotal (Section NET-W12)							6624	97	15.8		39.5	92.0	131.5	3023.0	138681	309.7	1.51	467.6	652.6	1120.2	29,835
Esquimalt	Dockyards/Grafton	Lyall/Constance	206	2092	4125	6217	95	14.8	2.52	37.4	90.0	127.4									
Subtotal (Section NET-W13)							6217	95	14.8		37.4	90.0	127.4	3118.0	144898	324.5	1.50	486.3	742.6	1228.8	31,213
Esquimalt	Kinver	Kinver Connection	206	1590	0	1590	46	3.8	2.93	11.1	63.0	74.1									
Subtotal (Section NET-W14)							1590	46	3.8		11.1	63.0	74.1	3164.0	146488	328.3	1.50	491.0	805.6	1296.6	31,587

NWT-W Estimated Wastewater Flows
Year = 2030, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	206	22132	11761	33893	875.0	80.8	1.94	156.8	152.5	309.3									
Subtotal (Section NWT-W1)							33893	875.0	80.8		156.8	152.5	309.3	875.0	33893	80.8	1.94	156.8	152.5	309.3	7,873
Langford	Langford North	15-S135-3-SMH6	206	26540	14104	40644	977.0	96.9	1.88	182.1	172.9	355.1									
Subtotal (Section NWT-W2)							40644	977.0	96.9		182.1	172.9	355.1	977.0	40644	96.9	1.88	182.1	172.9	355.1	9,367
Colwood	Royal Colwood GC	15-S138-4-SMH6	206	0	14	14	0.15	0.03	3.52	0.12	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03		0.12	0.03	0.1	1852.2	74551	177.7	1.69	299.8	325.5	625.3	17,233
Colwood	Royal Roads	15-S132-1-Wye	206	462	114	576	2.3	1.4	3.15	4.3	0.4	4.7									
Colwood	600mm connection	15-S132-1-Wye	206	22722	3146	25868	385.5	61.7	2.03	125.4	65.3	190.6									
Colwood	250mm connection	15-S132-1-SCO5	206	15	221	236	9.5	0.6	3.30	1.9	1.6	3.5									
Subtotal (Section NWT-W4)							26680	397.3	63.6		131.6	67.3	196.8	2249.4	101231	241.4	1.60	385.3	392.8	778.1	23,143
Colwood	DND Belmont	15-S132-1-SCO4	206	1501	0	1501	65.8	3.6	2.94	10.5	67.0	77.5									
Colwood	Colwood Corners	various	206	123	4402	4525	61	10.8	2.63	28.4	10.3	38.7									
Subtotal (Section NET-W5)							6026	126.8	14.4		38.9	77.3	116.2	2376.2	107257	255.7	1.58	404.1	470.1	874.2	24,514
Colwood	Colwood Corners	15-S117-1-SMH6	206	119	1709	1828	28.3	4.4	2.89	12.6	4.8	17.4									
Subtotal (Section NET-W6)							1828	28.3	4.4		12.6	4.8	17.4	2404.5	109085	260.1	1.58	409.7	474.9	884.6	24,919
View Royal	I/S of Parsons	15-S117-1-SMH1	206	1217	1005	2222	33.7	5.3	2.84	15.0	8.0	23.0									
Subtotal (Section NET-W7,8)							2222	33.7	5.3		15.0	8.0	23.0	2438.2	111307	265.4	1.57	416.6	482.9	899.5	25,411
View Royal	View Royal PS	15-S113-1-SMH3	206	4526	7434	11961	265	28.5	2.30	65.6	65.1	130.8									
Subtotal (Section NETW-9)							11961	265	28.5		65.6	65.1	130.8	2703.2	123268	293.9	1.54	453.1	548.0	1001.1	28,145
View Royal	Hospital Trunk	Craigflower PS	206	2143	1182	3325	86.2	7.9	2.72	21.6	23.4	45.0									
View Royal	Southern	Craigflower PS	206	389	344	733	25.4	1.7	3.11	5.4	6.9	12.3									
View Royal	Shoreline Trunk	Craigflower PS	206	4237	494	4731	111.2	11.3	2.61	29.5	30.2	59.6									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	0.0	8.44	56.5	60.4	116.9	2926.0	132057	293.9	1.52	447.6	608.4	1056.0	28,372
Esquimalt	Lang Cove	Lang Cove PS	206	5187	1438	6624	97	15.8	2.50	39.5	100.0	139.5									
Subtotal (Section NET-W12)							6624	97	15.8		39.5	100.0	139.5	3023.0	138681	309.7	1.51	467.6	708.4	1176.0	29,835
Esquimalt	Dockyards/Grafton	Lyall/Constance	206	2092	4125	6217	95	14.8	2.52	37.4	98.0	135.4									
Subtotal (Section NET-W13)							6217	95	14.8		37.4	98.0	135.4	3118.0	144898	324.5	1.50	486.3	806.4	1292.7	31,213
Esquimalt	Kinver	Kinver Connection	206	1590	0	1590	46	3.8	2.93	11.1	71.0	82.1									
Subtotal (Section NET-W14)							1590	46	3.8		11.1	71.0	82.1	3164.0	146488	328.3	1.50	491.0	877.4	1368.4	31,587

NWT-W Estimated Wastewater Flows
Year = 2030, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	206	22132	11761	33893	875.0	80.8	1.94	156.8	159.8	316.6									
Subtotal (Section NWT-W1)							33893	875.0	80.8		156.8	159.8	316.6	875.0	33893	80.8	1.94	156.8	159.8	316.6	7,873
Langford	Langford North	15-S135-3-SMH6	206	26540	14104	40644	977.0	96.9	1.88	182.1	182.0	364.1									
Subtotal (Section NWT-W2)							40644	977.0	96.9		182.1	182.0	364.1	977.0	40644	96.9	1.88	182.1	182.0	364.1	9,367
Colwood	Royal Colwood GC	15-S138-4-SMH6	206	0	14	14	0.15	0.03	3.52	0.12	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03		0.12	0.03	0.1	1852.2	74551	177.7	1.69	299.8	341.8	641.6	17,233
Colwood	Royal Roads	15-S132-1-Wye	206	462	114	576	2.3	1.4	3.15	4.3	0.4	4.7									
Colwood	600mm connection	15-S132-1-Wye	206	22722	3146	25868	385.5	61.7	2.03	125.4	67.7	193.1									
Colwood	250mm connection	15-S132-1-SCO5	206	15	221	236	9.5	0.6	3.30	1.9	1.7	3.5									
Subtotal (Section NWT-W4)							26680	397.3	63.6		131.6	69.8	201.4	2249.4	101231	241.4	1.60	385.3	411.6	797.0	23,143
Colwood	DND Belmont	15-S132-1-SCO4	206	1501	0	1501	65.8	3.6	2.94	10.5	77.0	87.5									
Colwood	Colwood Corners	various	206	123	4402	4525	61	10.8	2.63	28.4	10.7	39.1									
Subtotal (Section NET-W5)							6026	126.8	14.4		38.9	87.7	126.6	2376.2	107257	255.7	1.58	404.1	499.4	903.4	24,514
Colwood	Colwood Corners	15-S117-1-SMH6	206	119	1709	1828	28.3	4.4	2.89	12.6	5.0	17.6									
Subtotal (Section NET-W6)							1828	28.3	4.4		12.6	5.0	17.6	2404.5	109085	260.1	1.58	409.7	504.3	914.1	24,919
View Royal	I/S of Parsons	15-S117-1-SMH1	206	1217	1005	2222	33.7	5.3	2.84	15.0	8.4	23.4									
Subtotal (Section NET-W7,8)							2222	33.7	5.3		15.0	8.4	23.4	2438.2	111307	265.4	1.57	416.6	512.7	929.3	25,411
View Royal	View Royal PS	15-S113-1-SMH3	206	4526	7434	11961	265	28.5	2.30	65.6	68.7	134.3									
Subtotal (Section NETW-9)							11961	265	28.5		65.6	68.7	134.3	2703.2	123268	293.9	1.54	453.1	581.4	1034.5	28,145
View Royal	Hospital Trunk	Craigflower PS	206	2143	1182	3325	86.2	7.9	2.72	21.6	24.7	46.3									
View Royal	Southern	Craigflower PS	206	389	344	733	25.4	1.7	3.11	5.4	7.3	12.7									
View Royal	Shoreline Trunk	Craigflower PS	206	4237	494	4731	111.2	11.3	2.61	29.5	31.9	61.4									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	0.0	8.44	56.5	63.9	120.4	2926.0	132057	293.9	1.52	447.6	645.4	1093.0	28,372
Esquimalt	Lang Cove	Lang Cove PS	206	5187	1438	6624	97	15.8	2.50	39.5	119.0	158.5									
Subtotal (Section NET-W12)							6624	97	15.8		39.5	119.0	158.5	3023.0	138681	309.7	1.51	467.6	764.4	1232.0	29,835
Esquimalt	Dockyards/Grafton	Lyall/Constance	206	2092	4125	6217	95	14.8	2.52	37.4	116.0	153.4									
Subtotal (Section NET-W13)							6217	95	14.8		37.4	116.0	153.4	3118.0	144898	324.5	1.50	486.3	880.4	1366.6	31,213
Esquimalt	Kinver	Kinver Connection	206	1590	0	1590	46	3.8	2.93	11.1	81.0	92.1									
Subtotal (Section NET-W14)							1590	46	3.8		11.1	81.0	92.1	3164.0	146488	328.3	1.50	491.0	961.4	1452.4	31,587

NWT-W Estimated Wastewater Flows
Year = 2030, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	206	22132	11761	33893	875.0	80.8	1.94	156.8	172.8	329.6									
Subtotal (Section NWT-W1)							33893	875.0	80.8		156.8	172.8	329.6	875.0	33893	80.8	1.94	156.8	172.8	329.6	7,873
Langford	Langford North	15-S135-3-SMH6	206	26540	14104	40644	977.0	96.9	1.88	182.1	197.6	379.7									
Subtotal (Section NWT-W2)							40644	977.0	96.9		182.1	197.6	379.7	977.0	40644	96.9	1.88	182.1	197.6	379.7	9,367
Colwood	Royal Colwood GC	15-S138-4-SMH6	206	0	14	14	0.15	0.03	3.52	0.12	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03		0.12	0.03	0.1	1852.2	74551	177.7	1.69	299.8	370.4	670.2	17,233
Colwood	Royal Roads	15-S132-1-Wye	206	462	114	576	2.3	1.4	3.15	4.3	0.4	4.8									
Colwood	600mm connection	15-S132-1-Wye	206	22722	3146	25868	385.5	61.7	2.03	125.4	72.7	198.1									
Colwood	250mm connection	15-S132-1-SCO5	206	15	221	236	9.5	0.6	3.30	1.9	1.8	3.6									
Subtotal (Section NWT-W4)							26680	397.3	63.6		131.6	74.9	206.5	2249.4	101231	241.4	1.60	385.3	445.3	830.7	23,143
Colwood	DND Belmont	15-S132-1-SCO4	206	1501	0	1501	65.8	3.6	2.94	10.5	92.0	102.5									
Colwood	Colwood Corners	various	206	123	4402	4525	61	10.8	2.63	28.4	11.5	39.9									
Subtotal (Section NET-W5)							6026	126.8	14.4		38.9	103.5	142.4	2376.2	107257	255.7	1.58	404.1	548.8	952.9	24,514
Colwood	Colwood Corners	15-S117-1-SMH6	206	119	1709	1828	28.3	4.4	2.89	12.6	5.3	17.9									
Subtotal (Section NET-W6)							1828	28.3	4.4		12.6	5.3	17.9	2404.5	109085	260.1	1.58	409.7	554.2	963.9	24,919
View Royal	I/U/S of Parsons	15-S117-1-SMH1	206	1217	1005	2222	33.7	5.3	2.84	15.0	9.1	24.1									
Subtotal (Section NET-W7,8)							2222	33.7	5.3		15.0	9.1	24.1	2438.2	111307	265.4	1.57	416.6	563.3	979.9	25,411
View Royal	View Royal PS	15-S113-1-SMH3	206	4526	7434	11961	265	28.5	2.30	65.6	74.5	140.1									
Subtotal (Section NETW-9)							11961	265	28.5		65.6	74.5	140.1	2703.2	123268	293.9	1.54	453.1	637.7	1090.8	28,145
View Royal	Hospital Trunk	Craigflower PS	206	2143	1182	3325	86.2	7.9	2.72	21.6	26.9	48.5									
View Royal	Southern	Craigflower PS	206	389	344	733	25.4	1.7	3.11	5.4	7.9	13.3									
View Royal	Shoreline Trunk	Craigflower PS	206	4237	494	4731	111.2	11.3	2.61	29.5	34.7	64.1									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	0.0	8.44	56.5	69.5	126.0	2926.0	132057	293.9	1.52	447.6	707.2	1154.8	28,372
Esquimalt	Lang Cove	Lang Cove PS	206	5187	1438	6624	97	15.8	2.50	39.5	139.0	178.5									
Subtotal (Section NET-W12)							6624	97	15.8		39.5	139.0	178.5	3023.0	138681	309.7	1.51	467.6	846.2	1313.8	29,835
Esquimalt	Dockyards/Grafton	Lvall/Constance	206	2092	4125	6217	95	14.8	2.52	37.4	136.0	173.4									
Subtotal (Section NET-W13)							6217	95	14.8		37.4	136.0	173.4	3118.0	144898	324.5	1.50	486.3	982.2	1468.5	31,213
Esquimalt	Kinver	Kinver Connection	206	1590	0	1590	46	3.8	2.93	11.1	95.0	106.1									
Subtotal (Section NET-W14)							1590	46	3.8		11.1	95.0	106.1	3164.0	146488	328.3	1.50	491.0	1077.2	1568.2	31,587

NWT-W Estimated Wastewater Flows
Year = 2045, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	195	25140	13359	38499	1002.0	86.9	1.90	164.9	146.2	311.1								
Subtotal (Section NWT-W1)						38499	1002.0	86.9		164.9	146.2	311.1	1002.0	38499	86.9	1.90	164.9	146.2	311.1	8,527
Langford	Langford North	15-S135-3-SMH6	195	35712	18978	54690	1158.0	123.4	1.78	220.1	170.3	390.3								
Subtotal (Section NWT-W2)						54690	1158.0	123.4		220.1	170.3	390.3	1158.0	54690	123.4	1.78	220.1	170.3	390.3	11,843
Colwood	Royal Colwood GC	15-S138-4-SMH6	195	0	14	14	0.15	0.03	3.52	0.11	0.02	0.1								
Subtotal (Section NWT-W3)						14	0.2	0.03		0.11	0.02	0.1	2160.2	93203	210.4	1.62	340.8	316.5	657.3	20,374
Colwood	Royal Roads	15-S132-1-Wye	195	462	114	576	2.3	1.3	3.15	4.1	0.3	4.4								
Colwood	600mm connection	15-S132-1-Wye	195	38403	5615	44018	633.0	99.3	1.85	184.1	91.0	275.1								
Colwood	250mm connection	15-S132-1-SCO5	195	15	221	236	9.5	0.5	3.30	1.8	1.4	3.1								
Subtotal (Section NWT-W4)						44829	644.8	101.2		190.0	92.6	282.6	2804.9	138032	311.5	1.51	470.8	409.1	879.9	29,772
Colwood	DND Belmont	15-S132-1-SCO4	195	1501	0	1501	65.8	3.4	2.94	10.0	45.0	55.0								
Colwood	Colwood Corners	various	195	123	4402	4525	61	10.2	2.63	26.8	8.8	35.6								
Subtotal (Section NET-W5)						6026	126.8	13.6		36.8	53.8	90.6	2931.7	144058	325.1	1.50	487.7	462.9	950.6	31,076
Colwood	Colwood Corners	15-S117-1-SMH6	195	119	1709	1828	28.3	4.1	2.89	11.9	4.1	16.0								
Subtotal (Section NET-W6)						1828	28.3	4.1		11.9	4.1	16.0	2960.0	145886	329.3	1.50	492.8	467.0	959.7	31,461
View Royal	I/S of Parsons	15-S117-1-SMH1	195	2298	1005	3303	45.1	7.5	2.73	20.3	8.6	28.9								
Subtotal (Section NET-W7,8)						3303	45.1	7.5		20.3	8.6	28.9	3005.1	149189	336.7	1.49	502.0	475.5	977.5	32,151
View Royal	View Royal PS	15-S113-1-SMH3	195	5174	13038	18212	318.1	41.1	2.15	88.6	64.4	152.9								
Subtotal (Section NETW-9)						18212	318.1	41.1		88.6	64.4	152.9	3323.2	167401	377.8	1.46	552.1	539.9	1092.0	36,026
View Royal	Hospital Trunk	Craigflower PS	195	2569	1420	3988	86.2	9.0	2.67	24.0	20.5	44.5								
View Royal	Southern	Craigflower PS	195	466	414	880	25.4	2.0	3.07	6.1	6.0	12.1								
View Royal	Shoreline Trunk	Craigflower PS	195	5134	350	5484	111.2	12.4	2.57	31.8	26.4	58.2								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	23.4		8.30	61.9	52.9	3546.0	177753	401.2	1.45	580.2	592.8	1173.0	38,272
Esquimalt	Lang Cove	Lang Cove PS	195	5880	1600	7480	97	16.9	2.46	41.6	77.0	118.6								
Subtotal (Section NET-W12)						7480	97	16.9		41.6	77.0	118.6	3643.0	185233	418.1	1.44	600.3	669.8	1270.1	39,829
Esquimalt	Dockyards/Grafton	Lyall/Constance	195	2310	4650	6960	95	15.7	2.49	39.1	75.0	114.1								
Subtotal (Section NET-W13)						6960	95	15.7		39.1	75.0	114.1	3738.0	192193	433.8	1.43	619.0	744.8	1363.8	41,283
Esquimalt	Kinver	Kinver Connection	195	1574	0	1574	46	3.6	2.93	10.4	50.0	60.4								
Subtotal (Section NET-W14)						1574	46	3.6		10.4	50.0	60.4	3784.0	193767	437.3	1.42	623.2	794.8	1418.0	41,637

NWT-W Estimated Wastewater Flows
Year = 2045, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Langford	Langford South	15S-135-2-Cap	195	25140	13359	38499	1002.0	86.9	1.90	164.9	160.5	325.4								
Subtotal (Section NWT-W1)						38499	1002.0	86.9		164.9	160.5	325.4	1002.0	38499	86.9	1.90	164.9	160.5	325.4	8,527
Langford	Langford North	15-S135-3-SMH6	195	35712	18978	54690	1158.0	123.4	1.78	220.1	187.6	407.6								
Subtotal (Section NWT-W2)						54690	1158.0	123.4		220.1	187.6	407.6	1158.0	54690	123.4	1.78	220.1	187.6	407.6	11,843
Colwood	Royal Colwood GC	15-S138-4-SMH6	195	0	14	14	0.15	0.03	3.52	0.11	0.02	0.1								
Subtotal (Section NWT-W3)						14	0.2	0.03		0.11	0.02	0.1	2160.2	93203	210.4	1.62	340.8	348.1	688.9	20,374
Colwood	Royal Roads	15-S132-1-Wye	195	462	114	576	2.3	1.3	3.15	4.1	0.4	4.5								
Colwood	600mm connection	15-S132-1-Wye	195	38403	5615	44018	633.0	99.3	1.85	184.1	99.1	283.2								
Colwood	250mm connection	15-S132-1-SCO5	195	15	221	236	9.5	0.5	3.30	1.8	1.5	3.2								
Subtotal (Section NWT-W4)						44829	644.8	101.2		190.0	100.9	290.9	2804.9	138032	311.5	1.51	470.8	449.0	919.8	29,772
Colwood	DND Belmont	15-S132-1-SCO4	195	1501	0	1501	65.8	3.4	2.94	10.0	59.0	69.0								
Colwood	Colwood Corners	various	195	123	4402	4525	61	10.2	2.63	26.8	9.5	36.4								
Subtotal (Section NET-W5)						6026	126.8	13.6		36.8	68.5	105.4	2931.7	144058	325.1	1.50	487.7	517.5	1005.2	31,076
Colwood	Colwood Corners	15-S117-1-SMH6	195	119	1709	1828	28.3	4.1	2.89	11.9	4.4	16.4								
Subtotal (Section NET-W6)						1828	28.3	4.1		11.9	4.4	16.4	2960.0	145886	329.3	1.50	492.8	522.0	1014.7	31,461
View Royal	I/S of Parsons	15-S117-1-SMH1	195	2298	1005	3303	45.1	7.5	2.73	20.3	9.3	29.6								
Subtotal (Section NET-W7,8)						3303	45.1	7.5		20.3	9.3	29.6	3005.1	149189	336.7	1.49	502.0	531.2	1033.2	32,151
View Royal	View Royal PS	15-S113-1-SMH3	195	5174	13038	18212	318.1	41.1	2.15	88.6	69.5	158.0								
Subtotal (Section NETW-9)						18212	318.1	41.1		88.6	69.5	158.0	3323.2	167401	377.8	1.46	552.1	600.7	1152.8	36,026
View Royal	Hospital Trunk	Craigflower PS	195	2569	1420	3988	86.2	9.0	2.67	24.0	22.0	46.0								
View Royal	Southern	Craigflower PS	195	466	414	880	25.4	2.0	3.07	6.1	6.5	12.6								
View Royal	Shoreline Trunk	Craigflower PS	195	5134	350	5484	111.2	12.4	2.57	31.8	28.4	60.2								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	23.4		8.30	61.9	118.8	3546.0	177753	401.2	1.45	580.2	657.6	1237.8	38,272
Esquimalt	Lang Cove	Lang Cove PS	195	5880	1600	7480	97	16.9	2.46	41.6	92.0	133.6								
Subtotal (Section NET-W12)						7480	97	16.9		41.6	92.0	133.6	3643.0	185233	418.1	1.44	600.3	749.6	1349.9	39,829
Esquimalt	Dockyards/Grafton	Lyall/Constance	195	2310	4650	6960	95	15.7	2.49	39.1	90.0	129.1								
Subtotal (Section NET-W13)						6960	95	15.7		39.1	90.0	129.1	3738.0	192193	433.8	1.43	619.0	839.6	1458.6	41,283
Esquimalt	Kinver	Kinver Connection	195	1574	0	1574	46	3.6	2.93	10.4	63.0	73.4								
Subtotal (Section NET-W14)						1574	46	3.6		10.4	63.0	73.4	3784.0	193767	437.3	1.42	623.2	902.6	1525.8	41,637

NWT-W Estimated Wastewater Flows
Year = 2045, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Langford	Langford South	15S-135-2-Cap	195	25140	13359	38499	1002.0	86.9	1.90	164.9	174.0	338.9								
Subtotal (Section NWT-W1)						38499	1002.0	86.9		164.9	174.0	338.9	1002.0	38499	86.9	1.90	164.9	174.0	338.9	8,527
Langford	Langford North	15-S135-3-SMH6	195	35712	18978	54690	1158.0	123.4	1.78	220.1	203.6	423.7								
Subtotal (Section NWT-W2)						54690	1158.0	123.4		220.1	203.6	423.7	1158.0	54690	123.4	1.78	220.1	203.6	423.7	11,843
Colwood	Royal Colwood GC	15-S138-4-SMH6	195	0	14	14	0.15	0.03	3.52	0.11	0.03	0.1								
Subtotal (Section NWT-W3)						14	0.2	0.03		0.11	0.03	0.1	2160.2	93203	210.4	1.62	340.8	377.7	718.5	20,374
Colwood	Royal Roads	15-S132-1-Wye	195	462	114	576	2.3	1.3	3.15	4.1	0.4	4.5								
Colwood	600mm connection	15-S132-1-Wye	195	38403	5615	44018	633.0	99.3	1.85	184.1	107.2	291.3								
Colwood	250mm connection	15-S132-1-SCO5	195	15	221	236	9.5	0.5	3.30	1.8	1.6	3.4								
Subtotal (Section NWT-W4)						44829	644.8	101.2		190.0	109.2	299.1	2804.9	138032	311.5	1.51	470.8	486.8	957.6	29,772
Colwood	DND Belmont	15-S132-1-SCO4	195	1501	0	1501	65.8	3.4	2.94	10.0	67.0	77.0								
Colwood	Colwood Corners	various	195	123	4402	4525	61	10.2	2.63	26.8	10.3	37.2								
Subtotal (Section NET-W5)						6026	126.8	13.6		36.8	77.3	114.1	2931.7	144058	325.1	1.50	487.7	564.2	1051.8	31,076
Colwood	Colwood Corners	15-S117-1-SMH6	195	119	1709	1828	28.3	4.1	2.89	11.9	4.8	16.7								
Subtotal (Section NET-W6)						1828	28.3	4.1		11.9	4.8	16.7	2960.0	145886	329.3	1.50	492.8	569.0	1061.7	31,461
View Royal	I/S of Parsons	15-S117-1-SMH1	195	2298	1005	3303	45.1	7.5	2.73	20.3	9.9	30.2								
Subtotal (Section NET-W7,8)						3303	45.1	7.5		20.3	9.9	30.2	3005.1	149189	336.7	1.49	502.0	578.9	1080.8	32,151
View Royal	View Royal PS	15-S113-1-SMH3	195	5174	13038	18212	318.1	41.1	2.15	88.6	74.1	162.7								
Subtotal (Section NETW-9)						18212	318.1	41.1		88.6	74.1	162.7	3323.2	167401	377.8	1.46	552.1	653.0	1205.1	36,026
View Royal	Hospital Trunk	Craigflower PS	195	2569	1420	3988	86.2	9.0	2.67	24.0	23.4	47.4								
View Royal	Southern	Craigflower PS	195	466	414	880	25.4	2.0	3.07	6.1	6.9	13.0								
View Royal	Shoreline Trunk	Craigflower PS	195	5134	350	5484	111.2	12.4	2.57	31.8	30.2	61.9								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	23.4		8.30	61.9	122.3	3546.0	177753	401.2	1.45	580.2	713.4	1293.6	38,272
Esquimalt	Lang Cove	Lang Cove PS	195	5880	1600	7480	97	16.9	2.46	41.6	100.0	141.6								
Subtotal (Section NET-W12)						7480	97	16.9		41.6	100.0	141.6	3643.0	185233	418.1	1.44	600.3	813.4	1413.8	39,829
Esquimalt	Dockyards/Grafton	Lyall/Constance	195	2310	4650	6960	95	15.7	2.49	39.1	98.0	137.1								
Subtotal (Section NET-W13)						6960	95	15.7		39.1	98.0	137.1	3738.0	192193	433.8	1.43	619.0	911.4	1530.4	41,283
Esquimalt	Kinver	Kinver Connection	195	1574	0	1574	46	3.6	2.93	10.4	71.0	81.4								
Subtotal (Section NET-W14)						1574	46	3.6		10.4	71.0	81.4	3784.0	193767	437.3	1.42	623.2	982.4	1605.6	41,637

NWT-W Estimated Wastewater Flows
Year = 2045, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	195	25140	13359	38499	1002.0	86.9	1.90	164.9	182.1	347.0								
Subtotal (Section NWT-W1)						38499	1002.0	86.9		164.9	182.1	347.0	1002.0	38499	86.9	1.90	164.9	182.1	347.0	8,527
Langford	Langford North	15-S135-3-SMH6	195	35712	18978	54690	1158.0	123.4	1.78	220.1	213.8	433.9								
Subtotal (Section NWT-W2)						54690	1158.0	123.4		220.1	213.8	433.9	1158.0	54690	123.4	1.78	220.1	213.8	433.9	11,843
Colwood	Royal Colwood GC	15-S138-4-SMH6	195	0	14	14	0.15	0.03	3.52	0.11	0.03	0.1								
Subtotal (Section NWT-W3)						14	0.2	0.03		0.11	0.03	0.1	2160.2	93203	210.4	1.62	340.8	395.9	736.8	20,374
Colwood	Royal Roads	15-S132-1-Wye	195	462	114	576	2.3	1.3	3.15	4.1	0.4	4.5								
Colwood	600mm connection	15-S132-1-Wye	195	38403	5615	44018	633.0	99.3	1.85	184.1	111.2	295.4								
Colwood	250mm connection	15-S132-1-SCO5	195	15	221	236	9.5	0.5	3.30	1.8	1.7	3.4								
Subtotal (Section NWT-W4)						44829	644.8	101.2		190.0	113.3	303.3	2804.9	138032	311.5	1.51	470.8	509.3	980.0	29,772
Colwood	DND Belmont	15-S132-1-SCO4	195	1501	0	1501	65.8	3.4	2.94	10.0	77.0	87.0								
Colwood	Colwood Corners	various	195	123	4402	4525	61	10.2	2.63	26.8	10.7	37.6								
Subtotal (Section NET-W5)						6026	126.8	13.6		36.8	87.7	124.5	2931.7	144058	325.1	1.50	487.7	597.0	1084.6	31,076
Colwood	Colwood Corners	15-S117-1-SMH6	195	119	1709	1828	28.3	4.1	2.89	11.9	5.0	16.9								
Subtotal (Section NET-W6)						1828	28.3	4.1		11.9	5.0	16.9	2960.0	145886	329.3	1.50	492.8	602.0	1094.7	31,461
View Royal	I/S of Parsons	15-S117-1-SMH1	195	2298	1005	3303	45.1	7.5	2.73	20.3	10.4	30.7								
Subtotal (Section NET-W7,8)						3303	45.1	7.5		20.3	10.4	30.7	3005.1	149189	336.7	1.49	502.0	612.4	1114.3	32,151
View Royal	View Royal PS	15-S113-1-SMH3	195	5174	13038	18212	318.1	41.1	2.15	88.6	78.0	166.6								
Subtotal (Section NETW-9)						18212	318.1	41.1		88.6	78.0	166.6	3323.2	167401	377.8	1.46	552.1	690.4	1242.5	36,026
View Royal	Hospital Trunk	Craigflower PS	195	2569	1420	3988	86.2	9.0	2.67	24.0	24.7	48.7								
View Royal	Southern	Craigflower PS	195	466	414	880	25.4	2.0	3.07	6.1	7.3	13.4								
View Royal	Shoreline Trunk	Craigflower PS	195	5134	350	5484	111.2	12.4	2.57	31.8	31.9	63.7								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	23.4		8.30	61.9	125.8	3546.0	177753	401.2	1.45	580.2	754.3	1334.5	38,272
Esquimalt	Lang Cove	Lang Cove PS	195	5880	1600	7480	97	16.9	2.46	41.6	119.0	160.6								
Subtotal (Section NET-W12)						7480	97	16.9		41.6	119.0	160.6	3643.0	185233	418.1	1.44	600.3	873.3	1473.7	39,829
Esquimalt	Dockyards/Grafton	Lyall/Constance	195	2310	4650	6960	95	15.7	2.49	39.1	116.0	155.1								
Subtotal (Section NET-W13)						6960	95	15.7		39.1	116.0	155.1	3738.0	192193	433.8	1.43	619.0	989.3	1608.3	41,283
Esquimalt	Kinver	Kinver Connection	195	1574	0	1574	46	3.6	2.93	10.4	81.0	91.4								
Subtotal (Section NET-W14)						1574	46	3.6		10.4	81.0	91.4	3784.0	193767	437.3	1.42	623.2	1070.3	1693.5	41,637

NWT-W Estimated Wastewater Flows
Year = 2045, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	195	25140	13359	38499	1002.0	86.9	1.90	164.9	196.7	361.6								
Subtotal (Section NWT-W1)						38499	1002.0	86.9		164.9	196.7	361.6	1002.0	38499	86.9	1.90	164.9	196.7	361.6	8,527
Langford	Langford North	15-S135-3-SMH6	195	35712	18978	54690	1158.0	123.4	1.78	220.1	231.7	451.8								
Subtotal (Section NWT-W2)						54690	1158.0	123.4		220.1	231.7	451.8	1158.0	54690	123.4	1.78	220.1	231.7	451.8	11,843
Colwood	Royal Colwood GC	15-S138-4-SMH6	195	0	14	14	0.15	0.03	3.52	0.11	0.03	0.1								
Subtotal (Section NWT-W3)						14	0.2	0.03		0.11	0.03	0.1	2160.2	93203	210.4	1.62	340.8	428.5	769.3	20,374
Colwood	Royal Roads	15-S132-1-Wye	195	462	114	576	2.3	1.3	3.15	4.1	0.4	4.5								
Colwood	600mm connection	15-S132-1-Wye	195	38403	5615	44018	633.0	99.3	1.85	184.1	119.4	303.5								
Colwood	250mm connection	15-S132-1-SCO5	195	15	221	236	9.5	0.5	3.30	1.8	1.8	3.5								
Subtotal (Section NWT-W4)						44829	644.8	101.2		190.0	121.6	311.5	2804.9	138032	311.5	1.51	470.8	550.1	1020.9	29,772
Colwood	DND Belmont	15-S132-1-SCO4	195	1501	0	1501	65.8	3.4	2.94	10.0	92.0	102.0								
Colwood	Colwood Corners	various	195	123	4402	4525	61	10.2	2.63	26.8	11.5	38.3								
Subtotal (Section NET-W5)						6026	126.8	13.6		36.8	103.5	140.3	2931.7	144058	325.1	1.50	487.7	653.6	1141.2	31,076
Colwood	Colwood Corners	15-S117-1-SMH6	195	119	1709	1828	28.3	4.1	2.89	11.9	5.3	17.3								
Subtotal (Section NET-W6)						1828	28.3	4.1		11.9	5.3	17.3	2960.0	145886	329.3	1.50	492.8	658.9	1151.7	31,461
View Royal	I/S of Parsons	15-S117-1-SMH1	195	2298	1005	3303	45.1	7.5	2.73	20.3	11.3	31.6								
Subtotal (Section NET-W7,8)						3303	45.1	7.5		20.3	11.3	31.6	3005.1	149189	336.7	1.49	502.0	670.2	1172.1	32,151
View Royal	View Royal PS	15-S113-1-SMH3	195	5174	13038	18212	318.1	41.1	2.15	88.6	84.5	173.0								
Subtotal (Section NETW-9)						18212	318.1	41.1		88.6	84.5	173.0	3323.2	167401	377.8	1.46	552.1	754.7	1306.7	36,026
View Royal	Hospital Trunk	Craigflower PS	195	2569	1420	3988	86.2	9.0	2.67	24.0	26.9	50.9								
View Royal	Southern	Craigflower PS	195	466	414	880	25.4	2.0	3.07	6.1	7.9	14.0								
View Royal	Shoreline Trunk	Craigflower PS	195	5134	350	5484	111.2	12.4	2.57	31.8	34.7	66.4								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	23.4		8.30	61.9	69.5	3546.0	177753	401.2	1.45	580.2	824.1	1404.3	38,272
Esquimalt	Lang Cove	Lang Cove PS	195	5880	1600	7480	97	16.9	2.46	41.6	139.0	180.6								
Subtotal (Section NET-W12)						7480	97	16.9		41.6	139.0	180.6	3643.0	185233	418.1	1.44	600.3	963.1	1563.5	39,829
Esquimalt	Dockyards/Grafton	Lyall/Constance	195	2310	4650	6960	95	15.7	2.49	39.1	136.0	175.1								
Subtotal (Section NET-W13)						6960	95	15.7		39.1	136.0	175.1	3738.0	192193	433.8	1.43	619.0	1099.1	1718.1	41,283
Esquimalt	Kinver	Kinver Connection	195	1574	0	1574	46	3.6	2.93	10.4	95.0	105.4								
Subtotal (Section NET-W14)						1574	46	3.6		10.4	95.0	105.4	3784.0	193767	437.3	1.42	623.2	1194.1	1817.3	41,637

NWT-W Estimated Wastewater Flows
Year = 2065, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	184	30163	16029	46192	1213.0	98.4	1.84	180.7	176.5	357.3									
Subtotal (Section NWT-W1)							46192	1213.0	98.4	180.7	176.5	357.3	1213.0	46192	98.4	1.84	180.7	176.5	357.3	9,734	
Langford	Langford North	15-S135-3-SMH6	184	51795	27525	79320	1457.0	168.9	1.67	281.7	213.2	494.9									
Subtotal (Section NWT-W2)							79320	1457.0	168.9	281.7	213.2	494.9	1457.0	79320	168.9	1.67	281.7	213.2	494.9	16,078	
Colwood	Royal Colwood GC	15-S138-4-SMH6	184	0	14	14	0.15	0.03	3.52	0.10	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03	0.10	0.02	0.1	2670.2	125526	267.3	1.54	410.8	389.8	800.5	25,815	
Colwood	Royal Roads	15-S132-1-Wye	184	651	160	811	2.3	1.7	3.09	5.3	0.3	5.7									
Colwood	600mm connection	15-S132-1-Wye	184	54148	7917	62065	867.2	132.2	1.74	230.4	124.6	355.0									
Colwood	250mm connection	15-S132-1-SCO5	184	21	312	333	9.5	0.7	3.25	2.3	1.4	3.7									
Subtotal (Section NWT-W4)							63209	879.0	134.6	238.0	126.3	364.3	3549.1	188735	401.9	1.43	575.3	516.1	1091.4	38,340	
Colwood	DND Belmont	15-S132-1-SCO4	184	2116	0	2116	65.8	4.5	2.85	12.9	45.0	57.9									
Colwood	Colwood Corners	various	184	173	6207	6380	61	13.6	2.52	34.2	8.8	43.0									
Subtotal (Section NET-W5)							8497	126.8	18.1	47.0	53.8	100.8	3675.9	197232	420.0	1.42	596.7	569.8	1166.6	40,033	
Colwood	Colwood Corners	15-S117-1-SMH6	184	168	2410	2577	28.3	5.5	2.80	15.4	4.1	19.4									
Subtotal (Section NET-W6)							2577	28.3	5.5	15.4	4.1	19.4	3704.2	199809	425.5	1.42	603.2	573.9	1177.1	40,536	
View Royal	I/S of Parsons	15-S117-1-SMH1	184	2832	1238	4070	45.1	8.7	2.66	23.1	8.6	31.6									
Subtotal (Section NET-W7,8)							4070	45.1	8.7	23.1	8.6	31.6	3749.3	203879	434.2	1.41	613.4	582.5	1195.9	41,331	
View Royal	View Royal PS	15-S113-1-SMH3	184	6377	16063	22440	318.1	47.8	2.08	99.5	64.4	163.8									
Subtotal (Section NETW-9)							22440	318.1	47.8	99.5	64.4	163.8	4067.4	226319	482.0	1.39	669.0	646.8	1315.9	45,783	
View Royal	Hospital Trunk	Craigflower PS	184	3166	1749	4915	86.2	10.5	2.60	27.2	20.5	47.7									
View Royal	Southern	Craigflower PS	184	574	510	1084	25.4	2.3	3.02	7.0	6.0	13.0									
View Royal	Shoreline Trunk	Craigflower PS	184	6327	431	6759	111.2	14.4	2.50	35.9	26.4	62.3									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	27.2	8.12	70.1	52.9	123.0	4290.2	239077	509.1	1.38	700.3	699.7	1400.0	48,358
Esquimalt	Lang Cove	Lang Cove PS	184	5999	1632	7631	97	16.3	2.46	39.9	77.0	116.9									
Subtotal (Section NET-W12)							7631	97	16.3	39.9	77.0	116.9	4387.2	246708	525.4	1.37	718.9	776.7	1495.6	49,860	
Esquimalt	Dockyards/Grafton	Lyall/Constance	184	2357	4743	7100	95	15.1	2.48	37.5	75.0	112.5									
Subtotal (Section NET-W13)							7100	95	15.1	37.5	75.0	112.5	4482.2	253807	540.5	1.36	736.1	851.7	1587.9	51,283	
Esquimalt	Kinver	Kinver Connection	184	1606	0	1606	46	3.4	2.93	10.0	50.0	60.0									
Subtotal (Section NET-W14)							1606	46	3.4	10.0	50.0	60.0	4528.2	255413	543.9	1.36	740.0	901.7	1641.7	51,606	

NWT-W Estimated Wastewater Flows
Year = 2065, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	184	30163	16029	46192	1213.0	98.4	1.84	180.7	193.5	374.3									
Subtotal (Section NWT-W1)							46192	1213.0	98.4	180.7	193.5	374.3	1213.0	46192	98.4	1.84	180.7	193.5	374.3	9,734	
Langford	Langford North	15-S135-3-SMH6	184	51795	27525	79320	1457.0	168.9	1.67	281.7	234.4	516.1									
Subtotal (Section NWT-W2)							79320	1457.0	168.9	281.7	234.4	516.1	1457.0	79320	168.9	1.67	281.7	234.4	516.1	16,078	
Colwood	Royal Colwood GC	15-S138-4-SMH6	184	0	14	14	0.15	0.03	3.52	0.10	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03	0.10	0.02	0.1	2670.2	125526	267.3	1.54	410.8	427.9	838.7	25,815	
Colwood	Royal Roads	15-S132-1-Wye	184	651	160	811	2.3	1.7	3.09	5.3	0.4	5.7									
Colwood	600mm connection	15-S132-1-Wye	184	54148	7917	62065	867.2	132.2	1.74	230.4	135.7	366.1									
Colwood	250mm connection	15-S132-1-SCO5	184	21	312	333	9.5	0.7	3.25	2.3	1.5	3.8									
Subtotal (Section NWT-W4)							63209	879.0	134.6	238.0	137.6	375.6	3549.1	188735	401.9	1.43	575.3	565.5	1140.8	38,340	
Colwood	DND Belmont	15-S132-1-SCO4	184	2116	0	2116	65.8	4.5	2.85	12.9	59.0	71.9									
Colwood	Colwood Corners	various	184	173	6207	6380	61	13.6	2.52	34.2	9.5	43.7									
Subtotal (Section NET-W5)							8497	126.8	18.1	47.0	68.5	115.6	3675.9	197232	420.0	1.42	596.7	634.0	1230.7	40,033	
Colwood	Colwood Corners	15-S117-1-SMH6	184	168	2410	2577	28.3	5.5	2.80	15.4	4.4	19.8									
Subtotal (Section NET-W6)							2577	28.3	5.5	15.4	4.4	19.8	3704.2	199809	425.5	1.42	603.2	638.4	1241.6	40,536	
View Royal	I/S of Parsons	15-S117-1-SMH1	184	2832	1238	4070	45.1	8.7	2.66	23.1	9.3	32.3									
Subtotal (Section NET-W7,8)							4070	45.1	8.7	23.1	9.3	32.3	3749.3	203879	434.2	1.41	613.4	647.7	1261.1	41,331	
View Royal	View Royal PS	15-S113-1-SMH3	184	6377	16063	22440	318.1	47.8	2.08	99.5	69.5	169.0									
Subtotal (Section NETW-9)							22440	318.1	47.8	99.5	69.5	169.0	4067.4	226319	482.0	1.39	669.0	717.2	1386.2	45,783	
View Royal	Hospital Trunk	Craigflower PS	184	3166	1749	4915	86.2	10.5	2.60	27.2	22.0	49.2									
View Royal	Southern	Craigflower PS	184	574	510	1084	25.4	2.3	3.02	7.0	6.5	13.5									
View Royal	Shoreline Trunk	Craigflower PS	184	6327	431	6759	111.2	14.4	2.50	35.9	28.4	64.3									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	27.2	8.12	70.1	56.9	127.1	4290.2	239077	509.1	1.38	700.3	774.1	1474.4	48,358
Esquimalt	Lang Cove	Lang Cove PS	184	5999	1632	7631	97	16.3	2.46	39.9	92.0	131.9									
Subtotal (Section NET-W12)							7631	97	16.3	39.9	92.0	131.9	4387.2	246708	525.4	1.37	718.9	866.1	1585.0	49,860	
Esquimalt	Dockyards/Grafton	Lyall/Constance	184	2357	4743	7100	95	15.1	2.48	37.5	90.0	127.5									
Subtotal (Section NET-W13)							7100	95	15.1	37.5	90.0	127.5	4482.2	253807	540.5	1.36	736.1	956.1	1692.2	51,283	
Esquimalt	Kinver	Kinver Connection	184	1606	0	1606	46	3.4	2.93	10.0	63.0	73.0									
Subtotal (Section NET-W14)							1606	46	3.4	10.0	63.0	73.0	4528.2	255413	543.9	1.36	740.0	1019.1	1759.1	51,606	

NWT-W Estimated Wastewater Flows
Year = 2065, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	184	30163	16029	46192	1213.0	98.4	1.84	180.7	209.8	390.5								
Subtotal (Section NWT-W1)							46192	1213.0	98.4	180.7	209.8	390.5	1213.0	46192	98.4	1.84	180.7	209.8	390.5	9,734
Langford	Langford North	15-S135-3-SMH6	184	51795	27525	79320	1457.0	168.9	1.67	281.7	254.2	536.0								
Subtotal (Section NWT-W2)							79320	1457.0	168.9	281.7	254.2	536.0	1457.0	79320	168.9	1.67	281.7	254.2	536.0	16,078
Colwood	Royal Colwood GC	15-S138-4-SMH6	184	0	14	14	0.15	0.03	3.52	0.10	0.03	0.1								
Subtotal (Section NWT-W3)							14	0.2	0.03	0.10	0.03	0.1	2670.2	125526	267.3	1.54	410.8	464.0	874.8	25,815
Colwood	Royal Roads	15-S132-1-Wye	184	651	160	811	2.3	1.7	3.09	5.3	0.4	5.7								
Colwood	600mm connection	15-S132-1-Wye	184	54148	7917	62065	867.2	132.2	1.74	230.4	146.8	377.2								
Colwood	250mm connection	15-S132-1-SCO5	184	21	312	333	9.5	0.7	3.25	2.3	1.6	3.9								
Subtotal (Section NWT-W4)							63209	879.0	134.6	238.0	148.8	386.8	3549.1	188735	401.9	1.43	575.3	612.9	1188.2	38,340
Colwood	DND Belmont	15-S132-1-SCO4	184	2116	0	2116	65.8	4.5	2.85	12.9	67.0	79.9								
Colwood	Colwood Corners	various	184	173	6207	6380	61	13.6	2.52	34.2	10.3	44.5								
Subtotal (Section NET-W5)							8497	126.8	18.1	47.0	77.3	124.4	3675.9	197232	420.0	1.42	596.7	690.2	1286.9	40,033
Colwood	Colwood Corners	15-S117-1-SMH6	184	168	2410	2577	28.3	5.5	2.80	15.4	4.8	20.2								
Subtotal (Section NET-W6)							2577	28.3	5.5	15.4	4.8	20.2	3704.2	199809	425.5	1.42	603.2	695.0	1298.2	40,536
View Royal	I/S of Parsons	15-S117-1-SMH1	184	2832	1238	4070	45.1	8.7	2.66	23.1	9.9	33.0								
Subtotal (Section NET-W7,8)							4070	45.1	8.7	23.1	9.9	33.0	3749.3	203879	434.2	1.41	613.4	704.9	1318.3	41,331
View Royal	View Royal PS	15-S113-1-SMH3	184	6377	16063	22440	318.1	47.8	2.08	99.5	74.1	173.6								
Subtotal (Section NETW-9)							22440	318.1	47.8	99.5	74.1	173.6	4067.4	226319	482.0	1.39	669.0	779.0	1448.1	45,783
View Royal	Hospital Trunk	Craigflower PS	184	3166	1749	4915	86.2	10.5	2.60	27.2	23.4	50.6								
View Royal	Southern	Craigflower PS	184	574	510	1084	25.4	2.3	3.02	7.0	6.9	13.9								
View Royal	Shoreline Trunk	Craigflower PS	184	6327	431	6759	111.2	14.4	2.50	35.9	30.2	66.1								
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	27.2	8.12	70.1	60.4	4290.2	239077	509.1	1.38	700.3	839.4	1539.8	48,358
Esquimalt	Lang Cove	Lang Cove PS	184	5999	1632	7631	97	16.3	2.46	39.9	100.0	139.9								
Subtotal (Section NET-W12)							7631	97	16.3	39.9	100.0	139.9	4387.2	246708	525.4	1.37	718.9	939.4	1658.4	49,860
Esquimalt	Dockyards/Grafton	Lyall/Constance	184	2357	4743	7100	95	15.1	2.48	37.5	98.0	135.5								
Subtotal (Section NET-W13)							7100	95	15.1	37.5	98.0	135.5	4482.2	253807	540.5	1.36	736.1	1037.4	1773.6	51,283
Esquimalt	Kinver	Kinver Connection	184	1606	0	1606	46	3.4	2.93	10.0	71.0	81.0								
Subtotal (Section NET-W14)							1606	46	3.4	10.0	71.0	81.0	4528.2	255413	543.9	1.36	740.0	1108.4	1848.5	51,606

NWT-W Estimated Wastewater Flows
Year = 2065, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	184	30163	16029	46192	1213.0	98.4	1.84	180.7	219.2	399.9									
Subtotal (Section NWT-W1)							46192	1213.0	98.4	180.7	219.2	399.9	1213.0	46192	98.4	1.84	180.7	219.2	399.9	9,734	
Langford	Langford North	15-S135-3-SMH6	184	51795	27525	79320	1457.0	168.9	1.67	281.7	266.4	548.1									
Subtotal (Section NWT-W2)							79320	1457.0	168.9	281.7	266.4	548.1	1457.0	79320	168.9	1.67	281.7	266.4	548.1	16,078	
Colwood	Royal Colwood GC	15-S138-4-SMH6	184	0	14	14	0.15	0.03	3.52	0.10	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03	0.10	0.03	0.1	2670.2	125526	267.3	1.54	410.8	485.6	896.4	25,815	
Colwood	Royal Roads	15-S132-1-Wye	184	651	160	811	2.3	1.7	3.09	5.3	0.4	5.7									
Colwood	600mm connection	15-S132-1-Wye	184	54148	7917	62065	867.2	132.2	1.74	230.4	152.4	382.8									
Colwood	250mm connection	15-S132-1-SCO5	184	21	312	333	9.5	0.7	3.25	2.3	1.7	4.0									
Subtotal (Section NWT-W4)							63209	879.0	134.6	238.0	154.5	392.5	3549.1	188735	401.9	1.43	575.3	640.1	1215.4	38,340	
Colwood	DND Belmont	15-S132-1-SCO4	184	2116	0	2116	65.8	4.5	2.85	12.9	77.0	89.9									
Colwood	Colwood Corners	various	184	173	6207	6380	61	13.6	2.52	34.2	10.7	44.9									
Subtotal (Section NET-W5)							8497	126.8	18.1	47.0	87.7	134.8	3675.9	197232	420.0	1.42	596.7	727.8	1324.5	40,033	
Colwood	Colwood Corners	15-S117-1-SMH6	184	168	2410	2577	28.3	5.5	2.80	15.4	5.0	20.3									
Subtotal (Section NET-W6)							2577	28.3	5.5	15.4	5.0	20.3	3704.2	199809	425.5	1.42	603.2	732.7	1336.0	40,536	
View Royal	I/S of Parsons	15-S117-1-SMH1	184	2832	1238	4070	45.1	8.7	2.66	23.1	10.4	33.5									
Subtotal (Section NET-W7,8)							4070	45.1	8.7	23.1	10.4	33.5	3749.3	203879	434.2	1.41	613.4	743.2	1356.5	41,331	
View Royal	View Royal PS	15-S113-1-SMH3	184	6377	16063	22440	318.1	47.8	2.08	99.5	78.0	177.5									
Subtotal (Section NETW-9)							22440	318.1	47.8	99.5	78.0	177.5	4067.4	226319	482.0	1.39	669.0	821.2	1490.2	45,783	
View Royal	Hospital Trunk	Craigflower PS	184	3166	1749	4915	86.2	10.5	2.60	27.2	24.7	52.0									
View Royal	Southern	Craigflower PS	184	574	510	1084	25.4	2.3	3.02	7.0	7.3	14.3									
View Royal	Shoreline Trunk	Craigflower PS	184	6327	431	6759	111.2	14.4	2.50	35.9	31.9	67.9									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	27.2	8.12	70.1	63.9	134.1	4290.2	239077	509.1	1.38	700.3	885.1	1585.4	48,358
Esquimalt	Lang Cove	Lang Cove PS	184	5999	1632	7631	97	16.3	2.46	39.9	119.0	158.9									
Subtotal (Section NET-W12)							7631	97	16.3	39.9	119.0	158.9	4387.2	246708	525.4	1.37	718.9	1004.1	1723.0	49,860	
Esquimalt	Dockyards/Grafton	Lyall/Constance	184	2357	4743	7100	95	15.1	2.48	37.5	116.0	153.5									
Subtotal (Section NET-W13)							7100	95	15.1	37.5	116.0	153.5	4482.2	253807	540.5	1.36	736.1	1120.1	1856.3	51,283	
Esquimalt	Kinver	Kinver Connection	184	1606	0	1606	46	3.4	2.93	10.0	81.0	91.0									
Subtotal (Section NET-W14)							1606	46	3.4	10.0	81.0	91.0	4528.2	255413	543.9	1.36	740.0	1201.1	1941.2	51,606	

NWT-W Estimated Wastewater Flows
Year = 2065, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	184	30163	16029	46192	1213.0	98.4	1.84	180.7	236.5	417.3								
Subtotal (Section NWT-W1)							46192	1213.0	98.4	180.7	236.5	417.3	1213.0	46192	98.4	1.84	180.7	236.5	417.3	9,734
Langford	Langford North	15-S135-3-SMH6	184	51795	27525	79320	1457.0	168.9	1.67	281.7	288.1	569.8								
Subtotal (Section NWT-W2)							79320	1457.0	168.9	281.7	288.1	569.8	1457.0	79320	168.9	1.67	281.7	288.1	569.8	16,078
Colwood	Royal Colwood GC	15-S138-4-SMH6	184	0	14	14	0.15	0.03	3.52	0.10	0.03	0.1								
Subtotal (Section NWT-W3)							14	0.2	0.03	0.10	0.03	0.1	2670.2	125526	267.3	1.54	410.8	524.7	935.5	25,815
Colwood	Royal Roads	15-S132-1-Wye	184	651	160	811	2.3	1.7	3.09	5.3	0.4	5.8								
Colwood	600mm connection	15-S132-1-Wye	184	54148	7917	62065	867.2	132.2	1.74	230.4	163.5	393.9								
Colwood	250mm connection	15-S132-1-SCO5	184	21	312	333	9.5	0.7	3.25	2.3	1.8	4.1								
Subtotal (Section NWT-W4)							63209	879.0	134.6	238.0	165.7	403.7	3549.1	188735	401.9	1.43	575.3	690.4	1265.7	38,340
Colwood	DND Belmont	15-S132-1-SCO4	184	2116	0	2116	65.8	4.5	2.85	12.9	80.0	92.9								
Colwood	Colwood Corners	various	184	173	6207	6380	61	13.6	2.52	34.2	11.5	45.7								
Subtotal (Section NET-W5)							8497	126.8	18.1	47.0	91.5	138.6	3675.9	197232	420.0	1.42	596.7	781.9	1378.7	40,033
Colwood	Colwood Corners	15-S117-1-SMH6	184	168	2410	2577	28.3	5.5	2.80	15.4	5.3	20.7								
Subtotal (Section NET-W6)							2577	28.3	5.5	15.4	5.3	20.7	3704.2	199809	425.5	1.42	603.2	787.3	1390.5	40,536
View Royal	I/S of Parsons	15-S117-1-SMH1	184	2832	1238	4070	45.1	8.7	2.66	23.1	11.3	34.3								
Subtotal (Section NET-W7,8)							4070	45.1	8.7	23.1	11.3	34.3	3749.3	203879	434.2	1.41	613.4	798.5	1411.9	41,331
View Royal	View Royal PS	15-S113-1-SMH3	184	6377	16063	22440	318.1	47.8	2.08	99.5	84.5	184.0								
Subtotal (Section NETW-9)							22440	318.1	47.8	99.5	84.5	184.0	4067.4	226319	482.0	1.39	669.0	883.0	1552.0	45,783
View Royal	Hospital Trunk	Craigflower PS	184	3166	1749	4915	86.2	10.5	2.60	27.2	26.9	54.1								
View Royal	Southern	Craigflower PS	184	574	510	1084	25.4	2.3	3.02	7.0	7.9	14.9								
View Royal	Shoreline Trunk	Craigflower PS	184	6327	431	6759	111.2	14.4	2.50	35.9	34.7	70.6								
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	27.2	8.12	70.1	69.5	4290.2	239077	509.1	1.38	700.3	952.4	1652.8	48,358
Esquimalt	Lang Cove	Lang Cove PS	184	5999	1632	7631	97	16.3	2.46	39.9	139.0	178.9								
Subtotal (Section NET-W12)							7631	97	16.3	39.9	139.0	178.9	4387.2	246708	525.4	1.37	718.9	1091.4	1810.4	49,860
Esquimalt	Dockyards/Grafton	Lyall/Constance	184	2357	4743	7100	95	15.1	2.48	37.5	136.0	173.5								
Subtotal (Section NET-W13)							7100	95	15.1	37.5	136.0	173.5	4482.2	253807	540.5	1.36	736.1	1227.4	1963.6	51,283
Esquimalt	Kinver	Kinver Connection	184	1606	0	1606	46	3.4	2.93	10.0	95.0	105.0								
Subtotal (Section NET-W14)							1606	46	3.4	10.0	95.0	105.0	4528.2	255413	543.9	1.36	740.0	1322.4	2062.5	51,606

Appendix F

NWT-N Design Flows using Fixture Reduction Rates

NWT-N Estimated Wastewater Flows
Year = 2005, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	293.0	576.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	293.0	576.6	2383.0	62582	163.0	1.74	283.6	293.0	576.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	125.0	266.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	125.0	266.2	3047.0	89418	232.9	1.63	380.1	418.0	798.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	286.0	355.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	13.0	21.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	26.0	34.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	325.0	411.4	3479.0	103095	268.5	1.59	427.2	743.0	1170.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	18.0	22.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	102.0	157.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	120.0	179.7	3754.0	112455	292.9	1.57	458.9	863.0	1321.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	21.0	24.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	96.0	120.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	138.0	175.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	39.0	45.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	23.0	35.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	317.0	401.1	3965.0	124360	323.9	1.54	498.5	1180.0	1678.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	136.0	176.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	136.0	176.4	4090.0	130498	339.8	1.53	518.6	1316.0	1834.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	16.0	18.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	16.0	18.6	4105.0	130807	340.6	1.53	519.7	1332.0	1851.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	429.1	648.8	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	1761.1	2427.2	45,192

NWT-N Estimated Wastewater Flows
Year = 2005, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	333.0	616.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	333.0	616.6	2383.0	62582	163.0	1.74	283.6	333.0	616.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	148.0	289.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	148.0	289.2	3047.0	89418	232.9	1.63	380.1	481.0	861.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	369.0	438.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	16.0	24.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	34.0	42.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	419.0	505.4	3479.0	103095	268.5	1.59	427.2	900.0	1327.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	22.0	26.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	124.0	179.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	146.0	205.7	3754.0	112455	292.9	1.57	458.9	1046.0	1504.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	30.0	33.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	124.0	148.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	165.0	202.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	56.0	62.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	29.0	41.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	404.0	488.1	3965.0	124360	323.9	1.54	498.5	1450.0	1948.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	171.0	211.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	171.0	211.4	4090.0	130498	339.8	1.53	518.6	1621.0	2139.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	21.0	23.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	21.0	23.6	4105.0	130807	340.6	1.53	519.7	1642.0	2161.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	504.3	724.0	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	2146.3	2812.3	45,192

NWT-N Estimated Wastewater Flows
Year = 2005, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	355.0	638.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	355.0	638.6	2383.0	62582	163.0	1.74	283.6	355.0	638.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	161.0	302.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	161.0	302.2	3047.0	89418	232.9	1.63	380.1	516.0	896.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	420.0	489.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	19.0	27.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	39.0	47.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	478.0	564.4	3479.0	103095	268.5	1.59	427.2	994.0	1421.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	24.0	28.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	137.0	192.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	161.0	220.7	3754.0	112455	292.9	1.57	458.9	1155.0	1813.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	37.0	40.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	141.0	165.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	180.0	217.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	69.0	75.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	33.0	45.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	460.0	544.1	3985.0	124360	323.9	1.54	498.5	1815.0	2113.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	193.0	233.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	193.0	233.4	4090.0	130498	339.8	1.53	518.6	1808.0	2326.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	23.0	25.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	23.0	25.6	4105.0	130807	340.6	1.53	519.7	1831.0	2350.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	551.4	771.2	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	2382.4	3048.5	45,192

NWT-N Estimated Wastewater Flows
Year = 2005, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	383.0	666.6									
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	383.0	666.6		2383.0	62582	163.0	1.74	283.6	383.0	666.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	178.0	319.2									
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	178.0	319.2		3047.0	89418	232.9	1.63	380.1	561.0	941.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	486.0	555.5									
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	22.0	30.6									
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	45.0	53.4									
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	553.0	639.4		3479.0	103095	268.5	1.59	427.2	1114.0	1541.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	26.0	30.2									
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	152.0	207.5									
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	178.0	237.7		3754.0	112455	292.9	1.57	458.9	1292.0	1750.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	46.0	49.5									
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	164.0	188.6									
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	199.0	236.2									
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	86.0	92.7									
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	38.0	50.0									
Subtotal (Section NET-N5)						11906	211	31.0		84.1	533.0	617.1		3965.0	124360	323.9	1.54	498.5	1825.0	2323.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	220.0	260.4									
Subtotal (Section NET-N6)						6138	125	16.0		40.4	220.0	260.4		4090.0	130498	339.8	1.53	518.6	2045.0	2563.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	26.0	28.6									
Subtotal (Section NET-N7)						309	15	0.8		2.6	26.0	28.6		4105.0	130807	340.6	1.53	519.7	2071.0	2590.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	623.0	842.8	11,581	
Total Macaulay													5344.0	176673	460.1	1.45	666.1	2694.0	3360.1	45,192	

NWT-N Estimated Wastewater Flows
Year = 2005, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	420.0	703.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	420.0	703.6	2383.0	62582	163.0	1.74	283.6	420.0	703.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	200.0	341.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	200.0	341.2	3047.0	89418	232.9	1.63	380.1	620.0	1000.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	581.0	650.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	26.0	34.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	54.0	62.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	661.0	747.4	3479.0	103095	268.5	1.59	427.2	1281.0	1708.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	30.0	34.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	174.0	229.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	204.0	263.7	3754.0	112455	292.9	1.57	458.9	1485.0	1943.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	61.0	64.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	196.0	220.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	225.0	262.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	115.0	121.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	46.0	58.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	643.0	727.1	3965.0	124360	323.9	1.54	498.5	2128.0	2626.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	259.0	299.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	259.0	299.4	4090.0	130498	339.8	1.53	518.6	2387.0	2905.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	31.0	33.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	31.0	33.6	4105.0	130807	340.6	1.53	519.7	2418.0	2937.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	714.2	934.0	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	3132.2	3798.3	45,192

NWT-N Estimated Wastewater Flows
Year = 2015, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		223	57695	9620	67315	2383.0	173.7	1.72	298.4	293.0	591.4								
Subtotal (Section NWT-N1)						67315	2383.0	173.7		298.4	293.0	591.4	2383.0	67315	173.7	1.72	298.4	293.0	591.4	17,437
Saanich	City Boundary		223	20288	8821	29109	664.0	75.1	1.99	149.7	125.0	274.7								
Subtotal (Section NWT-N2)						29109	664.0	75.1		149.7	125.0	274.7	3047.0	96424	248.9	1.61	400.8	418.0	818.8	24,604
Saan/Vic	Cecelia		223	6617	7381	13998	380	36.13	2.25	81.17	286.0	367.2								
Victoria	Chapman		223	985	347	1332	17	3.44	2.97	10.22	13.0	23.2								
Victoria	Gorge		223	1271	46	1317	35	3.40	2.98	10.12	26.0	36.1								
Subtotal (Section NWT-N3)						16648	432.0	42.97		101.51	325.0	426.5	3479.0	113072	291.8	1.57	456.8	743.0	1199.8	28,757
Victoria	Selkirk		223	626	0	626	14.0	1.6	3.14	5.1	18.0	23.1								
Saanich	Harriet		223	8792	696	9488	261.0	24.5	2.38	58.3	102.0	160.3								
Subtotal (Section NWT-N4)						10114	275.0	26.10		63.4	120.0	183.4	3754.0	123186	317.9	1.54	490.2	863.0	1353.2	31,292
Victoria	Langford		223	505	9	514	9	1.3	3.17	4.2	21.0	25.2								
Victoria	Hereward		223	4178	127	4305	64	11.1	2.64	29.4	96.0	125.4								
Esquimalt	Devonshire		223	4666	1144	5810	106	15.0	2.55	38.2	138.0	176.2								
Esquimalt	Wilson		223	668	208	876	17	2.3	3.07	6.9	39.0	45.9								
Victoria	Sea Terrace		223	1816	127	1943	15	5.0	2.88	14.4	23.0	37.4								
Subtotal (Section NET-N5)						13447	211	34.7		93.1	317.0	410.1	3965.0	136633	352.7	1.51	533.9	1180.0	1713.9	34,506
Esquimalt	Head		223	5200	1184	6384	125	16.5	2.52	41.5	136.0	177.5								
Subtotal (Section NET-N6)						6384	125	16.5		41.5	136.0	177.5	4090.0	143017	369.1	1.50	554.4	1316.0	1870.4	36,056
Esquimalt	Anson		223	320	0	320	15	0.8	3.25	2.7	16.0	18.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	16.0	18.7	4105.0	143336	370.0	1.50	555.4	1332.0	1887.4	36,143
Subtotal (NWT-W)													2025.0	82113	211.9	1.66	351.3	542.0	893.3	20,373
Total Macaulay													6130.0	225450	581.9	1.39	808.3	1874.0	2682.3	56,516

NWT-N Estimated Wastewater Flows
Year = 2015, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		223	57695	9620	67315	2383.0	173.7	1.72	298.4	333.0	631.4								
Subtotal (Section NWT-N1)						67315	2383.0	173.7		298.4	333.0	631.4	2383.0	67315	173.7	1.72	298.4	333.0	631.4	17,437
Saanich	City Boundary		223	20288	8821	29109	664.0	75.1	1.99	149.7	148.0	297.7								
Subtotal (Section NWT-N2)						29109	664.0	75.1		149.7	148.0	297.7	3047.0	96424	248.9	1.61	400.8	481.0	881.8	24,604
Saan/Vic	Cecelia		223	6617	7381	13998	380	36.13	2.25	81.17	369.0	450.2								
Victoria	Chapman		223	985	347	1332	17	3.44	2.97	10.22	16.0	26.2								
Victoria	Gorge		223	1271	46	1317	35	3.40	2.98	10.12	34.0	44.1								
Subtotal (Section NWT-N3)						16648	432.0	42.97		101.51	419.0	520.5	3479.0	113072	291.8	1.57	456.8	900.0	1356.8	28,757
Victoria	Selkirk		223	626	0	626	14.0	1.6	3.14	5.1	22.0	27.1								
Saanich	Harriet		223	8792	696	9488	261.0	24.5	2.38	58.3	124.0	182.3								
Subtotal (Section NWT-N4)						10114	275.0	26.10		63.4	146.0	209.4	3754.0	123186	317.9	1.54	490.2	1046.0	1536.2	31,292
Victoria	Langford		223	505	9	514	9	1.3	3.17	4.2	30.0	34.2								
Victoria	Hereward		223	4178	127	4305	64	11.1	2.64	29.4	124.0	153.4								
Esquimalt	Devonshire		223	4666	1144	5810	106	15.0	2.55	38.2	165.0	203.2								
Esquimalt	Wilson		223	668	208	876	17	2.3	3.07	6.9	56.0	62.9								
Victoria	Sea Terrace		223	1816	127	1943	15	5.0	2.88	14.4	29.0	43.4								
Subtotal (Section NET-N5)						13447	211	34.7		93.1	404.0	497.1	3965.0	136633	352.7	1.51	533.9	1450.0	1983.9	34,506
Esquimalt	Head		223	5200	1184	6384	125	16.5	2.52	41.5	171.0	212.5								
Subtotal (Section NET-N6)						6384	125	16.5		41.5	171.0	212.5	4090.0	143017	369.1	1.50	554.4	1621.0	2175.4	36,056
Esquimalt	Anson		223	320	0	320	15	0.8	3.25	2.7	21.0	23.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	21.0	23.7	4105.0	143336	370.0	1.50	555.4	1642.0	2197.4	36,143
Subtotal (NWT-W)													2025.0	82113	211.9	1.66	351.3	627.3	978.6	20,373
Total Macaulay													6130.0	225450	581.9	1.39	808.3	2269.3	3077.5	56,516

NWT-N Estimated Wastewater Flows
Year = 2015, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		223	57695	9620	67315	2383.0	173.7	1.72	298.4	355.0	653.4								
Subtotal (Section NWT-N1)						67315	2383.0	173.7		298.4	355.0	653.4	2383.0	67315	173.7	1.72	298.4	355.0	653.4	17,437
Saanich	City Boundary		223	20288	8821	29109	664.0	75.1	1.99	149.7	161.0	310.7								
Subtotal (Section NWT-N2)						29109	664.0	75.1		149.7	161.0	310.7	3047.0	96424	248.9	1.61	400.8	516.0	916.8	24,604
Saan/Vic	Cecelia		223	6617	7381	13998	380	36.13	2.25	81.17	420.0	501.2								
Victoria	Chapman		223	985	347	1332	17	3.44	2.97	10.22	19.0	29.2								
Victoria	Gorge		223	1271	46	1317	35	3.40	2.98	10.12	39.0	49.1								
Subtotal (Section NWT-N3)						16648	432.0	42.97		101.51	478.0	579.5	3479.0	113072	291.8	1.57	456.8	994.0	1450.8	28,757
Victoria	Selkirk		223	626	0	626	14.0	1.6	3.14	5.1	24.0	29.1								
Saanich	Harriet		223	8792	696	9488	261.0	24.5	2.38	58.3	137.0	195.3								
Subtotal (Section NWT-N4)						10114	275.0	26.10		63.4	161.0	224.4	3754.0	123186	317.9	1.54	490.2	1155.0	1645.2	31,292
Victoria	Langford		223	505	9	514	9	1.3	3.17	4.2	37.0	41.2								
Victoria	Hereward		223	4178	127	4305	64	11.1	2.64	29.4	141.0	170.4								
Esquimalt	Devonshire		223	4666	1144	5810	106	15.0	2.55	38.2	180.0	218.2								
Esquimalt	Wilson		223	668	208	876	17	2.3	3.07	6.9	69.0	75.9								
Victoria	Sea Terrace		223	1816	127	1943	15	5.0	2.88	14.4	33.0	47.4								
Subtotal (Section NET-N5)						13447	211	34.7		93.1	460.0	553.1	3965.0	136633	352.7	1.51	533.9	1615.0	2148.9	34,506
Esquimalt	Head		223	5200	1184	6384	125	16.5	2.52	41.5	193.0	234.5								
Subtotal (Section NET-N6)						6384	125	16.5		41.5	193.0	234.5	4090.0	143017	369.1	1.50	554.4	1808.0	2362.4	36,056
Esquimalt	Anson		223	320	0	320	15	0.8	3.25	2.7	23.0	25.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	23.0	25.7	4105.0	143336	370.0	1.50	555.4	1831.0	2386.4	36,143
Subtotal (NWT-W)													2025.0	82113	211.9	1.66	351.3	684.5	1035.8	20,373
Total Macaulay													6130.0	225450	581.9	1.39	808.3	2515.5	3323.8	56,516

NWT-N Estimated Wastewater Flows
Year = 2015, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		223	57695	9620	67315	2383.0	173.7	1.72	298.4	383.0	681.4								
Subtotal (Section NWT-N1)						67315	2383.0	173.7		298.4	383.0	681.4	2383.0	67315	173.7	1.72	298.4	383.0	681.4	17,437
Saanich	City Boundary		223	20288	8821	29109	664.0	75.1	1.99	149.7	178.0	327.7								
Subtotal (Section NWT-N2)						29109	664.0	75.1		149.7	178.0	327.7	3047.0	96424	248.9	1.61	400.8	561.0	961.8	24,604
Saan/Vic	Cecelia		223	6617	7381	13998	380	36.13	2.25	81.17	486.0	567.2								
Victoria	Chapman		223	985	347	1332	17	3.44	2.97	10.22	22.0	32.2								
Victoria	Gorge		223	1271	46	1317	35	3.40	2.98	10.12	45.0	55.1								
Subtotal (Section NWT-N3)						16648	432.0	42.97		101.51	553.0	654.5	3479.0	113072	291.8	1.57	456.8	1114.0	1570.8	28,757
Victoria	Selkirk		223	626	0	626	14.0	1.6	3.14	5.1	26.0	31.1								
Saanich	Harriet		223	8792	696	9488	261.0	24.5	2.38	58.3	152.0	210.3								
Subtotal (Section NWT-N4)						10114	275.0	26.10		63.4	178.0	241.4	3754.0	123186	317.9	1.54	490.2	1292.0	1782.2	31,292
Victoria	Langford		223	505	9	514	9	1.3	3.17	4.2	46.0	50.2								
Victoria	Hereford		223	4178	127	4305	64	11.1	2.64	29.4	164.0	193.4								
Esquimalt	Devonshire		223	4666	1144	5810	106	15.0	2.55	38.2	199.0	237.2								
Esquimalt	Wilson		223	668	208	876	17	2.3	3.07	6.9	86.0	92.9								
Victoria	Sea Terrace		223	1816	127	1943	15	5.0	2.88	14.4	38.0	52.4								
Subtotal (Section NET-N5)						13447	211	34.7		93.1	533.0	626.1	3965.0	136633	352.7	1.51	533.9	1825.0	2358.9	34,506
Esquimalt	Head		223	5200	1184	6384	125	16.5	2.52	41.5	220.0	261.5								
Subtotal (Section NET-N6)						6384	125	16.5		41.5	220.0	261.5	4090.0	143017	369.1	1.50	554.4	2045.0	2599.4	36,056
Esquimalt	Anson		223	320	0	320	15	0.8	3.25	2.7	26.0	28.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	26.0	28.7	4105.0	143336	370.0	1.50	555.4	2071.0	2626.4	36,143
Subtotal (NWT-W)													2025.0	82113	211.9	1.66	351.3	761.2	1112.5	20,373
Total Macaulay													6130.0	225450	581.9	1.39	808.3	2832.2	3640.4	56,516

NWT-N Estimated Wastewater Flows
Year = 2015, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		223	57695	9620	67315	2383.0	173.7	1.72	298.4	420.0	718.4								
Subtotal (Section NWT-N1)						67315	2383.0	173.7		298.4	420.0	718.4	2383.0	67315	173.7	1.72	298.4	420.0	718.4	17,437
Saanich	City Boundary		223	20288	8821	29109	664.0	75.1	1.99	149.7	200.0	349.7								
Subtotal (Section NWT-N2)						29109	664.0	75.1		149.7	200.0	349.7	3047.0	96424	248.9	1.61	400.8	620.0	1020.8	24,604
Saan/Vic	Cecelia		223	6617	7381	13998	380	36.13	2.25	81.17	581.0	662.2								
Victoria	Chapman		223	985	347	1332	17	3.44	2.97	10.22	26.0	36.2								
Victoria	Gorge		223	1271	46	1317	35	3.40	2.98	10.12	54.0	64.1								
Subtotal (Section NWT-N3)						16648	432.0	42.97		101.51	661.0	762.5	3479.0	113072	291.8	1.57	456.8	1281.0	1737.8	28,757
Victoria	Selkirk		223	626	0	626	14.0	1.6	3.14	5.1	30.0	35.1								
Saanich	Harriet		223	8792	696	9488	261.0	24.5	2.38	58.3	174.0	232.3								
Subtotal (Section NWT-N4)						10114	275.0	26.10		63.4	204.0	267.4	3754.0	123186	317.9	1.54	490.2	1485.0	1975.2	31,292
Victoria	Langford		223	505	9	514	9	1.3	3.17	4.2	61.0	65.2								
Victoria	Hereward		223	4178	127	4305	64	11.1	2.64	29.4	196.0	225.4								
Esquimalt	Devonshire		223	4666	1144	5810	106	15.0	2.55	38.2	225.0	263.2								
Esquimalt	Wilson		223	668	208	876	17	2.3	3.07	6.9	115.0	121.9								
Victoria	Sea Terrace		223	1816	127	1943	15	5.0	2.88	14.4	46.0	60.4								
Subtotal (Section NET-N5)						13447	211	34.7		93.1	643.0	736.1	3965.0	136633	352.7	1.51	533.9	2128.0	2661.9	34,506
Esquimalt	Head		223	5200	1184	6384	125	16.5	2.52	41.5	259.0	300.5								
Subtotal (Section NET-N6)						6384	125	16.5		41.5	259.0	300.5	4090.0	143017	369.1	1.50	554.4	2387.0	2941.4	36,056
Esquimalt	Anson		223	320	0	320	15	0.8	3.25	2.7	31.0	33.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	31.0	33.7	4105.0	143336	370.0	1.50	555.4	2418.0	2973.4	36,143
Subtotal (NWT-W)													2025.0	82113	211.9	1.66	351.3	862.4	1213.7	20,373
Total Macaulay													6130.0	225450	581.9	1.39	808.3	3280.4	4088.7	56,516

NWT-N Estimated Wastewater Flows
Year = 2030, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		206	61956	11194	73149	2383.0	174.4	1.69	295.1	293.0	588.1								
Subtotal (Section NWT-N1)						73149	2383.0	174.4		295.1	293.0	588.1	2383.0	73149	174.4	1.69	295.1	293.0	588.1	17,495
Saanich	City Boundary		206	21786	10264	32050	664.0	76.4	1.96	149.7	125.0	274.7								
Subtotal (Section NWT-N2)						32050	664.0	76.4		149.7	125.0	274.7	3047.0	105199	250.8	1.59	397.7	418.0	815.7	24,773
Saan/Vic	Cecelia		206	6803	8170	14973	380	35.70	2.22	79.37	286.0	365.4								
Victoria	Chapman		206	1197	384	1581	17	3.77	2.93	11.04	13.0	24.0								
Victoria	Gorge		206	1544	51	1594	35	3.80	2.93	11.13	26.0	37.1								
Subtotal (Section NWT-N3)						18148	432.0	43.27		101.54	325.0	426.5	3479.0	123347	294.1	1.54	453.3	743.0	1196.3	28,951
Victoria	Selkirk		206	760	0	760	14.0	1.8	3.10	5.6	18.0	23.6								
Saanich	Harriet		206	9442	810	10251	261.0	24.4	2.36	57.6	102.0	159.6								
Subtotal (Section NWT-N4)						11011	275.0	26.25		63.2	120.0	183.2	3754.0	134358	320.3	1.52	486.4	863.0	1349.4	31,499
Victoria	Langford		206	613	10	623	9	1.5	3.14	4.7	21.0	25.7								
Victoria	Hereward		206	5072	141	5213	64	12.4	2.58	32.1	96.0	128.1								
Esquimalt	Devonshire		206	4212	1189	5401	106	12.9	2.57	33.1	138.0	171.1								
Esquimalt	Wilson		206	603	217	819	17	2.0	3.08	6.0	39.0	45.0								
Victoria	Sea Terrace		206	2205	141	2345	15	5.6	2.82	15.8	23.0	38.8								
Subtotal (Section NET-N5)						14402	211	34.3		91.7	317.0	408.7	3985.0	148760	354.7	1.49	529.0	1180.0	1709.0	34,681
Esquimalt	Head		206	4694	1231	5925	125	14.1	2.54	35.9	136.0	171.9								
Subtotal (Section NET-N6)						5925	125	14.1		35.9	136.0	171.9	4090.0	154685	368.8	1.48	546.3	1316.0	1862.3	36,029
Esquimalt	Anson		206	288	0	288	15	0.7	3.27	2.2	16.0	18.2								
Subtotal (Section NET-N7)						288	15	0.7		2.2	16.0	18.2	4105.0	154973	369.5	1.48	547.2	1332.0	1879.2	36,103
Subtotal (NWT-W)													3164.0	146488	349.3	1.50	522.3	705.7	1228.0	33,398
Total Macaulay													7269.0	301462	718.8	1.32	951.8	2037.7	2989.5	69,501

NWT-N Estimated Wastewater Flows
Year = 2030, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		206	61956	11194	73149	2383.0	174.4	1.69	295.1	333.0	628.1								
Subtotal (Section NWT-N1)						73149	2383.0	174.4		295.1	333.0	628.1	2383.0	73149	174.4	1.69	295.1	333.0	628.1	17,495
Saanich	City Boundary		206	21786	10264	32050	664.0	76.4	1.96	149.7	148.0	297.7								
Subtotal (Section NWT-N2)						32050	664.0	76.4		149.7	148.0	297.7	3047.0	105199	250.8	1.59	397.7	481.0	878.7	24,773
Saan/Vic	Cecelia		206	6803	8170	14973	380	35.70	2.22	79.37	369.0	448.4								
Victoria	Chapman		206	1197	384	1581	17	3.77	2.93	11.04	16.0	27.0								
Victoria	Gorge		206	1544	51	1594	35	3.80	2.93	11.13	34.0	45.1								
Subtotal (Section NWT-N3)						18148	432.0	43.27		101.54	419.0	520.5	3479.0	123347	294.1	1.54	453.3	900.0	1353.3	28,951
Victoria	Selkirk		206	760	0	760	14.0	1.8	3.10	5.6	22.0	27.6								
Saanich	Harriet		206	9442	810	10251	261.0	24.4	2.36	57.6	124.0	181.6								
Subtotal (Section NWT-N4)						11011	275.0	26.25		63.2	146.0	209.2	3754.0	134358	320.3	1.52	486.4	1046.0	1532.4	31,499
Victoria	Langford		206	613	10	623	9	1.5	3.14	4.7	30.0	34.7								
Victoria	Hereward		206	5072	141	5213	64	12.4	2.58	32.1	124.0	156.1								
Esquimalt	Devonshire		206	4212	1189	5401	106	12.9	2.57	33.1	165.0	198.1								
Esquimalt	Wilson		206	603	217	819	17	2.0	3.08	6.0	56.0	62.0								
Victoria	Sea Terrace		206	2205	141	2345	15	5.6	2.82	15.8	29.0	44.8								
Subtotal (Section NET-N5)						14402	211	34.3		91.7	404.0	495.7	3985.0	148760	354.7	1.49	529.0	1450.0	1979.0	34,681
Esquimalt	Head		206	4694	1231	5925	125	14.1	2.54	35.9	171.0	206.9								
Subtotal (Section NET-N6)						5925	125	14.1		35.9	171.0	206.9	4090.0	154685	368.8	1.48	546.3	1621.0	2167.3	36,029
Esquimalt	Anson		206	288	0	288	15	0.7	3.27	2.2	21.0	23.2								
Subtotal (Section NET-N7)						288	15	0.7		2.2	21.0	23.2	4105.0	154973	369.5	1.48	547.2	1642.0	2189.2	36,103
Subtotal (NWT-W)													3164.0	146488	328.3	1.50	491.0	805.6	1296.6	31,587
Total Macaulay													7269.0	301462	697.8	1.32	924.1	2447.6	3371.6	67,691

NWT-N Estimated Wastewater Flows
Year = 2030, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		206	61956	11194	73149	2383.0	174.4	1.69	295.1	355.0	650.1								
Subtotal (Section NWT-N1)						73149	2383.0	174.4		295.1	355.0	650.1	2383.0	73149	174.4	1.69	295.1	355.0	650.1	17,495
Saanich	City Boundary		206	21786	10264	32050	664.0	76.4	1.96	149.7	161.0	310.7								
Subtotal (Section NWT-N2)						32050	664.0	76.4		149.7	161.0	310.7	3047.0	105199	250.8	1.59	397.7	516.0	913.7	24,773
Saan/Vic	Cecelia		206	6803	8170	14973	380	35.70	2.22	79.37	420.0	499.4								
Victoria	Chapman		206	1197	384	1581	17	3.77	2.93	11.04	19.0	30.0								
Victoria	Gorge		206	1544	51	1594	35	3.80	2.93	11.13	39.0	50.1								
Subtotal (Section NWT-N3)						18148	432.0	43.27		101.54	478.0	579.5	3479.0	123347	294.1	1.54	453.3	994.0	1447.3	28,951
Victoria	Selkirk		206	760	0	760	14.0	1.8	3.10	5.6	24.0	29.6								
Saanich	Harriet		206	9442	810	10251	261.0	24.4	2.36	57.6	137.0	194.6								
Subtotal (Section NWT-N4)						11011	275.0	26.25		63.2	161.0	224.2	3754.0	134358	320.3	1.52	486.4	1155.0	1641.4	31,499
Victoria	Langford		206	613	10	623	9	1.5	3.14	4.7	37.0	41.7								
Victoria	Hereward		206	5072	141	5213	64	12.4	2.58	32.1	141.0	173.1								
Esquimalt	Devonshire		206	4212	1189	5401	106	12.9	2.57	33.1	180.0	213.1								
Esquimalt	Wilson		206	603	217	819	17	2.0	3.08	6.0	69.0	75.0								
Victoria	Sea Terrace		206	2205	141	2345	15	5.6	2.82	15.8	33.0	48.8								
Subtotal (Section NET-N5)						14402	211	34.3		91.7	460.0	551.7	3985.0	148760	354.7	1.49	529.0	1615.0	2144.0	34,681
Esquimalt	Head		206	4694	1231	5925	125	14.1	2.54	35.9	193.0	228.9								
Subtotal (Section NET-N6)						5925	125	14.1		35.9	193.0	228.9	4090.0	154685	368.8	1.48	546.3	1808.0	2354.3	36,029
Esquimalt	Anson		206	288	0	288	15	0.7	3.27	2.2	23.0	25.2								
Subtotal (Section NET-N7)						288	15	0.7		2.2	23.0	25.2	4105.0	154973	369.5	1.48	547.2	1831.0	2378.2	36,103
Subtotal (NWT-W)													3164.0	146488	328.3	1.50	491.0	877.4	1368.4	31,587
Total Macaulay													7269.0	301462	697.8	1.32	924.1	2708.4	3632.5	67,691

NWT-N Estimated Wastewater Flows
Year = 2030, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		206	61956	11194	73149	2383.0	174.4	1.69	295.1	383.0	678.1								
Subtotal (Section NWT-N1)						73149	2383.0	174.4		295.1	383.0	678.1	2383.0	73149	174.4	1.69	295.1	383.0	678.1	17,495
Saanich	City Boundary		206	21786	10264	32050	664.0	76.4	1.96	149.7	178.0	327.7								
Subtotal (Section NWT-N2)						32050	664.0	76.4		149.7	178.0	327.7	3047.0	105199	250.8	1.59	397.7	561.0	958.7	24,773
Saan/Vic	Cecelia		206	6803	8170	14973	380	35.70	2.22	79.37	486.0	565.4								
Victoria	Chapman		206	1197	384	1581	17	3.77	2.93	11.04	22.0	33.0								
Victoria	Gorge		206	1544	51	1594	35	3.80	2.93	11.13	45.0	56.1								
Subtotal (Section NWT-N3)						18148	432.0	43.27		101.54	553.0	654.5	3479.0	123347	294.1	1.54	453.3	1114.0	1567.3	28,951
Victoria	Selkirk		206	760	0	760	14.0	1.8	3.10	5.6	26.0	31.6								
Saanich	Harriet		206	9442	810	10251	261.0	24.4	2.36	57.6	152.0	209.6								
Subtotal (Section NWT-N4)						11011	275.0	26.25		63.2	178.0	241.2	3754.0	134358	320.3	1.52	486.4	1292.0	1778.4	31,499
Victoria	Langford		206	613	10	623	9	1.5	3.14	4.7	46.0	50.7								
Victoria	Hereward		206	5072	141	5213	64	12.4	2.58	32.1	164.0	196.1								
Esquimalt	Devonshire		206	4212	1189	5401	106	12.9	2.57	33.1	199.0	232.1								
Esquimalt	Wilson		206	603	217	819	17	2.0	3.08	6.0	86.0	92.0								
Victoria	Sea Terrace		206	2205	141	2345	15	5.6	2.82	15.8	38.0	53.8								
Subtotal (Section NET-N5)						14402	211	34.3		91.7	533.0	624.7	3985.0	148760	354.7	1.49	529.0	1825.0	2354.0	34,681
Esquimalt	Head		206	4694	1231	5925	125	14.1	2.54	35.9	220.0	255.9								
Subtotal (Section NET-N6)						5925	125	14.1		35.9	220.0	255.9	4090.0	154685	368.8	1.48	546.3	2045.0	2591.3	36,029
Esquimalt	Anson		206	288	0	288	15	0.7	3.27	2.2	26.0	28.2								
Subtotal (Section NET-N7)						288	15	0.7		2.2	26.0	28.2	4105.0	154973	369.5	1.48	547.2	2071.0	2818.2	36,103
Subtotal (NWT-W)													3164.0	146488	328.3	1.50	491.0	961.4	1452.4	31,587
Total Macaulay													7269.0	301462	697.8	1.32	924.1	3032.4	3956.5	67,691

NWT-N Estimated Wastewater Flows
Year = 2030, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		206	61956	11194	73149	2383.0	174.4	1.69	295.1	420.0	715.1								
Subtotal (Section NWT-N1)						73149	2383.0	174.4		295.1	420.0	715.1	2383.0	73149	174.4	1.69	295.1	420.0	715.1	17,495
Saanich	City Boundary		206	21786	10264	32050	664.0	76.4	1.96	149.7	200.0	349.7								
Subtotal (Section NWT-N2)						32050	664.0	76.4		149.7	200.0	349.7	3047.0	105199	250.8	1.59	397.7	620.0	1017.7	24,773
Saan/Vic	Cecelia		206	6803	8170	14973	380	35.70	2.22	79.37	581.0	660.4								
Victoria	Chapman		206	1197	384	1581	17	3.77	2.93	11.04	26.0	37.0								
Victoria	Gorge		206	1544	51	1594	35	3.80	2.93	11.13	54.0	65.1								
Subtotal (Section NWT-N3)						18148	432.0	43.27		101.54	661.0	762.5	3479.0	123347	294.1	1.54	453.3	1281.0	1734.3	28,951
Victoria	Selkirk		206	760	0	760	14.0	1.8	3.10	5.6	30.0	35.6								
Saanich	Harriet		206	9442	810	10251	261.0	24.4	2.36	57.6	174.0	231.6								
Subtotal (Section NWT-N4)						11011	275.0	26.25		63.2	204.0	267.2	3754.0	134358	320.3	1.52	486.4	1485.0	1971.4	31,499
Victoria	Langford		206	613	10	623	9	1.5	3.14	4.7	61.0	65.7								
Victoria	Hereward		206	5072	141	5213	64	12.4	2.58	32.1	196.0	228.1								
Esquimalt	Devonshire		206	4212	1189	5401	106	12.9	2.57	33.1	225.0	258.1								
Esquimalt	Wilson		206	603	217	819	17	2.0	3.08	6.0	115.0	121.0								
Victoria	Sea Terrace		206	2205	141	2345	15	5.6	2.82	15.8	46.0	61.8								
Subtotal (Section NET-N5)						14402	211	34.3		91.7	643.0	734.7	3985.0	148760	354.7	1.49	529.0	2128.0	2857.0	34,681
Esquimalt	Head		206	4694	1231	5925	125	14.1	2.54	35.9	259.0	294.9								
Subtotal (Section NET-N6)						5925	125	14.1		35.9	259.0	294.9	4090.0	154685	368.8	1.48	546.3	2387.0	2933.3	36,029
Esquimalt	Anson		206	288	0	288	15	0.7	3.27	2.2	31.0	33.2								
Subtotal (Section NET-N7)						288	15	0.7		2.2	31.0	33.2	4105.0	154973	369.5	1.48	547.2	2418.0	2965.2	36,103
Subtotal (NWT-W)													3164.0	146488	328.3	1.50	491.0	1077.2	1568.2	31,587
Total Macaulay													7269.0	301462	697.8	1.32	924.1	3495.2	4419.3	67,691

NWT-N Estimated Wastewater Flows
Year = 2045, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		195	66216	12767	78983	2383.0	178.3	1.67	297.5	293.0	590.5								
Subtotal (Section NWT-N1)						78983	2383.0	178.3		297.5	293.0	590.5	2383.0	78983	178.3	1.67	297.5	293.0	590.5	17,828
Saanich	City Boundary		195	23284	11707	34991	664.0	79.0	1.93	152.4	125.0	277.4								
Subtotal (Section NWT-N2)						34991	664.0	79.0		152.4	125.0	277.4	3047.0	113974	257.2	1.56	402.1	418.0	820.1	25,327
Saan/Vic	Cecelia		195	6135	8958	15093	380	34.06	2.22	75.64	286.0	361.6								
Victoria	Chapman		195	1259	420	1679	17	3.79	2.91	11.04	13.0	24.0								
Victoria	Gorge		195	1622	55	1677	35	3.79	2.92	11.04	26.0	37.0								
Subtotal (Section NWT-N3)						18449	432.0	41.64		97.72	325.0	422.7	3479.0	132423	298.9	1.52	455.0	743.0	1198.0	29,364
Victoria	Selkirk		195	798	0	798	14.0	1.8	3.09	5.6	18.0	23.6								
Saanich	Harriet		195	10091	923	11014	261.0	24.9	2.33	57.9	102.0	159.9								
Subtotal (Section NWT-N4)						11813	275.0	26.66		63.5	120.0	183.5	3754.0	144236	325.5	1.50	488.2	863.0	1351.2	31,948
Victoria	Langford		195	644	11	655	9	1.5	3.13	4.6	21.0	25.6								
Victoria	Hereward		195	5330	154	5484	64	12.4	2.57	31.8	96.0	127.8								
Esquimalt	Devonshire		195	4896	1234	6130	106	13.8	2.53	35.0	138.0	173.0								
Esquimalt	Wilson		195	701	225	926	17	2.1	3.06	6.4	39.0	45.4								
Victoria	Sea Terrace		195	2317	154	2471	15	5.6	2.81	15.7	23.0	38.7								
Subtotal (Section NET-N5)						15666	211	35.4		93.4	317.0	410.4	3965.0	159902	360.9	1.47	531.5	1180.0	1711.5	35,217
Esquimalt	Head		195	5457	1278	6735	125	15.2	2.50	38.0	136.0	174.0								
Subtotal (Section NET-N6)						6735	125	15.2		38.0	136.0	174.0	4090.0	166636	376.1	1.46	550.0	1316.0	1866.0	36,658
Esquimalt	Anson		195	335	0	335	15	0.8	3.25	2.5	16.0	18.5								
Subtotal (Section NET-N7)						335	15	0.8		2.5	16.0	18.5	4105.0	166972	376.8	1.46	550.9	1332.0	1882.9	36,738
Subtotal (NWT-W)													3784.0	193767	437.3	1.42	623.2	794.8	1418.0	41,637
Total Macaulay													7889.0	360738	814.2	1.29	1047.9	2126.8	3174.7	78,375

NWT-N Estimated Wastewater Flows
Year = 2045, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		195	66216	12767	78983	2383.0	178.3	1.67	297.5	333.0	630.5								
Subtotal (Section NWT-N1)						78983	2383.0	178.3		297.5	333.0	630.5	2383.0	78983	178.3	1.67	297.5	333.0	630.5	17,828
Saanich	City Boundary		195	23284	11707	34991	664.0	79.0	1.93	152.4	148.0	300.4								
Subtotal (Section NWT-N2)						34991	664.0	79.0		152.4	148.0	300.4	3047.0	113974	257.2	1.56	402.1	481.0	883.1	25,327
Saan/Vic	Cecelia		195	6135	8958	15093	380	34.06	2.22	75.64	369.0	444.6								
Victoria	Chapman		195	1259	420	1679	17	3.79	2.91	11.04	16.0	27.0								
Victoria	Gorge		195	1622	55	1677	35	3.79	2.92	11.04	34.0	45.0								
Subtotal (Section NWT-N3)						18449	432.0	41.64		97.72	419.0	516.7	3479.0	132423	298.9	1.52	455.0	900.0	1355.0	29,364
Victoria	Selkirk		195	798	0	798	14.0	1.8	3.09	5.6	22.0	27.6								
Saanich	Harriet		195	10091	923	11014	261.0	24.9	2.33	57.9	124.0	181.9								
Subtotal (Section NWT-N4)						11813	275.0	26.66		63.5	146.0	209.5	3754.0	144236	325.5	1.50	488.2	1046.0	1534.2	31,948
Victoria	Langford		195	644	11	655	9	1.5	3.13	4.6	30.0	34.6								
Victoria	Hereward		195	5330	154	5484	64	12.4	2.57	31.8	124.0	155.8								
Esquimalt	Devonshire		195	4896	1234	6130	106	13.8	2.53	35.0	165.0	200.0								
Esquimalt	Wilson		195	701	225	926	17	2.1	3.06	6.4	56.0	62.4								
Victoria	Sea Terrace		195	2317	154	2471	15	5.6	2.81	15.7	29.0	44.7								
Subtotal (Section NET-N5)						15666	211	35.4		93.4	404.0	497.4	3965.0	159902	360.9	1.47	531.5	1450.0	1981.5	35,217
Esquimalt	Head		195	5457	1278	6735	125	15.2	2.50	38.0	171.0	209.0								
Subtotal (Section NET-N6)						6735	125	15.2		38.0	171.0	209.0	4090.0	166636	376.1	1.46	550.0	1621.0	2171.0	36,658
Esquimalt	Anson		195	335	0	335	15	0.8	3.25	2.5	21.0	23.5								
Subtotal (Section NET-N7)						335	15	0.8		2.5	21.0	23.5	4105.0	166972	376.8	1.46	550.9	1642.0	2192.9	36,738
Subtotal (NWT-W)												3784.0	193767	437.3	1.42	623.2	902.6	1525.8	41,637	
Total Macaulay												7889.0	360738	814.2	1.29	1047.9	2544.6	3592.5	78,375	

NWT-N Estimated Wastewater Flows
Year = 2045, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		195	66216	12767	78983	2383.0	178.3	1.67	297.5	355.0	652.5								
Subtotal (Section NWT-N1)						78983	2383.0	178.3		297.5	355.0	652.5	2383.0	78983	178.3	1.67	297.5	355.0	652.5	17,828
Saanich	City Boundary		195	23284	11707	34991	664.0	79.0	1.93	152.4	161.0	313.4								
Subtotal (Section NWT-N2)						34991	664.0	79.0		152.4	161.0	313.4	3047.0	113974	257.2	1.56	402.1	516.0	918.1	25,327
Saan/Vic	Cecelia		195	6135	8958	15093	380	34.06	2.22	75.64	420.0	495.6								
Victoria	Chapman		195	1259	420	1679	17	3.79	2.91	11.04	19.0	30.0								
Victoria	Gorge		195	1622	55	1677	35	3.79	2.92	11.04	39.0	50.0								
Subtotal (Section NWT-N3)						18449	432.0	41.64		97.72	478.0	575.7	3479.0	132423	298.9	1.52	455.0	994.0	1449.0	29,364
Victoria	Selkirk		195	798	0	798	14.0	1.8	3.09	5.6	24.0	29.6								
Saanich	Harriet		195	10091	923	11014	261.0	24.9	2.33	57.9	137.0	194.9								
Subtotal (Section NWT-N4)						11813	275.0	26.66		63.5	161.0	224.5	3754.0	144236	325.5	1.50	488.2	1155.0	1643.2	31,948
Victoria	Langford		195	644	11	655	9	1.5	3.13	4.6	37.0	41.6								
Victoria	Hereward		195	5330	154	5484	64	12.4	2.57	31.8	141.0	172.8								
Esquimalt	Devonshire		195	4896	1234	6130	106	13.8	2.53	35.0	180.0	215.0								
Esquimalt	Wilson		195	701	225	926	17	2.1	3.06	6.4	69.0	75.4								
Victoria	Sea Terrace		195	2317	154	2471	15	5.6	2.81	15.7	33.0	48.7								
Subtotal (Section NET-N5)						15666	211	35.4		93.4	460.0	553.4	3965.0	159902	360.9	1.47	531.5	1615.0	2146.5	35,217
Esquimalt	Head		195	5457	1278	6735	125	15.2	2.50	38.0	193.0	231.0								
Subtotal (Section NET-N6)						6735	125	15.2		38.0	193.0	231.0	4090.0	166636	376.1	1.46	550.0	1808.0	2358.0	36,658
Esquimalt	Anson		195	335	0	335	15	0.8	3.25	2.5	23.0	25.5								
Subtotal (Section NET-N7)						335	15	0.8		2.5	23.0	25.5	4105.0	166972	376.8	1.46	550.9	1831.0	2381.9	36,738
Subtotal (NWT-W)													3784.0	193767	437.3	1.42	623.2	982.4	1605.6	41,637
Total Macaulay													7889.0	360738	814.2	1.29	1047.9	2813.4	3861.3	78,375

NWT-N Estimated Wastewater Flows
 Year = 2045, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		195	66216	12767	78983	2383.0	178.3	1.67	297.5	383.0	680.5								
Subtotal (Section NWT-N1)						78983	2383.0	178.3		297.5	383.0	680.5	2383.0	78983	178.3	1.67	297.5	383.0	680.5	17,828
Saanich	City Boundary		195	23284	11707	34991	664.0	79.0	1.93	152.4	178.0	330.4								
Subtotal (Section NWT-N2)						34991	664.0	79.0		152.4	178.0	330.4	3047.0	113974	257.2	1.56	402.1	561.0	963.1	25,327
Saan/Vic	Cecelia		195	6135	8958	15093	380	34.06	2.22	75.64	486.0	561.6								
Victoria	Chapman		195	1259	420	1679	17	3.79	2.91	11.04	22.0	33.0								
Victoria	Gorge		195	1622	55	1677	35	3.79	2.92	11.04	45.0	56.0								
Subtotal (Section NWT-N3)						18449	432.0	41.64		97.72	553.0	650.7	3479.0	132423	298.9	1.52	455.0	1114.0	1569.0	29,364
Victoria	Selkirk		195	798	0	798	14.0	1.8	3.09	5.6	26.0	31.6								
Saanich	Harriet		195	10091	923	11014	261.0	24.9	2.33	57.9	152.0	209.9								
Subtotal (Section NWT-N4)						11813	275.0	26.66		63.5	178.0	241.5	3754.0	144236	325.5	1.50	488.2	1292.0	1780.2	31,948
Victoria	Langford		195	644	11	655	9	1.5	3.13	4.6	46.0	50.6								
Victoria	Hereward		195	5330	154	5484	64	12.4	2.57	31.8	164.0	195.8								
Esquimalt	Devonshire		195	4896	1234	6130	106	13.8	2.53	35.0	199.0	234.0								
Esquimalt	Wilson		195	701	225	926	17	2.1	3.06	6.4	86.0	92.4								
Victoria	Sea Terrace		195	2317	154	2471	15	5.6	2.81	15.7	38.0	53.7								
Subtotal (Section NET-N5)						15666	211	35.4		93.4	533.0	626.4	3965.0	159902	360.9	1.47	531.5	1825.0	2356.5	35,217
Esquimalt	Head		195	5457	1278	6735	125	15.2	2.50	38.0	220.0	258.0								
Subtotal (Section NET-N6)						6735	125	15.2		38.0	220.0	258.0	4090.0	166636	376.1	1.46	550.0	2045.0	2595.0	36,658
Esquimalt	Anson		195	335	0	335	15	0.8	3.25	2.5	26.0	28.5								
Subtotal (Section NET-N7)						335	15	0.8		2.5	26.0	28.5	4105.0	166972	376.8	1.46	550.9	2071.0	2621.9	36,738
Subtotal (NWT-W)													3784.0	193767	437.3	1.42	623.2	1070.3	1693.5	41,637
Total Macaulay													7889.0	360738	814.2	1.29	1047.9	3141.3	4189.2	78,375

NWT-N Estimated Wastewater Flows
Year = 2045, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		195	66216	12767	78983	2383.0	178.3	1.67	297.5	420.0	717.5								
Subtotal (Section NWT-N1)						78983	2383.0	178.3		297.5	420.0	717.5	2383.0	78983	178.3	1.67	297.5	420.0	717.5	17,828
Saanich	City Boundary		195	23284	11707	34991	664.0	79.0	1.93	152.4	200.0	352.4								
Subtotal (Section NWT-N2)						34991	664.0	79.0		152.4	200.0	352.4	3047.0	113974	257.2	1.56	402.1	620.0	1022.1	25,327
Saan/Vic	Cecelia		195	6135	8958	15093	380	34.06	2.22	75.64	581.0	656.6								
Victoria	Chapman		195	1259	420	1679	17	3.79	2.91	11.04	26.0	37.0								
Victoria	Gorge		195	1622	55	1677	35	3.79	2.92	11.04	54.0	65.0								
Subtotal (Section NWT-N3)						18449	432.0	41.64		97.72	661.0	758.7	3479.0	132423	298.9	1.52	455.0	1281.0	1736.0	29,364
Victoria	Selkirk		195	798	0	798	14.0	1.8	3.09	5.6	30.0	35.6								
Saanich	Harriet		195	10091	923	11014	261.0	24.9	2.33	57.9	174.0	231.9								
Subtotal (Section NWT-N4)						11813	275.0	26.66		63.5	204.0	267.5	3754.0	144236	325.5	1.50	488.2	1485.0	1973.2	31,948
Victoria	Langford		195	644	11	655	9	1.5	3.13	4.6	61.0	65.6								
Victoria	Hereward		195	5330	154	5484	64	12.4	2.57	31.8	196.0	227.8								
Esquimalt	Devonshire		195	4896	1234	6130	106	13.8	2.53	35.0	225.0	260.0								
Esquimalt	Wilson		195	701	225	926	17	2.1	3.06	6.4	115.0	121.4								
Victoria	Sea Terrace		195	2317	154	2471	15	5.6	2.81	15.7	46.0	61.7								
Subtotal (Section NET-N5)						15666	211	35.4		93.4	643.0	736.4	3965.0	159902	360.9	1.47	531.5	2128.0	2659.5	35,217
Esquimalt	Head		195	5457	1278	6735	125	15.2	2.50	38.0	259.0	297.0								
Subtotal (Section NET-N6)						6735	125	15.2		38.0	259.0	297.0	4090.0	166636	376.1	1.46	550.0	2387.0	2937.0	36,658
Esquimalt	Anson		195	335	0	335	15	0.8	3.25	2.5	31.0	33.5								
Subtotal (Section NET-N7)						335	15	0.8		2.5	31.0	33.5	4105.0	166972	376.8	1.46	550.9	2418.0	2968.9	36,738
Subtotal (NWT-W)												3784.0	193767	437.3	1.42	623.2	1194.1	1817.3	41,637	
Total Macaulay												7889.0	360738	814.2	1.29	1047.9	3612.1	4660.0	78,375	

NWT-N Estimated Wastewater Flows
Year = 2065, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		184	67613	13035	80648	2383.0	171.8	1.66	285.6	293.0	578.6								
Subtotal (Section NWT-N1)						80648	2383.0	171.8		285.6	293.0	578.6	2383.0	80648	171.8	1.66	285.6	293.0	578.6	17,265
Saanich	City Boundary		184	23775	11953	35728	664.0	76.1	1.92	146.3	125.0	271.3								
Subtotal (Section NWT-N2)						35728	664.0	76.1		146.3	125.0	271.3	3047.0	116376	247.8	1.56	386.0	418.0	804.0	24,515
Saan/Vic	Cecelia		184	6265	9137	15402	380	32.80	2.21	72.60	286.0	358.6								
Victoria	Chapman		184	1284	428	1712	17	3.65	2.91	10.61	13.0	23.6								
Victoria	Gorge		184	1655	56	1711	35	3.64	2.91	10.60	26.0	36.6								
Subtotal (Section NWT-N3)						18825	432.0	40.09		93.81	325.0	418.8	3479.0	135200	287.9	1.52	436.7	743.0	1179.7	28,418
Victoria	Selkirk		184	814		814	14.0	1.7	3.08	5.3	18.0	23.3								
Saanich	Harriet		184	10304	942	11246	261.0	24.0	2.32	55.6	102.0	157.6								
Subtotal (Section NWT-N4)						12061	275.0	25.68		61.0	120.0	181.0	3754.0	147261	313.6	1.49	468.6	863.0	1331.6	30,918
Victoria	Langford		184	657	11	668	9	1.4	3.12	4.4	21.0	25.4								
Victoria	Hereward		184	5436	157	5593	64	11.9	2.56	30.5	96.0	126.5								
Esquimalt	Devonshire		184	4995	4994	9990	106	21.3	2.36	50.3	138.0	188.3								
Esquimalt	Wilson		184	715	715	1429	17	3.0	2.96	9.0	39.0	48.0								
Victoria	Sea Terrace		184	2363	157	2520	15	5.4	2.80	15.0	23.0	38.0								
Subtotal (Section NET-N5)						20200	211	43.0		109.3	317.0	426.3	3985.0	167461	356.6	1.46	521.1	1180.0	1701.1	34,849
Esquimalt	Head		184	5567	5566	11133	125	23.7	2.33	55.2	136.0	191.2								
Subtotal (Section NET-N6)						11133	125	23.7		55.2	136.0	191.2	4090.0	178593	380.3	1.45	549.6	1316.0	1865.6	37,025
Esquimalt	Anson		184	342	342	684	15	1.5	3.12	4.5	16.0	20.5								
Subtotal (Section NET-N7)						684	15	1.5		4.5	16.0	20.5	4105.0	179277	381.8	1.44	551.3	1332.0	1883.3	37,166
Subtotal (NWT-W)													4528.2	255413	543.9	1.36	740.0	901.7	1641.7	51,606
Total Macaulay													8633.2	434691	925.7	1.25	1157.8	2233.7	3391.5	88,772

NWT-N Estimated Wastewater Flows
Year = 2065, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		184	67613	13035	80648	2383.0	171.8	1.66	285.6	333.0	618.6								
Subtotal (Section NWT-N1)						80648	2383.0	171.8		285.6	333.0	618.6	2383.0	80648	171.8	1.66	285.6	333.0	618.6	17,265
Saanich	City Boundary		184	23775	11953	35728	664.0	76.1	1.92	146.3	148.0	294.3								
Subtotal (Section NWT-N2)						35728	664.0	76.1		146.3	148.0	294.3	3047.0	116376	247.8	1.56	386.0	481.0	867.0	24,515
Saan/Vic	Cecelia		184	6265	9137	15402	380	32.80	2.21	72.60	369.0	441.6								
Victoria	Chapman		184	1284	428	1712	17	3.65	2.91	10.61	16.0	26.6								
Victoria	Gorge		184	1655	56	1711	35	3.64	2.91	10.60	34.0	44.6								
Subtotal (Section NWT-N3)						18825	432.0	40.09		93.81	419.0	512.8	3479.0	135200	287.9	1.52	436.7	900.0	1336.7	28,418
Victoria	Selkirk		184	814		814	14.0	1.7	3.08	5.3	22.0	27.3								
Saanich	Harriet		184	10304	942	11246	261.0	24.0	2.32	55.6	124.0	179.6								
Subtotal (Section NWT-N4)						12061	275.0	25.68		61.0	146.0	207.0	3754.0	147261	313.6	1.49	468.6	1046.0	1514.6	30,918
Victoria	Langford		184	657	11	668	9	1.4	3.12	4.4	30.0	34.4								
Victoria	Hereward		184	5436	157	5593	64	11.9	2.56	30.5	124.0	154.5								
Esquimalt	Devonshire		184	4995	4994	9990	106	21.3	2.36	50.3	165.0	215.3								
Esquimalt	Wilson		184	715	715	1429	17	3.0	2.96	9.0	56.0	65.0								
Victoria	Sea Terrace		184	2363	157	2520	15	5.4	2.80	15.0	29.0	44.0								
Subtotal (Section NET-N5)						20200	211	43.0		109.3	404.0	513.3	3985.0	167461	356.6	1.46	521.1	1450.0	1971.1	34,849
Esquimalt	Head		184	5567	5566	11133	125	23.7	2.33	55.2	171.0	226.2								
Subtotal (Section NET-N6)						11133	125	23.7		55.2	171.0	226.2	4090.0	178593	380.3	1.45	549.6	1621.0	2170.6	37,025
Esquimalt	Anson		184	342	342	684	15	1.5	3.12	4.5	21.0	25.5								
Subtotal (Section NET-N7)						684	15	1.5		4.5	21.0	25.5	4105.0	179277	381.8	1.44	551.3	1642.0	2193.3	37,166
Subtotal (NWT-W)													4528.2	255413	543.9	1.36	740.0	1019.1	1759.1	51,606
Total Macaulay													8633.2	434691	925.7	1.25	1157.8	2661.1	3818.9	88,772

NWT-N Estimated Wastewater Flows
Year = 2065, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		184	67613	13035	80648	2383.0	171.8	1.66	285.6	355.0	640.6								
Subtotal (Section NWT-N1)						80648	2383.0	171.8		285.6	355.0	640.6	2383.0	80648	171.8	1.66	285.6	355.0	640.6	17,265
Saanich	City Boundary		184	23775	11953	35728	664.0	76.1	1.92	146.3	161.0	307.3								
Subtotal (Section NWT-N2)						35728	664.0	76.1		146.3	161.0	307.3	3047.0	116376	247.8	1.56	386.0	516.0	902.0	24,515
Saan/Vic	Cecelia		184	6265	9137	15402	380	32.80	2.21	72.60	420.0	492.6								
Victoria	Chapman		184	1284	428	1712	17	3.65	2.91	10.61	19.0	29.6								
Victoria	Gorge		184	1655	56	1711	35	3.64	2.91	10.60	39.0	49.6								
Subtotal (Section NWT-N3)						18825	432.0	40.09		93.81	478.0	571.8	3479.0	135200	287.9	1.52	436.7	994.0	1430.7	28,418
Victoria	Selkirk		184	814		814	14.0	1.7	3.08	5.3	24.0	29.3								
Saanich	Harriet		184	10304	942	11246	261.0	24.0	2.32	55.6	137.0	192.6								
Subtotal (Section NWT-N4)						12061	275.0	25.68		61.0	161.0	222.0	3754.0	147261	313.6	1.49	468.6	1155.0	1623.6	30,918
Victoria	Langford		184	657	11	668	9	1.4	3.12	4.4	37.0	41.4								
Victoria	Hereward		184	5436	157	5593	64	11.9	2.56	30.5	141.0	171.5								
Esquimalt	Devonshire		184	4995	4994	9990	106	21.3	2.36	50.3	180.0	230.3								
Esquimalt	Wilson		184	715	715	1429	17	3.0	2.96	9.0	69.0	78.0								
Victoria	Sea Terrace		184	2363	157	2520	15	5.4	2.80	15.0	33.0	48.0								
Subtotal (Section NET-N5)						20200	211	43.0		109.3	460.0	569.3	3985.0	167461	356.6	1.46	521.1	1615.0	2136.1	34,849
Esquimalt	Head		184	5567	5566	11133	125	23.7	2.33	55.2	193.0	248.2								
Subtotal (Section NET-N6)						11133	125	23.7		55.2	193.0	248.2	4090.0	178593	380.3	1.45	549.6	1808.0	2357.6	37,025
Esquimalt	Anson		184	342	342	684	15	1.5	3.12	4.5	23.0	27.5								
Subtotal (Section NET-N7)						684	15	1.5		4.5	23.0	27.5	4105.0	179277	381.8	1.44	551.3	1831.0	2382.3	37,166
Subtotal (NWT-W)													4528.2	255413	543.9	1.36	740.0	1108.4	1848.5	51,606
Total Macaulay													8633.2	434691	925.7	1.25	1157.8	2939.4	4097.3	88,772

NWT-N Estimated Wastewater Flows
Year = 2065, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		184	67613	13035	80648	2383.0	171.8	1.66	285.6	383.0	668.6								
Subtotal (Section NWT-N1)						80648	2383.0	171.8		285.6	383.0	668.6	2383.0	80648	171.8	1.66	285.6	383.0	668.6	17,265
Saanich	City Boundary		184	23775	11953	35728	664.0	76.1	1.92	146.3	178.0	324.3								
Subtotal (Section NWT-N2)						35728	664.0	76.1		146.3	178.0	324.3	3047.0	116376	247.8	1.56	386.0	561.0	947.0	24,515
Saan/Vic	Cecelia		184	6265	9137	15402	380	32.80	2.21	72.60	486.0	558.6								
Victoria	Chapman		184	1284	428	1712	17	3.65	2.91	10.61	22.0	32.6								
Victoria	Gorge		184	1655	56	1711	35	3.64	2.91	10.60	45.0	55.6								
Subtotal (Section NWT-N3)						18825	432.0	40.09		93.81	553.0	646.8	3479.0	135200	287.9	1.52	436.7	1114.0	1550.7	28,418
Victoria	Selkirk		184	814		814	14.0	1.7	3.08	5.3	26.0	31.3								
Saanich	Harriet		184	10304	942	11246	261.0	24.0	2.32	55.6	152.0	207.6								
Subtotal (Section NWT-N4)						12061	275.0	25.68		61.0	178.0	239.0	3754.0	147261	313.6	1.49	468.6	1292.0	1760.6	30,918
Victoria	Langford		184	657	11	668	9	1.4	3.12	4.4	46.0	50.4								
Victoria	Hereward		184	5436	157	5593	64	11.9	2.56	30.5	164.0	194.5								
Esquimalt	Devonshire		184	4995	4994	9990	106	21.3	2.36	50.3	199.0	249.3								
Esquimalt	Wilson		184	715	715	1429	17	3.0	2.96	9.0	86.0	95.0								
Victoria	Sea Terrace		184	2363	157	2520	15	5.4	2.80	15.0	38.0	53.0								
Subtotal (Section NET-N5)						20200	211	43.0		109.3	533.0	642.3	3985.0	167461	356.6	1.46	521.1	1825.0	2346.1	34,849
Esquimalt	Head		184	5567	5566	11133	125	23.7	2.33	55.2	220.0	275.2								
Subtotal (Section NET-N6)						11133	125	23.7		55.2	220.0	275.2	4090.0	178593	380.3	1.45	549.6	2045.0	2594.6	37,025
Esquimalt	Anson		184	342	342	684	15	1.5	3.12	4.5	26.0	30.5								
Subtotal (Section NET-N7)						684	15	1.5		4.5	26.0	30.5	4105.0	179277	381.8	1.44	551.3	2071.0	2822.3	37,166
Subtotal (NWT-W)													4528.2	255413	543.9	1.36	740.0	1201.1	1941.2	51,606
Total Macaulay													8633.2	434691	925.7	1.25	1157.8	3272.1	4429.9	88,772

NWT-N Estimated Wastewater Flows
Year = 2065, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		184	67613	13035	80648	2383.0	171.8	1.66	285.6	420.0	705.6								
Subtotal (Section NWT-N1)						80648	2383.0	171.8		285.6	420.0	705.6	2383.0	80648	171.8	1.66	285.6	420.0	705.6	17,265
Saanich	City Boundary		184	23775	11953	35728	664.0	76.1	1.92	146.3	200.0	346.3								
Subtotal (Section NWT-N2)						35728	664.0	76.1		146.3	200.0	346.3	3047.0	116376	247.8	1.56	386.0	620.0	1006.0	24,515
Saan/Vic	Cecelia		184	6265	9137	15402	380	32.80	2.21	72.60	581.0	653.6								
Victoria	Chapman		184	1284	428	1712	17	3.65	2.91	10.61	26.0	36.6								
Victoria	Gorge		184	1655	56	1711	35	3.64	2.91	10.60	54.0	64.6								
Subtotal (Section NWT-N3)						18825	432.0	40.09		93.81	661.0	754.8	3479.0	135200	287.9	1.52	436.7	1281.0	1717.7	28,418
Victoria	Selkirk		184	814		814	14.0	1.7	3.08	5.3	30.0	35.3								
Saanich	Harriet		184	10304	942	11246	261.0	24.0	2.32	55.6	174.0	229.6								
Subtotal (Section NWT-N4)						12061	275.0	25.68		61.0	204.0	265.0	3754.0	147261	313.6	1.49	468.6	1485.0	1953.6	30,918
Victoria	Langford		184	657	11	668	9	1.4	3.12	4.4	61.0	65.4								
Victoria	Hereward		184	5436	157	5593	64	11.9	2.56	30.5	196.0	226.5								
Esquimalt	Devonshire		184	4995	4994	9990	106	21.3	2.36	50.3	225.0	275.3								
Esquimalt	Wilson		184	715	715	1429	17	3.0	2.96	9.0	115.0	124.0								
Victoria	Sea Terrace		184	2363	157	2520	15	5.4	2.80	15.0	46.0	61.0								
Subtotal (Section NET-N5)						20200	211	43.0		109.3	643.0	752.3	3985.0	167461	356.6	1.46	521.1	2128.0	2649.1	34,849
Esquimalt	Head		184	5567	5566	11133	125	23.7	2.33	55.2	259.0	314.2								
Subtotal (Section NET-N6)						11133	125	23.7		55.2	259.0	314.2	4090.0	178593	380.3	1.45	549.6	2387.0	2936.6	37,025
Esquimalt	Anson		184	342	342	684	15	1.5	3.12	4.5	31.0	35.5								
Subtotal (Section NET-N7)						684	15	1.5		4.5	31.0	35.5	4105.0	179277	381.8	1.44	551.3	2418.0	2969.3	37,166
Subtotal (NWT-W)													4528.2	255413	543.9	1.36	740.0	1322.4	2062.5	51,606
Total Macaulay													8633.2	434691	925.7	1.25	1157.8	3740.4	4898.3	88,772

Appendix G

NET/ECI Design Flows using Fixture Reduction + Water Recycling Rates

NET/ECI Estimated Wastewater Flows
Year = 2005, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	55.2	2.3	68.3								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	55.2	2.3	68.3	40.6	1398	3.6	2.96	10.8	57.5	68.3	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	80.0	3.3	108.0								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	16.9	0.7	22.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.94	29.4	96.8	4.0	130.2	111.8	5480	14.3	3.21	45.8	158.3	204.1	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	51.2	1.0	66.3								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	51.2	1.0	66.3	151.5	7360	19.2	3.09	59.1	210.5	269.6	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	215.3	19.4	271.2								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	98.9	8.9	120.9								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	26.3	0.5	34.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	16.1	0.3	22.9								
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	356.6	29.2	44.1	334.3	16257	42.3	2.74	116.1	596.3	712.4	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	120.5	2.4	162.5								
Broom	30A02	NEBMH033	225	2342	368	2710	145.5	7.1	2.78	19.6	76.3	8.5	104.4								
Broom	30B01	NEBMH032	225	361	0	361	11.5	0.9	3.23	3.0	5.0	0.7	8.7								
Broom	30B02	NEBMH030	225	317	47	364	6.4	0.9	3.23	3.1	2.8	0.4	6.2								
Subtotal (Section NETB-5)						9416	256.9	24.5	65.3	204.7	11.9	281.9	591.2	25673	66.9	2.54	170.1	812.9	983.0	8,068	
Broom	30B03	NEBMH028	225	622	391	1013	20.8	2.6	3.04	8.0	9.1	1.2	18.3								
Broom	30B04	NEBMH027	225	0	494	494	5.5	1.3	3.18	4.1	2.4	0.3	6.8								
Broom	30B05	NEBMH026	225	224	111	335	8.5	0.9	3.25	2.8	3.7	0.5	7.0								
Broom	30B06	NEBMH026	225	235	5	240	4.1	0.6	3.29	2.1	1.8	0.2	4.1								
Broom	30B07	NEBMH025	225	81	0	81	2.4	0.2	3.41	0.7	1.0	0.1	1.9								
Subtotal (Section NETB-6)						2163	41.3	5.6	17.7	18.1	2.4	38.2	632.5	27836	72.5	2.51	181.9	833.3	1015.2	8,715	
Broom	30B09	NEBMH024	225	2234	272	2506	65.2	6.5	2.81	18.3	28.5	3.8	50.6								
Broom	30B08	NEBMH022	225	127	0	127	4.2	0.3	3.37	1.1	1.8	0.2	3.2								
Broom	30B10	NEBMH020	225	43	8	51	3.5	0.1	3.45	0.5	1.5	0.2	2.2								
Broom	30B11	NEBMH020	225	67	0	67	2.1	0.2	3.43	0.6	0.9	0.1	1.6								
Windsor	31A	NEBMH017	225	119	0	119	4.6	0.3	3.38	1.0	2.0	0.3	3.3								
Subtotal (Section NETB-7)						2870	79.6	7.5	21.5	34.8	4.6	60.9	712.1	30706	80.0	2.47	197.3	872.8	1070.1	9,669	
Esplanade	29	NEBMH014	225	347	63	410	15.4	1.1	3.21	3.4	8.1	0.9	12.4								
Subtotal (Section NETB-8)						410	15.4	1.1	3.21	3.4	8.1	0.9	12.4	727.5	31116	81.0	2.46	199.5	881.7	1081.2	9,821
Windsor	31B	NEBMH003	225	1660	207	1867	57.2	4.9	2.89	14.0	25.0	3.3	42.4								
Currie	32	NEBMH001	225	4888	267	5155	202.7	13.4	2.59	34.7	325.2	19.8	379.6								
Subtotal (Section NETB-9)						7022	259.9	18.3	48.8	350.2	23.1	422.0	987.4	38138	99.3	2.38	236.0	1255.0	1490.9	12,408	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	176.4	39.5	438.7								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	176.4	39.5	438.7	1069.2	35578	92.7	2.40	222.8	215.9	438.7	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	30.3	6.1	78.1								
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	35.9	4.0	67.1								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	66.2	10.0	145.2	1418.4	45859	119.4	2.30	274.6	292.1	566.8	15,816
Humber	25	Humber	225	407	132	539	56.2	1.4	3.17	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						539	56.2	1.4	3.17	4.4	90.0	4.6	99.0	1474.6	46398	120.8	2.29	277.3	386.7	664.0	16,155
Rutland	26	Rutland	225	743	0	743	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						743	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	47141	122.8	2.29	280.9	478.6	759.5	16,626
Estevan	27	ECIMH029	225	1599	101	1700	72.7	4.4	2.91	12.9	57.7	3.2	73.7								
Dalhousie	28	ECIMH029	225	771	0	771	29.4	2.0	3.10	6.2	23.3	1.3	30.8								
Subtotal (Section ECI-5)						2471	102.1	6.4	19.1	81.0	4.5	104.6	1655.1	49613	129.2	2.27	293.0	564.1	857.1	17,578	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	87751	228.5	2.05	467.8	1819.1	2286.9	29,986
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Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	375.9	15.1	450.8								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	375.9	15.1	450.8	2870.1	97431	253.7	2.01	509.8	2210.0	2719.8	33,046
Haring/Hollywood	35	ECIMH001	225	377	0	377	67.5	1.0	3.23	3.2	111.5	4.5	119.1								
Subtotal (Section NETC-1)						377	67.5	1.0	3.23	3.2	111.5	4.5	119.1	2937.6	97808	254.7	2.01	511.4	2325.9	2837.4	33,393
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	55.9	5.1	70.0								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	55.9	5.1	70.0	2982.7	98943	257.7	2.00	516.3	2387.0	2903.3	33,823
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1050.1	96.2	1442.0								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1050.1	96.2	1442.0	3829.3	164761	429.1	1.83	785.9	3533.3	4319.2	51,914

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2005, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI&I (L/s)	RFI&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	78.8	2.3	91.9									
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	78.8	2.3	91.9		40.6	1398	3.6	2.96	10.8	81.1	91.9	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	114.2	3.3	142.2									
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	24.1	0.7	29.5									
Subtotal (Section NETB-2)						4081	71.2	10.6	2.89	29.4	138.2	4.0	171.7		111.8	5480	14.3	3.21	45.8	223.3	269.1	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	65.2	1.0	80.4									
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	65.2	1.0	80.4		151.5	7360	19.2	3.09	59.1	289.6	348.7	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	256.7	19.4	312.7									
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	118.0	8.9	139.9									
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	33.5	0.5	41.2									
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	20.5	0.3	27.4									
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	428.7	29.2	521.1		334.3	16257	42.3	2.74	116.1	747.5	863.6	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	153.6	2.4	195.6									
Broom	30A02	NEBMH033	225	2342	368	2710	145.5	7.1	2.78	19.6	106.9	8.5	135.0									
Broom	30B01	NEBMH032	225	361	0	361	11.5	0.9	3.23	3.0	5.8	0.7	9.5									
Broom	30B02	NEBMH030	225	317	47	364	6.4	0.9	3.23	3.1	3.2	0.4	6.7									
Subtotal (Section NETB-5)						9416	256.9	24.5	65.3	269.6	11.9	346.8		591.2	25673	66.9	2.54	170.1	1028.9	1199.0	8,068	
Broom	30B03	NEBMH028	225	622	391	1013	20.8	2.6	3.04	8.0	10.5	1.2	19.7									
Broom	30B04	NEBMH027	225	0	494	494	5.5	1.3	3.18	4.1	2.8	0.3	7.2									
Broom	30B05	NEBMH026	225	224	111	335	8.5	0.9	3.25	2.8	4.3	0.5	7.6									
Broom	30B06	NEBMH026	225	235	5	240	4.1	0.6	3.29	2.1	2.1	0.2	4.4									
Broom	30B07	NEBMH025	225	81	0	81	2.4	0.2	3.41	0.7	1.2	0.1	2.1									
Subtotal (Section NETB-6)						2163	41.3	5.6	17.7	20.8	2.4	40.9		632.5	27836	72.5	2.51	181.9	1052.1	1234.0	8,715	
Broom	30B09	NEBMH024	225	2234	272	2506	65.2	6.5	2.81	18.3	32.8	3.8	54.9									
Broom	30B08	NEBMH022	225	127	0	127	4.2	0.3	3.37	1.1	2.1	0.2	3.5									
Broom	30B10	NEBMH020	225	43	8	51	3.5	0.1	3.45	0.5	1.8	0.2	2.4									
Broom	30B11	NEBMH020	225	67	0	67	2.1	0.2	3.43	0.6	1.1	0.1	1.8									
Windsor	31A	NEBMH017	225	119	0	119	4.6	0.5	3.38	1.0	2.3	0.3	3.6									
Subtotal (Section NETB-7)						2870	79.6	7.5	21.5	40.1	4.6	66.2		712.1	30706	80.0	2.47	197.3	1096.8	1294.1	9,669	
Esplanade	29	NEBMH014	225	347	63	410	15.4	1.1	3.21	3.4	11.3	0.9	15.6									
Subtotal (Section NETB-8)						410	15.4	1.1	3.21	3.4	11.3	0.9	15.6		727.5	31116	81.0	2.46	199.5	1109.1	1308.5	9,821
Windsor	31B	NEBMH003	225	1660	207	1867	57.2	4.9	2.89	14.0	28.8	3.3	46.2									
Currie	32	NEBMH001	225	4888	267	5155	202.7	13.4	2.59	34.7	412.8	19.8	467.2									
Subtotal (Section NETB-9)						7022	259.9	18.3	48.8	441.6	23.1	513.4		987.4	38138	99.3	2.38	236.0	1573.7	1809.7	12,408	

NET-B Ends at the Currie Major Pump Station

ECI																						
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	234.4	39.5	496.7									
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	234.4	39.5	496.7		1069.2	35578	92.7	2.40	222.8	273.9	496.7	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	45.4	6.1	93.2									
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	50.3	4.0	81.5									
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	95.7	10.0	174.7		1418.4	45859	119.4	2.30	274.6	379.7	654.3	15,816
Humber	25	Humber	225	407	132	539	56.2	1.4	3.17	4.4	90.0	4.6	99.0									
Subtotal (Section ECI-3)						539	56.2	1.4	3.17	4.4	90.0	4.6	99.0		1474.6	46398	120.8	2.29	277.3	474.2	751.5	16,155
Rutland	26	Rutland	225	743	0	743	78.4	1.9	3.10	6.0	90.0	1.9	97.9									
Subtotal (Section ECI-4)						743	78.4	1.9	3.10	6.0	90.0	1.9	97.9		1553.0	47141	122.8	2.29	280.9	566.1	847.1	16,626
Estevan	27	ECIMH029	225	1599	101	1700	72.7	4.4	2.91	12.9	66.1	3.2	82.1									
Dalhousie	28	ECIMH029	225	771	0	771	29.4	2.0	3.10	6.2	26.7	1.3	34.2									
Subtotal (Section ECI-5)						2471	102.1	6.4	19.1	92.8	4.5	116.4		1655.1	49613	129.2	2.27	293.0	663.4	956.4	17,578	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream																2642.5	87751	228.5	2.05	467.8	2237.1	2704.9	29,986
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Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	478.5	15.1	553.4									
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	478.5	15.1	553.4		2870.1	97431	253.7	2.01	509.8	2730.7	3240.5	33,046
Haring/Hollywood	35	ECIMH001	225	377	0	377	67.5	1.0	3.23	3.2	141.9	4.5	149.6									
Subtotal (Section NETC-1)						377	67.5	1.0	3.23	3.2	141.9	4.5	149.6		2937.6	97808	254.7	2.01	511.4	2877.1	3388.5	33,393
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	68.4	5.1	82.4									
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	68.4	5.1	82.4		2982.7	98943	257.7	2.00	516.3	2950.6	3466.9	33,823
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1284.1	96.2	1675.9									
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1284.1	96.2	1675.9		3829.3	164761	429.1	1.83	785.9			

NET/ECI Estimated Wastewater Flows
Year = 2005, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	94.5	2.3	107.6								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	94.5	2.3	107.6	40.6	1398	3.6	2.96	10.8	96.8	107.6	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	136.9	3.3	164.9								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	28.9	0.7	34.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.89	29.4	165.7	4.0	199.2	111.8	5480	14.3	3.21	45.8	266.5	312.3	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	74.5	1.0	89.7								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	74.5	1.0	89.7	151.5	7360	19.2	3.09	59.1	342.1	401.2	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	283.9	19.4	339.9								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	130.5	8.9	152.4								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	38.3	0.5	46.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	23.5	0.3	30.3								
Subtotal (Section NETB-4)						8897	182.8	23.2	63.3	476.2	29.2	568.6	334.3	16257	42.3	2.74	116.1	847.4	963.5	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	175.6	2.4	217.5								
Broom	30A02	NEBMH033	225	2342	368	2710	145.5	7.1	2.78	19.6	127.3	8.5	155.4								
Broom	30B01	NEBMH032	225	361	0	361	11.5	0.9	3.23	3.0	6.3	0.7	10.0								
Broom	30B02	NEBMH030	225	317	47	364	6.4	0.9	3.23	3.1	3.5	0.4	6.9								
Subtotal (Section NETB-5)						9416	256.9	24.5	65.3	312.6	11.9	389.8	591.2	25673	66.9	2.54	170.1	1171.9	1342.0	8,068	
Broom	30B03	NEBMH028	225	622	391	1013	20.8	2.6	3.04	8.0	11.3	1.2	20.6								
Broom	30B04	NEBMH027	225	0	494	494	5.5	1.3	3.18	4.1	3.0	0.3	7.4								
Broom	30B05	NEBMH026	225	224	111	335	8.5	0.9	3.25	2.8	4.6	0.5	8.0								
Broom	30B06	NEBMH026	225	235	5	240	4.1	0.6	3.29	2.1	2.2	0.2	4.5								
Broom	30B07	NEBMH025	225	81	0	81	2.4	0.2	3.41	0.7	1.3	0.1	2.2								
Subtotal (Section NETB-6)						2163	41.3	5.6	17.7	22.5	2.4	42.6	632.5	27836	72.5	2.51	181.9	1196.9	1378.8	8,715	
Broom	30B09	NEBMH024	225	2234	272	2506	65.2	6.5	2.81	18.3	35.6	3.8	57.7								
Broom	30B08	NEBMH022	225	127	0	127	4.2	0.3	3.37	1.1	2.3	0.2	3.6								
Broom	30B10	NEBMH020	225	43	8	51	3.5	0.1	3.45	0.5	1.9	0.2	2.6								
Broom	30B11	NEBMH020	225	67	0	67	2.1	0.2	3.43	0.6	1.1	0.1	1.9								
Windsor	31A	NEBMH017	225	119	0	119	4.6	0.5	3.38	1.0	2.5	0.3	3.8								
Subtotal (Section NETB-7)						2870	79.6	7.5	21.5	43.4	4.6	69.6	712.1	30706	80.0	2.47	197.3	1244.9	1442.2	9,669	
Esplanade	29	NEBMH014	225	347	63	410	15.4	1.1	3.21	3.4	13.5	0.9	17.8								
Subtotal (Section NETB-8)						410	15.4	1.1	3.21	3.4	13.5	0.9	17.8	727.5	31116	81.0	2.46	199.5	1259.3	1458.8	9,821
Windsor	31B	NEBMH003	225	1660	207	1867	57.2	4.9	2.89	14.0	31.2	3.3	48.6								
Currie	32	NEBMH001	225	4888	267	5155	202.7	13.4	2.59	34.7	470.7	19.8	525.2								
Subtotal (Section NETB-9)						7022	259.9	18.3	48.8	501.9	23.1	573.7	987.4	38138	99.3	2.38	236.0	1784.3	2020.3	12,408	

NET-B Ends at the Currie Major Pump Station

ECI																					
Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	272.7	39.5	535.1								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	272.7	39.5	535.1	1069.2	35578	92.7	2.40	222.8	312.3	535.1	12,149
Penryhn	24	Penryhn	225	2898	3466	6364	280.8	16.6	2.52	41.7	55.4	6.1	103.2								
Broom	30A01	Penryhn	225	194	3723	3917	68.4	10.2	2.67	27.3	59.8	4.0	91.1								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	115.3	10.0	194.3	1418.4	45859	119.4	2.30	274.6	437.6	712.2	15,816
Humber	25	Humber	225	407	132	539	56.2	1.4	3.17	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						539	56.2	1.4	3.17	4.4	90.0	4.6	99.0	1474.6	46398	120.8	2.29	277.3	532.1	809.4	16,155
Rutland	26	Rutland	225	743	0	743	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						743	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	47141	122.8	2.29	280.9	624.0	905.0	16,626
Estevan	27	ECIMH029	225	1599	101	1700	72.7	4.4	2.91	12.9	71.6	3.2	87.6								
Dalhousie	28	ECIMH029	225	771	0	771	29.4	2.0	3.10	6.2	28.9	1.3	36.5								
Subtotal (Section ECI-5)						2471	102.1	6.4	19.1	100.5	4.5	124.1	1655.1	49613	129.2	2.27	293.0	729.0	1022.0	17,578	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	87751	228.5	2.05	467.8	2513.3	2981.2	29,986

Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	546.0	15.1	620.9								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	546.0	15.1	620.9	2870.1	97431	253.7	2.01	509.8	3074.4	3584.2	33,046
Hartley/Hollywood	35	ECIMH001	225	377	0	377	67.5	1.0	3.23	3.2	161.9	4.5	169.8								
Subtotal (Section NETC-1)						377	67.5	1.0	3.23	3.2	161.9	4.5	169.8	2937.6	97808	254.7	2.01	511.4	3240.8	3752.2	33,393
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	76.6	5.1	90.7								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	76.6	5.1	90.7	2982.7	98943	257.7	2.00	516.3	3322.6	3838.9	33,823
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1438.8	96.2	1830.6								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1438.8	96.2	1830.6	3829.3	164761	429.1	1.83	785.9	4857.6	5643.4	51,914

NET/ECI Estimated Wastewater Flows
Year = 2005, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	114.3	2.3	127.3								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	114.3	2.3	127.3	40.6	1398	3.6	2.96	10.8	116.5	127.3	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	165.5	3.3	193.5								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	34.9	0.7	40.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.89	29.4	200.4	4.0	233.8	111.8	5480	14.3	3.21	45.8	320.9	366.6	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	86.3	1.0	101.5								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	86.3	1.0	101.5	151.5	7360	19.2	3.09	59.1	408.2	467.3	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	318.5	19.4	374.5								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	146.4	8.9	168.3								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	44.3	0.5	52.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	27.2	0.3	34.0								
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	536.4	29.2	628.9	334.3	16257	42.3	2.74	116.1	973.8	1089.9	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	203.2	2.4	245.2								
Broom	30A02	NEBMH033	225	2342	368	2710	145.5	7.1	2.78	19.6	152.9	8.5	181.0								
Broom	30B01	NEBMH032	225	361	0	361	11.5	0.9	3.23	3.0	6.9	0.7	10.6								
Broom	30B02	NEBMH030	225	317	47	364	6.4	0.9	3.23	3.1	3.8	0.4	7.3								
Subtotal (Section NETB-5)						9416	256.9	24.5	65.3	366.9	11.9	444.1	591.2	25673	66.9	2.54	170.1	1352.6	1522.7	8,068	
Broom	30B03	NEBMH028	225	622	391	1013	20.8	2.6	3.04	8.0	12.5	1.2	21.7								
Broom	30B04	NEBMH027	225	0	494	494	5.5	1.3	3.18	4.1	3.3	0.3	7.7								
Broom	30B05	NEBMH026	225	224	111	335	8.5	0.9	3.25	2.8	5.1	0.5	8.4								
Broom	30B06	NEBMH026	225	235	5	240	4.1	0.6	3.29	2.1	2.5	0.2	4.8								
Broom	30B07	NEBMH025	225	81	0	81	2.4	0.2	3.41	0.7	1.4	0.1	2.3								
Subtotal (Section NETB-6)						2163	41.3	5.6	17.7	24.8	2.4	45.0	632.5	27836	72.5	2.51	181.9	1379.8	1561.7	8,715	
Broom	30B09	NEBMH024	225	2234	272	2506	65.2	6.5	2.81	18.3	39.2	3.8	61.3								
Broom	30B08	NEBMH022	225	127	0	127	4.2	0.3	3.37	1.1	2.5	0.2	3.9								
Broom	30B10	NEBMH020	225	43	8	51	3.5	0.1	3.45	0.5	2.1	0.2	2.8								
Broom	30B11	NEBMH020	225	67	0	67	2.1	0.2	3.43	0.6	1.3	0.1	2.0								
Windsor	31A	NEBMH017	225	119	0	119	4.6	0.5	3.38	1.0	2.9	0.3	4.1								
Subtotal (Section NETB-7)						2870	79.6	7.5	21.5	47.9	4.6	74.0	712.1	30706	80.0	2.47	197.3	1432.3	1629.6	9,669	
Esplanade	29	NEBMH014	225	347	63	410	15.4	1.1	3.21	3.4	16.2	0.9	20.5								
Subtotal (Section NETB-8)						410	15.4	1.1	3.21	3.4	16.2	0.9	20.5	727.5	31116	81.0	2.46	199.5	1449.4	1648.9	9,821
Windsor	31B	NEBMH003	225	1660	207	1867	57.2	4.9	2.89	14.0	34.4	3.3	51.8								
Currie	32	NEBMH001	225	4888	267	5155	202.7	13.4	2.59	34.7	543.9	19.8	598.4								
Subtotal (Section NETB-9)						7022	259.9	18.3	48.8	578.3	23.1	650.2	987.4	38138	99.3	2.38	236.0	2050.8	2286.8	12,408	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	321.2	39.5	583.6								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	321.2	39.5	583.6	1069.2	35578	92.7	2.40	222.8	360.8	583.6	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	68.1	6.1	115.9								
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	71.9	4.0	103.1								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	140.0	10.0	219.0	1418.4	45859	119.4	2.30	274.6	510.7	785.4	15,816
Humber	25	Humber	225	407	132	539	56.2	1.4	3.17	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						539	56.2	1.4	3.17	4.4	90.0	4.6	99.0	1474.6	46398	120.8	2.29	277.3	605.3	882.6	16,155
Rutland	26	Rutland	225	743	0	743	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						743	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	47141	122.8	2.29	280.9	697.2	978.2	16,626
Estevan	27	ECIMH029	225	1599	101	1700	72.7	4.4	2.91	12.9	78.6	3.2	94.7								
Dalhousie	28	ECIMH029	225	771	0	771	29.4	2.0	3.10	6.2	31.8	1.3	39.3								
Subtotal (Section ECI-5)						2471	102.1	6.4	19.1	110.4	4.5	133.9	1655.1	49613	129.2	2.27	293.0	812.1	1105.1	17,578	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	87751	228.5	2.05	467.8	2862.9	3330.7	29,986

Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	631.8	15.1	706.7								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	631.8	15.1	706.7	2870.1	97431	253.7	2.01	509.8	3509.7	4019.5	33,046
Hartley/Hollywood	35	ECIMH001	225	377	0	377	67.5	1.0	3.23	3.2	187.4	4.5	195.0								
Subtotal (Section NETC-1)						377	67.5	1.0	3.23	3.2	187.4	4.5	195.0	2937.6	97808	254.7	2.01	511.4	3701.5	4213.0	33,393
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	87.1	5.1	101.1								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	87.1	5.1	101.1	2982.7	98943	257.7	2.00	516.3	3793.7	4310.0	33,823
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1634.4	96.2	2026.2								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1634.4	96.2	2026.2	3829.3	164761	429.1	1.83	785.9	5524.4	6310.2	51,914

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2005, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	225	1398	0	1398	40.6	3.6	2.96	10.8	143.6	2.3	156.6								
Subtotal (Section NETB-1)						1398	40.6	3.6	2.96	10.8	143.6	2.3	156.6	40.6	1398	3.6	2.96	10.8	145.8	156.6	472
Trent	39A02	NEBMH062	225	2152	1352	3504	58.8	9.1	2.71	24.7	207.9	3.3	235.9								
Trent	39A03	NEBMH059	225	470	107	577	12.4	1.5	3.15	4.7	43.8	0.7	49.3								
Subtotal (Section NETB-2)						4081	71.2	10.6	2.89	29.4	251.8	4.0	285.2	111.8	5480	14.3	3.21	45.8	401.6	447.4	1,666
Trent	39C03	NEBMH054	225	1735	145	1880	39.7	4.9	2.89	14.1	103.7	1.0	118.9								
Subtotal (Section NETB-3)						1880	39.7	4.9	2.89	14.1	103.7	1.0	118.9	151.5	7360	19.2	3.09	59.1	506.3	565.5	2,243
Trent	39B01	NEBMH050	225	5083	386	5469	102.7	14.2	2.57	36.6	369.6	19.4	425.6								
Trent	39B02	NEBMH050	225	1612	110	1722	47.2	4.5	2.91	13.0	169.9	8.9	191.8								
Trent	39C02	NEBMH049	225	897	0	897	20.4	2.3	3.06	7.2	63.3	0.5	61.0								
Trent	39C04	NEBMH041	225	373	436	809	12.5	2.1	3.09	6.5	32.7	0.3	39.5								
Subtotal (Section NETB-4)						8897	162.8	23.2	63.3	625.4	29.2	717.8	334.3	16257	42.3	2.74	116.1	1160.9	1277.1	4,954	
Trent	39C01	NEBMH035	225	5170	811	5981	93.5	15.6	2.54	39.5	244.3	2.4	286.3								
Broom	30A02	NEBMH033	225	2342	368	2710	145.5	7.1	2.78	19.6	190.9	8.5	219.0								
Broom	30B01	NEBMH032	225	361	0	361	11.5	0.9	3.23	3.0	7.9	0.7	11.6								
Broom	30B02	NEBMH030	225	317	47	364	6.4	0.9	3.23	3.1	4.4	0.4	7.8								
Subtotal (Section NETB-5)						9416	256.9	24.5	65.3	447.4	11.9	524.6	591.2	25673	66.9	2.54	170.1	1620.3	1790.4	8,068	
Broom	30B03	NEBMH028	225	622	391	1013	20.8	2.6	3.04	8.0	14.2	1.2	23.4								
Broom	30B04	NEBMH027	225	0	494	494	5.5	1.3	3.18	4.1	3.8	0.3	8.2								
Broom	30B05	NEBMH026	225	224	111	335	8.5	0.9	3.25	2.8	5.8	0.5	9.1								
Broom	30B06	NEBMH026	225	235	5	240	4.1	0.6	3.29	2.1	2.8	0.2	5.1								
Broom	30B07	NEBMH025	225	81	0	81	2.4	0.2	3.41	0.7	1.6	0.1	2.5								
Subtotal (Section NETB-6)						2163	41.3	5.6	17.7	28.2	2.4	48.3	632.5	27836	72.5	2.51	181.9	1650.9	1832.8	8,715	
Broom	30B09	NEBMH024	225	2234	272	2506	65.2	6.5	2.81	18.3	44.6	3.8	66.7								
Broom	30B08	NEBMH022	225	127	0	127	4.2	0.3	3.37	1.1	2.9	0.2	4.2								
Broom	30B10	NEBMH020	225	43	8	51	3.5	0.1	3.45	0.5	2.4	0.2	3.1								
Broom	30B11	NEBMH020	225	67	0	67	2.1	0.2	3.43	0.6	1.4	0.1	2.2								
Windsor	31A	NEBMH017	225	119	0	119	4.6	0.5	3.38	1.0	3.1	0.3	4.5								
Subtotal (Section NETB-7)						2870	79.6	7.5	21.5	54.4	4.6	80.6	712.1	30706	80.0	2.47	197.3	1709.9	1907.2	9,669	
Esplanade	29	NEBMH014	225	347	63	410	15.4	1.1	3.21	3.4	20.2	0.9	24.5								
Subtotal (Section NETB-8)						410	15.4	1.1	3.21	3.4	20.2	0.9	24.5	727.5	31116	81.0	2.46	199.5	1731.0	1930.5	9,821
Windsor	31B	NEBMH003	225	1660	207	1867	57.2	4.9	2.89	14.0	39.1	3.3	56.5								
Currie	32	NEBMH001	225	4888	267	5155	202.7	13.4	2.59	34.7	652.1	19.8	706.6								
Subtotal (Section NETB-9)						7022	259.9	18.3	48.8	691.2	23.1	763.1	987.4	38138	99.3	2.38	236.0	2445.4	2681.3	12,408	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	225	25086	10492	35578	1069.2	92.7	2.40	222.8	392.9	39.5	655.2								
Subtotal (Section ECI-1)						35578	1069.2	92.7	2.40	222.8	392.9	39.5	655.2	1069.2	35578	92.7	2.40	222.8	432.4	655.2	12,149
Penryn	24	Penryn	225	2898	3466	6364	280.8	16.6	2.52	41.7	86.8	6.1	134.5								
Broom	30A01	Penryn	225	194	3723	3917	68.4	10.2	2.67	27.3	89.7	4.0	121.0								
Subtotal (Section ECI-2)						10281	349.2	26.8	5.19	69.0	176.5	10.0	255.5	1418.4	45859	119.4	2.30	274.6	618.9	893.6	15,816
Humber	25	Humber	225	407	132	539	56.2	1.4	3.17	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						539	56.2	1.4	3.17	4.4	90.0	4.6	99.0	1474.6	46398	120.8	2.29	277.3	713.5	990.8	16,155
Rutland	26	Rutland	225	743	0	743	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						743	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	47141	122.8	2.29	280.9	805.4	1086.4	16,626
Estevan	27	ECIMH029	225	1599	101	1700	72.7	4.4	2.91	12.9	88.9	3.2	105.0								
Dalhousie	28	ECIMH029	225	771	0	771	29.4	2.0	3.10	6.2	36.0	1.3	43.5								
Subtotal (Section ECI-5)						2471	102.1	6.4	19.1	124.9	4.5	148.5	1655.1	49613	129.2	2.27	293.0	934.8	1227.8	17,578	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	87751	228.5	2.05	467.8	3380.1	3848.0	29,986
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Richmond	34	ECIMH005	225	8096	1584	9680	227.6	25.2	2.37	59.9	758.3	15.1	833.3								
Subtotal (Section ECI-7)						9680	227.6	25.2	2.37	59.9	758.3	15.1	833.3	2870.1	97431	253.7	2.01	509.8	4153.5	4663.3	33,046
Hartley/Hollywood	35	ECIMH001	225	377	0	377	67.5	1.0	3.23	3.2	224.9	4.5	232.5								
Subtotal (Section NETC-1)						377	67.5	1.0	3.23	3.2	224.9	4.5	232.5	2937.6	97808	254.7	2.01	511.4	4382.9	4894.3	33,393
Bushby	37	NECMH010	225	1127	7	1134	45.1	3.0	3.01	8.9	102.5	5.1	116.5								
Subtotal (Section NETC-2)						1134	45.1	3.0	3.01	8.9	102.5	5.1	116.5	2982.7	98943	257.7	2.00	516.3	4490.5	5006.8	33,823
Clover	38	NECMH003	225	39379	26440	65819	846.6	171.4	1.72	295.6	1923.3	96.2	2315.2								
Subtotal (Section NETC-3)						65819	846.6	171.4	1.72	295.6	1923.3	96.2	2315.2	3829.3	164761	429.1	1.83	785.9	6510.0	7295.9	51,914

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	223	1492	0	1492	40.6	3.9	2.95	11.3	55.2	2.3	68.8								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.3	55.2	2.3	68.8	40.6	1492	3.9	2.95	11.3	55.2	68.8	490
Trent	39A02	NEBMH062	223	2296	1414	3710	58.8	9.6	2.69	25.8	80.0	3.3	109.0								
Trent	39A03	NEBMH059	223	501	111	612	12.4	1.6	3.14	5.0	16.9	0.7	22.5								
Subtotal (Section NETB-2)						4322	71.2	11.2	30.7	96.8	4.0	131.5	111.8	5814	15.0	3.18	47.8	158.3	206.1	1,730	
Trent	39C03	NEBMH054	223	1857	155	2012	39.7	5.2	2.87	14.9	51.2	1.0	67.1								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	14.9	51.2	1.0	67.1	151.5	7825	20.2	3.06	61.8	210.5	272.3	2,332
Trent	39B01	NEBMH050	223	5422	400	5822	102.7	15.0	2.55	38.3	215.3	19.4	272.9								
Trent	39B02	NEBMH050	223	1719	114	1833	47.2	4.7	2.89	13.7	98.9	8.9	121.5								
Trent	39C02	NEBMH049	223	959	0	959	20.4	2.5	3.05	7.5	26.3	0.5	34.4								
Trent	39C04	NEBMH041	223	368	467	835	12.5	2.2	3.08	6.6	16.1	0.3	23.1								
Subtotal (Section NETB-4)						9448	182.8	24.4	66.1	356.6	29.2	451.9	334.3	17274	44.6	2.72	121.1	596.3	717.4	5,148	
Trent	39C01	NEBMH035	223	5514	840	6354	93.5	16.4	2.52	41.3	120.5	2.4	164.3								
Broom	30A02	NEBMH033	223	2356	373	2729	145.5	7.0	2.78	19.6	76.3	8.5	104.4								
Broom	30B01	NEBMH032	223	351	0	351	11.5	0.9	3.24	2.9	5.0	0.7	8.6								
Broom	30B02	NEBMH030	223	319	47	366	6.4	0.9	3.23	3.1	2.8	0.4	6.2								
Subtotal (Section NETB-5)						9801	256.9	25.3	66.9	204.7	11.9	283.5	591.2	27075	69.9	2.52	176.2	812.9	989.1	8,329	
Broom	30B03	NEBMH028	223	658	403	1061	20.8	2.7	3.03	8.3	9.1	1.2	18.6								
Broom	30B04	NEBMH027	223	0	502	502	5.5	1.3	3.18	4.1	2.4	0.3	6.8								
Broom	30B05	NEBMH026	223	225	113	338	8.5	0.9	3.24	2.8	3.7	0.5	7.0								
Broom	30B06	NEBMH026	223	236	4	240	4.1	0.6	3.29	2.0	1.8	0.2	4.1								
Broom	30B07	NEBMH025	223	82	0	82	2.4	0.2	3.41	0.7	1.0	0.1	1.9								
Subtotal (Section NETB-6)						2223	41.3	5.7	18.0	18.1	2.4	38.5	632.5	29298	75.6	2.49	188.1	833.3	1021.4	8,985	
Broom	30B09	NEBMH024	223	2247	277	2524	65.2	6.5	2.80	18.3	28.5	3.8	50.6								
Broom	30B08	NEBMH022	223	127	0	127	4.2	0.3	3.37	1.1	1.8	0.2	3.2								
Broom	30B10	NEBMH020	223	43	8	51	3.5	0.1	3.45	0.5	1.5	0.2	2.2								
Broom	30B11	NEBMH020	223	66	0	66	2.1	0.2	3.43	0.6	0.9	0.1	1.6								
Windsor	31A	NEBMH017	223	119	0	119	4.6	0.3	3.38	1.0	2.0	0.3	3.3								
Subtotal (Section NETB-7)						2889	79.6	7.5	21.5	34.8	4.6	60.9	712.1	32187	83.1	2.45	203.3	872.8	1076.1	9,938	
Esplanade	29	NEBMH014	223	349	65	414	15.4	1.1	3.21	3.4	8.1	0.9	12.4								
Subtotal (Section NETB-8)						414	15.4	1.1	3.21	3.4	8.1	0.9	12.4	727.5	32601	84.1	2.44	205.5	881.7	1087.2	10,090
Windsor	31B	NEBMH003	223	1670	211	1881	57.2	4.9	2.89	14.0	25.0	3.3	42.3								
Currie	32	NEBMH001	223	4916	271	5187	202.7	13.4	2.58	34.6	325.2	19.8	379.5								
Subtotal (Section NETB-9)						7068	259.9	18.2	48.6	350.2	23.1	421.8	987.4	39669	102.4	2.36	241.6	1255.0	1496.5	12,673	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	223	24783	10818	35601	1069.2	91.9	2.40	221.0	176.4	39.5	436.9								
Subtotal (Section ECI-1)						35601	1069.2	91.9	2.40	221.0	176.4	39.5	436.9	1069.2	35601	91.9	2.40	221.0	215.9	436.9	12,083
Penryn	24	Penryn	223	2863	4449	7312	280.8	18.9	2.47	46.6	30.3	6.1	83.0								
Broom	30A01	Penryn	223	195	4548	4743	68.4	12.2	2.61	32.0	35.9	4.0	71.8								
Subtotal (Section ECI-2)						12055	349.2	31.1	5.08	78.6	66.2	10.0	154.8	1418.4	47656	123.0	2.28	280.9	292.1	573.1	16,125
Humber	25	Humber	223	409	135	544	56.2	1.4	3.16	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						544	56.2	1.4	3.16	4.4	90.0	4.6	99.0	1474.6	48200	124.4	2.28	283.6	386.7	670.3	16,464
Rutland	26	Rutland	223	748	0	748	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						748	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	48947	126.3	2.27	287.2	478.6	765.8	16,935
Estevan	27	ECIMH029	223	1609	102	1711	72.7	4.4	2.91	12.8	57.7	3.2	73.7								
Dalhousie	28	ECIMH029	223	776	0	776	29.4	2.0	3.09	6.2	23.3	1.3	30.8								
Subtotal (Section ECI-5)						2487	102.1	6.4	19.0	81.0	4.5	104.5	1655.1	51434	132.8	2.25	299.1	564.1	863.2	17,885	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	91103	235.1	2.03	478.2	1819.1	2297.2	30,558
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Richmond	34	ECIMH005	223	8613	1642	10255	227.6	26.5	2.36	62.3	375.9	15.1	453.3								
Subtotal (Section ECI-7)						10255	227.6	26.5	2.36	62.3	375.9	15.1	453.3	2870.1	101358	261.6	2.00	522.0	2210.0	2731.9	33,727
Hartley/Hollywood	35	ECIMH001	223	379	0	379	67.5	1.0	3.23	3.2	111.5	4.5	119.1								
Subtotal (Section NETC-1)						379	67.5	1.0	3.23	3.2	111.5	4.5	119.1	2937.6	101737	262.6	1.99	523.6	2325.9	2849.5	34,073
Bushby	37	NECMH010	223	1203	7	1210	45.1	3.1	3.00	9.4	55.9	5.1	70.4								
Subtotal (Section NETC-2)						1210	45.1	3.1	3.00	9.4	55.9	5.1	70.4	2982.7	102947	265.7	1.99	528.7	2387.0	2915.7	34,518
Clover	38	NECMH003	223	41993	33732	75725	846.6	195.4	1.68	328.7	1050.1	96.2	1475.0								
Subtotal (Section NETC-3)						75725	846.6	195.4	1.68	328.7	1050.1	96.2	1475.0	3829.3	178672	461.2	1.81	832.9	3533.3	4366.2	54,686

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m³/d)
Trent	39A01	NEBMH066	223	1492	0	1492	40.6	3.9	2.95	11.3	78.8	2.3	92.4								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.3	78.8	2.3	92.4	40.6	1492	3.9	2.95	11.3	81.1	92.4	490
Trent	39A02	NEBMH062	223	2296	1414	3710	58.8	9.6	2.69	25.8	114.2	3.3	143.2								
Trent	39A03	NEBMH059	223	501	111	612	12.4	1.6	3.14	5.0	24.1	0.7	29.7								
Subtotal (Section NETB-2)						4322	71.2	11.2	30.7	138.2	4.0	172.9	111.8	5814	15.0	3.18	47.8	223.3	271.1	1,730	
Trent	39C03	NEBMH054	223	1857	155	2012	39.7	5.2	2.87	14.9	65.2	1.0	81.1								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	14.9	65.2	1.0	81.1	151.5	7825	20.2	3.06	61.8	289.6	351.4	2,332
Trent	39B01	NEBMH050	223	5422	400	5822	102.7	15.0	2.55	38.3	256.7	19.4	314.4								
Trent	39B02	NEBMH050	223	1719	114	1833	47.2	4.7	2.89	13.7	118.0	8.9	140.6								
Trent	39C02	NEBMH049	223	959	0	959	20.4	2.5	3.05	7.5	33.5	0.5	41.6								
Trent	39C04	NEBMH041	223	368	467	835	12.5	2.2	3.08	6.6	20.5	0.3	27.5								
Subtotal (Section NETB-4)						9448	182.8	24.4	66.1	428.7	29.2	524.0	334.3	17274	44.6	2.72	121.1	747.5	868.6	5,148	
Trent	39C01	NEBMH035	223	5514	840	6354	93.5	16.4	2.52	41.3	153.6	2.4	197.3								
Broom	30A02	NEBMH033	223	2356	373	2729	145.5	7.0	2.78	19.6	106.9	8.5	135.0								
Broom	30B01	NEBMH032	223	351	0	351	11.5	0.9	3.24	2.9	5.8	0.7	9.4								
Broom	30B02	NEBMH030	223	319	47	366	6.4	0.9	3.23	3.1	3.2	0.4	6.6								
Subtotal (Section NETB-5)						9801	256.9	25.3	66.9	269.6	11.9	348.4	591.2	27075	69.9	2.52	176.2	1028.9	1205.1	8,329	
Broom	30B03	NEBMH028	223	658	403	1061	20.8	2.7	3.03	8.3	10.5	1.2	20.0								
Broom	30B04	NEBMH027	223	0	502	502	5.5	1.3	3.18	4.1	2.8	0.3	7.2								
Broom	30B05	NEBMH026	223	225	113	338	8.5	0.9	3.24	2.8	4.3	0.5	7.6								
Broom	30B06	NEBMH026	223	236	4	240	4.1	0.6	3.29	2.0	2.1	0.2	4.3								
Broom	30B07	NEBMH025	223	82	0	82	2.4	0.2	3.41	0.7	1.2	0.1	2.1								
Subtotal (Section NETB-6)						2223	41.3	5.7	18.0	20.8	2.4	41.2	632.5	29298	75.6	2.49	188.1	1052.1	1240.2	8,985	
Broom	30B09	NEBMH024	223	2247	277	2524	65.2	6.5	2.80	18.3	32.8	3.8	54.9								
Broom	30B08	NEBMH022	223	127	0	127	4.2	0.3	3.37	1.1	2.1	0.2	3.5								
Broom	30B10	NEBMH020	223	43	8	51	3.5	0.1	3.45	0.5	1.8	0.2	2.4								
Broom	30B11	NEBMH020	223	66	0	66	2.1	0.2	3.43	0.6	1.1	0.1	1.8								
Windsor	31A	NEBMH017	223	119	0	119	4.6	0.5	3.38	1.0	2.3	0.3	3.6								
Subtotal (Section NETB-7)						2889	79.6	7.5	21.5	40.1	4.6	66.2	712.1	32187	83.1	2.45	203.3	1096.8	1300.2	9,938	
Esplanade	29	NEBMH014	223	349	65	414	15.4	1.1	3.21	3.4	11.3	0.9	15.6								
Subtotal (Section NETB-8)						414	15.4	1.1	3.21	3.4	11.3	0.9	15.6	727.5	32601	84.1	2.44	205.5	1109.1	1314.5	10,090
Windsor	31B	NEBMH003	223	1670	211	1881	57.2	4.9	2.89	14.0	28.8	3.3	46.1								
Currie	32	NEBMH001	223	4916	271	5187	202.7	13.4	2.58	34.6	412.8	19.8	467.1								
Subtotal (Section NETB-9)						7068	259.9	18.2	48.6	441.6	23.1	513.2	987.4	39669	102.4	2.36	241.6	1573.7	1815.3	12,673	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	223	24783	10818	35601	1069.2	91.9	2.40	221.0	234.4	39.5	494.9								
Subtotal (Section ECI-1)						35601	1069.2	91.9	2.40	221.0	234.4	39.5	494.9	1069.2	35601	91.9	2.40	221.0	273.9	494.9	12,083
Penryn	24	Penryn	223	2863	4449	7312	280.8	18.9	2.47	46.6	45.4	6.1	98.1								
Broom	30A01	Penryn	223	195	4548	4743	68.4	12.2	2.61	32.0	50.3	4.0	86.2								
Subtotal (Section ECI-2)						12055	349.2	31.1	5.08	78.6	95.7	10.0	184.4	1418.4	47656	123.0	2.28	280.9	379.7	660.6	16,125
Humber	25	Humber	223	409	135	544	56.2	1.4	3.16	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						544	56.2	1.4	3.16	4.4	90.0	4.6	99.0	1474.6	48200	124.4	2.28	283.6	474.2	757.8	16,464
Rutland	26	Rutland	223	748	0	748	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						748	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	48947	126.3	2.27	287.2	566.1	853.3	16,935
Estevan	27	ECIMH029	223	1609	102	1711	72.7	4.4	2.91	12.8	66.1	3.2	82.1								
Dalhousie	28	ECIMH029	223	776	0	776	29.4	2.0	3.09	6.2	26.7	1.3	34.2								
Subtotal (Section ECI-5)						2487	102.1	6.4	19.0	92.8	4.5	116.3	1655.1	51434	132.8	2.25	299.1	663.4	962.5	17,885	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	91103	235.1	2.03	478.2	2237.1	2715.3	30,558

Richmond	34	ECIMH005	223	8613	1642	10255	227.6	26.5	2.36	62.3	478.5	15.1	555.9								
Subtotal (Section ECI-7)						10255	227.6	26.5	2.36	62.3	478.5	15.1	555.9	2870.1	101358	261.6	2.00	522.0	2730.7	3252.6	33,727
Hartley/Hollywood	35	ECIMH001	223	379	0	379	67.5	1.0	3.23	3.2	141.9	4.5	149.5								
Subtotal (Section NETC-1)						379	67.5	1.0	3.23	3.2	141.9	4.5	149.5	2937.6	101737	262.6	1.99	523.6	2877.1	3400.6	34,073
Bushby	37	NECMH010	223	1203	7	1210	45.1	3.1	3.00	9.4	68.4	5.1	82.9								
Subtotal (Section NETC-2)						1210	45.1	3.1	3.00	9.4	68.4	5.1	82.9	2982.7	102947	265.7	1.99	528.7	2950.6	3479.3	34,518
Clover	38	NECMH003	223	41993	33732	75725	846.6	195.4	1.68	328.7	1284.1	96.2	1709.0								
Subtotal (Section NETC-3)						75725	846.6	195.4	1.68	328.7	1284.1	96.2	1709.0	3829.3	178672	461.2	1.81	832.9	4330.9	5163.8	54,686

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	223	1492	0	1492	40.6	3.9	2.95	11.3	94.5	2.3	108.1				2.95	11.3	96.8	108.1	490
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.3	94.5	2.3	108.1	40.6	1492	3.9	2.95	11.3	96.8	108.1	490
Trent	39A02	NEBMH062	223	2296	1414	3710	58.8	9.6	2.69	25.8	136.9	3.3	165.9								
Trent	39A03	NEBMH059	223	501	111	612	12.4	1.6	3.14	5.0	28.9	0.7	34.5								
Subtotal (Section NETB-2)						4322	71.2	11.2	2.87	30.7	165.7	4.0	200.4	111.8	5814	15.0	3.18	47.8	266.5	314.2	1,730
Trent	39C03	NEBMH054	223	1857	155	2012	39.7	5.2	2.87	14.9	74.5	1.0	90.5								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	14.9	74.5	1.0	90.5	151.5	7825	20.2	3.06	61.8	342.1	403.9	2,332
Trent	39B01	NEBMH050	223	5422	400	5822	102.7	15.0	2.55	38.3	283.9	19.4	341.6								
Trent	39B02	NEBMH050	223	1719	114	1833	47.2	4.7	2.89	13.7	130.5	8.9	153.1								
Trent	39C02	NEBMH049	223	959	0	959	20.4	2.5	3.05	7.5	38.3	0.5	46.4								
Trent	39C04	NEBMH041	223	368	467	835	12.5	2.2	3.08	6.6	23.5	0.3	30.4								
Subtotal (Section NETB-4)						9448	182.8	24.4	66.1	476.2	29.2	571.5	334.3	17274	44.6	2.72	121.1	847.4	968.5	5,148	
Trent	39C01	NEBMH035	223	5514	840	6354	93.5	16.4	2.52	41.3	175.6	2.4	219.3								
Broom	30A02	NEBMH033	223	2356	373	2729	145.5	7.0	2.78	19.6	127.3	8.5	155.3								
Broom	30B01	NEBMH032	223	351	0	351	11.5	0.9	3.24	2.9	6.3	0.7	9.9								
Broom	30B02	NEBMH030	223	319	47	366	6.4	0.9	3.23	3.1	3.5	0.4	6.9								
Subtotal (Section NETB-5)						9801	256.9	25.3	66.9	312.6	11.9	391.4	591.2	27075	69.9	2.52	176.2	1171.9	1348.1	8,329	
Broom	30B03	NEBMH028	223	658	403	1061	20.8	2.7	3.03	8.3	11.3	1.2	20.8								
Broom	30B04	NEBMH027	223	0	502	502	5.5	1.3	3.18	4.1	3.0	0.3	7.4								
Broom	30B05	NEBMH026	223	225	113	338	8.5	0.9	3.24	2.8	4.6	0.5	8.0								
Broom	30B06	NEBMH026	223	236	4	240	4.1	0.6	3.29	2.0	2.2	0.2	4.5								
Broom	30B07	NEBMH025	223	82	0	82	2.4	0.2	3.41	0.7	1.3	0.1	2.2								
Subtotal (Section NETB-6)						2223	41.3	5.7	18.0	22.5	2.4	42.9	632.5	29298	75.6	2.49	188.1	1196.9	1385.0	8,985	
Broom	30B09	NEBMH024	223	2247	277	2524	65.2	6.5	2.80	18.3	35.6	3.8	57.6								
Broom	30B08	NEBMH022	223	127	0	127	4.2	0.3	3.37	1.1	2.3	0.2	3.6								
Broom	30B10	NEBMH020	223	43	8	51	3.5	0.1	3.45	0.5	1.9	0.2	2.6								
Broom	30B11	NEBMH020	223	66	0	66	2.1	0.2	3.43	0.6	1.1	0.1	1.9								
Windsor	31A	NEBMH017	223	119	0	119	4.6	0.5	3.38	1.0	2.5	0.3	3.8								
Subtotal (Section NETB-7)						2889	79.6	7.5	21.5	43.4	4.6	69.5	712.1	32187	83.1	2.45	203.3	1244.9	1448.2	9,938	
Esplanade	29	NEBMH014	223	349	65	414	15.4	1.1	3.21	3.4	13.5	0.9	17.8								
Subtotal (Section NETB-8)						414	15.4	1.1	3.21	3.4	13.5	0.9	17.8	727.5	32601	84.1	2.44	205.5	1259.3	1464.8	10,090
Windsor	31B	NEBMH003	223	1670	211	1881	57.2	4.9	2.89	14.0	31.2	3.3	48.5								
Currie	32	NEBMH001	223	4916	271	5187	202.7	13.4	2.58	34.6	470.7	19.8	525.0								
Subtotal (Section NETB-9)						7068	259.9	18.2	48.6	501.9	23.1	573.6	987.4	39669	102.4	2.36	241.6	1784.3	2025.9	12,673	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	223	24783	10818	35601	1069.2	91.9	2.40	221.0	272.7	39.5	533.2								
Subtotal (Section ECI-1)						35601	1069.2	91.9	2.40	221.0	272.7	39.5	533.2	1069.2	35601	91.9	2.40	221.0	312.3	533.2	12,083
Penryhn	24	Penryhn	223	2863	4449	7312	280.8	18.9	2.47	46.6	55.4	6.1	108.1								
Broom	30A01	Penryhn	223	195	4548	4743	68.4	12.2	2.61	32.0	59.8	4.0	95.8								
Subtotal (Section ECI-2)						12055	349.2	31.1	5.08	78.6	115.3	10.0	203.9	1418.4	47656	123.0	2.28	280.9	437.6	718.5	16,125
Humber	25	Humber	223	409	135	544	56.2	1.4	3.16	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						544	56.2	1.4	3.16	4.4	90.0	4.6	99.0	1474.6	48200	124.4	2.28	283.6	532.1	815.7	16,464
Rutland	26	Rutland	223	748	0	748	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						748	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	48947	126.3	2.27	287.2	624.0	911.2	16,935
Estevan	27	ECIMH029	223	1609	102	1711	72.7	4.4	2.91	12.8	71.6	3.2	87.6								
Dalhousie	28	ECIMH029	223	776	0	776	29.4	2.0	3.09	6.2	28.9	1.3	36.4								
Subtotal (Section ECI-5)						2487	102.1	6.4	19.0	100.5	4.5	124.0	1655.1	51434	132.8	2.25	299.1	729.0	1028.2	17,885	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	91103	235.1	2.03	478.2	2513.3	2991.5	30,558

Richmond	34	ECIMH005	223	8613	1642	10255	227.6	26.5	2.36	62.3	546.0	15.1	623.4								
Subtotal (Section ECI-7)						10255	227.6	26.5	2.36	62.3	546.0	15.1	623.4	2870.1	101358	261.6	2.00	522.0	3074.4	3596.3	33,727
Hartley/Hollywood	35	ECIMH001	223	379	0	379	67.5	1.0	3.23	3.2	161.9	4.5	169.6								
Subtotal (Section NETC-1)						379	67.5	1.0	3.23	3.2	161.9	4.5	169.6	2937.6	101737	262.6	1.99	523.6	3240.8	3764.3	34,073
Bushby	37	NECMH010	223	1203	7	1210	45.1	3.1	3.00	9.4	76.6	5.1	91.1								
Subtotal (Section NETC-2)						1210	45.1	3.1	3.00	9.4	76.6	5.1	91.1	2982.7	102947	265.7	1.99	528.7	3322.6	3851.2	34,518
Clover	38	NECMH003	223	41993	33732	75725	846.6	195.4	1.68	328.7	1438.8	96.2	1863.7								
Subtotal (Section NETC-3)						75725	846.6	195.4	1.68	328.7	1438.8	96.2	1863.7	3829.3	178672	461.2	1.81	832.9	4857.6	5690.5	54,686

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	223	1492	0	1492	40.6	3.9	2.95	11.3	114.3	2.3	127.9								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.3	114.3	2.3	127.9	40.6	1492	3.9	2.95	11.3	116.5	127.9	490
Trent	39A02	NEBMH062	223	2296	1414	3710	58.8	9.6	2.69	25.8	165.5	3.3	194.5								
Trent	39A03	NEBMH059	223	501	111	612	12.4	1.6	3.14	5.0	34.9	0.7	40.6								
Subtotal (Section NETB-2)						4322	71.2	11.2	2.87	30.7	200.4	4.0	235.1	111.8	5814	15.0	3.18	47.8	320.9	368.6	1,730
Trent	39C03	NEBMH054	223	1857	155	2012	39.7	5.2	2.87	14.9	86.3	1.0	102.2								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	14.9	86.3	1.0	102.2	151.5	7825	20.2	3.06	61.8	408.2	470.0	2,332
Trent	39B01	NEBMH050	223	5422	400	5822	102.7	15.0	2.55	38.3	318.5	19.4	376.2								
Trent	39B02	NEBMH050	223	1719	114	1833	47.2	4.7	2.89	13.7	146.4	8.9	169.0								
Trent	39C02	NEBMH049	223	959	0	959	20.4	2.5	3.05	7.5	44.3	0.5	52.4								
Trent	39C04	NEBMH041	223	368	467	835	12.5	2.2	3.08	6.6	27.2	0.3	34.1								
Subtotal (Section NETB-4)						9448	182.8	24.4	66.1	536.4	29.2	631.7	334.3	17274	44.6	2.72	121.1	973.8	1094.9	5,148	
Trent	39C01	NEBMH035	223	5514	840	6354	93.5	16.4	2.52	41.3	203.2	2.4	247.0								
Broom	30A02	NEBMH033	223	2356	373	2729	145.5	7.0	2.78	19.6	152.9	8.5	180.9								
Broom	30B01	NEBMH032	223	351	0	351	11.5	0.9	3.24	2.9	6.9	0.7	10.5								
Broom	30B02	NEBMH030	223	319	47	366	6.4	0.9	3.23	3.1	3.8	0.4	7.3								
Subtotal (Section NETB-5)						9801	256.9	25.3	66.9	366.9	11.9	445.7	591.2	27075	69.9	2.52	176.2	1352.6	1528.8	8,329	
Broom	30B03	NEBMH028	223	658	403	1061	20.8	2.7	3.03	8.3	12.5	1.2	22.0								
Broom	30B04	NEBMH027	223	0	502	502	5.5	1.3	3.18	4.1	3.3	0.3	7.7								
Broom	30B05	NEBMH026	223	225	113	338	8.5	0.9	3.24	2.8	5.1	0.5	8.4								
Broom	30B06	NEBMH026	223	236	4	240	4.1	0.6	3.29	2.0	2.5	0.2	4.7								
Broom	30B07	NEBMH025	223	82	0	82	2.4	0.2	3.41	0.7	1.4	0.1	2.3								
Subtotal (Section NETB-6)						2223	41.3	5.7	18.0	24.8	2.4	45.2	632.5	29298	75.6	2.49	188.1	1379.8	1567.9	8,985	
Broom	30B09	NEBMH024	223	2247	277	2524	65.2	6.5	2.80	18.3	39.2	3.8	61.3								
Broom	30B08	NEBMH022	223	127	0	127	4.2	0.3	3.37	1.1	2.5	0.2	3.9								
Broom	30B10	NEBMH020	223	43	8	51	3.5	0.1	3.45	0.5	2.1	0.2	2.8								
Broom	30B11	NEBMH020	223	66	0	66	2.1	0.2	3.43	0.6	1.3	0.1	2.0								
Windsor	31A	NEBMH017	223	119	0	119	4.6	0.5	3.38	1.0	2.9	0.3	4.1								
Subtotal (Section NETB-7)						2889	79.6	7.5	21.5	47.9	4.6	74.0	712.1	32187	83.1	2.45	203.3	1432.3	1635.6	9,938	
Esplanade	29	NEBMH014	223	349	65	414	15.4	1.1	3.21	3.4	16.2	0.9	20.5								
Subtotal (Section NETB-8)						414	15.4	1.1	3.21	3.4	16.2	0.9	20.5	727.5	32601	84.1	2.44	205.5	1449.4	1654.8	10,090
Windsor	31B	NEBMH003	223	1670	211	1881	57.2	4.9	2.89	14.0	34.4	3.3	51.7								
Currie	32	NEBMH001	223	4916	271	5187	202.7	13.4	2.58	34.6	543.9	19.8	598.3								
Subtotal (Section NETB-9)						7068	259.9	18.2	48.6	578.3	23.1	650.0	987.4	39669	102.4	2.36	241.6	2050.8	2292.4	12,673	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	223	24783	10818	35601	1069.2	91.9	2.40	221.0	321.2	39.5	581.7								
Subtotal (Section ECI-1)						35601	1069.2	91.9	2.40	221.0	321.2	39.5	581.7	1069.2	35601	91.9	2.40	221.0	360.8	581.7	12,083
Penryn	24	Penryn	223	2863	4449	7312	280.8	18.9	2.47	46.6	68.1	6.1	120.8								
Broom	30A01	Penryn	223	195	4548	4743	68.4	12.2	2.61	32.0	71.9	4.0	107.8								
Subtotal (Section ECI-2)						12055	349.2	31.1	5.08	78.6	140.0	10.0	228.6	1418.4	47656	123.0	2.28	280.9	510.7	791.7	16,125
Humber	25	Humber	223	409	135	544	56.2	1.4	3.16	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						544	56.2	1.4	3.16	4.4	90.0	4.6	99.0	1474.6	48200	124.4	2.28	283.6	605.3	888.9	16,464
Rutland	26	Rutland	223	748	0	748	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						748	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	48947	126.3	2.27	287.2	697.2	984.4	16,935
Estevan	27	ECIMH029	223	1609	102	1711	72.7	4.4	2.91	12.8	78.6	3.2	94.6								
Dalhousie	28	ECIMH029	223	776	0	776	29.4	2.0	3.09	6.2	31.8	1.3	39.3								
Subtotal (Section ECI-5)						2487	102.1	6.4	19.0	110.4	4.5	133.9	1655.1	51434	132.8	2.25	299.1	812.1	1111.2	17,885	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	91103	235.1	2.03	478.2	2862.9	3341.0	30,558

Richmond	34	ECIMH005	223	8613	1642	10255	227.6	26.5	2.36	62.3	631.8	15.1	709.2								
Subtotal (Section ECI-7)						10255	227.6	26.5	2.36	62.3	631.8	15.1	709.2	2870.1	101358	261.6	2.00	522.0	3509.7	4031.7	33,727
Hartley/Hollywood	35	ECIMH001	223	379	0	379	67.5	1.0	3.23	3.2	187.4	4.5	195.0								
Subtotal (Section NETC-1)						379	67.5	1.0	3.23	3.2	187.4	4.5	195.0	2937.6	101737	262.6	1.99	523.6	3701.5	4225.1	34,073
Bushby	37	NECMH010	223	1203	7	1210	45.1	3.1	3.00	9.4	87.1	5.1	101.5								
Subtotal (Section NETC-2)						1210	45.1	3.1	3.00	9.4	87.1	5.1	101.5	2982.7	102947	265.7	1.99	528.7	3793.7	4322.4	34,518
Clover	38	NECMH003	223	41993	33732	75725	846.6	195.4	1.68	328.7	1634.4	96.2	2059.3								
Subtotal (Section NETC-3)						75725	846.6	195.4	1.68	328.7	1634.4	96.2	2059.3	3829.3	178672	461.2	1.81	832.9	5524.4	6357.3	54,686

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2015, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	223	1492	0	1492	40.6	3.9	2.95	11.3	143.6	2.3	157.2								
Subtotal (Section NETB-1)						1492	40.6	3.9	2.95	11.3	143.6	2.3	157.2	40.6	1492	3.9	2.95	11.3	145.8	157.2	490
Trent	39A02	NEBMH062	223	2296	1414	3710	58.8	9.6	2.69	25.8	207.9	3.3	237.0								
Trent	39A03	NEBMH059	223	501	111	612	12.4	1.6	3.14	5.0	43.8	0.7	49.5								
Subtotal (Section NETB-2)						4322	71.2	11.2	30.7	251.8	4.0	286.5	111.8	5814	15.0	3.18	47.8	401.6	449.3	1,730	
Trent	39C03	NEBMH054	223	1857	155	2012	39.7	5.2	2.87	14.9	103.7	1.0	119.7								
Subtotal (Section NETB-3)						2012	39.7	5.2	2.87	14.9	103.7	1.0	119.7	151.5	7825	20.2	3.06	61.8	506.3	568.1	2,332
Trent	39B01	NEBMH050	223	5422	400	5822	102.7	15.0	2.55	38.3	369.6	19.4	427.3								
Trent	39B02	NEBMH050	223	1719	114	1833	47.2	4.7	2.89	13.7	169.9	8.9	192.5								
Trent	39C02	NEBMH049	223	959	0	959	20.4	2.5	3.05	7.5	63.3	0.5	61.4								
Trent	39C04	NEBMH041	223	368	467	835	12.5	2.2	3.08	6.6	32.7	0.3	39.6								
Subtotal (Section NETB-4)						9448	182.8	24.4	66.1	625.4	29.2	720.7	334.3	17274	44.6	2.72	121.1	1160.9	1282.0	5,148	
Trent	39C01	NEBMH035	223	5514	840	6354	93.5	16.4	2.52	41.3	244.3	2.4	288.0								
Broom	30A02	NEBMH033	223	2356	373	2729	145.5	7.0	2.78	19.6	190.9	8.5	218.9								
Broom	30B01	NEBMH032	223	351	0	351	11.5	0.9	3.24	2.9	7.9	0.7	11.5								
Broom	30B02	NEBMH030	223	319	47	366	6.4	0.9	3.23	3.1	4.4	0.4	7.8								
Subtotal (Section NETB-5)						9801	256.9	25.3	66.9	447.4	11.9	526.2	591.2	27075	69.9	2.52	176.2	1620.3	1796.4	8,329	
Broom	30B03	NEBMH028	223	658	403	1061	20.8	2.7	3.03	8.3	14.2	1.2	23.7								
Broom	30B04	NEBMH027	223	0	502	502	5.5	1.3	3.18	4.1	3.8	0.3	8.2								
Broom	30B05	NEBMH026	223	225	113	338	8.5	0.9	3.24	2.8	5.8	0.5	9.1								
Broom	30B06	NEBMH026	223	236	4	240	4.1	0.6	3.29	2.0	2.8	0.2	5.1								
Broom	30B07	NEBMH025	223	82	0	82	2.4	0.2	3.41	0.7	1.6	0.1	2.5								
Subtotal (Section NETB-6)						2223	41.3	5.7	18.0	28.2	2.4	48.6	632.5	29298	75.6	2.49	188.1	1650.9	1839.0	8,985	
Broom	30B09	NEBMH024	223	2247	277	2524	65.2	6.5	2.80	18.3	44.6	3.8	66.6								
Broom	30B08	NEBMH022	223	127	0	127	4.2	0.3	3.37	1.1	2.9	0.2	4.2								
Broom	30B10	NEBMH020	223	43	8	51	3.5	0.1	3.45	0.5	2.4	0.2	3.1								
Broom	30B11	NEBMH020	223	66	0	66	2.1	0.2	3.43	0.6	1.4	0.1	2.2								
Windsor	31A	NEBMH017	223	119	0	119	4.6	0.5	3.38	1.0	3.1	0.3	4.5								
Subtotal (Section NETB-7)						2889	79.6	7.5	21.5	54.4	4.6	80.5	712.1	32187	83.1	2.45	203.3	1709.9	1913.2	9,938	
Esplanade	29	NEBMH014	223	349	65	414	15.4	1.1	3.21	3.4	20.2	0.9	24.5								
Subtotal (Section NETB-8)						414	15.4	1.1	3.21	3.4	20.2	0.9	24.5	727.5	32601	84.1	2.44	205.5	1731.0	1936.5	10,090
Windsor	31B	NEBMH003	223	1670	211	1881	57.2	4.9	2.89	14.0	39.1	3.3	56.4								
Currie	32	NEBMH001	223	4916	271	5187	202.7	13.4	2.58	34.6	652.1	19.8	706.5								
Subtotal (Section NETB-9)						7068	259.9	18.2	48.6	691.2	23.1	762.9	987.4	39669	102.4	2.36	241.6	2445.4	2686.9	12,673	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	223	24783	10818	35601	1069.2	91.9	2.40	221.0	392.9	39.5	653.4								
Subtotal (Section ECI-1)						35601	1069.2	91.9	2.40	221.0	392.9	39.5	653.4	1069.2	35601	91.9	2.40	221.0	432.4	653.4	12,083
Penryhn	24	Penryhn	223	2863	4449	7312	280.8	18.9	2.47	46.6	86.8	6.1	139.5								
Broom	30A01	Penryhn	223	195	4548	4743	68.4	12.2	2.61	32.0	89.7	4.0	125.7								
Subtotal (Section ECI-2)						12055	349.2	31.1	5.08	78.6	176.5	10.0	265.1	1418.4	47656	123.0	2.28	280.9	618.9	899.9	16,125
Humber	25	Humber	223	409	135	544	56.2	1.4	3.16	4.4	90.0	4.6	99.0								
Subtotal (Section ECI-3)						544	56.2	1.4	3.16	4.4	90.0	4.6	99.0	1474.6	48200	124.4	2.28	283.6	713.5	997.1	16,464
Rutland	26	Rutland	223	748	0	748	78.4	1.9	3.10	6.0	90.0	1.9	97.9								
Subtotal (Section ECI-4)						748	78.4	1.9	3.10	6.0	90.0	1.9	97.9	1553.0	48947	126.3	2.27	287.2	805.4	1092.6	16,935
Estevan	27	ECIMH029	223	1609	102	1711	72.7	4.4	2.91	12.8	88.9	3.2	105.0								
Dalhousie	28	ECIMH029	223	776	0	776	29.4	2.0	3.09	6.2	36.0	1.3	43.4								
Subtotal (Section ECI-5)						2487	102.1	6.4	19.0	124.9	4.5	148.4	1655.1	51434	132.8	2.25	299.1	934.8	1233.9	17,885	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	91103	235.1	2.03	478.2	3380.1	3858.3	30,558

Richmond	34	ECIMH005	223	8613	1642	10255	227.6	26.5	2.36	62.3	758.3	15.1	835.7								
Subtotal (Section ECI-7)						10255	227.6	26.5	2.36	62.3	758.3	15.1	835.7	2870.1	101358	261.6	2.00	522.0	4153.5	4675.5	33,727
Haring/Hollywood	35	ECIMH001	223	379	0	379	67.5	1.0	3.23	3.2	224.9	4.5	232.5								
Subtotal (Section NETC-1)						379	67.5	1.0	3.23	3.2	224.9	4.5	232.5	2937.6	101737	262.6	1.99	523.6	4382.9	4906.4	34,073
Bushby	37	NECMH010	223	1203	7	1210	45.1	3.1	3.00	9.4	102.5	5.1	116.9								
Subtotal (Section NETC-2)						1210	45.1	3.1	3.00	9.4	102.5	5.1	116.9	2982.7	102947	265.7	1.99	528.7	4490.5	5019.1	34,518
Clover	38	NECMH003	223	41993	33732	75725	846.6	195.4	1.68	328.7	1923.3	96.2	2348.3								
Subtotal (Section NETC-3)						75725	846.6	195.4	1.68	328.7	1923.3	96.2	2348.3	3829.3	178672	461.2	1.81	832.9	6510.0	7343.0	54,686

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	193	1584	0	1584	40.6	3.5	2.93	10.4	55.2	2.3	67.8								
Subtotal (Section NETB-1)						1584	40.6	3.5	2.93	10.4	55.2	2.3	67.8	40.6	1584	3.5	2.93	10.4	57.5	67.8	463
Trent	39A02	NEBMH062	193	2438	1514	3952	58.8	8.8	2.67	23.6	80.0	3.3	106.8								
Trent	39A03	NEBMH059	193	532	117	649	12.4	1.5	3.13	4.5	16.9	0.7	22.1								
Subtotal (Section NETB-2)						4602	71.2	10.3	28.1	96.8	4.0	128.9	111.8	6186	13.8	3.16	43.6	158.3	201.9	1,627	
Trent	39C03	NEBMH054	193	1984	171	2155	39.7	4.8	2.85	13.7	51.2	1.0	65.9								
Subtotal (Section NETB-3)						2155	39.7	4.8	2.85	13.7	51.2	1.0	65.9	151.5	8341	18.6	3.03	56.5	210.5	267.0	2,197
Trent	39B01	NEBMH050	193	5756	424	6180	102.7	13.8	2.53	34.9	215.3	19.4	269.6								
Trent	39B02	NEBMH050	193	1826	120	1946	47.2	4.3	2.88	12.5	98.9	8.9	120.4								
Trent	39C02	NEBMH049	193	1019	0	1019	20.4	2.3	3.04	6.9	26.3	0.5	33.7								
Trent	39C04	NEBMH041	193	420	518	938	12.5	2.1	3.05	6.4	16.1	0.3	22.8								
Subtotal (Section NETB-4)						10083	182.8	22.5	60.7	356.6	29.2	446.5	334.3	18424	41.2	2.69	110.6	596.3	706.9	4,852	
Trent	39C01	NEBMH035	193	5856	889	6745	93.5	15.1	2.50	37.6	120.5	2.4	160.6								
Broom	30A02	NEBMH033	193	2382	383	2765	145.5	6.2	2.78	17.2	76.3	8.5	101.9								
Broom	30B01	NEBMH032	193	392	0	392	11.5	0.9	3.22	2.8	5.0	0.7	8.5								
Broom	30B02	NEBMH030	193	322	49	371	6.4	0.8	3.23	2.7	2.8	0.4	5.8								
Subtotal (Section NETB-5)						10273	256.9	22.9	60.3	204.7	11.9	276.9	591.2	28697	64.1	2.50	160.0	812.9	972.9	7,830	
Broom	30B03	NEBMH028	193	691	421	1112	20.8	2.5	3.02	7.5	9.1	1.2	17.8								
Broom	30B04	NEBMH027	193	0	515	515	5.5	1.2	3.17	3.7	2.4	0.3	6.4								
Broom	30B05	NEBMH026	193	227	116	343	8.5	0.8	3.24	2.5	3.7	0.5	6.7								
Broom	30B06	NEBMH026	193	239	4	243	4.1	0.5	3.29	1.8	1.8	0.2	3.8								
Broom	30B07	NEBMH025	193	83	0	83	2.4	0.2	3.41	0.6	1.0	0.1	1.8								
Subtotal (Section NETB-6)						2297	41.3	5.1	16.1	18.1	2.4	36.5	632.5	30994	69.2	2.46	170.5	833.3	1003.9	8,433	
Broom	30B09	NEBMH024	193	2273	283	2556	65.2	5.7	2.80	16.0	28.5	3.8	48.3								
Broom	30B08	NEBMH022	193	128	0	128	4.2	0.3	3.37	1.0	1.8	0.2	3.0								
Broom	30B10	NEBMH020	193	43	9	52	3.5	0.1	3.45	0.4	1.5	0.2	2.1								
Broom	30B11	NEBMH020	193	69	0	69	2.1	0.2	3.43	0.5	0.9	0.1	1.6								
Windsor	31A	NEBMH017	193	121	0	121	4.6	0.3	3.38	0.9	2.0	0.3	3.2								
Subtotal (Section NETB-7)						2925	79.6	6.5	18.8	34.8	4.6	58.2	712.1	33920	75.8	2.43	183.7	872.8	1056.5	9,307	
Esplanade	29	NEBMH014	193	353	66	419	15.4	0.9	3.21	3.0	8.1	0.9	12.0								
Subtotal (Section NETB-8)						419	15.4	0.9	3.21	3.0	8.1	0.9	12.0	727.5	34338	76.7	2.42	185.6	881.7	1067.4	9,447
Windsor	31B	NEBMH003	193	1689	216	1905	57.2	4.3	2.88	12.3	25.0	3.3	40.6								
Currie	32	NEBMH001	193	4972	277	5249	202.7	11.7	2.58	30.3	325.2	19.8	375.2								
Subtotal (Section NETB-9)						7153	259.9	16.0	42.5	350.2	23.1	415.8	987.4	41491	92.7	2.34	217.0	1255.0	1471.9	11,835	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	193	28282	11353	39635	1069.2	88.5	2.36	208.9	176.4	39.5	424.8								
Subtotal (Section ECI-1)						39635	1069.2	88.5	2.36	208.9	176.4	39.5	424.8	1069.2	39635	88.5	2.36	208.9	215.9	424.8	11,794
Penryhn	24	Penryhn	193	3267	5446	8713	280.8	19.5	2.41	46.9	30.3	6.1	83.3								
Broom	30A01	Penryhn	193	197	5374	5571	68.4	12.4	2.56	31.9	35.9	4.0	71.7								
Subtotal (Section ECI-2)						14284	349.2	31.9	4.97	78.8	66.2	10.0	155.0	1418.4	53919	120.4	2.23	269.1	292.1	561.2	15,904
Humber	25	Humber	193	414	138	552	56.2	1.2	3.16	3.9	90.0	4.6	98.5								
Subtotal (Section ECI-3)						552	56.2	1.2	3.16	3.9	90.0	4.6	98.5	1474.6	54471	121.7	2.23	271.4	386.7	658.1	16,228
Rutland	26	Rutland	193	757	0	757	78.4	1.7	3.10	5.2	90.0	1.9	97.2								
Subtotal (Section ECI-4)						757	78.4	1.7	3.10	5.2	90.0	1.9	97.2	1553.0	55227	123.4	2.22	274.5	478.6	753.1	16,678
Estevan	27	ECIMH029	193	1626	105	1731	72.7	3.9	2.91	11.2	57.7	3.2	72.1								
Dalhousie	28	ECIMH029	193	785	0	785	29.4	1.8	3.09	5.4	23.3	1.3	30.0								
Subtotal (Section ECI-5)						2516	102.1	5.6	16.7	81.0	4.5	102.1	1655.1	57743	129.0	2.21	284.7	564.1	848.8	17,560	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	99234	221.7	2.00	443.9	1819.1	2263.0	29,395
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Richmond	34	ECIMH005	193	9115	1734	10849	227.6	24.2	2.34	56.6	375.9	15.1	447.5								
Subtotal (Section ECI-7)						10849	227.6	24.2	2.34	56.6	375.9	15.1	447.5	2870.1	110084	245.9	1.97	483.5	2210.0	2693.4	32,371
Harting/Hollywood	35	ECIMH001	193	383	0	383	67.5	0.9	3.22	2.8	111.5	4.5	118.7								
Subtotal (Section NETC-1)						383	67.5	0.9	3.22	2.8	111.5	4.5	118.7	2937.6	110467	246.8	1.96	484.8	2325.9	2810.8	32,706
Bushby	37	NECMH010	193	1277	7	1284	45.1	2.9	2.98	8.6	55.9	5.1	69.6								
Subtotal (Section NETC-2)						1284	45.1	2.9	2.98	8.6	55.9	5.1	69.6	2982.7	111751	249.6	1.96	489.5	2387.0	2876.5	33,129
Clover	38	NECMH003	193	44593	35668	80261	846.6	179.3	1.66	298.4	1050.1	96.2	1444.7								
Subtotal (Section NETC-3)						80261	846.6	179.3	1.66	298.4	1050.1	96.2	1444.7	3829.3	192012	428.9	1.78	765.2	3533.3	4298.5	51,901

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	193	1584	0	1584	40.6	3.5	2.93	10.4	78.8	2.3	91.5								
Subtotal (Section NETB-1)						1584	40.6	3.5	2.93	10.4	78.8	2.3	91.5	40.6	1584	3.5	2.93	10.4	81.1	91.5	463
Trent	39A02	NEBMH062	193	2438	1514	3952	58.8	8.8	2.67	23.6	114.2	3.3	141.0								
Trent	39A03	NEBMH059	193	532	117	649	12.4	1.5	3.13	4.5	24.1	0.7	29.3								
Subtotal (Section NETB-2)						4602	71.2	10.3	28.1	138.2	4.0	170.3	111.8	6186	13.8	3.16	43.6	223.3	266.9	1,627	
Trent	39C03	NEBMH054	193	1984	171	2155	39.7	4.8	2.85	13.7	65.2	1.0	80.0								
Subtotal (Section NETB-3)						2155	39.7	4.8	2.85	13.7	65.2	1.0	80.0	151.5	8341	18.6	3.03	56.5	289.6	346.1	2,197
Trent	39B01	NEBMH050	193	5756	424	6180	102.7	13.8	2.53	34.9	256.7	19.4	311.0								
Trent	39B02	NEBMH050	193	1826	120	1946	47.2	4.3	2.88	12.5	118.0	8.9	139.4								
Trent	39C02	NEBMH049	193	1019	0	1019	20.4	2.3	3.04	6.9	33.5	0.5	41.0								
Trent	39C04	NEBMH041	193	420	518	938	12.5	2.1	3.05	6.4	20.5	0.3	27.3								
Subtotal (Section NETB-4)						10083	182.8	22.5	60.7	428.7	29.2	518.6	334.3	18424	41.2	2.69	110.6	747.5	858.1	4,852	
Trent	39C01	NEBMH035	193	5856	889	6745	93.5	15.1	2.50	37.6	153.6	2.4	193.7								
Broom	30A02	NEBMH033	193	2382	383	2765	145.5	6.2	2.78	17.2	106.9	8.5	132.6								
Broom	30B01	NEBMH032	193	392	0	392	11.5	0.9	3.22	2.8	5.8	0.7	9.3								
Broom	30B02	NEBMH030	193	322	49	371	6.4	0.8	3.23	2.7	3.2	0.4	6.3								
Subtotal (Section NETB-5)						10273	256.9	22.9	60.3	269.6	11.9	341.8	591.2	28697	64.1	2.50	160.0	1028.9	1189.0	7,830	
Broom	30B03	NEBMH028	193	691	421	1112	20.8	2.5	3.02	7.5	10.5	1.2	19.2								
Broom	30B04	NEBMH027	193	0	515	515	5.5	1.2	3.17	3.7	2.8	0.3	6.7								
Broom	30B05	NEBMH026	193	227	116	343	8.5	0.8	3.24	2.5	4.3	0.5	7.3								
Broom	30B06	NEBMH026	193	239	4	243	4.1	0.5	3.29	1.8	2.1	0.2	4.1								
Broom	30B07	NEBMH025	193	83	0	83	2.4	0.2	3.41	0.6	1.2	0.1	2.0								
Subtotal (Section NETB-6)						2297	41.3	5.1	16.1	20.8	2.4	39.3	632.5	30994	69.2	2.46	170.5	1052.1	1222.7	8,433	
Broom	30B09	NEBMH024	193	2273	283	2556	65.2	5.7	2.80	16.0	32.8	3.8	52.6								
Broom	30B08	NEBMH022	193	128	0	128	4.2	0.3	3.37	1.0	2.1	0.2	3.3								
Broom	30B10	NEBMH020	193	43	9	52	3.5	0.1	3.45	0.4	1.8	0.2	2.4								
Broom	30B11	NEBMH020	193	69	0	69	2.1	0.2	3.43	0.5	1.1	0.1	1.7								
Windsor	31A	NEBMH017	193	121	0	121	4.6	0.3	3.38	0.9	2.3	0.3	3.6								
Subtotal (Section NETB-7)						2925	79.6	6.5	18.8	40.1	4.6	63.5	712.1	33920	75.8	2.43	183.7	1096.8	1280.6	9,307	
Esplanade	29	NEBMH014	193	353	66	419	15.4	0.9	3.21	3.0	11.3	0.9	15.2								
Subtotal (Section NETB-8)						419	15.4	0.9	3.21	3.0	11.3	0.9	15.2	727.5	34338	76.7	2.42	185.6	1109.1	1294.7	9,447
Windsor	31B	NEBMH003	193	1689	216	1905	57.2	4.3	2.88	12.3	28.8	3.3	44.4								
Currie	32	NEBMH001	193	4972	277	5249	202.7	11.7	2.58	30.3	412.8	19.8	462.8								
Subtotal (Section BETB-9)						7153	259.9	16.0	42.5	441.6	23.1	507.2	987.4	41491	92.7	2.34	217.0	1573.7	1790.7	11,835	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	193	28282	11353	39635	1069.2	88.5	2.36	208.9	234.4	39.5	482.8								
Subtotal (Section ECI-1)						39635	1069.2	88.5	2.36	208.9	234.4	39.5	482.8	1069.2	39635	88.5	2.36	208.9	273.9	482.8	11,794
Penryhn	24	Penryhn	193	3267	5446	8713	280.8	19.5	2.41	46.9	45.4	6.1	98.4								
Broom	30A01	Penryhn	193	197	5374	5571	68.4	12.4	2.56	31.9	50.3	4.0	86.1								
Subtotal (Section ECI-2)						14284	349.2	31.9	4.97	78.8	95.7	10.0	184.5	1418.4	53919	120.4	2.23	269.1	379.7	648.8	15,904
Humber	25	Humber	193	414	138	552	56.2	1.2	3.16	3.9	90.0	4.6	98.5								
Subtotal (Section ECI-3)						552	56.2	1.2	3.16	3.9	90.0	4.6	98.5	1474.6	54471	121.7	2.23	271.4	474.2	745.6	16,228
Rutland	26	Rutland	193	757	0	757	78.4	1.7	3.10	5.2	90.0	1.9	97.2								
Subtotal (Section ECI-4)						757	78.4	1.7	3.10	5.2	90.0	1.9	97.2	1553.0	55227	123.4	2.22	274.5	566.1	840.6	16,678
Estevan	27	ECIMH029	193	1626	105	1731	72.7	3.9	2.91	11.2	66.1	3.2	80.5								
Dalhousie	28	ECIMH029	193	785	0	785	29.4	1.8	3.09	5.4	26.7	1.3	33.4								
Subtotal (Section ECI-5)						2516	102.1	5.6	16.7	92.8	4.5	113.9	1655.1	57743	129.0	2.21	284.7	663.4	948.1	17,560	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	99234	221.7	2.00	443.9	2237.1	2681.0	29,395

Richmond	34	ECIMH005	193	9115	1734	10849	227.6	24.2	2.34	56.6	478.5	15.1	550.2								
Subtotal (Section ECI-7)						10849	227.6	24.2	2.34	56.6	478.5	15.1	550.2	2870.1	110084	245.9	1.97	483.5	2730.7	3214.1	32,371
Hartley/Hollywood	35	ECIMH001	193	383	0	383	67.5	0.9	3.22	2.8	141.9	4.5	149.1								
Subtotal (Section NETC-1)						383	67.5	0.9	3.22	2.8	141.9	4.5	149.1	2937.6	110467	246.8	1.96	484.8	2877.1	3361.9	32,706
Bushby	37	NECMH010	193	1277	7	1284	45.1	2.9	2.98	8.6	68.4	5.1	82.1								
Subtotal (Section NETC-2)						1284	45.1	2.9	2.98	8.6	68.4	5.1	82.1	2982.7	111751	249.6	1.96	489.5	2950.6	3440.1	33,129
Clover	38	NECMH003	193	44593	35668	80261	846.6	179.3	1.66	298.4	1284.1	96.2	1678.7								
Subtotal (Section NETC-3)						80261	846.6	179.3	1.66	298.4	1284.1	96.2	1678.7	3829.3	192012	428.9	1.78	765.2	4330.9	5096.1	51,901

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	193	1584	0	1584	40.6	3.5	2.93	10.4	94.5	2.3	10.4	107.1				2.93	10.4	96.8	107.1	463
Subtotal (Section NETB-1)						1584	40.6	3.5	2.93	10.4	94.5	2.3	10.4	107.1	40.6	1584	3.5	2.93	10.4	96.8	107.1	463
Trent	39A02	NEBMH062	193	2438	1514	3952	58.8	8.8	2.67	23.6	136.9	3.3	23.6	163.7								
Trent	39A03	NEBMH059	193	532	117	649	12.4	1.5	3.13	4.5	28.9	0.7	4.5	34.1								
Subtotal (Section NETB-2)						4602	71.2	10.3	28.1	165.7	4.0	197.8	111.8	6186	13.8	3.16	43.6	266.5	310.1	1,627		
Trent	39C03	NEBMH054	193	1984	171	2155	39.7	4.8	2.85	13.7	74.5	1.0	13.7	89.3								
Subtotal (Section NETB-3)						2155	39.7	4.8	2.85	13.7	74.5	1.0	89.3	151.5	8341	18.6	3.03	56.5	342.1	398.6	2,197	
Trent	39B01	NEBMH050	193	5756	424	6180	102.7	13.8	2.53	34.9	283.9	19.4	34.9	338.2								
Trent	39B02	NEBMH050	193	1826	120	1946	47.2	4.3	2.88	12.5	130.5	8.9	12.5	151.9								
Trent	39C02	NEBMH049	193	1019	0	1019	20.4	2.3	3.04	6.9	38.3	0.5	6.9	45.7								
Trent	39C04	NEBMH041	193	420	518	938	12.5	2.1	3.05	6.4	23.5	0.3	6.4	30.2								
Subtotal (Section NETB-4)						10083	182.8	22.5	60.7	476.2	29.2	566.1	334.3	18424	41.2	2.69	110.6	847.4	958.1	4,852		
Trent	39C01	NEBMH035	193	5856	889	6745	93.5	15.1	2.50	37.6	175.6	2.4	37.6	215.6								
Broom	30A02	NEBMH033	193	2382	383	2765	145.5	6.2	2.78	17.2	127.3	8.5	17.2	152.9								
Broom	30B01	NEBMH032	193	392	0	392	11.5	0.9	3.22	2.8	6.3	0.7	2.8	9.8								
Broom	30B02	NEBMH030	193	322	49	371	6.4	0.8	3.23	2.7	3.5	0.4	2.7	6.5								
Subtotal (Section NETB-5)						10273	256.9	22.9	60.3	312.6	11.9	384.8	591.2	28697	64.1	2.50	160.0	1171.9	1332.0	7,830		
Broom	30B03	NEBMH028	193	691	421	1112	20.8	2.5	3.02	7.5	11.3	1.2	7.5	20.1								
Broom	30B04	NEBMH027	193	0	515	515	5.5	1.2	3.17	3.7	3.0	0.3	3.7	7.0								
Broom	30B05	NEBMH026	193	227	116	343	8.5	0.8	3.24	2.5	4.6	0.5	2.5	7.6								
Broom	30B06	NEBMH026	193	239	4	243	4.1	0.5	3.29	1.8	2.2	0.2	1.8	4.3								
Broom	30B07	NEBMH025	193	83	0	83	2.4	0.2	3.41	0.6	1.3	0.1	0.6	2.1								
Subtotal (Section NETB-6)						2297	41.3	5.1	16.1	22.5	2.4	41.0	632.5	30994	69.2	2.46	170.5	1196.9	1367.4	8,433		
Broom	30B09	NEBMH024	193	2273	283	2556	65.2	5.7	2.80	16.0	35.6	3.8	16.0	55.4								
Broom	30B08	NEBMH022	193	128	0	128	4.2	0.3	3.37	1.0	2.3	0.2	1.0	3.5								
Broom	30B10	NEBMH020	193	43	9	52	3.5	0.1	3.45	0.4	1.9	0.2	0.4	2.5								
Broom	30B11	NEBMH020	193	69	0	69	2.1	0.2	3.43	0.5	1.1	0.1	0.5	1.8								
Windsor	31A	NEBMH017	193	121	0	121	4.6	0.3	3.38	0.9	2.5	0.3	0.9	3.7								
Subtotal (Section NETB-7)						2925	79.6	6.5	18.8	43.4	4.6	66.8	712.1	33920	75.8	2.43	183.7	1244.9	1428.7	9,307		
Esplanade	29	NEBMH014	193	353	66	419	15.4	0.9	3.21	3.0	13.5	0.9	3.0	17.4								
Subtotal (Section NETB-8)						419	15.4	0.9	3.21	3.0	13.5	0.9	17.4	727.5	34338	76.7	2.42	185.6	1259.3	1444.9	9,447	
Windsor	31B	NEBMH003	193	1689	216	1905	57.2	4.3	2.88	12.3	31.2	3.3	12.3	46.8								
Currie	32	NEBMH001	193	4972	277	5249	202.7	11.7	2.58	30.3	470.7	19.8	30.3	520.7								
Subtotal (Section NETB-9)						7153	259.9	16.0	42.5	501.9	23.1	567.5	987.4	41491	92.7	2.34	217.0	1784.3	2001.2	11,835		

NET-B Ends at the Currie Major Pump Station

ECI																						
Arbutus	23	ECIMH041	193	28282	11353	39635	1069.2	88.5	2.36	208.9	272.7	39.5	208.9	521.2								
Subtotal (Section ECI-1)						39635	1069.2	88.5	2.36	208.9	272.7	39.5	521.2	1069.2	39635	88.5	2.36	208.9	312.3	521.2	11,794	
Penryhn	24	Penryhn	193	3267	5446	8713	280.8	19.5	2.41	46.9	55.4	6.1	46.9	108.4								
Broom	30A01	Penryhn	193	197	5374	5571	68.4	12.4	2.56	31.9	59.8	4.0	31.9	95.7								
Subtotal (Section ECI-2)						14284	349.2	31.9	4.97	78.8	115.3	10.0	204.1	1418.4	53919	120.4	2.23	269.1	437.6	706.7	15,904	
Humber	25	Humber	193	414	138	552	56.2	1.2	3.16	3.9	90.0	4.6	3.9	98.5								
Subtotal (Section ECI-3)						552	56.2	1.2	3.16	3.9	90.0	4.6	98.5	1474.6	54471	121.7	2.23	271.4	532.1	803.5	16,228	
Rutland	26	Rutland	193	757	0	757	78.4	1.7	3.10	5.2	90.0	1.9	5.2	97.2								
Subtotal (Section ECI-4)						757	78.4	1.7	3.10	5.2	90.0	1.9	97.2	1553.0	55227	123.4	2.22	274.5	624.0	898.5	16,678	
Estevan	27	ECIMH029	193	1626	105	1731	72.7	3.9	2.91	11.2	71.6	3.2	11.2	86.0								
Dalhousie	28	ECIMH029	193	785	0	785	29.4	1.8	3.09	5.4	28.9	1.3	5.4	35.7								
Subtotal (Section ECI-5)						2516	102.1	5.6	16.7	100.5	4.5	121.7	1655.1	57743	129.0	2.21	284.7	729.0	1013.7	17,560		
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	99234	221.7	2.00	443.9	2513.3	2957.3	29,395

Richmond	34	ECIMH005	193	9115	1734	10849	227.6	24.2	2.34	56.6	546.0	15.1	56.6	617.7								
Subtotal (Section ECI-7)						10849	227.6	24.2	2.34	56.6	546.0	15.1	617.7	2870.1	110084	245.9	1.97	483.5	3074.4	3557.9	32,371	
Hartley/Hollywood	35	ECIMH001	193	383	0	383	67.5	0.9	3.22	2.8	161.9	4.5	2.8	169.2								
Subtotal (Section NETC-1)						383	67.5	0.9	3.22	2.8	161.9	4.5	169.2	2937.6	110467	246.8	1.96	484.8	3240.8	3725.6	32,706	
Bushby	37	NECMH010	193	1277	7	1284	45.1	2.9	2.98	8.6	76.6	5.1	8.6	90.3								
Subtotal (Section NETC-2)						1284	45.1	2.9	2.98	8.6	76.6	5.1	90.3	2982.7	111751	249.6	1.96	489.5	3322.6	3812.0	33,129	
Clover	38	NECMH003	193	44593	35668	80261	846.6	179.3	1.66	298.4	1438.8	96.2	298.4	1833.4								
Subtotal (Section NETC-3)						80261	846.6	179.3														

NET/ECI Estimated Wastewater Flows
Year = 2030, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	193	1584	0	1584	40.6	3.5	2.93	10.4	114.3	2.3	126.9								
Subtotal (Section NETB-1)						1584	40.6	3.5	2.93	10.4	114.3	2.3	126.9	40.6	1584	3.5	2.93	10.4	116.5	126.9	463
Trent	39A02	NEBMH062	193	2438	1514	3952	58.8	8.8	2.67	23.6	165.5	3.3	192.3								
Trent	39A03	NEBMH059	193	532	117	649	12.4	1.5	3.13	4.5	34.9	0.7	40.1								
Subtotal (Section NETB-2)						4602	71.2	10.3	28.1	200.4	4.0	232.5	111.8	6186	13.8	3.16	43.6	320.9	364.5	1,627	
Trent	39C03	NEBMH054	193	1984	171	2155	39.7	4.8	2.85	13.7	86.3	1.0	101.0								
Subtotal (Section NETB-3)						2155	39.7	4.8	2.85	13.7	86.3	1.0	101.0	151.5	8341	18.6	3.03	56.5	408.2	464.7	2,197
Trent	39B01	NEBMH050	193	5756	424	6180	102.7	13.8	2.53	34.9	318.5	19.4	372.8								
Trent	39B02	NEBMH050	193	1826	120	1946	47.2	4.3	2.88	12.5	146.4	8.9	167.8								
Trent	39C02	NEBMH049	193	1019	0	1019	20.4	2.3	3.04	6.9	44.3	0.5	51.8								
Trent	39C04	NEBMH041	193	420	518	938	12.5	2.1	3.05	6.4	27.2	0.3	33.9								
Subtotal (Section NETB-4)						10083	182.8	22.5	60.7	536.4	29.2	626.3	334.3	18424	41.2	2.69	110.6	973.8	1084.4	4,852	
Trent	39C01	NEBMH035	193	5856	889	6745	93.5	15.1	2.50	37.6	203.2	2.4	243.3								
Broom	30A02	NEBMH033	193	2382	383	2765	145.5	6.2	2.78	17.2	152.9	8.5	178.5								
Broom	30B01	NEBMH032	193	392	0	392	11.5	0.9	3.22	2.8	6.9	0.7	10.4								
Broom	30B02	NEBMH030	193	322	49	371	6.4	0.8	3.23	2.7	3.8	0.4	6.9								
Subtotal (Section NETB-5)						10273	256.9	22.9	60.3	366.9	11.9	439.1	591.2	28697	64.1	2.50	160.0	1352.6	1512.6	7,830	
Broom	30B03	NEBMH028	193	691	421	1112	20.8	2.5	3.02	7.5	12.5	1.2	21.2								
Broom	30B04	NEBMH027	193	0	515	515	5.5	1.2	3.17	3.7	3.3	0.3	7.3								
Broom	30B05	NEBMH026	193	227	116	343	8.5	0.8	3.24	2.5	5.1	0.5	8.1								
Broom	30B06	NEBMH026	193	239	4	243	4.1	0.5	3.29	1.8	2.5	0.2	4.5								
Broom	30B07	NEBMH025	193	83	0	83	2.4	0.2	3.41	0.6	1.4	0.1	2.2								
Subtotal (Section NETB-6)						2297	41.3	5.1	16.1	24.8	2.4	43.3	632.5	30994	69.2	2.46	170.5	1379.8	1550.4	8,433	
Broom	30B09	NEBMH024	193	2273	283	2556	65.2	5.7	2.80	16.0	39.2	3.8	59.0								
Broom	30B08	NEBMH022	193	128	0	128	4.2	0.3	3.37	1.0	2.5	0.2	3.7								
Broom	30B10	NEBMH020	193	43	9	52	3.5	0.1	3.45	0.4	2.1	0.2	2.7								
Broom	30B11	NEBMH020	193	69	0	69	2.1	0.2	3.43	0.5	1.3	0.1	1.9								
Windsor	31A	NEBMH017	193	121	0	121	4.6	0.3	3.38	0.9	2.9	0.3	3.9								
Subtotal (Section NETB-7)						2925	79.6	6.5	18.8	47.9	4.6	71.3	712.1	33920	75.8	2.43	183.7	1432.3	1616.1	9,307	
Esplanade	29	NEBMH014	193	353	66	419	15.4	0.9	3.21	3.0	16.2	0.9	20.1								
Subtotal (Section NETB-8)						419	15.4	0.9	3.21	3.0	16.2	0.9	20.1	727.5	34338	76.7	2.42	185.6	1449.4	1635.0	9,447
Windsor	31B	NEBMH003	193	1689	216	1905	57.2	4.3	2.88	12.3	34.4	3.3	50.0								
Currie	32	NEBMH001	193	4972	277	5249	202.7	11.7	2.58	30.3	543.9	19.8	593.9								
Subtotal (Section NETB-9)						7153	259.9	16.0	42.5	578.3	23.1	643.9	987.4	41491	92.7	2.34	217.0	2050.8	2267.8	11,835	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	193	28282	11353	39635	1069.2	88.5	2.36	208.9	321.2	39.5	569.7								
Subtotal (Section ECI-1)						39635	1069.2	88.5	2.36	208.9	321.2	39.5	569.7	1069.2	39635	88.5	2.36	208.9	360.8	569.7	11,794
Penryhn	24	Penryhn	193	3267	5446	8713	280.8	19.5	2.41	46.9	68.1	6.1	121.1								
Broom	30A01	Penryhn	193	197	5374	5571	68.4	12.4	2.56	31.9	71.9	4.0	107.7								
Subtotal (Section ECI-2)						14284	349.2	31.9	4.97	78.8	140.0	10.0	228.8	1418.4	53919	120.4	2.23	269.1	510.7	779.9	15,904
Humber	25	Humber	193	414	138	552	56.2	1.2	3.16	3.9	90.0	4.6	98.5								
Subtotal (Section ECI-3)						552	56.2	1.2	3.16	3.9	90.0	4.6	98.5	1474.6	54471	121.7	2.23	271.4	605.3	876.7	16,228
Rutland	26	Rutland	193	757	0	757	78.4	1.7	3.10	5.2	90.0	1.9	97.2								
Subtotal (Section ECI-4)						757	78.4	1.7	3.10	5.2	90.0	1.9	97.2	1553.0	55227	123.4	2.22	274.5	697.2	971.7	16,678
Estevan	27	ECIMH029	193	1626	105	1731	72.7	3.9	2.91	11.2	78.6	3.2	93.0								
Dalhousie	28	ECIMH029	193	785	0	785	29.4	1.8	3.09	5.4	31.8	1.3	38.5								
Subtotal (Section ECI-5)						2516	102.1	5.6	16.7	110.4	4.5	131.5	1655.1	57743	129.0	2.21	284.7	812.1	1096.7	17,560	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	99234	221.7	2.00	443.9	2862.9	3306.8	29,395

Richmond	34	ECIMH005	193	9115	1734	10849	227.6	24.2	2.34	56.6	631.8	15.1	703.4								
Subtotal (Section ECI-7)						10849	227.6	24.2	2.34	56.6	631.8	15.1	703.4	2870.1	110084	245.9	1.97	483.5	3509.7	3993.2	32,371
Harting/Hollywood	35	ECIMH001	193	383	0	383	67.5	0.9	3.22	2.9	187.4	4.5	194.6								
Subtotal (Section NETC-1)						383	67.5	0.9	3.22	2.9	187.4	4.5	194.6	2937.6	110467	246.8	1.96	484.8	3701.5	4186.4	32,706
Bushby	37	NECMH010	193	1277	7	1284	45.1	2.9	2.98	8.6	87.1	5.1	100.7								
Subtotal (Section NETC-2)						1284	45.1	2.9	2.98	8.6	87.1	5.1	100.7	2982.7	111751	249.6	1.96	489.5	3793.7	4283.2	33,129
Clover	38	NECMH003	193	44593	35668	80261	846.6	179.3	1.66	298.4	1634.4	96.2	2029.0								
Subtotal (Section NETC-3)						80261	846.6	179.3	1.66	298.4	1634.4	96.2	2029.0	3829.3	192012	428.9	1.78	765.2	5524.4	6289.6	51,901

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2030, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	193	1584	0	1584	40.6	3.5	2.93	10.4	143.6	2.3	156.2								
Subtotal (Section NETB-1)						1584	40.6	3.5	2.93	10.4	143.6	2.3	156.2	40.6	1584	3.5	2.93	10.4	145.8	156.2	463
Trent	39A02	NEBMH062	193	2438	1514	3952	58.8	8.8	2.67	23.6	207.9	3.3	234.8								
Trent	39A03	NEBMH059	193	532	117	649	12.4	1.5	3.13	4.5	43.8	0.7	49.1								
Subtotal (Section NETB-2)						4602	71.2	10.3	28.1	251.8	4.0	283.9	111.8	6186	13.8	3.16	43.6	401.6	445.2	1,627	
Trent	39C03	NEBMH054	193	1984	171	2155	39.7	4.8	2.85	13.7	103.7	1.0	118.5								
Subtotal (Section NETB-3)						2155	39.7	4.8	2.85	13.7	103.7	1.0	118.5	151.5	8341	18.6	3.03	56.5	506.3	562.8	2,197
Trent	39B01	NEBMH050	193	5756	424	6180	102.7	13.8	2.53	34.9	369.6	19.4	423.9								
Trent	39B02	NEBMH050	193	1826	120	1946	47.2	4.3	2.88	12.5	169.9	8.9	191.3								
Trent	39C02	NEBMH049	193	1019	0	1019	20.4	2.3	3.04	6.9	53.3	0.5	60.7								
Trent	39C04	NEBMH041	193	420	518	938	12.5	2.1	3.05	6.4	32.7	0.3	39.4								
Subtotal (Section NETB-4)						10083	182.8	22.5	60.7	625.4	29.2	715.3	334.3	18424	41.2	2.69	110.6	1160.9	1271.6	4,852	
Trent	39C01	NEBMH035	193	5856	889	6745	93.5	15.1	2.50	37.6	244.3	2.4	284.4								
Broom	30A02	NEBMH033	193	2382	383	2765	145.5	6.2	2.78	17.2	190.9	8.5	216.5								
Broom	30B01	NEBMH032	193	392	0	392	11.5	0.9	3.22	2.8	7.9	0.7	11.4								
Broom	30B02	NEBMH030	193	322	49	371	6.4	0.8	3.23	2.7	4.4	0.4	7.4								
Subtotal (Section NETB-5)						10273	256.9	22.9	60.3	447.4	11.9	519.6	591.2	28697	64.1	2.50	160.0	1620.3	1780.3	7,830	
Broom	30B03	NEBMH028	193	691	421	1112	20.8	2.5	3.02	7.5	14.2	1.2	22.9								
Broom	30B04	NEBMH027	193	0	515	515	5.5	1.2	3.17	3.7	3.8	0.3	7.7								
Broom	30B05	NEBMH026	193	227	116	343	8.5	0.8	3.24	2.5	5.8	0.5	8.8								
Broom	30B06	NEBMH026	193	239	4	243	4.1	0.5	3.29	1.8	2.8	0.2	4.8								
Broom	30B07	NEBMH025	193	83	0	83	2.4	0.2	3.41	0.6	1.6	0.1	2.4								
Subtotal (Section NETB-6)						2297	41.3	5.1	16.1	28.2	2.4	46.7	632.5	30994	69.2	2.46	170.5	1650.9	1821.4	8,433	
Broom	30B09	NEBMH024	193	2273	283	2556	65.2	5.7	2.80	16.0	44.6	3.8	64.3								
Broom	30B08	NEBMH022	193	128	0	128	4.2	0.3	3.37	1.0	2.9	0.2	4.1								
Broom	30B10	NEBMH020	193	43	9	52	3.5	0.1	3.45	0.4	2.4	0.2	3.0								
Broom	30B11	NEBMH020	193	69	0	69	2.1	0.2	3.43	0.5	1.4	0.1	2.1								
Windsor	31A	NEBMH017	193	121	0	121	4.6	0.3	3.38	0.9	3.1	0.3	4.3								
Subtotal (Section NETB-7)						2925	79.6	6.5	18.8	54.4	4.6	77.8	712.1	33920	75.8	2.43	183.7	1709.9	1893.7	9,307	
Esplanade	29	NEBMH014	193	353	66	419	15.4	0.9	3.21	3.0	20.2	0.9	24.1								
Subtotal (Section NETB-8)						419	15.4	0.9	3.21	3.0	20.2	0.9	24.1	727.5	34338	76.7	2.42	185.6	1731.0	1916.7	9,447
Windsor	31B	NEBMH003	193	1689	216	1905	57.2	4.3	2.88	12.3	39.1	3.3	54.7								
Currie	32	NEBMH001	193	4972	277	5249	202.7	11.7	2.58	30.3	652.1	19.8	702.1								
Subtotal (Section NETB-9)						7153	259.9	16.0	42.5	691.2	23.1	756.8	987.4	41491	92.7	2.34	217.0	2445.4	2662.3	11,835	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	193	28282	11353	39635	1069.2	88.5	2.36	208.9	392.9	39.5	641.3								
Subtotal (Section ECI-1)						39635	1069.2	88.5	2.36	208.9	392.9	39.5	641.3	1069.2	39635	88.5	2.36	208.9	432.4	641.3	11,794
Penryhn	24	Penryhn	193	3267	5446	8713	280.8	19.5	2.41	46.9	86.8	6.1	139.8								
Broom	30A01	Penryhn	193	197	5374	5571	68.4	12.4	2.56	31.9	89.7	4.0	125.6								
Subtotal (Section ECI-2)						14284	349.2	31.9	4.97	78.8	176.5	10.0	265.3	1418.4	53919	120.4	2.23	269.1	618.9	888.0	15,904
Humber	25	Humber	193	414	138	552	56.2	1.2	3.16	3.9	90.0	4.6	98.5								
Subtotal (Section ECI-3)						552	56.2	1.2	3.16	3.9	90.0	4.6	98.5	1474.6	54471	121.7	2.23	271.4	713.5	984.9	16,228
Rutland	26	Rutland	193	757	0	757	78.4	1.7	3.10	5.2	90.0	1.9	97.2								
Subtotal (Section ECI-4)						757	78.4	1.7	3.10	5.2	90.0	1.9	97.2	1553.0	55227	123.4	2.22	274.5	805.4	1079.9	16,678
Estevan	27	ECIMH029	193	1626	105	1731	72.7	3.9	2.91	11.2	88.9	3.2	103.3								
Dalhousie	28	ECIMH029	193	785	0	785	29.4	1.8	3.09	5.4	36.0	1.3	42.7								
Subtotal (Section ECI-5)						2516	102.1	5.6	16.7	124.9	4.5	146.0	1655.1	57743	129.0	2.21	284.7	934.8	1219.4	17,560	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	99234	221.7	2.00	443.9	3380.1	3824.1	29,395
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Richmond	34	ECIMH005	193	9115	1734	10849	227.6	24.2	2.34	56.6	758.3	15.1	830.0								
Subtotal (Section ECI-7)						10849	227.6	24.2	2.34	56.6	758.3	15.1	830.0	2870.1	110084	245.9	1.97	483.5	4153.5	4637.0	32,371
Harting/Hollywood	35	ECIMH001	193	383	0	383	67.5	0.9	3.22	2.8	224.9	4.5	232.1								
Subtotal (Section NETC-1)						383	67.5	0.9	3.22	2.8	224.9	4.5	232.1	2937.6	110467	246.8	1.96	484.8	4382.9	4867.7	32,706
Bushby	37	NECMH010	193	1277	7	1284	45.1	2.9	2.98	8.6	102.5	5.1	116.1								
Subtotal (Section NETC-2)						1284	45.1	2.9	2.98	8.6	102.5	5.1	116.1	2982.7	111751	249.6	1.96	489.5	4490.5	4979.9	33,129
Clover	38	NECMH003	193	44593	35668	80261	846.6	179.3	1.66	298.4	1923.3	96.2	2318.0								
Subtotal (Section NETC-3)						80261	846.6	179.3	1.66	298.4	1923.3	96.2	2318.0	3829.3	192012	428.9	1.78	765.2	6510.0	7275.2	51,901

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	173	1731	0	1731	40.6	3.5	2.91	10.1	55.2	2.3	67.6								
Subtotal (Section NETB-1)						1731	40.6	3.5	2.91	10.1	55.2	2.3	67.6	40.6	1731	3.5	2.91	10.1	57.5	67.6	457
Trent	39A02	NEBMH062	173	2660	1623	4283	58.8	8.6	2.65	22.7	80.0	3.3	105.9								
Trent	39A03	NEBMH059	173	581	124	705	12.4	1.4	3.11	4.4	16.9	0.7	22.0								
Subtotal (Section NETB-2)						4989	71.2	10.0	27.1	96.8	4.0	127.9	111.8	6720	13.5	3.12	42.0	158.3	200.3	1,596	
Trent	39C03	NEBMH054	173	2176	189	2365	39.7	4.7	2.82	13.4	51.2	1.0	65.6								
Subtotal (Section NETB-3)						2365	39.7	4.7	2.82	13.4	51.2	1.0	65.6	151.5	9085	18.2	3.00	54.5	210.5	285.0	2,159
Trent	39B01	NEBMH050	173	6282	448	6730	102.7	13.5	2.50	33.7	215.3	19.4	268.3								
Trent	39B02	NEBMH050	173	1992	126	2120	47.2	4.2	2.85	12.1	98.9	8.9	120.0								
Trent	39C02	NEBMH049	173	1113	0	1113	20.4	2.2	3.02	6.7	26.3	0.5	33.6								
Trent	39C04	NEBMH041	173	360	574	934	12.5	1.9	3.06	5.7	16.1	0.3	22.2								
Subtotal (Section NETB-4)						10898	182.8	21.8	58.2	356.6	29.2	444.0	334.3	19983	40.0	2.65	106.1	596.3	702.4	4,753	
Trent	39C01	NEBMH035	173	6390	940	7330	93.5	14.7	2.47	36.2	120.5	2.4	159.2								
Broom	30A02	NEBMH033	173	2414	392	2806	145.5	5.6	2.77	15.6	76.3	8.5	100.4								
Broom	30B01	NEBMH032	173	329	0	329	11.5	0.7	3.25	2.1	5.0	0.7	7.8								
Broom	30B02	NEBMH030	173	327	49	376	6.4	0.8	3.23	2.4	2.8	0.4	5.6								
Subtotal (Section NETB-5)						10841	256.9	21.7	56.4	204.7	11.9	273.0	591.2	30824	61.7	2.47	152.2	812.9	965.1	7,624	
Broom	30B03	NEBMH028	173	745	442	1187	20.8	2.4	3.00	7.1	9.1	1.2	17.4								
Broom	30B04	NEBMH027	173	0	528	528	5.5	1.1	3.17	3.4	2.4	0.3	6.1								
Broom	30B05	NEBMH026	173	231	118	349	8.5	0.7	3.24	2.3	3.7	0.5	6.5								
Broom	30B06	NEBMH026	173	242	4	246	4.1	0.5	3.29	1.6	1.8	0.2	3.7								
Broom	30B07	NEBMH025	173	84	0	84	2.4	0.2	3.41	0.6	1.0	0.1	1.8								
Subtotal (Section NETB-6)						2394	41.3	4.8	14.9	18.1	2.4	35.4	632.5	33218	66.5	2.43	161.9	833.3	995.2	8,198	
Broom	30B09	NEBMH024	173	2303	290	2593	65.2	5.2	2.80	14.5	28.5	3.8	46.8								
Broom	30B08	NEBMH022	173	130	0	130	4.2	0.3	3.37	0.9	1.8	0.2	3.0								
Broom	30B10	NEBMH020	173	44	9	53	3.5	0.1	3.45	0.4	1.5	0.2	2.1								
Broom	30B11	NEBMH020	173	69	0	69	2.1	0.1	3.43	0.5	0.9	0.1	1.5								
Windsor	31A	NEBMH017	173	122	0	122	4.6	0.2	3.38	0.8	2.0	0.3	3.1								
Subtotal (Section NETB-7)						2967	79.6	5.9	17.1	34.8	4.6	56.5	712.1	36185	72.5	2.40	173.7	872.8	1046.5	9,020	
Esplanade	29	NEBMH014	173	358	68	426	15.4	0.9	3.21	2.7	8.1	0.9	11.7								
Subtotal (Section NETB-8)						426	15.4	0.9	3.21	2.7	8.1	0.9	11.7	727.5	36611	73.3	2.39	175.4	881.7	1057.2	9,153
Windsor	31B	NEBMH003	173	1711	221	1932	57.2	3.9	2.88	11.1	25.0	3.3	39.5								
Currie	32	NEBMH001	173	5037	284	5321	202.7	10.7	2.58	27.4	325.2	19.8	372.4								
Subtotal (Section NETB-9)						7253	259.9	14.5	38.6	350.2	23.1	411.8	987.4	43864	87.8	2.32	203.6	1255.0	1458.6	11,416	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	173	30712	17617	48329	1069.2	96.8	2.28	220.5	176.4	39.5	436.4								
Subtotal (Section ECI-1)						48329	1069.2	96.8	2.28	220.5	176.4	39.5	436.4	1069.2	48329	96.8	2.28	220.5	215.9	436.4	12,505
Penryn	24	Penryn	173	2801	5483	8284	280.8	16.6	2.43	40.3	30.3	6.1	76.6								
Broom	30A01	Penryn	173	200	5374	5574	68.4	11.2	2.56	28.6	35.9	4.0	68.4								
Subtotal (Section ECI-2)						13858	349.2	27.7	4.99	68.9	66.2	10.0	145.1	1418.4	62187	124.5	2.18	271.2	292.1	563.3	16,256
Humber	25	Humber	173	419	141	560	56.2	1.1	3.16	3.5	90.0	4.6	98.1								
Subtotal (Section ECI-3)						560	56.2	1.1	3.16	3.5	90.0	4.6	98.1	1474.6	62747	125.6	2.17	273.2	386.7	659.9	16,571
Rutland	26	Rutland	173	766	0	766	78.4	1.5	3.10	4.8	90.0	1.9	96.7								
Subtotal (Section ECI-4)						766	78.4	1.5	3.10	4.8	90.0	1.9	96.7	1553.0	63513	127.2	2.17	275.9	478.6	754.5	17,007
Estevan	27	ECIMH029	173	1647	108	1755	72.7	3.5	2.90	10.2	57.7	3.2	71.1								
Dalhousie	28	ECIMH029	173	795	0	795	29.4	1.6	3.09	4.9	23.3	1.3	29.5								
Subtotal (Section ECI-5)						2551	102.1	5.1	15.1	81.0	4.5	100.6	1655.1	66064	132.3	2.15	285.0	564.1	849.1	17,844	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	109928	220.1	1.97	432.9	1819.1	2251.9	29,260

Richmond	34	ECIMH005	173	9913	1829	11742	227.6	23.5	2.31	54.3	375.9	15.1	445.2								
Subtotal (Section ECI-7)						11742	227.6	23.5	2.31	54.3	375.9	15.1	445.2	2870.1	121670	243.6	1.93	470.5	2210.0	2680.5	32,173
Haring/Hollywood	35	ECIMH001	173	388	0	388	67.5	0.8	3.22	2.5	111.5	4.5	118.4								
Subtotal (Section NETC-1)						388	67.5	0.8	3.22	2.5	111.5	4.5	118.4	2937.6	122058	244.4	1.93	471.8	2325.9	2797.7	32,502
Bushby	37	NECMH010	173	1393	8	1401	45.1	2.8	2.96	8.3	55.9	5.1	69.4								
Subtotal (Section NETC-2)						1401	45.1	2.8	2.96	8.3	55.9	5.1	69.4	2982.7	123459	247.2	1.93	476.2	2387.0	2863.2	32,919
Clover	38	NECMH003	173	48664	37715	86379	846.6	173.0	1.64	284.1	1050.1	96.2	1430.4								
Subtotal (Section NETC-3)						86379	846.6	173.0	1.64	284.1	1050.1	96.2	1430.4	3829.3	209838	420.2	1.76	738.4	3533.3	4271.7	51,144

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	173	1731	0	1731	40.6	3.5	2.91	10.1	78.8	2.3	91.2								
Subtotal (Section NETB-1)						1731	40.6	3.5	2.91	10.1	78.8	2.3	91.2	40.6	1731	3.5	2.91	10.1	81.1	91.2	457
Trent	39A02	NEBMH062	173	2660	1623	4283	58.8	8.6	2.65	22.7	114.2	3.3	140.1								
Trent	39A03	NEBMH059	173	581	124	705	12.4	1.4	3.11	4.4	24.1	0.7	29.2								
Subtotal (Section NETB-2)						4989	71.2	10.0	27.1	138.2	4.0	169.3	111.8	6720	13.5	3.12	42.0	223.3	265.3	1,596	
Trent	39C03	NEBMH054	173	2176	189	2365	39.7	4.7	2.82	13.4	65.2	1.0	79.6								
Subtotal (Section NETB-3)						2365	39.7	4.7	2.82	13.4	65.2	1.0	79.6	151.5	9085	18.2	3.00	54.5	289.6	344.1	2,159
Trent	39B01	NEBMH050	173	6282	448	6730	102.7	13.5	2.50	33.7	256.7	19.4	309.8								
Trent	39B02	NEBMH050	173	1992	126	2120	47.2	4.2	2.85	12.1	118.0	8.9	139.0								
Trent	39C02	NEBMH049	173	1113	0	1113	20.4	2.2	3.02	6.7	33.5	0.5	40.8								
Trent	39C04	NEBMH041	173	360	574	934	12.5	1.9	3.06	5.7	20.5	0.3	26.6								
Subtotal (Section NETB-4)						10898	162.8	21.8	58.2	428.7	29.2	516.1	334.3	19983	40.0	2.65	106.1	747.5	853.6	4,753	
Trent	39C01	NEBMH035	173	6390	940	7330	93.5	14.7	2.47	36.2	153.6	2.4	192.3								
Broom	30A02	NEBMH033	173	2414	392	2806	145.5	5.6	2.77	15.6	106.9	8.5	131.0								
Broom	30B01	NEBMH032	173	329	0	329	11.5	0.7	3.25	2.1	5.8	0.7	8.6								
Broom	30B02	NEBMH030	173	327	49	376	6.4	0.8	3.23	2.4	3.2	0.4	6.0								
Subtotal (Section NETB-5)						10841	256.9	21.7	56.4	269.6	11.9	337.9	591.2	30824	61.7	2.47	152.2	1028.9	1181.1	7,624	
Broom	30B03	NEBMH028	173	745	442	1187	20.8	2.4	3.00	7.1	10.5	1.2	18.8								
Broom	30B04	NEBMH027	173	0	528	528	5.5	1.1	3.17	3.4	2.8	0.3	6.4								
Broom	30B05	NEBMH026	173	231	118	349	8.5	0.7	3.24	2.3	4.3	0.5	7.0								
Broom	30B06	NEBMH026	173	242	4	246	4.1	0.5	3.29	1.6	2.1	0.2	3.9								
Broom	30B07	NEBMH025	173	84	0	84	2.4	0.2	3.41	0.6	1.2	0.1	1.9								
Subtotal (Section NETB-6)						2394	41.3	4.8	14.9	20.8	2.4	38.1	632.5	33218	66.5	2.43	161.9	1052.1	1214.0	8,198	
Broom	30B09	NEBMH024	173	2303	290	2593	65.2	5.2	2.80	14.5	32.8	3.8	51.1								
Broom	30B08	NEBMH022	173	130	0	130	4.2	0.3	3.37	0.9	2.1	0.2	3.2								
Broom	30B10	NEBMH020	173	44	9	53	3.5	0.1	3.45	0.4	1.8	0.2	2.3								
Broom	30B11	NEBMH020	173	69	0	69	2.1	0.1	3.43	0.5	1.1	0.1	1.7								
Windsor	31A	NEBMH017	173	122	0	122	4.6	0.2	3.38	0.8	2.3	0.3	3.4								
Subtotal (Section NETB-7)						2967	79.6	5.9	17.1	40.1	4.6	61.8	712.1	36185	72.5	2.40	173.7	1096.8	1270.6	9,020	
Esplanade	29	NEBMH014	173	358	68	426	15.4	0.9	3.21	2.7	11.3	0.9	14.9								
Subtotal (Section NETB-8)						426	15.4	0.9	3.21	2.7	11.3	0.9	14.9	727.5	36611	73.3	2.39	175.4	1109.1	1284.5	9,153
Windsor	31B	NEBMH003	173	1711	221	1932	57.2	3.9	2.88	11.1	28.8	3.3	43.3								
Currie	32	NEBMH001	173	5037	284	5321	202.7	10.7	2.58	27.4	412.8	19.8	460.0								
Subtotal (Section NETB-9)						7253	259.9	14.5	38.6	441.6	23.1	503.2	987.4	43864	87.8	2.32	203.6	1573.7	1777.3	11,416	

NET-B Ends at the Currie Major Pump Station

ECI

Arbutus	23	ECIMH041	173	30712	17617	48329	1069.2	96.8	2.28	220.5	234.4	39.5	494.4								
Subtotal (Section ECI-1)						48329	1069.2	96.8	2.28	220.5	234.4	39.5	494.4	1069.2	48329	96.8	2.28	220.5	273.9	494.4	12,505
Penryn	24	Penryn	173	2801	5483	8284	280.8	16.6	2.43	40.3	45.4	6.1	91.8								
Broom	30A01	Penryn	173	200	5374	5574	68.4	11.2	2.56	28.6	50.3	4.0	82.8								
Subtotal (Section ECI-2)						13858	349.2	27.7	4.99	68.9	95.7	10.0	174.6	1418.4	62187	124.5	2.18	271.2	379.7	650.8	16,256
Humber	25	Humber	173	419	141	560	56.2	1.1	3.16	3.5	90.0	4.6	98.1								
Subtotal (Section ECI-3)						560	56.2	1.1	3.16	3.5	90.0	4.6	98.1	1474.6	62747	125.6	2.17	273.2	474.2	747.4	16,571
Rutland	26	Rutland	173	766	0	766	78.4	1.5	3.10	4.8	90.0	1.9	96.7								
Subtotal (Section ECI-4)						766	78.4	1.5	3.10	4.8	90.0	1.9	96.7	1553.0	63513	127.2	2.17	275.9	566.1	842.1	17,007
Estevan	27	ECIMH029	173	1647	108	1755	72.7	3.5	2.90	10.2	66.1	3.2	79.4								
Dalhousie	28	ECIMH029	173	795	0	795	29.4	1.6	3.09	4.9	26.7	1.3	32.9								
Subtotal (Section ECI-5)						2551	102.1	5.1	15.1	92.8	4.5	112.4	1655.1	66064	132.3	2.15	285.0	663.4	948.4	17,844	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	109928	220.1	1.97	432.9	2237.1	2670.0	29,260
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Richmond	34	ECIMH005	173	9913	1829	11742	227.6	23.5	2.31	54.3	478.5	15.1	547.8								
Subtotal (Section ECI-7)						11742	227.6	23.5	2.31	54.3	478.5	15.1	547.8	2870.1	121670	243.6	1.93	470.5	2730.7	3201.2	32,173
Haring/Hollywood	35	ECIMH001	173	388	0	388	67.5	0.8	3.22	2.5	141.9	4.5	148.9								
Subtotal (Section NETC-1)						388	67.5	0.8	3.22	2.5	141.9	4.5	148.9	2937.6	122058	244.4	1.93	471.8	2877.1	3348.8	32,502
Bushby	37	NECMH010	173	1393	8	1401	45.1	2.8	2.96	8.3	68.4	5.1	81.8								
Subtotal (Section NETC-2)						1401	45.1	2.8	2.96	8.3	68.4	5.1	81.8	2982.7	123459	247.2	1.93	476.2	2950.6	3426.8	32,919
Clover	38	NECMH003	173	48664	37715	86379	846.6	173.0	1.64	284.1	1284.1	96.2	1664.4								
Subtotal (Section NETC-3)						86379	846.6	173.0	1.64	284.1	1284.1	96.2	1664.4	3829.3	209838	420.2	1.76	738.4	4330.9	5069.3	51,144

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)	
Trent	39A01	NEBMH066	173	1731	0	1731	40.6	3.5	2.91	10.1	94.5	2.3	106.8									
Subtotal (Section NETB-1)						1731	40.6	3.5	2.91	10.1	94.5	2.3	106.8	40.6	1731	3.5	2.91	10.1	96.8	106.8	457	
Trent	39A02	NEBMH062	173	2660	1623	4283	58.8	8.6	2.65	22.7	136.9	3.3	162.8									
Trent	39A03	NEBMH059	173	581	124	705	12.4	1.4	3.11	4.4	28.9	0.7	34.0									
Subtotal (Section NETB-2)						4989	71.2	10.0	27.1	165.7	4.0	196.8	111.8	6720	13.5	3.12	42.0	266.5	308.5	1,596		
Trent	39C03	NEBMH054	173	2176	189	2365	39.7	4.7	2.82	13.4	74.5	1.0	88.9									
Subtotal (Section NETB-3)						2365	39.7	4.7	2.82	13.4	74.5	1.0	88.9	151.5	9085	18.2	3.00	54.5	342.1	396.6	2,159	
Trent	39B01	NEBMH050	173	6282	448	6730	102.7	13.5	2.50	33.7	283.9	19.4	337.0									
Trent	39B02	NEBMH050	173	1992	126	2120	47.2	4.2	2.85	12.1	130.5	8.9	151.5									
Trent	39C02	NEBMH049	173	1113	0	1113	20.4	2.2	3.02	6.7	38.3	0.5	45.6									
Trent	39C04	NEBMH041	173	360	574	934	12.5	1.9	3.06	5.7	23.5	0.3	29.5									
Subtotal (Section NETB-4)						10898	162.8	21.8	58.2	476.2	29.2	563.6	334.3	19983	40.0	2.65	106.1	847.4	953.6	4,753		
Trent	39C01	NEBMH035	173	6390	940	7330	93.5	14.7	2.47	36.2	175.6	2.4	214.3									
Broom	30A02	NEBMH033	173	2414	392	2806	145.5	5.6	2.77	15.6	127.3	8.5	151.3									
Broom	30B01	NEBMH032	173	329	0	329	11.5	0.7	3.25	2.1	6.3	0.7	9.1									
Broom	30B02	NEBMH030	173	327	49	376	6.4	0.8	3.23	2.4	3.5	0.4	6.3									
Subtotal (Section NETB-5)						10841	256.9	21.7	56.4	312.6	11.9	380.9	591.2	30824	61.7	2.47	152.2	1171.9	1324.1	7,624		
Broom	30B03	NEBMH028	173	745	442	1187	20.8	2.4	3.00	7.1	11.3	1.2	19.7									
Broom	30B04	NEBMH027	173	0	528	528	5.5	1.1	3.17	3.4	3.0	0.3	6.7									
Broom	30B05	NEBMH026	173	231	118	349	8.5	0.7	3.24	2.3	4.6	0.5	7.4									
Broom	30B06	NEBMH026	173	242	4	246	4.1	0.5	3.29	1.6	2.2	0.2	4.1									
Broom	30B07	NEBMH025	173	84	0	84	2.4	0.2	3.41	0.6	1.3	0.1	2.0									
Subtotal (Section NETB-6)						2394	41.3	4.8	14.9	22.5	2.4	39.9	632.5	33218	66.5	2.43	161.9	1196.9	1358.8	8,198		
Broom	30B09	NEBMH024	173	2303	290	2593	65.2	5.2	2.80	14.5	35.6	3.8	53.9									
Broom	30B08	NEBMH022	173	130	0	130	4.2	0.3	3.37	0.9	2.3	0.2	3.4									
Broom	30B10	NEBMH020	173	44	9	53	3.5	0.1	3.45	0.4	1.9	0.2	2.5									
Broom	30B11	NEBMH020	173	69	0	69	2.1	0.1	3.43	0.5	1.1	0.1	1.7									
Windsor	31A	NEBMH017	173	122	0	122	4.6	0.2	3.38	0.8	2.5	0.3	3.6									
Subtotal (Section NETB-7)						2967	79.6	5.9	17.1	43.4	4.6	65.1	712.1	36185	72.5	2.40	173.7	1244.9	1418.7	9,020		
Esplanade	29	NEBMH014	173	358	68	426	15.4	0.9	3.21	2.7	13.5	0.9	17.1									
Subtotal (Section NETB-8)						426	15.4	0.9	3.21	2.7	13.5	0.9	17.1	727.5	36611	73.3	2.39	175.4	1259.3	1434.7	9,153	
Windsor	31B	NEBMH003	173	1711	221	1932	57.2	3.9	2.88	11.1	31.2	3.3	45.7									
Currie	32	NEBMH001	173	5037	284	5321	202.7	10.7	2.58	27.4	470.7	19.8	517.9									
Subtotal (Section NETB-9)						7253	259.9	14.5	38.6	501.9	23.1	563.6	987.4	43864	87.8	2.32	203.6	1784.3	1987.9	11,416		

NET-B Ends at the Currie Major Pump Station

ECI

Arbutus	23	ECIMH041	173	30712	17617	48329	1069.2	96.8	2.28	220.5	272.7	39.5	532.7									
Subtotal (Section ECI-1)						48329	1069.2	96.8	2.28	220.5	272.7	39.5	532.7	1069.2	48329	96.8	2.28	220.5	312.3	532.7	12,505	
Penryn	24	Penryn	173	2801	5483	8284	280.8	16.6	2.43	40.3	55.4	6.1	101.8									
Broom	30A01	Penryn	173	200	5374	5574	68.4	11.2	2.56	28.6	59.8	4.0	92.4									
Subtotal (Section ECI-2)						13858	349.2	27.7	4.99	68.9	115.3	10.0	194.2	1418.4	62187	124.5	2.18	271.2	437.6	708.8	16,256	
Humber	25	Humber	173	419	141	560	56.2	1.1	3.16	3.5	90.0	4.6	98.1									
Subtotal (Section ECI-3)						560	56.2	1.1	3.16	3.5	90.0	4.6	98.1	1474.6	62747	125.6	2.17	273.2	532.1	805.3	16,571	
Rutland	26	Rutland	173	766	0	766	78.4	1.5	3.10	4.8	90.0	1.9	96.7									
Subtotal (Section ECI-4)						766	78.4	1.5	3.10	4.8	90.0	1.9	96.7	1553.0	63513	127.2	2.17	275.9	624.0	900.0	17,007	
Estevan	27	ECIMH029	173	1647	108	1755	72.7	3.5	2.90	10.2	71.6	3.2	85.0									
Dalhousie	28	ECIMH029	173	795	0	795	29.4	1.6	3.09	4.9	28.9	1.3	35.2									
Subtotal (Section ECI-5)						2551	102.1	5.1	15.1	100.5	4.5	120.1	1655.1	66064	132.3	2.15	285.0	729.0	1014.0	17,844		

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	109928	220.1	1.97	432.9	2513.3	2946.2	29,260
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Richmond	34	ECIMH005	173	9913	1829	11742	227.6	23.5	2.31	54.3	546.0	15.1	615.3									
Subtotal (Section ECI-7)						11742	227.6	23.5	2.31	54.3	546.0	15.1	615.3	2870.1	121670	243.6	1.93	470.5	3074.4	3544.9	32,173	
Harting/Hollywood	35	ECIMH001	173	388	0	388	67.5	0.8	3.22	2.5	161.9	4.5	168.9									
Subtotal (Section NETC-1)						388	67.5	0.8	3.22	2.5	161.9	4.5	168.9	2937.6	122058	244.4	1.93	471.8	3240.8	3712.6	32,502	
Bushby	37	NECMH010	173	1393	8	1401	45.1	2.8	2.96	8.3	76.6	5.1	90.1									
Subtotal (Section NETC-2)						1401	45.1	2.8	2.96	8.3	76.6	5.1	90.1	2982.7	123459	247.2	1.93	476.2	3322.6	3798.8	32,919	
Clover	38	NECMH003	173	48664	37715	86379	846.6	173.0	1.64	284.1	1438.8	96.2	1819.1									
Subtotal (Section NETC-3)						86379	846.6	173.0	1.64	284.1	1438.8	96.2	1819.1	3829.3	209838	420.2	1.76	738.4	4857.6	5595.9	51,144	

NET/ECI Estimated Wastewater Flows
Year = 2045, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	173	1731	0	1731	40.6	3.5	2.91	10.1	114.3	2.3	126.6								
Subtotal (Section NETB-1)						1731	40.6	3.5	2.91	10.1	114.3	2.3	126.6	40.6	1731	3.5	2.91	10.1	116.5	126.6	457
Trent	39A02	NEBMH062	173	2660	1623	4283	58.8	8.6	2.65	22.7	165.5	3.3	191.4								
Trent	39A03	NEBMH059	173	581	124	705	12.4	1.4	3.11	4.4	34.9	0.7	40.0								
Subtotal (Section NETB-2)						4989	71.2	10.0	27.1	200.4	4.0	231.4	111.8	6720	13.5	3.12	42.0	320.9	362.9	1,596	
Trent	39C03	NEBMH054	173	2176	189	2365	39.7	4.7	2.82	13.4	86.3	1.0	100.7								
Subtotal (Section NETB-3)						2365	39.7	4.7	2.82	13.4	86.3	1.0	100.7	151.5	9085	18.2	3.00	54.5	408.2	462.7	2,159
Trent	39B01	NEBMH050	173	6282	448	6730	102.7	13.5	2.50	33.7	318.5	19.4	371.6								
Trent	39B02	NEBMH050	173	1992	126	2120	47.2	4.2	2.85	12.1	146.4	8.9	167.4								
Trent	39C02	NEBMH049	173	1113	0	1113	20.4	2.2	3.02	6.7	44.3	0.5	51.6								
Trent	39C04	NEBMH041	173	360	574	934	12.5	1.9	3.06	5.7	27.2	0.3	33.2								
Subtotal (Section NETB-4)						10898	162.8	21.8	58.2	536.4	29.2	623.8	334.3	19983	40.0	2.65	106.1	973.8	1079.9	4,753	
Trent	39C01	NEBMH035	173	6390	940	7330	93.5	14.7	2.47	36.2	203.2	2.4	241.9								
Broom	30A02	NEBMH033	173	2414	392	2806	145.5	5.6	2.77	15.6	152.9	8.5	176.9								
Broom	30B01	NEBMH032	173	329	0	329	11.5	0.7	3.25	2.1	6.9	0.7	9.7								
Broom	30B02	NEBMH030	173	327	49	376	6.4	0.8	3.23	2.4	3.8	0.4	6.7								
Subtotal (Section NETB-5)						10841	256.9	21.7	56.4	366.9	11.9	435.2	591.2	30824	61.7	2.47	152.2	1352.6	1504.8	7,624	
Broom	30B03	NEBMH028	173	745	442	1187	20.8	2.4	3.00	7.1	12.5	1.2	20.9								
Broom	30B04	NEBMH027	173	0	528	528	5.5	1.1	3.17	3.4	3.3	0.3	7.0								
Broom	30B05	NEBMH026	173	231	118	349	8.5	0.7	3.24	2.3	5.1	0.5	7.9								
Broom	30B06	NEBMH026	173	242	4	246	4.1	0.5	3.29	1.6	2.5	0.2	4.3								
Broom	30B07	NEBMH025	173	84	0	84	2.4	0.2	3.41	0.6	1.4	0.1	2.2								
Subtotal (Section NETB-6)						2394	41.3	4.8	14.9	24.8	2.4	42.2	632.5	33218	66.5	2.43	161.9	1379.8	1541.7	8,198	
Broom	30B09	NEBMH024	173	2303	290	2593	65.2	5.2	2.80	14.5	39.2	3.8	57.5								
Broom	30B08	NEBMH022	173	130	0	130	4.2	0.3	3.37	0.9	2.5	0.2	3.6								
Broom	30B10	NEBMH020	173	44	9	53	3.5	0.1	3.45	0.4	2.1	0.2	2.7								
Broom	30B11	NEBMH020	173	69	0	69	2.1	0.1	3.43	0.5	1.3	0.1	1.9								
Windsor	31A	NEBMH017	173	122	0	122	4.6	0.2	3.38	0.8	2.9	0.3	3.9								
Subtotal (Section NETB-7)						2967	79.6	5.9	17.1	47.9	4.6	69.6	712.1	36185	72.5	2.40	173.7	1432.3	1606.0	9,020	
Esplanade	29	NEBMH014	173	358	68	426	15.4	0.9	3.21	2.7	16.2	0.9	19.8								
Subtotal (Section NETB-8)						426	15.4	0.9	3.21	2.7	16.2	0.9	19.8	727.5	36611	73.3	2.39	175.4	1449.4	1624.8	9,153
Windsor	31B	NEBMH003	173	1711	221	1932	57.2	3.9	2.88	11.1	34.4	3.3	48.9								
Currie	32	NEBMH001	173	5037	284	5321	202.7	10.7	2.58	27.4	543.9	19.8	591.1								
Subtotal (Section NETB-9)						7253	259.9	14.5	38.6	578.3	23.1	640.0	987.4	43864	87.8	2.32	203.6	2050.8	2254.4	11,416	

NET-B Ends at the Currie Major Pump Station

ECI

Arbutus	23	ECIMH041	173	30712	17617	48329	1069.2	96.8	2.28	220.5	321.2	39.5	581.2								
Subtotal (Section ECI-1)						48329	1069.2	96.8	2.28	220.5	321.2	39.5	581.2	1069.2	48329	96.8	2.28	220.5	360.8	581.2	12,505
Penryn	24	Penryn	173	2801	5483	8284	280.8	16.6	2.43	40.3	68.1	6.1	114.4								
Broom	30A01	Penryn	173	200	5374	5574	68.4	11.2	2.56	28.6	71.9	4.0	104.4								
Subtotal (Section ECI-2)						13858	349.2	27.7	4.99	68.9	140.0	10.0	218.8	1418.4	62187	124.5	2.18	271.2	510.7	781.9	16,256
Humber	25	Humber	173	419	141	560	56.2	1.1	3.16	3.5	90.0	4.6	98.1								
Subtotal (Section ECI-3)						560	56.2	1.1	3.16	3.5	90.0	4.6	98.1	1474.6	62747	125.6	2.17	273.2	605.3	878.5	16,571
Rutland	26	Rutland	173	766	0	766	78.4	1.5	3.10	4.8	90.0	1.9	96.7								
Subtotal (Section ECI-4)						766	78.4	1.5	3.10	4.8	90.0	1.9	96.7	1553.0	63513	127.2	2.17	275.9	697.2	973.2	17,007
Estevan	27	ECIMH029	173	1647	108	1755	72.7	3.5	2.90	10.2	78.6	3.2	92.0								
Dalhousie	28	ECIMH029	173	795	0	795	29.4	1.6	3.09	4.9	31.8	1.3	38.0								
Subtotal (Section ECI-5)						2551	102.1	5.1	15.1	110.4	4.5	130.0	1655.1	66064	132.3	2.15	285.0	812.1	1097.0	17,844	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	109928	220.1	1.97	432.9	2862.9	3295.7	29,260
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Richmond	34	ECIMH005	173	9913	1829	11742	227.6	23.5	2.31	54.3	631.8	15.1	701.1								
Subtotal (Section ECI-7)						11742	227.6	23.5	2.31	54.3	631.8	15.1	701.1	2870.1	121670	243.6	1.93	470.5	3509.7	3980.2	32,173
Harting/Hollywood	35	ECIMH001	173	388	0	388	67.5	0.8	3.22	2.5	187.4	4.5	194.3								
Subtotal (Section NETC-1)						388	67.5	0.8	3.22	2.5	187.4	4.5	194.3	2937.6	122058	244.4	1.93	471.8	3701.5	4173.3	32,502
Bushby	37	NECMH010	173	1393	8	1401	45.1	2.8	2.96	8.3	87.1	5.1	100.5								
Subtotal (Section NETC-2)						1401	45.1	2.8	2.96	8.3	87.1	5.1	100.5	2982.7	123459	247.2	1.93	476.2	3793.7	4270.0	32,919
Clover	38	NECMH003	173	48664	37715	86379	846.6	173.0	1.64	284.1	1634.4	96.2	2014.7								
Subtotal (Section NETC-3)						86379	846.6	173.0	1.64	284.1	1634.4	96.2	2014.7	3829.3	209838	420.2	1.76	738.4	5524.4	6262.7	51,144

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2045, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Trent	39A01	NEBMH066	173	1731	0	1731	40.6	3.5	2.91	10.1	143.6	2.3	155.9								
Subtotal (Section NETB-1)						1731	40.6	3.5	2.91	10.1	143.6	2.3	155.9	40.6	1731	3.5	2.91	10.1	145.8	155.9	457
Trent	39A02	NEBMH062	173	2660	1623	4283	58.8	8.6	2.65	22.7	207.9	3.3	233.9								
Trent	39A03	NEBMH059	173	581	124	705	12.4	1.4	3.11	4.4	43.8	0.7	48.9								
Subtotal (Section NETB-2)						4989	71.2	10.0	27.1	251.8	4.0	282.8	111.8	6720	13.5	3.12	42.0	401.6	443.6	1,596	
Trent	39C03	NEBMH054	173	2176	189	2365	39.7	4.7	2.82	13.4	103.7	1.0	118.1								
Subtotal (Section NETB-3)						2365	39.7	4.7	2.82	13.4	103.7	1.0	118.1	151.5	9085	18.2	3.00	54.5	506.3	560.8	2,159
Trent	39B01	NEBMH050	173	6282	448	6730	102.7	13.5	2.50	33.7	369.6	19.4	422.7								
Trent	39B02	NEBMH050	173	1992	126	2120	47.2	4.2	2.85	12.1	169.9	8.9	190.9								
Trent	39C02	NEBMH049	173	1113	0	1113	20.4	2.2	3.02	6.7	53.3	0.5	60.6								
Trent	39C04	NEBMH041	173	360	574	934	12.5	1.9	3.06	5.7	32.7	0.3	38.7								
Subtotal (Section NETB-4)						10898	162.8	21.8	58.2	625.4	29.2	712.8	334.3	19983	40.0	2.65	106.1	1160.9	1267.1	4,753	
Trent	39C01	NEBMH035	173	6390	940	7330	93.5	14.7	2.47	36.2	244.3	2.4	283.0								
Broom	30A02	NEBMH033	173	2414	392	2806	145.5	5.6	2.77	15.6	190.9	8.5	214.9								
Broom	30B01	NEBMH032	173	329	0	329	11.5	0.7	3.25	2.1	7.9	0.7	10.7								
Broom	30B02	NEBMH030	173	327	49	376	6.4	0.8	3.23	2.4	4.4	0.4	7.2								
Subtotal (Section NETB-5)						10841	256.9	21.7	56.4	447.4	11.9	515.7	591.2	30824	61.7	2.47	152.2	1620.3	1772.4	7,624	
Broom	30B03	NEBMH028	173	745	442	1187	20.8	2.4	3.00	7.1	14.2	1.2	22.6								
Broom	30B04	NEBMH027	173	0	528	528	5.5	1.1	3.17	3.4	3.8	0.3	7.4								
Broom	30B05	NEBMH026	173	231	118	349	8.5	0.7	3.24	2.3	5.8	0.5	8.6								
Broom	30B06	NEBMH026	173	242	4	246	4.1	0.5	3.29	1.6	2.8	0.2	4.7								
Broom	30B07	NEBMH025	173	84	0	84	2.4	0.2	3.41	0.6	1.6	0.1	2.4								
Subtotal (Section NETB-6)						2394	41.3	4.8	14.9	28.2	2.4	45.6	632.5	33218	66.5	2.43	161.9	1650.9	1812.8	8,198	
Broom	30B09	NEBMH024	173	2303	290	2593	65.2	5.2	2.80	14.5	44.6	3.8	62.9								
Broom	30B08	NEBMH022	173	130	0	130	4.2	0.3	3.37	0.9	2.9	0.2	4.0								
Broom	30B10	NEBMH020	173	44	9	53	3.5	0.1	3.45	0.4	2.4	0.2	3.0								
Broom	30B11	NEBMH020	173	69	0	69	2.1	0.1	3.43	0.5	1.4	0.1	2.0								
Windsor	31A	NEBMH017	173	122	0	122	4.6	0.2	3.38	0.8	3.1	0.3	4.2								
Subtotal (Section NETB-7)						2967	79.6	5.9	17.1	54.4	4.6	76.1	712.1	36185	72.5	2.40	173.7	1709.9	1883.7	9,020	
Esplanade	29	NEBMH014	173	358	68	426	15.4	0.9	3.21	2.7	20.2	0.9	23.8								
Subtotal (Section NETB-8)						426	15.4	0.9	3.21	2.7	20.2	0.9	23.8	727.5	36611	73.3	2.39	175.4	1731.0	1906.5	9,153
Windsor	31B	NEBMH003	173	1711	221	1932	57.2	3.9	2.88	11.1	39.1	3.3	53.6								
Currie	32	NEBMH001	173	5037	284	5321	202.7	10.7	2.58	27.4	652.1	19.8	699.3								
Subtotal (Section NETB-9)						7253	259.9	14.5	38.6	691.2	23.1	752.9	987.4	43864	87.8	2.32	203.6	2445.4	2648.9	11,416	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	173	30712	17617	48329	1069.2	96.8	2.28	220.5	392.9	39.5	652.9								
Subtotal (Section ECI-1)						48329	1069.2	96.8	2.28	220.5	392.9	39.5	652.9	1069.2	48329	96.8	2.28	220.5	432.4	652.9	12,505
Penryn	24	Penryn	173	2801	5483	8284	280.8	16.6	2.43	40.3	86.8	6.1	133.1								
Broom	30A01	Penryn	173	200	5374	5574	68.4	11.2	2.56	28.6	89.7	4.0	122.3								
Subtotal (Section ECI-2)						13858	349.2	27.7	4.99	68.9	176.5	10.0	255.4	1418.4	62187	124.5	2.18	271.2	618.9	890.1	16,256
Humber	25	Humber	173	419	141	560	56.2	1.1	3.16	3.5	90.0	4.6	98.1								
Subtotal (Section ECI-3)						560	56.2	1.1	3.16	3.5	90.0	4.6	98.1	1474.6	62747	125.6	2.17	273.2	713.5	986.7	16,571
Rutland	26	Rutland	173	766	0	766	78.4	1.5	3.10	4.8	90.0	1.9	96.7								
Subtotal (Section ECI-4)						766	78.4	1.5	3.10	4.8	90.0	1.9	96.7	1553.0	63513	127.2	2.17	275.9	805.4	1081.3	17,007
Estevan	27	ECIMH029	173	1647	108	1755	72.7	3.5	2.90	10.2	88.9	3.2	102.3								
Dalhousie	28	ECIMH029	173	795	0	795	29.4	1.6	3.09	4.9	36.0	1.3	42.2								
Subtotal (Section ECI-5)						2551	102.1	5.1	15.1	124.9	4.5	144.5	1655.1	66064	132.3	2.15	285.0	934.8	1219.8	17,844	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	109928	220.1	1.97	432.9	3380.1	3813.0	29,260
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Richmond	34	ECIMH005	173	9913	1829	11742	227.6	23.5	2.31	54.3	758.3	15.1	827.7								
Subtotal (Section ECI-7)						11742	227.6	23.5	2.31	54.3	758.3	15.1	827.7	2870.1	121670	243.6	1.93	470.5	4153.5	4624.1	32,173
Haring/Hollywood	35	ECIMH001	173	388	0	388	67.5	0.8	3.22	2.5	224.9	4.5	231.9								
Subtotal (Section ECI-8)						388	67.5	0.8	3.22	2.5	224.9	4.5	231.9	2937.6	122058	244.4	1.93	471.8	4382.9	4854.7	32,502
Bushby	37	NECMH010	173	1393	8	1401	45.1	2.8	2.96	8.3	102.5	5.1	115.9								
Subtotal (Section ECI-9)						1401	45.1	2.8	2.96	8.3	102.5	5.1	115.9	2982.7	123459	247.2	1.93	476.2	4490.5	4966.7	32,919
Clover	38	NECMH003	173	48664	37715	86379	846.6	173.0	1.64	284.1	1923.3	96.2	2303.7								
Subtotal (Section ECI-10)						86379	846.6	173.0	1.64	284.1	1923.3	96.2	2303.7	3829.3	209838	420.2	1.76	738.4	6510.0	7248.4	51,144

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 2-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	152	1765	0	1765	40.6	3.1	2.90	9.0	55.2	2.3	66.5								
Subtotal (Section NETB-1)						1765	40.6	3.1	2.90	9.0	55.2	2.3	66.5	40.6	1765	3.1	2.90	9.0	57.5	66.5	426
Trent	39A02	NEBMH062	152	2713	1655	4368	58.8	7.7	2.64	20.3	80.0	3.3	103.5								
Trent	39A03	NEBMH059	152	593	126	719	12.4	1.3	3.11	3.9	16.9	0.7	21.5								
Subtotal (Section NETB-2)						5088	71.2	9.0	24.2	96.8	4.0	125.0	111.8	6853	12.1	3.12	37.6	158.3	195.8	1,475	
Trent	39C03	NEBMH054	152	2219	193	2412	39.7	4.2	2.82	12.0	51.2	1.0	64.2								
Subtotal (Section NETB-3)						2412	39.7	4.2	2.82	12.0	51.2	1.0	64.2	151.5	9265	16.3	2.99	48.7	210.5	259.2	1,996
Trent	39B01	NEBMH050	152	6407	457	6864	102.7	12.1	2.49	30.1	215.3	19.4	264.8								
Trent	39B02	NEBMH050	152	2031	131	2162	47.2	3.8	2.85	10.8	98.9	8.9	118.7								
Trent	39C02	NEBMH049	152	1136	0	1136	20.4	2.0	3.01	6.0	26.3	0.5	32.8								
Trent	39C04	NEBMH041	152	368	586	954	12.5	1.7	3.05	5.1	16.1	0.3	21.6								
Subtotal (Section NETB-4)						11115	182.8	19.6	52.1	356.6	29.2	437.9	334.3	20381	35.9	2.64	94.8	596.3	691.1	4,394	
Trent	39C01	NEBMH035	152	6517	959	7476	93.5	13.2	2.46	32.4	120.5	2.4	155.4								
Broom	30A02	NEBMH033	152	2461	399	2861	145.5	5.0	2.77	13.9	76.3	8.5	98.7								
Broom	30B01	NEBMH032	152	336	0	336	11.5	0.6	3.25	1.9	5.0	0.7	7.6								
Broom	30B02	NEBMH030	152	334	50	384	6.4	0.7	3.22	2.2	2.8	0.4	5.3								
Subtotal (Section NETB-5)						11056	256.9	19.4	50.4	204.7	11.9	267.0	591.2	31436	55.3	2.46	135.9	812.9	948.8	7,070	
Broom	30B03	NEBMH028	152	760	451	1211	20.8	2.1	3.00	6.4	9.1	1.2	16.7								
Broom	30B04	NEBMH027	152	0	538	538	5.5	0.9	3.17	3.0	2.4	0.3	5.7								
Broom	30B05	NEBMH026	152	235	120	355	8.5	0.6	3.24	2.0	3.7	0.5	6.2								
Broom	30B06	NEBMH026	152	247	4	251	4.1	0.4	3.29	1.5	1.8	0.2	3.5								
Broom	30B07	NEBMH025	152	86	0	86	2.4	0.2	3.41	0.5	1.0	0.1	1.7								
Subtotal (Section NETB-6)						2441	41.3	4.3	13.4	18.1	2.4	33.8	632.5	33877	59.6	2.43	144.6	833.3	977.9	7,601	
Broom	30B09	NEBMH024	152	2348	296	2643	65.2	4.6	2.79	13.0	28.5	3.8	45.3								
Broom	30B08	NEBMH022	152	132	0	132	4.2	0.2	3.37	0.8	1.8	0.2	2.9								
Broom	30B10	NEBMH020	152	45	9	54	3.5	0.1	3.45	0.3	1.5	0.2	2.1								
Broom	30B11	NEBMH020	152	71	0	71	2.1	0.1	3.43	0.4	0.9	0.1	1.5								
Windsor	31A	NEBMH017	152	125	0	125	4.6	0.2	3.37	0.7	2.0	0.3	3.0								
Subtotal (Section NETB-7)						3025	79.6	5.3	15.3	34.8	4.6	54.7	712.1	36902	64.9	2.39	155.1	872.8	1027.9	8,369	
Esplanade	29	NEBMH014	152	365	69	434	15.4	0.8	3.20	2.4	8.1	0.9	11.4								
Subtotal (Section NETB-8)						434	15.4	0.8	3.20	2.4	8.1	0.9	11.4	727.5	37336	65.7	2.38	156.6	881.7	1038.4	8,495
Windsor	31B	NEBMH003	152	1744	225	1969	57.2	3.5	2.87	10.0	25.0	3.3	38.3								
Currie	32	NEBMH001	152	5135	289	5425	202.7	9.5	2.57	24.5	325.2	19.8	369.4								
Subtotal (Section NETB-9)						7394	259.9	13.0	34.5	350.2	23.1	407.7	987.4	44730	78.7	2.31	181.8	1255.0	1436.7	10,628	

NET-B Ends at the Currie Major Pump Station

ECI																					
Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Arbutus	23	ECIMH041	152	31360	17987	49347	1069.2	86.8	2.27	197.1	176.4	39.5	413.0								
Subtotal (Section ECI-1)						49347	1069.2	86.8	2.27	197.1	176.4	39.5	413.0	1069.2	49347	86.8	2.27	197.1	215.9	413.0	11,645
Penryn	24	Penryn	152	2860	5598	8458	280.8	14.9	2.42	36.0	30.3	6.1	72.4								
Broom	30A01	Penryn	152	204	5476	5680	68.4	10.0	2.55	25.5	35.9	4.0	65.4								
Subtotal (Section ECI-2)						14138	349.2	24.9	4.98	61.6	66.2	10.0	137.8	1418.4	63485	111.7	2.17	242.3	292.1	534.5	15,147
Humber	25	Humber	152	427	144	571	56.2	1.0	3.16	3.2	90.0	4.6	97.7								
Subtotal (Section ECI-3)						571	56.2	1.0	3.16	3.2	90.0	4.6	97.7	1474.6	64056	112.7	2.17	244.1	386.7	630.8	15,452
Rutland	26	Rutland	152	781	0	781	78.4	1.4	3.09	4.2	90.0	1.9	96.2								
Subtotal (Section ECI-4)						781	78.4	1.4	3.09	4.2	90.0	1.9	96.2	1553.0	64837	114.1	2.16	246.6	478.6	725.2	15,875
Estevan	27	ECIMH029	152	1679	110	1789	72.7	3.1	2.90	9.1	57.7	3.2	70.0								
Dalhousie	28	ECIMH029	152	811	0	811	29.4	1.4	3.09	4.4	23.3	1.3	29.0								
Subtotal (Section ECI-5)						2600	102.1	4.6	13.5	81.0	4.5	99.0	1655.1	67437	118.6	2.15	254.6	564.1	818.7	16,666	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	112166	197.3	1.96	386.7	1819.1	2205.7	27,292
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Richmond	34	ECIMH005	152	10110	1866	11976	227.6	21.1	2.30	48.5	375.9	15.1	439.4								
Subtotal (Section ECI-7)						11976	227.6	21.1	2.30	48.5	375.9	15.1	439.4	2870.1	124142	218.4	1.92	420.3	2210.0	2630.3	29,994
Harington/Hollywood	35	ECIMH001	152	395	0	395	67.5	0.7	3.22	2.2	111.5	4.5	118.2								
Subtotal (Section NETC-1)						395	67.5	0.7	3.22	2.2	111.5	4.5	118.2	2937.6	124537	219.1	1.92	421.4	2325.9	2747.4	30,316
Bushby	37	NECMH010	152	1421	8	1429	45.1	2.5	2.96	7.4	55.9	5.1	68.5								
Subtotal (Section NETC-2)						1429	45.1	2.5	2.96	7.4	55.9	5.1	68.5	2982.7	125966	221.6	1.92	425.4	2387.0	2812.4	30,708
Clover	38	NECMH003	152	49629	38469	88099	846.6	155.0	1.64	253.7	1050.1	96.2	1400.0								
Subtotal (Section NETC-3)						88099	846.6	155.0	1.64	253.7	1050.1	96.2	1400.0	3829.3	214065	376.6	1.75	659.6	3533.3	4192.9	47,380

NET/ECI Estimated Wastewater Flows
Year = 2065, 5-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	152	1765	0	1765	40.6	3.1	2.90	9.0	78.8	2.3	90.1								
Subtotal (Section NETB-1)						1765	40.6	3.1	2.90	9.0	78.8	2.3	90.1	40.6	1765	3.1	2.90	9.0	81.1	90.1	426
Trent	39A02	NEBMH062	152	2713	1655	4368	58.8	7.7	2.64	20.3	114.2	3.3	137.7								
Trent	39A03	NEBMH059	152	593	126	719	12.4	1.3	3.11	3.9	24.1	0.7	28.7								
Subtotal (Section NETB-2)						5088	71.2	9.0	24.2	138.2	4.0	166.4	111.8	6853	12.1	3.12	37.6	223.3	260.9	1,475	
Trent	39C03	NEBMH054	152	2219	193	2412	39.7	4.2	2.82	12.0	65.2	1.0	78.2								
Subtotal (Section NETB-3)						2412	39.7	4.2	2.82	12.0	65.2	1.0	78.2	151.5	9265	16.3	2.99	48.7	289.6	338.3	1,996
Trent	39B01	NEBMH050	152	6407	457	6864	102.7	12.1	2.49	30.1	256.7	19.4	306.2								
Trent	39B02	NEBMH050	152	2031	131	2162	47.2	3.8	2.85	10.8	118.0	8.9	137.7								
Trent	39C02	NEBMH049	152	1136	0	1136	20.4	2.0	3.01	6.0	33.5	0.5	40.1								
Trent	39C04	NEBMH041	152	368	586	954	12.5	1.7	3.05	5.1	20.5	0.3	26.0								
Subtotal (Section NETB-4)						11115	162.8	19.6	52.1	428.7	29.2	509.9	334.3	20381	35.9	2.64	94.8	747.5	842.3	4,394	
Trent	39C01	NEBMH035	152	6517	959	7476	93.5	13.2	2.46	32.4	153.6	2.4	188.4								
Broom	30A02	NEBMH033	152	2461	399	2861	145.5	5.0	2.77	13.9	106.9	8.5	129.3								
Broom	30B01	NEBMH032	152	336	0	336	11.5	0.6	3.25	1.9	5.8	0.7	8.4								
Broom	30B02	NEBMH030	152	334	50	384	6.4	0.7	3.22	2.2	3.2	0.4	5.8								
Subtotal (Section NETB-5)						11056	256.9	19.4	50.4	269.6	11.9	331.9	591.2	31436	55.3	2.46	135.9	1028.9	1164.8	7,070	
Broom	30B03	NEBMH028	152	760	451	1211	20.8	2.1	3.00	6.4	10.5	1.2	18.1								
Broom	30B04	NEBMH027	152	0	538	538	5.5	0.9	3.17	3.0	2.8	0.3	6.1								
Broom	30B05	NEBMH026	152	235	120	355	8.5	0.6	3.24	2.0	4.3	0.5	6.8								
Broom	30B06	NEBMH026	152	247	4	251	4.1	0.4	3.29	1.5	2.1	0.2	3.8								
Broom	30B07	NEBMH025	152	86	0	86	2.4	0.2	3.41	0.5	1.2	0.1	1.9								
Subtotal (Section NETB-6)						2441	41.3	4.3	13.4	20.8	2.4	36.6	632.5	33877	59.6	2.43	144.6	1052.1	1196.7	7,601	
Broom	30B09	NEBMH024	152	2348	296	2643	65.2	4.6	2.79	13.0	32.8	3.8	49.6								
Broom	30B08	NEBMH022	152	132	0	132	4.2	0.2	3.37	0.8	2.1	0.2	3.1								
Broom	30B10	NEBMH020	152	45	9	54	3.5	0.1	3.45	0.3	1.8	0.2	2.3								
Broom	30B11	NEBMH020	152	71	0	71	2.1	0.1	3.43	0.4	1.1	0.1	1.6								
Windsor	31A	NEBMH017	152	125	0	125	4.6	0.2	3.37	0.7	2.3	0.3	3.3								
Subtotal (Section NETB-7)						3025	79.6	5.3	15.3	40.1	4.6	60.0	712.1	36902	64.9	2.39	155.1	1096.8	1252.0	8,369	
Esplanade	29	NEBMH014	152	365	69	434	15.4	0.8	3.20	2.4	11.3	0.9	14.7								
Subtotal (Section NETB-8)						434	15.4	0.8	3.20	2.4	11.3	0.9	14.7	727.5	37336	65.7	2.38	156.6	1109.1	1265.7	8,495
Windsor	31B	NEBMH003	152	1744	225	1969	57.2	3.5	2.87	10.0	28.8	3.3	42.1								
Currie	32	NEBMH001	152	5135	289	5425	202.7	9.5	2.57	24.5	412.8	19.8	457.0								
Subtotal (Section NETB-9)						7394	259.9	13.0	34.5	441.6	23.1	499.1	987.4	44730	78.7	2.31	181.8	1573.7	1755.5	10,628	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	152	31360	17987	49347	1069.2	86.8	2.27	197.1	234.4	39.5	471.0								
Subtotal (Section ECI-1)						49347	1069.2	86.8	2.27	197.1	234.4	39.5	471.0	1069.2	49347	86.8	2.27	197.1	273.9	471.0	11,645
Penryhn	24	Penryhn	152	2860	5598	8458	280.8	14.9	2.42	36.0	45.4	6.1	87.5								
Broom	30A01	Penryhn	152	204	5476	5680	68.4	10.0	2.55	25.5	50.3	4.0	79.8								
Subtotal (Section ECI-2)						14138	349.2	24.9	4.98	61.6	95.7	10.0	167.3	1418.4	63485	111.7	2.17	242.3	379.7	622.0	15,147
Humber	25	Humber	152	427	144	571	56.2	1.0	3.16	3.2	90.0	4.6	97.7								
Subtotal (Section ECI-3)						571	56.2	1.0	3.16	3.2	90.0	4.6	97.7	1474.6	64056	112.7	2.17	244.1	474.2	718.4	15,452
Rutland	26	Rutland	152	781	0	781	78.4	1.4	3.09	4.2	90.0	1.9	96.2								
Subtotal (Section ECI-4)						781	78.4	1.4	3.09	4.2	90.0	1.9	96.2	1553.0	64837	114.1	2.16	246.6	566.1	812.7	15,875
Estevan	27	ECIMH029	152	1679	110	1789	72.7	3.1	2.90	9.1	66.1	3.2	78.4								
Dalhousie	28	ECIMH029	152	811	0	811	29.4	1.4	3.09	4.4	26.7	1.3	32.4								
Subtotal (Section ECI-5)						2600	102.1	4.6	13.5	92.8	4.5	110.8	1655.1	67437	118.6	2.15	254.6	663.4	918.0	16,666	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	112166	197.3	1.96	386.7	2237.1	2623.8	27,292
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Richmond	34	ECIMH005	152	10110	1866	11976	227.6	21.1	2.30	48.5	478.5	15.1	542.1								
Subtotal (Section ECI-7)						11976	227.6	21.1	2.30	48.5	478.5	15.1	542.1	2870.1	124142	218.4	1.92	420.3	2730.7	3151.0	29,994
Harting/Hollywood	35	ECIMH001	152	395	0	395	67.5	0.7	3.22	2.2	141.9	4.5	148.6								
Subtotal (Section NETC-1)						395	67.5	0.7	3.22	2.2	141.9	4.5	148.6	2937.6	124537	219.1	1.92	421.4	2877.1	3298.5	30,316
Bushby	37	NECMH010	152	1421	8	1429	45.1	2.5	2.96	7.4	68.4	5.1	81.0								
Subtotal (Section NETC-2)						1429	45.1	2.5	2.96	7.4	68.4	5.1	81.0	2982.7	125966	221.6	1.92	425.4	2950.6	3376.0	30,708
Clover	38	NECMH003	152	49629	38469	88099	846.6	155.0	1.64	253.7	1284.1	96.2	1634.0								
Subtotal (Section NETC-3)						88099	846.6	155.0	1.64	253.7	1284.1	96.2	1634.0	3829.3	214065	376.6	1.75	659.6	4330.9	4990.5	47,380

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 10-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RDI&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	152	1765	0	1765	40.6	3.1	2.90	9.0	94.5	2.3	105.8								
Subtotal (Section NETB-1)						1765	40.6	3.1	2.90	9.0	94.5	2.3	105.8	40.6	1765	3.1	2.90	9.0	96.8	105.8	426
Trent	39A02	NEBMH062	152	2713	1655	4368	58.8	7.7	2.64	20.3	136.9	3.3	160.4								
Trent	39A03	NEBMH059	152	593	126	719	12.4	1.3	3.11	3.9	28.9	0.7	33.5								
Subtotal (Section NETB-2)						5088	71.2	9.0	24.2	165.7	4.0	193.9	111.8	6853	12.1	3.12	37.6	266.5	304.0	1,475	
Trent	39C03	NEBMH054	152	2219	193	2412	39.7	4.2	2.82	12.0	74.5	1.0	87.5								
Subtotal (Section NETB-3)						2412	39.7	4.2	2.82	12.0	74.5	1.0	87.5	151.5	9265	16.3	2.99	48.7	342.1	390.8	1,996
Trent	39B01	NEBMH050	152	6407	457	6864	102.7	12.1	2.49	30.1	283.9	19.4	333.4								
Trent	39B02	NEBMH050	152	2031	131	2162	47.2	3.8	2.85	10.8	130.5	8.9	150.2								
Trent	39C02	NEBMH049	152	1136	0	1136	20.4	2.0	3.01	6.0	38.3	0.5	44.9								
Trent	39C04	NEBMH041	152	368	586	954	12.5	1.7	3.05	5.1	23.5	0.3	28.9								
Subtotal (Section NETB-4)						11115	182.8	19.6	52.1	476.2	29.2	557.4	334.3	20381	35.9	2.64	94.8	847.4	942.2	4,394	
Trent	39C01	NEBMH035	152	6517	959	7476	93.5	13.2	2.46	32.4	175.6	2.4	210.4								
Broom	30A02	NEBMH033	152	2461	399	2861	145.5	5.0	2.77	13.9	127.3	8.5	149.6								
Broom	30B01	NEBMH032	152	336	0	336	11.5	0.6	3.25	1.9	6.3	0.7	8.9								
Broom	30B02	NEBMH030	152	334	50	384	6.4	0.7	3.22	2.2	3.5	0.4	6.0								
Subtotal (Section NETB-5)						11056	256.9	19.4	50.4	312.6	11.9	374.9	591.2	31436	55.3	2.46	135.9	1171.9	1307.8	7,070	
Broom	30B03	NEBMH028	152	760	451	1211	20.8	2.1	3.00	6.4	11.3	1.2	18.9								
Broom	30B04	NEBMH027	152	0	538	538	5.5	0.9	3.17	3.0	3.0	0.3	6.3								
Broom	30B05	NEBMH026	152	235	120	355	8.5	0.6	3.24	2.0	4.6	0.5	7.2								
Broom	30B06	NEBMH026	152	247	4	251	4.1	0.4	3.29	1.5	2.2	0.2	3.9								
Broom	30B07	NEBMH025	152	86	0	86	2.4	0.2	3.41	0.5	1.3	0.1	2.0								
Subtotal (Section NETB-6)						2441	41.3	4.3	13.4	22.5	2.4	38.3	632.5	33877	59.6	2.43	144.6	1196.9	1341.4	7,601	
Broom	30B09	NEBMH024	152	2348	296	2643	65.2	4.6	2.79	13.0	35.6	3.8	52.3								
Broom	30B08	NEBMH022	152	132	0	132	4.2	0.2	3.37	0.8	2.3	0.2	3.3								
Broom	30B10	NEBMH020	152	45	9	54	3.5	0.1	3.45	0.3	1.9	0.2	2.4								
Broom	30B11	NEBMH020	152	71	0	71	2.1	0.1	3.43	0.4	1.1	0.1	1.7								
Windsor	31A	NEBMH017	152	125	0	125	4.6	0.2	3.37	0.7	2.5	0.3	3.5								
Subtotal (Section NETB-7)						3025	79.6	5.3	15.3	43.4	4.6	63.3	712.1	36902	64.9	2.39	155.1	1244.9	1400.1	8,369	
Esplanade	29	NEBMH014	152	365	69	434	15.4	0.8	3.20	2.4	13.5	0.9	16.8								
Subtotal (Section NETB-8)						434	15.4	0.8	3.20	2.4	13.5	0.9	16.8	727.5	37336	65.7	2.38	156.6	1259.3	1415.9	8,495
Windsor	31B	NEBMH003	152	1744	225	1969	57.2	3.5	2.87	10.0	31.2	3.3	44.5								
Currie	32	NEBMH001	152	5135	289	5425	202.7	9.5	2.57	24.5	470.7	19.8	515.0								
Subtotal (Section NETB-9)						7394	259.9	13.0	34.5	501.9	23.1	559.5	987.4	44730	78.7	2.31	181.8	1784.3	1966.1	10,628	

NET-B Ends at the Currie Major Pump Station

ECI

Arbutus	23	ECIMH041	152	31360	17987	49347	1069.2	86.8	2.27	197.1	272.7	39.5	509.3								
Subtotal (Section ECI-1)						49347	1069.2	86.8	2.27	197.1	272.7	39.5	509.3	1069.2	49347	86.8	2.27	197.1	312.3	509.3	11,645
Penryhn	24	Penryhn	152	2860	5598	8458	280.8	14.9	2.42	36.0	55.4	6.1	97.5								
Broom	30A01	Penryhn	152	204	5476	5680	68.4	10.0	2.55	25.5	59.8	4.0	89.3								
Subtotal (Section ECI-2)						14138	349.2	24.9	4.98	61.6	115.3	10.0	186.9	1418.4	63485	111.7	2.17	242.3	437.6	679.9	15,147
Humber	25	Humber	152	427	144	571	56.2	1.0	3.16	3.2	90.0	4.6	97.7								
Subtotal (Section ECI-3)						571	56.2	1.0	3.16	3.2	90.0	4.6	97.7	1474.6	64056	112.7	2.17	244.1	532.1	776.3	15,452
Rutland	26	Rutland	152	781	0	781	78.4	1.4	3.09	4.2	90.0	1.9	96.2								
Subtotal (Section ECI-4)						781	78.4	1.4	3.09	4.2	90.0	1.9	96.2	1553.0	64837	114.1	2.16	246.6	624.0	870.6	15,875
Estevan	27	ECIMH029	152	1679	110	1789	72.7	3.1	2.90	9.1	71.6	3.2	83.9								
Dalhousie	28	ECIMH029	152	811	0	811	29.4	1.4	3.09	4.4	28.9	1.3	34.6								
Subtotal (Section ECI-5)						2600	102.1	4.6	13.5	100.5	4.5	118.5	1655.1	67437	118.6	2.15	254.6	729.0	983.7	16,666	

Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	112166	197.3	1.96	386.7	2513.3	2900.0	27,292
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Richmond	34	ECIMH005	152	10110	1866	11976	227.6	21.1	2.30	48.5	546.0	15.1	609.5								
Subtotal (Section ECI-7)						11976	227.6	21.1	2.30	48.5	546.0	15.1	609.5	2870.1	124142	218.4	1.92	420.3	3074.4	3494.7	29,994
Harting/Hollywood	35	ECIMH001	152	395	0	395	67.5	0.7	3.22	2.2	161.9	4.5	168.6								
Subtotal (Section NETC-1)						395	67.5	0.7	3.22	2.2	161.9	4.5	168.6	2937.6	124537	219.1	1.92	421.4	3240.8	3662.2	30,316
Bushby	37	NECMH010	152	1421	8	1429	45.1	2.5	2.96	7.4	76.6	5.1	89.2								
Subtotal (Section NETC-2)						1429	45.1	2.5	2.96	7.4	76.6	5.1	89.2	2982.7	125966	221.6	1.92	425.4	3322.6	3748.0	30,708
Clover	38	NECMH003	152	49629	38469	88099	846.6	155.0	1.64	253.7	1438.8	96.2	1788.7								
Subtotal (Section NETC-3)						88099	846.6	155.0	1.64	253.7	1438.8	96.2	1788.7	3829.3	214065	376.6	1.75	659.6	4857.6	5517.2	47,380

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 25-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RD&I (L/s)	GW (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	152	1765	0	1765	40.6	3.1	2.90	9.0	114.3	2.3	125.5								
Subtotal (Section NETB-1)						1765	40.6	3.1	2.90	9.0	114.3	2.3	125.5	40.6	1765	3.1	2.90	9.0	116.5	125.5	426
Trent	39A02	NEBMH062	152	2713	1655	4368	58.8	7.7	2.64	20.3	165.5	3.3	189.0								
Trent	39A03	NEBMH059	152	593	126	719	12.4	1.3	3.11	3.9	34.9	0.7	39.5								
Subtotal (Section NETB-2)						5088	71.2	9.0	24.2	200.4	4.0	228.6	111.8	6853	12.1	3.12	37.6	320.9	358.4	1,475	
Trent	39C03	NEBMH054	152	2219	193	2412	39.7	4.2	2.82	12.0	86.3	1.0	99.3								
Subtotal (Section NETB-3)						2412	39.7	4.2	2.82	12.0	86.3	1.0	99.3	151.5	9265	16.3	2.99	48.7	408.2	456.9	1,996
Trent	39B01	NEBMH050	152	6407	457	6864	102.7	12.1	2.49	30.1	318.5	19.4	368.0								
Trent	39B02	NEBMH050	152	2031	131	2162	47.2	3.8	2.85	10.8	146.4	8.9	166.1								
Trent	39C02	NEBMH049	152	1136	0	1136	20.4	2.0	3.01	6.0	44.3	0.5	50.9								
Trent	39C04	NEBMH041	152	368	586	954	12.5	1.7	3.05	5.1	27.2	0.3	32.6								
Subtotal (Section NETB-4)						11115	182.8	19.6	52.1	536.4	29.2	617.7	334.3	20381	35.9	2.64	94.8	973.8	1068.6	4,394	
Trent	39C01	NEBMH035	152	6517	959	7476	93.5	13.2	2.46	32.4	203.2	2.4	238.1								
Broom	30A02	NEBMH033	152	2461	399	2861	145.5	5.0	2.77	13.9	152.9	8.5	175.2								
Broom	30B01	NEBMH032	152	336	0	336	11.5	0.6	3.25	1.9	6.9	0.7	9.5								
Broom	30B02	NEBMH030	152	334	50	384	6.4	0.7	3.22	2.2	3.8	0.4	6.4								
Subtotal (Section NETB-5)						11056	256.9	19.4	50.4	366.9	11.9	429.2	591.2	31436	55.3	2.46	135.9	1352.6	1488.5	7,070	
Broom	30B03	NEBMH028	152	760	451	1211	20.8	2.1	3.00	6.4	12.5	1.2	20.1								
Broom	30B04	NEBMH027	152	0	538	538	5.5	0.9	3.17	3.0	3.3	0.3	6.6								
Broom	30B05	NEBMH026	152	235	120	355	8.5	0.6	3.24	2.0	5.1	0.5	7.6								
Broom	30B06	NEBMH026	152	247	4	251	4.1	0.4	3.29	1.5	2.5	0.2	4.2								
Broom	30B07	NEBMH025	152	86	0	86	2.4	0.2	3.41	0.5	1.4	0.1	2.1								
Subtotal (Section NETB-6)						2441	41.3	4.3	13.4	24.8	2.4	40.6	632.5	33877	59.6	2.43	144.6	1379.8	1524.4	7,601	
Broom	30B09	NEBMH024	152	2348	296	2643	65.2	4.6	2.79	13.0	39.2	3.8	56.0								
Broom	30B08	NEBMH022	152	132	0	132	4.2	0.2	3.37	0.8	2.5	0.2	3.6								
Broom	30B10	NEBMH020	152	45	9	54	3.5	0.1	3.45	0.3	2.1	0.2	2.6								
Broom	30B11	NEBMH020	152	71	0	71	2.1	0.1	3.43	0.4	1.3	0.1	1.8								
Windsor	31A	NEBMH017	152	125	0	125	4.6	0.2	3.37	0.7	2.9	0.3	3.8								
Subtotal (Section NETB-7)						3025	79.6	5.3	15.3	47.9	4.6	67.7	712.1	36902	64.9	2.39	155.1	1432.3	1587.4	8,369	
Esplanade	29	NEBMH014	152	365	69	434	15.4	0.8	3.20	2.4	16.2	0.9	19.5								
Subtotal (Section NETB-8)						434	15.4	0.8	3.20	2.4	16.2	0.9	19.5	727.5	37336	65.7	2.38	156.6	1449.4	1606.0	8,495
Windsor	31B	NEBMH003	152	1744	225	1969	57.2	3.5	2.87	10.0	34.4	3.3	47.7								
Currie	32	NEBMH001	152	5135	289	5425	202.7	9.5	2.57	24.5	543.9	19.8	588.2								
Subtotal (Section NETB-9)						7394	259.9	13.0	34.5	578.3	23.1	635.9	987.4	44730	78.7	2.31	181.8	2050.8	2232.6	10,628	

NET-B Ends at the Currie Major Pump Station

ECI																					
Arbutus	23	ECIMH041	152	31360	17987	49347	1069.2	86.8	2.27	197.1	321.2	39.5	557.8								
Subtotal (Section ECI-1)						49347	1069.2	86.8	2.27	197.1	321.2	39.5	557.8	1069.2	49347	86.8	2.27	197.1	360.8	557.8	11,645
Penryhn	24	Penryhn	152	2860	5598	8458	280.8	14.9	2.42	36.0	68.1	6.1	110.2								
Broom	30A01	Penryhn	152	204	5476	5680	68.4	10.0	2.55	25.5	71.9	4.0	101.4								
Subtotal (Section ECI-2)						14138	349.2	24.9	4.98	61.6	140.0	10.0	211.5	1418.4	63485	111.7	2.17	242.3	510.7	753.1	15,147
Humber	25	Humber	152	427	144	571	56.2	1.0	3.16	3.2	90.0	4.6	97.7								
Subtotal (Section ECI-3)						571	56.2	1.0	3.16	3.2	90.0	4.6	97.7	1474.6	64056	112.7	2.17	244.1	605.3	849.4	15,452
Rutland	26	Rutland	152	781	0	781	78.4	1.4	3.09	4.2	90.0	1.9	96.2								
Subtotal (Section ECI-4)						781	78.4	1.4	3.09	4.2	90.0	1.9	96.2	1553.0	64837	114.1	2.16	246.6	697.2	943.8	15,875
Estevan	27	ECIMH029	152	1679	110	1789	72.7	3.1	2.90	9.1	78.6	3.2	90.9								
Dalhousie	28	ECIMH029	152	811	0	811	29.4	1.4	3.09	4.4	31.8	1.3	37.5								
Subtotal (Section ECI-5)						2600	102.1	4.6	13.5	110.4	4.5	128.4	1655.1	67437	118.6	2.15	254.6	812.1	1066.7	16,666	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream														2642.5	112166	197.3	1.96	386.7	2862.9	3249.5	27,292

Richmond	34	ECIMH005	152	10110	1866	11976	227.6	21.1	2.30	48.5	631.8	15.1	695.3								
Subtotal (Section ECI-7)						11976	227.6	21.1	2.30	48.5	631.8	15.1	695.3	2870.1	124142	218.4	1.92	420.3	3509.7	3930.0	29,994
Harting/Hollywood	35	ECIMH001	152	395	0	395	67.5	0.7	3.22	2.2	187.4	4.5	194.1								
Subtotal (Section NETC-1)						395	67.5	0.7	3.22	2.2	187.4	4.5	194.1	2937.6	124537	219.1	1.92	421.4	3701.5	4123.0	30,316
Bushby	37	NECMH010	152	1421	8	1429	45.1	2.5	2.96	7.4	87.1	5.1	99.6								
Subtotal (Section NETC-2)						1429	45.1	2.5	2.96	7.4	87.1	5.1	99.6	2982.7	125966	221.6	1.92	425.4	3793.7	4219.1	30,708
Clover	38	NECMH003	152	49629	38469	88099	846.6	155.0	1.64	253.7	1634.4	96.2	1984.3								
Subtotal (Section NETC-3)						88099	846.6	155.0	1.64	253.7	1634.4	96.2	1984.3	3829.3	214065	376.6	1.75	659.6	5524.4	6183.9	47,380

NET-C Ends at Clover Point Pump Station

NET/ECI Estimated Wastewater Flows
Year = 2065, 100-Year Storm

NET-Bowker (NET-B)

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	RFI&I (L/s)	RFI (L/s)	RFI (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Trent	39A01	NEBMH066	152	1765	0	1765	40.6	3.1	2.90	9.0	143.6	2.3	154.8									
Subtotal (Section NETB-1)						1765	40.6	3.1	2.90	9.0	143.6	2.3	154.8		40.6	1765	3.1	2.90	9.0	145.8	154.8	426
Trent	39A02	NEBMH062	152	2713	1655	4368	58.8	7.7	2.64	20.3	207.9	3.3	231.5									
Trent	39A03	NEBMH059	152	593	126	719	12.4	1.3	3.11	3.9	43.8	0.7	48.5									
Subtotal (Section NETB-2)						5088	71.2	9.0	24.2	251.8	4.0	280.0		111.8	6853	12.1	3.12	37.6	401.6	439.1	1,475	
Trent	39C03	NEBMH054	152	2219	193	2412	39.7	4.2	2.82	12.0	103.7	1.0	116.7									
Subtotal (Section NETB-3)						2412	39.7	4.2	2.82	12.0	103.7	1.0	116.7		151.5	9265	16.3	2.99	48.7	506.3	555.0	1,996
Trent	39B01	NEBMH050	152	6407	457	6864	102.7	12.1	2.49	30.1	369.6	19.4	419.1									
Trent	39B02	NEBMH050	152	2031	131	2162	47.2	3.8	2.85	10.8	169.9	8.9	189.6									
Trent	39C02	NEBMH049	152	1136	0	1136	20.4	2.0	3.01	6.0	63.3	0.5	69.8									
Trent	39C04	NEBMH041	152	368	586	954	12.5	1.7	3.05	5.1	32.7	0.3	38.1									
Subtotal (Section NETB-4)						11115	182.8	19.6	52.1	625.4	29.2	706.6		334.3	20381	35.9	2.64	94.8	1160.9	1255.7	4,394	
Trent	39C01	NEBMH035	152	6517	959	7476	93.5	13.2	2.46	32.4	244.3	2.4	279.1									
Broom	30A02	NEBMH033	152	2461	399	2861	145.5	5.0	2.77	13.9	190.9	8.5	213.2									
Broom	30B01	NEBMH032	152	336	0	336	11.5	0.6	3.25	1.9	7.9	0.7	10.4									
Broom	30B02	NEBMH030	152	334	50	384	6.4	0.7	3.22	2.2	4.4	0.4	6.9									
Subtotal (Section NETB-5)						11056	256.9	19.4	50.4	447.4	11.9	509.8		591.2	31436	55.3	2.46	135.9	1620.3	1756.2	7,070	
Broom	30B03	NEBMH028	152	760	451	1211	20.8	2.1	3.00	6.4	14.2	1.2	21.8									
Broom	30B04	NEBMH027	152	0	538	538	5.5	0.9	3.17	3.0	3.8	0.3	7.1									
Broom	30B05	NEBMH026	152	235	120	355	8.5	0.6	3.24	2.0	5.8	0.5	8.3									
Broom	30B06	NEBMH026	152	247	4	251	4.1	0.4	3.29	1.5	2.8	0.2	4.5									
Broom	30B07	NEBMH025	152	86	0	86	2.4	0.2	3.41	0.5	1.6	0.1	2.3									
Subtotal (Section NETB-6)						2441	41.3	4.3	13.4	28.2	2.4	44.0		632.5	33877	59.6	2.43	144.6	1650.9	1795.5	7,601	
Broom	30B09	NEBMH024	152	2348	296	2643	65.2	4.6	2.79	13.0	44.6	3.8	61.3									
Broom	30B08	NEBMH022	152	132	0	132	4.2	0.2	3.37	0.8	2.9	0.2	3.9									
Broom	30B10	NEBMH020	152	45	9	54	3.5	0.1	3.45	0.3	2.4	0.2	2.9									
Broom	30B11	NEBMH020	152	71	0	71	2.1	0.1	3.43	0.4	1.4	0.1	2.0									
Windsor	31A	NEBMH017	152	125	0	125	4.6	0.2	3.37	0.7	3.1	0.3	4.2									
Subtotal (Section NETB-7)						3025	79.6	5.3	15.3	54.4	4.6	74.3		712.1	36902	64.9	2.39	155.1	1709.9	1865.1	8,369	
Esplanade	29	NEBMH014	152	365	69	434	15.4	0.8	3.20	2.4	20.2	0.9	23.5									
Subtotal (Section NETB-8)						434	15.4	0.8	3.20	2.4	20.2	0.9	23.5		727.5	37336	65.7	2.38	156.6	1731.0	1887.7	8,495
Windsor	31B	NEBMH003	152	1744	225	1969	57.2	3.5	2.87	10.0	39.1	3.3	52.4									
Currie	32	NEBMH001	152	5135	289	5425	202.7	9.5	2.57	24.5	652.1	19.8	696.4									
Subtotal (Section NETB-9)						7394	259.9	13.0	34.5	691.2	23.1	748.8		987.4	44730	78.7	2.31	181.8	2445.4	2627.1	10,628	

NET-B Ends at the Currie Major Pump Station

ECI																						
Arbutus	23	ECIMH041	152	31360	17987	49347	1069.2	86.8	2.27	197.1	392.9	39.5	629.5									
Subtotal (Section ECI-1)						49347	1069.2	86.8	2.27	197.1	392.9	39.5	629.5		1069.2	49347	86.8	2.27	197.1	432.4	629.5	11,645
Penryhn	24	Penryhn	152	2860	5598	8458	280.8	14.9	2.42	36.0	86.8	6.1	128.9									
Broom	30A01	Penryhn	152	204	5476	5680	68.4	10.0	2.55	25.5	89.7	4.0	119.2									
Subtotal (Section ECI-2)						14138	349.2	24.9	4.98	61.6	176.5	10.0	248.1		1418.4	63485	111.7	2.17	242.3	618.9	861.3	15,147
Humber	25	Humber	152	427	144	571	56.2	1.0	3.16	3.2	90.0	4.6	97.7									
Subtotal (Section ECI-3)						571	56.2	1.0	3.16	3.2	90.0	4.6	97.7		1474.6	64056	112.7	2.17	244.1	713.5	957.6	15,452
Rutland	26	Rutland	152	781	0	781	78.4	1.4	3.09	4.2	90.0	1.9	96.2									
Subtotal (Section ECI-4)						781	78.4	1.4	3.09	4.2	90.0	1.9	96.2		1553.0	64837	114.1	2.16	246.6	805.4	1052.0	15,875
Estevan	27	ECIMH029	152	1679	110	1789	72.7	3.1	2.90	9.1	88.9	3.2	101.2									
Dalhousie	28	ECIMH029	152	811	0	811	29.4	1.4	3.09	4.4	36.0	1.3	41.6									
Subtotal (Section ECI-5)						2600	102.1	4.6	13.5	124.9	4.5	142.9		1655.1	67437	118.6	2.15	254.6	934.8	1189.4	16,666	
Subtotal (Currie Major at the junction of the NET-B and ECI) - Section ECI 6 is Downstream															2642.5	112166	197.3	1.96	386.7	3380.1	3766.8	27,292

Richmond	34	ECIMH005	152	10110	1866	11976	227.6	21.1	2.30	48.5	758.3	15.1	821.9									
Subtotal (Section ECI-7)						11976	227.6	21.1	2.30	48.5	758.3	15.1	821.9		2870.1	124142	218.4	1.92	420.3	4153.5	4573.8	29,994
Hartley/Hollywood	35	ECIMH001	152	395	0	395	67.5	0.7	3.22	2.2	224.9	4.5	231.6									
Subtotal (Section ECI-8)						395	67.5	0.7	3.22	2.2	224.9	4.5	231.6		2937.6	124537	219.1	1.92	421.4	4382.9	4804.3	30,316
Bushby	37	NECMH010	152	1421	8	1429	45.1	2.5	2.96	7.4	102.5	5.1	115.0									
Subtotal (Section ECI-9)						1429	45.1	2.5	2.96	7.4	102.5	5.1	115.0		2982.7	125966	221.6	1.92	425.4	4490.5	4915.9	30,708
Clover	38	NECMH003	152	49629	38469	88099	846.6	155.0	1.64	253.7	1923.3	96.2	2273.2									
Subtotal (Section ECI-10)						88099	846.6	155.0	1.64	253.7	1923.3	96.2	2273.2		3829.3	214065	376.6	1.75	659.6	6510.0		

Appendix H

NWT-W Design Flows using Fixture Reduction + Water Recycling Rates

NWT-W Estimated Wastewater Flows
Year = 2005, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	21.7	49.1									
Subtotal (Section NWT-W1)							3927	135.8	10.2	27.3	21.7	49.1	135.8	3927	10.2	2.67	27.3	21.7	49.1	1,022	
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	37.1	94.2									
Subtotal (Section NWT-W2)							9162	231.2	23.9	57.1	37.1	94.2	231.2	9162	23.9	2.39	57.1	37.1	94.2	2,297	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.04	3.52	0.13	0.02	0.1	367.2	13103	34.1	2.27	77.5	58.8	136.3	3,322
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.3	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	9.7	35.6									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.4	3.4									
Subtotal (Section NWT-W4)							4519	79.1	11.77	32.7	11.4	44.1	446.2	17622	45.9	2.17	99.4	70.2	169.6	4,419	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	45.0	56.5									
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	3.6	13.7									
Subtotal (Section NET-W5)							2804	91	7.3	21.6	48.6	70.2	537.2	20426	53.2	2.11	112.5	118.8	231.3	5,143	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	2.8	11.2									
Subtotal (Section NET-W6)							1063	19.8	2.8	8.4	2.8	11.2	557.0	21489	56.0	2.10	117.3	121.7	239.0	5,402	
View Royal	I/U/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	5.3	14.2									
Subtotal (Section NET-W7,8)							1129	22.3	2.9	8.9	5.3	14.2	579.3	22617	58.9	2.08	122.5	127.0	249.4	5,679	
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	47.2	81.4									
Subtotal (Section NETW-9)							5063	198.9	13.2	34.2	47.2	81.4	778.2	27680	72.1	2.01	144.8	174.2	319.0	7,020	
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	20.5	39.1									
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	6.0	10.7									
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	26.4	52.7									
Subtotal (Section NETW-10,11, Craigflower PS)							6873	222.8	17.9	8.64	49.5	102.4	1001.0	34554	90.0	1.93	174.0	227.1	401.1	8,794	
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	77.0	111.2									
Subtotal (Section NET-W12)							5075	97	13.2	34.2	77.0	111.2	1098.0	39629	103.2	1.89	194.8	304.1	498.9	10,034	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	75.0	107.6									
Subtotal (Section NET-W13)							4791	95	12.5	32.6	75.0	107.6	1193.0	44419	115.7	1.85	214.0	379.1	593.1	11,209	
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	50.0	61.1									
Subtotal (Section NET-W14)							1447	46	3.8	11.1	50.0	61.1	1239.0	45866	119.4	1.84	219.7	429.1	648.8	11,581	

NWT-W Estimated Wastewater Flows
Year = 2005, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	24.9	52.2									
Subtotal (Section NWT-W1)																					
						3927	135.8	10.2		27.3	24.9	52.2	135.8	3927	10.2	2.67	27.3	24.9	52.2	1,022	
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	42.5	99.6									
Subtotal (Section NWT-W2)																					
						9162	231.2	23.9		57.1	42.5	99.6	231.2	9162	23.9	2.39	57.1	42.5	99.6	2,297	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.02	0.2									
Subtotal (Section NWT-W3)																					
						14	0.2	0.04		0.13	0.02	0.2	367.2	13103	34.1	2.27	77.5	67.4	144.9	3,322	
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	10.5	36.5									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.5	3.5									
Subtotal (Section NWT-W4)																					
						4519	79.1	11.77		32.7	12.4	45.1	446.2	17622	45.9	2.17	99.4	79.8	179.2	4,419	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	59.0	70.5									
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	3.9	14.1									
Subtotal (Section NET-W5)																					
						2804	91	7.3		21.6	62.9	84.6	537.2	20426	53.2	2.11	112.5	142.7	255.2	5,143	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.1	11.5									
Subtotal (Section NET-W6)																					
						1063	19.8	2.8		8.4	3.1	11.5	557.0	21489	56.0	2.10	117.3	145.8	263.2	5,402	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	5.7	14.6									
Subtotal (Section NET-W7,8)																					
						1129	22.3	2.9		8.9	5.7	14.6	579.3	22817	58.9	2.08	122.5	151.5	274.0	5,679	
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	50.8	85.0									
Subtotal (Section NETW-9)																					
						5063	198.9	13.2		34.2	50.8	85.0	778.2	27680	72.1	2.01	144.8	202.4	347.2	7,020	
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	22.0	40.6									
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	6.5	11.1									
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	28.4	54.7									
Subtotal (Section NETW-10,11, Craigflower PS)																					
						6873	222.8	17.9	8.64	49.5	56.9	106.4	1001.0	34554	90.0	1.93	174.0	259.3	433.3	8,794	
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	92.0	126.2									
Subtotal (Section NET-W12)																					
						5075	97	13.2		34.2	92.0	126.2	1098.0	39629	103.2	1.89	194.8	351.3	546.1	10,034	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	90.0	122.6									
Subtotal (Section NET-W13)																					
						4791	95	12.5		32.6	90.0	122.6	1193.0	44419	115.7	1.85	214.0	441.3	655.3	11,209	
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	63.0	74.1									
Subtotal (Section NET-W14)																					
						1447	46	3.8		11.1	63.0	74.1	1239.0	45866	119.4	1.84	219.7	504.3	724.0	11,581	

NWT-W Estimated Wastewater Flows
Year = 2005, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	27.4	54.7									
Subtotal (Section NWT-W1)							3927	135.8	10.2	27.3	27.4	54.7	135.8	3927	10.2	2.67	27.3	27.4	54.7	1,022	
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	46.6	103.8									
Subtotal (Section NWT-W2)							9162	231.2	23.9	57.1	46.6	103.8	231.2	9162	23.9	2.39	57.1	46.6	103.8	2,297	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)							14	0.2	0.04	3.52	0.13	0.03	0.2	367.2	13103	34.1	2.27	77.5	74.0	151.5	3,322
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	11.4	37.4									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.6	3.6									
Subtotal (Section NWT-W4)							4519	79.1	11.77	32.7	13.4	46.1	446.2	17622	45.9	2.17	99.4	87.4	186.8	4,419	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	67.0	78.5									
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	4.3	14.4									
Subtotal (Section NET-W5)							2804	91	7.3	21.6	71.3	92.9	537.2	20426	53.2	2.11	112.5	158.7	271.2	5,143	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.4	11.7									
Subtotal (Section NET-W6)							1063	19.8	2.8	8.4	3.4	11.7	557.0	21489	56.0	2.10	117.3	162.0	279.4	5,402	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	6.0	14.9									
Subtotal (Section NET-W7,8)							1129	22.3	2.9	8.9	6.0	14.9	579.3	22617	58.9	2.08	122.5	168.1	290.5	5,679	
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	53.9	88.1									
Subtotal (Section NETW-9)							5063	198.9	13.2	34.2	53.9	88.1	778.2	27680	72.1	2.01	144.8	222.0	366.9	7,020	
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	23.4	42.0									
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	6.9	11.5									
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	30.2	56.4									
Subtotal (Section NETW-10,11, Craigflower PS)							6873	222.8	17.9	8.64	49.5	60.4	110.0	1001.0	34554	90.0	1.93	174.0	282.4	456.5	8,794
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	100.0	134.2									
Subtotal (Section NET-W12)							5075	97	13.2	34.2	100.0	134.2	1098.0	39629	103.2	1.89	194.8	382.4	577.3	10,034	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	98.0	130.6									
Subtotal (Section NET-W13)							4791	95	12.5	32.6	98.0	130.6	1193.0	44419	115.7	1.85	214.0	480.4	694.5	11,209	
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	71.0	82.1									
Subtotal (Section NET-W14)							1447	46	3.8	11.1	71.0	82.1	1239.0	45866	119.4	1.84	219.7	551.4	771.2	11,581	

NWT-W Estimated Wastewater Flows
Year = 2005, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	29.9	57.2									
Subtotal (Section NWT-W1)																					
						3927	135.8	10.2		27.3	29.9	57.2	135.8	3927	10.2	2.67	27.3	29.9	57.2	1,022	
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	50.9	108.0									
Subtotal (Section NWT-W2)																					
						9162	231.2	23.9		57.1	50.9	108.0	231.2	9162	23.9	2.39	57.1	50.9	108.0	2,297	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)																					
						14	0.2	0.04		0.13	0.03	0.2	367.2	13103	34.1	2.27	77.5	80.8	158.3	3,322	
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	11.8	37.8									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.7	3.7									
Subtotal (Section NWT-W4)																					
						4519	79.1	11.77		32.7	13.9	46.6	446.2	17622	45.9	2.17	99.4	94.7	194.1	4,419	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	77.0	88.5									
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	4.4	14.5									
Subtotal (Section NET-W5)																					
						2804	91	7.3		21.6	81.4	103.0	537.2	20426	53.2	2.11	112.5	176.1	288.6	5,143	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.5	11.9									
Subtotal (Section NET-W6)																					
						1063	19.8	2.8		8.4	3.5	11.9	557.0	21489	56.0	2.10	117.3	179.6	297.0	5,402	
View Royal	I/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	6.4	15.3									
Subtotal (Section NET-W7,8)																					
						1129	22.3	2.9		8.9	6.4	15.3	579.3	22617	58.9	2.08	122.5	186.0	308.5	5,679	
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	57.1	91.3									
Subtotal (Section NETW-9)																					
						5063	198.9	13.2		34.2	57.1	91.3	778.2	27680	72.1	2.01	144.8	243.1	387.9	7,020	
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	24.7	43.3									
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	7.3	11.9									
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	31.9	58.2									
Subtotal (Section NETW-10,11, Craigflower PS)																					
						6873	222.8	17.9	8.64	49.5	63.9	113.5	1001.0	34554	90.0	1.93	174.0	307.0	481.0	8,794	
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	119.0	153.2									
Subtotal (Section NET-W12)																					
						5075	97	13.2		34.2	119.0	153.2	1098.0	39629	103.2	1.89	194.8	426.0	620.9	10,034	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	116.0	148.6									
Subtotal (Section NET-W13)																					
						4791	95	12.5		32.6	116.0	148.6	1193.0	44419	115.7	1.85	214.0	542.0	756.1	11,209	
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	81.0	92.1									
Subtotal (Section NET-W14)																					
						1447	46	3.8		11.1	81.0	92.1	1239.0	45866	119.4	1.84	219.7	623.0	842.8	11,581	

NWT-W Estimated Wastewater Flows
Year = 2005, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	225	2564	1363	3927	135.8	10.2	2.67	27.3	33.4	60.7									
Subtotal (Section NWT-W1)							3927	135.8	10.2	27.3	33.4	60.7	135.8	3927	10.2	2.67	27.3	33.4	60.7	1,022	
Langford	Langford North	15-S135-3-SMH6	225	5983	3179	9162	231.2	23.9	2.39	57.1	57.0	114.1									
Subtotal (Section NWT-W2)							9162	231.2	23.9	57.1	57.0	114.1	231.2	9162	23.9	2.39	57.1	57.0	114.1	2,297	
Colwood	Royal Colwood GC	15-S138-4-SMH6	225	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)							14	0.2	0.04	3.52	0.13	0.03	0.2	367.2	13103	34.1	2.27	77.5	90.4	167.9	3,322
Colwood	Royal Roads	15-S132-1-Wye	225	462	114	576	2.3	1.5	3.15	4.7	0.4	5.2									
Colwood	600mm connection	15-S132-1-Wye	225	3169	538	3707	67.3	9.7	2.69	26.0	12.7	38.7									
Colwood	250mm connection	15-S132-1-SCO5	225	15	221	236	9.5	0.6	3.30	2.0	1.8	3.8									
Subtotal (Section NWT-W4)							4519	79.1	11.77	32.7	14.9	47.6	446.2	17622	45.9	2.17	99.4	105.3	204.7	4,419	
Colwood	DND Belmont	15-S132-1-SCO4	225	1501	0	1501	65.8	3.9	2.94	11.5	92.0	103.5									
Colwood	Colwood Corners	various	225	123	1180	1303	25.2	3.4	2.98	10.1	4.8	14.9									
Subtotal (Section NET-W5)							2804	91	7.3	21.6	96.8	118.4	537.2	20426	53.2	2.11	112.5	202.1	314.5	5,143	
Colwood	Colwood Corners	15-S117-1-SMH6	225	119	944	1063	19.8	2.8	3.03	8.4	3.7	12.1									
Subtotal (Section NET-W6)							1063	19.8	2.8	8.4	3.7	12.1	557.0	21489	56.0	2.10	117.3	205.8	323.1	5,402	
View Royal	I/U/S of Parsons	15-S117-1-SMH1	225	124	1005	1129	22.3	2.9	3.01	8.9	7.0	15.8									
Subtotal (Section NET-W7,8)							1129	22.3	2.9	8.9	7.0	15.8	579.3	22817	58.9	2.08	122.5	212.8	335.2	5,679	
View Royal	View Royal PS	15-S113-1-SMH3	225	3232	1831	5063	198.9	13.2	2.59	34.2	62.0	96.2									
Subtotal (Section NETW-9)							5063	198.9	13.2	34.2	62.0	96.2	778.2	27680	72.1	2.01	144.8	274.8	419.6	7,020	
View Royal	Hospital Trunk	Craigflower PS	225	1605	944	2549	86.2	6.6	2.80	18.6	26.9	45.5									
View Royal	Southern	Craigflower PS	225	291	275	566	25.4	1.5	3.16	4.7	7.9	12.6									
View Royal	Shoreline Trunk	Craigflower PS	225	3121	638	3759	111.2	9.8	2.69	26.3	34.7	61.0									
Subtotal (Section NETW-10,11, Craigflower PS)							6873	222.8	17.9	8.64	49.5	69.5	119.0	1001.0	34554	90.0	1.93	174.0	344.2	518.2	8,794
Esquimalt	Lang Cove	Lang Cove PS	225	3925	1150	5075	97	13.2	2.59	34.2	139.0	173.2									
Subtotal (Section NET-W12)							5075	97	13.2	34.2	139.0	173.2	1098.0	39629	103.2	1.89	194.8	483.2	678.0	10,034	
Esquimalt	Dockyards/Grafton	Lyall/Constance	225	1566	3225	4791	95	12.5	2.61	32.6	136.0	168.6									
Subtotal (Section NET-W13)							4791	95	12.5	32.6	136.0	168.6	1193.0	44419	115.7	1.85	214.0	619.2	833.2	11,209	
Esquimalt	Kinver	Kinver Connection	225	1447	0	1447	46	3.8	2.95	11.1	95.0	106.1									
Subtotal (Section NET-W14)							1447	46	3.8	11.1	95.0	106.1	1239.0	45866	119.4	1.84	219.7	714.2	934.0	11,581	

NWT-W Estimated Wastewater Flows
Year = 2015, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	223	7143	3796	10939	395.0	28.2	2.33	65.9	59.0	124.8									
Subtotal (Section NWT-W1)							10939	395.0	28.2		65.9	59.0	124.8	395.0	10939	28.2	2.33	65.9	59.0	124.8	2,842
Langford	Langford North	15-S135-3-SMH6	223	17845	9483	27328	630.0	70.5	2.01	142.0	94.4	236.4									
Subtotal (Section NWT-W2)							27328	630.0	70.5		142.0	94.4	236.4	630.0	27328	70.5	2.01	142.0	94.4	236.4	6,735
Colwood	Royal Colwood GC	15-S138-4-SMH6	223	0	14	14	0.15	0.04	3.52	0.13	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.15	0.04		0.13	0.02	0.1	1025.2	38281	98.8	1.90	187.7	153.4	341.1	9,580
Colwood	Royal Roads	15-S132-1-Wye	223	462	114	576	2.3	1.5	3.15	4.7	0.3	5.0									
Colwood	600mm connection	15-S132-1-Wye	223	7559	677	8236	138.0	21.3	2.43	51.7	19.8	71.5									
Colwood	250mm connection	15-S132-1-SCO5	223	15	221	236	9.5	0.6	3.30	2.0	1.4	3.4									
Subtotal (Section NWT-W4)							9048	149.8	23.35		58.4	21.5	79.9	1174.9	47329	122.2	1.83	223.5	174.9	398.4	11,750
Colwood	DND Belmont	15-S132-1-SCO4	223	1501	0	1501	65.8	3.9	2.94	11.4	45.0	56.4									
Colwood	Colwood Corners	various	223	123	4402	4525	61	11.7	2.63	30.7	8.8	39.5									
Subtotal (Section NET-W5)							6026	126.8	15.6		42.1	53.8	95.9	1301.7	53355	137.7	1.79	246.6	228.7	475.3	13,223
Colwood	Colwood Corners	15-S117-1-SMH6	223	119	1709	1828	28.3	4.7	2.89	13.6	4.1	17.7									
Subtotal (Section NET-W6)							1828	28.3	4.7		13.6	4.1	17.7	1330.0	55183	142.4	1.78	253.5	232.7	486.3	13,660
View Royal	I/S of Parsons	15-S117-1-SMH1	223	141	1005	1146	22.3	3.0	3.01	8.9	5.3	14.2									
Subtotal (Section NET-W7,8)							1146	22.3	3.0		8.9	5.3	14.2	1352.3	56329	145.4	1.77	257.8	238.0	495.9	13,938
View Royal	View Royal PS	15-S113-1-SMH3	223	4140	1831	5971	211.9	15.4	2.54	39.1	49.1	88.2									
Subtotal (Section NETW-9)							5971	211.9	15.4		39.1	49.1	88.2	1564.2	62300	160.8	1.74	280.1	287.1	567.2	15,485
View Royal	Hospital Trunk	Craigflower PS	223	1832	944	2776	86.2	7.2	2.78	19.9	20.5	40.4									
View Royal	Southern	Craigflower PS	223	332	275	607	25.4	1.6	3.14	4.9	6.0	11.0									
View Royal	Shoreline Trunk	Craigflower PS	223	3563	638	4201	111.2	10.8	2.65	28.7	26.4	55.2									
Subtotal (Section NETW-10,11, Craigflower PS)							7585	222.8	19.6	8.57	53.6	52.9	106.5	1787.0	69885	180.4	1.71	307.7	340.0	647.8	17,403
Esquimalt	Lang Cove	Lang Cove PS	223	4126	1275	5401	97	13.9	2.57	35.8	77.0	112.8									
Subtotal (Section NET-W12)							5401	97	13.9		35.8	77.0	112.8	1884.0	75285	194.3	1.68	327.1	417.0	744.2	18,707
Esquimalt	Dockyards/Grafton	Lyall/Constance	223	1728	3600	5328	95	13.8	2.58	35.4	75.0	110.4									
Subtotal (Section NET-W13)							5328	95	13.8		35.4	75.0	110.4	1979.0	80613	208.1	1.66	346.0	492.0	838.0	19,991
Esquimalt	Kinver	Kinver Connection	223	1500	0	1500	46	3.9	2.94	11.4	50.0	61.4									
Subtotal (Section NET-W14)							1500	46	3.9		11.4	50.0	61.4	2025.0	82113	211.9	1.66	351.3	542.0	893.3	20,373

NWT-W Estimated Wastewater Flows
Year = 2015, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	223	7143	3796	10939	395.0	28.2	2.33	65.9	65.5	131.3									
Subtotal (Section NWT-W1)							10939	395.0	28.2		65.9	65.5	131.3	395.0	10939	28.2	2.33	65.9	65.5	131.3	2,842
Langford	Langford North	15-S135-3-SMH6	223	17845	9483	27328	630.0	70.5	2.01	142.0	104.9	247.0									
Subtotal (Section NWT-W2)							27328	630.0	70.5		142.0	104.9	247.0	630.0	27328	70.5	2.01	142.0	104.9	247.0	6,735
Colwood	Royal Colwood GC	15-S138-4-SMH6	223	0	14	14	0.15	0.04	3.52	0.13	0.02	0.2									
Subtotal (Section NWT-W3)							14	0.15	0.04		0.13	0.02	0.2	1025.2	38281	98.8	1.90	187.7	170.4	358.1	9,580
Colwood	Royal Roads	15-S132-1-Wye	223	462	114	576	2.3	1.5	3.15	4.7	0.4	5.0									
Colwood	600mm connection	15-S132-1-Wye	223	7559	677	8236	138.0	21.3	2.43	51.7	21.6	73.3									
Colwood	250mm connection	15-S132-1-SCO5	223	15	221	236	9.5	0.6	3.30	2.0	1.5	3.5									
Subtotal (Section NWT-W4)							9048	149.8	23.4		58.4	23.4	81.8	1174.9	47329	122.2	1.83	223.5	193.9	417.3	11,750
Colwood	DND Belmont	15-S132-1-SCO4	223	1501	0	1501	65.8	3.9	2.94	11.4	59.0	70.4									
Colwood	Colwood Corners	various	223	123	4402	4525	61	11.7	2.63	30.7	9.5	40.2									
Subtotal (Section NET-W5)							6026	126.8	15.6		42.1	68.5	110.6	1301.7	53355	137.7	1.79	246.6	262.4	509.0	13,223
Colwood	Colwood Corners	15-S117-1-SMH6	223	119	1709	1828	28.3	4.7	2.89	13.6	4.4	18.1									
Subtotal (Section NET-W6)							1828	28.3	4.7		13.6	4.4	18.1	1330.0	55183	142.4	1.78	253.5	266.8	520.4	13,660
View Royal	I/S of Parsons	15-S117-1-SMH1	223	141	1005	1146	22.3	3.0	3.01	8.9	5.7	14.6									
Subtotal (Section NET-W7,8)							1146	22.3	3.0		8.9	5.7	14.6	1352.3	56329	145.4	1.77	257.8	272.5	530.4	13,938
View Royal	View Royal PS	15-S113-1-SMH3	223	4140	1831	5971	211.9	15.4	2.54	39.1	52.8	92.0									
Subtotal (Section NETW-9)							5971	211.9	15.4		39.1	52.8	92.0	1564.2	62300	160.8	1.74	280.1	325.4	605.4	15,485
View Royal	Hospital Trunk	Craigflower PS	223	1832	944	2776	86.2	7.2	2.78	19.9	22.0	41.9									
View Royal	Southern	Craigflower PS	223	332	275	607	25.4	1.6	3.14	4.9	6.5	11.4									
View Royal	Shoreline Trunk	Craigflower PS	223	3563	638	4201	111.2	10.8	2.65	28.7	28.4	57.2									
Subtotal (Section NETW-10,11, Craigflower PS)							7585	222.8	19.6	8.57	53.6	56.9	110.5	1787.0	69885	180.4	1.71	307.7	382.3	690.0	17,403
Esquimalt	Lang Cove	Lang Cove PS	223	4126	1275	5401	97	13.9	2.57	35.8	92.0	127.8									
Subtotal (Section NET-W12)							5401	97	13.9		35.8	92.0	127.8	1884.0	75285	194.3	1.68	327.1	474.3	801.4	18,707
Esquimalt	Dockyards/Grafton	Lyall/Constance	223	1728	3600	5328	95	13.8	2.58	35.4	90.0	125.4									
Subtotal (Section NET-W13)							5328	95	13.8		35.4	90.0	125.4	1979.0	80613	208.1	1.66	346.0	564.3	910.3	19,991
Esquimalt	Kinver	Kinver Connection	223	1500	0	1500	46	3.9	2.94	11.4	63.0	74.4									
Subtotal (Section NET-W14)							1500	46	3.9		11.4	63.0	74.4	2025.0	82113	211.9	1.66	351.3	627.3	978.6	20,373

NWT-W Estimated Wastewater Flows
Year = 2015, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	223	7143	3796	10939	395.0	28.2	2.33	65.9	71.2	137.1								
Subtotal (Section NWT-W1)				17845	9483	10939	395.0	28.2		65.9	71.2	137.1	395.0	10939	28.2	2.33	65.9	71.2	137.1	2,842
Langford	Langford North	15-S135-3-SMH6	223	17845	9483	27328	630.0	70.5	2.01	142.0	114.2	256.2								
Subtotal (Section NWT-W2)						27328	630.0	70.5		142.0	114.2	256.2	630.0	27328	70.5	2.01	142.0	114.2	256.2	6,735
Colwood	Royal Colwood GC	15-S138-4-SMH6	223	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.15	0.04		0.13	0.03	0.2	1025.2	38281	98.8	1.90	187.7	185.4	373.1	9,580
Colwood	Royal Roads	15-S132-1-Wye	223	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	223	7559	677	8236	138.0	21.3	2.43	51.7	23.4	75.0								
Colwood	250mm connection	15-S132-1-SCO5	223	15	221	236	9.5	0.6	3.30	2.0	1.6	3.6								
Subtotal (Section NWT-W4)						9048	149.8	23.4		58.4	25.4	83.7	1174.9	47329	122.2	1.83	223.5	210.8	434.3	11,750
Colwood	DND Belmont	15-S132-1-SCO4	223	1501	0	1501	65.8	3.9	2.94	11.4	67.0	78.4								
Colwood	Colwood Corners	various	223	123	4402	4525	61	11.7	2.63	30.7	10.3	41.0								
Subtotal (Section NET-W5)						6026	126.8	15.6		42.1	77.3	119.4	1301.7	53355	137.7	1.79	246.6	288.1	534.7	13,223
Colwood	Colwood Corners	15-S117-1-SMH6	223	119	1709	1828	28.3	4.7	2.89	13.6	4.8	18.4								
Subtotal (Section NET-W6)						1828	28.3	4.7		13.6	4.8	18.4	1330.0	55183	142.4	1.78	253.5	292.9	546.5	13,660
View Royal	I/S of Parsons	15-S117-1-SMH1	223	141	1005	1146	22.3	3.0	3.01	8.9	6.0	15.0								
Subtotal (Section NET-W7,8)						1146	22.3	3.0		8.9	6.0	15.0	1352.3	56329	145.4	1.77	257.8	299.0	556.8	13,938
View Royal	View Royal PS	15-S113-1-SMH3	223	4140	1831	5971	211.9	15.4	2.54	39.1	56.1	95.3								
Subtotal (Section NETW-9)						5971	211.9	15.4		39.1	56.1	95.3	1564.2	62300	160.8	1.74	280.1	355.1	635.2	15,485
View Royal	Hospital Trunk	Craigflower PS	223	1832	944	2776	86.2	7.2	2.78	19.9	23.4	43.3								
View Royal	Southern	Craigflower PS	223	332	607	25.4	1.6	3.14	4.9	6.9	11.8									
View Royal	Shoreline Trunk	Craigflower PS	223	3563	638	4201	111.2	10.8	2.65	28.7	30.2	58.9								
Subtotal (Section NETW-10,11, Craigflower PS)						7585	222.8	19.6	8.57	53.6	60.4	114.0	1787.0	69885	180.4	1.71	307.7	415.5	723.3	17,403
Esquimalt	Lang Cove	Lang Cove PS	223	4126	1275	5401	97	13.9	2.57	35.8	100.0	135.8								
Subtotal (Section NET-W12)						5401	97	13.9		35.8	100.0	135.8	1884.0	75285	194.3	1.68	327.1	515.5	842.7	18,707
Esquimalt	Dockyards/Grafton	Lyall/Constance	223	1728	3600	5328	95	13.8	2.58	35.4	98.0	133.4								
Subtotal (Section NET-W13)						5328	95	13.8		35.4	98.0	133.4	1979.0	80613	208.1	1.66	346.0	613.5	959.6	19,991
Esquimalt	Kinver	Kinver Connection	223	1500	0	1500	46	3.9	2.94	11.4	71.0	82.4								
Subtotal (Section NET-W14)						1500	46	3.9		11.4	71.0	82.4	2025.0	82113	211.9	1.66	351.3	684.5	1035.8	20,373

NWT-W Estimated Wastewater Flows
Year = 2015, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	223	7143	3796	10939	395.0	28.2	2.33	65.9	75.4	141.3								
Subtotal (Section NWT-W1)				17845	9483	10939	395.0	28.2		65.9	75.4	141.3	395.0	10939	28.2	2.33	65.9	75.4	141.3	2,842
Langford	Langford North	15-S135-3-SMH6	223	17845	9483	27328	630.0	70.5	2.01	142.0	121.0	263.1								
Subtotal (Section NWT-W2)						27328	630.0	70.5		142.0	121.0	263.1	630.0	27328	70.5	2.01	142.0	121.0	263.1	6,735
Colwood	Royal Colwood GC	15-S138-4-SMH6	223	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2								
Subtotal (Section NWT-W3)						14	0.15	0.04		0.13	0.03	0.2	1025.2	38281	98.8	1.90	187.7	196.5	384.1	9,580
Colwood	Royal Roads	15-S132-1-Wye	223	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1								
Colwood	600mm connection	15-S132-1-Wye	223	7559	677	8236	138.0	21.3	2.43	51.7	24.3	75.9								
Colwood	250mm connection	15-S132-1-SCO5	223	15	221	236	9.5	0.6	3.30	2.0	1.7	3.7								
Subtotal (Section NWT-W4)						9048	149.8	23.4		58.4	26.3	84.7	1174.9	47329	122.2	1.83	223.5	222.8	446.3	11,750
Colwood	DND Belmont	15-S132-1-SCO4	223	1501	0	1501	65.8	3.9	2.94	11.4	77.0	88.4								
Colwood	Colwood Corners	various	223	123	4402	4525	61	11.7	2.63	30.7	10.7	41.4								
Subtotal (Section NET-W5)						6026	126.8	15.6		42.1	87.7	129.8	1301.7	53355	137.7	1.79	246.6	310.5	557.1	13,223
Colwood	Colwood Corners	15-S117-1-SMH6	223	119	1709	1828	28.3	4.7	2.89	13.6	5.0	18.6								
Subtotal (Section NET-W6)						1828	28.3	4.7		13.6	5.0	18.6	1330.0	55183	142.4	1.78	253.5	315.5	569.0	13,660
View Royal	I/S of Parsons	15-S117-1-SMH1	223	141	1005	1146	22.3	3.0	3.01	8.9	6.4	15.3								
Subtotal (Section NET-W7,8)						1146	22.3	3.0		8.9	6.4	15.3	1352.3	56329	145.4	1.77	257.8	321.9	579.7	13,938
View Royal	View Royal PS	15-S113-1-SMH3	223	4140	1831	5971	211.9	15.4	2.54	39.1	59.4	98.5								
Subtotal (Section NETW-9)						5971	211.9	15.4		39.1	59.4	98.5	1564.2	62300	160.8	1.74	280.1	381.2	661.3	15,485
View Royal	Hospital Trunk	Craigflower PS	223	1832	944	2776	86.2	7.2	2.78	19.9	24.7	44.6								
View Royal	Southern	Craigflower PS	223	332	607	939	25.4	1.6	3.14	4.9	7.3	12.2								
View Royal	Shoreline Trunk	Craigflower PS	223	3563	638	4201	111.2	10.8	2.65	28.7	31.9	60.7								
Subtotal (Section NETW-10,11, Craigflower PS)						7585	222.8	19.6	8.57	53.6	63.9	117.5	1787.0	69885	180.4	1.71	307.7	445.2	752.9	17,403
Esquimalt	Lang Cove	Lang Cove PS	223	4126	1275	5401	97	13.9	2.57	35.8	119.0	154.8								
Subtotal (Section NET-W12)						5401	97	13.9		35.8	119.0	154.8	1884.0	75285	194.3	1.68	327.1	564.2	891.3	18,707
Esquimalt	Dockyards/Grafton	Lyall/Constance	223	1728	3600	5328	95	13.8	2.58	35.4	116.0	151.4								
Subtotal (Section NET-W13)						5328	95	13.8		35.4	116.0	151.4	1979.0	80613	208.1	1.66	346.0	680.2	1026.2	19,991
Esquimalt	Kinver	Kinver Connection	223	1500	0	1500	46	3.9	2.94	11.4	81.0	92.4								
Subtotal (Section NET-W14)						1500	46	3.9		11.4	81.0	92.4	2025.0	82113	211.9	1.66	351.3	761.2	1112.5	20,373

NWT-W Estimated Wastewater Flows
Year = 2015, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	223	7143	3796	10939	395.0	28.2	2.33	65.9	82.3	148.2									
Subtotal (Section NWT-W1)				17845	9483	10939	395.0	28.2		65.9	82.3	148.2	395.0	10939	28.2	2.33	65.9	82.3	148.2	2,842	
Langford	Langford North	15-S135-3-SMH6	223	17845	9483	27328	630.0	70.5	2.01	142.0	132.2	274.2									
Subtotal (Section NWT-W2)						27328	630.0	70.5		142.0	132.2	274.2	630.0	27328	70.5	2.01	142.0	132.2	274.2	6,735	
Colwood	Royal Colwood GC	15-S138-4-SMH6	223	0	14	14	0.15	0.04	3.52	0.13	0.03	0.2									
Subtotal (Section NWT-W3)						14	0.15	0.04		0.13	0.03	0.2	1025.2	38281	98.8	1.90	187.7	214.5	402.2	9,580	
Colwood	Royal Roads	15-S132-1-Wye	223	462	114	576	2.3	1.5	3.15	4.7	0.4	5.1									
Colwood	600mm connection	15-S132-1-Wye	223	7559	677	8236	138.0	21.3	2.43	51.7	26.0	77.7									
Colwood	250mm connection	15-S132-1-SCO5	223	15	221	236	9.5	0.6	3.30	2.0	1.8	3.8									
Subtotal (Section NWT-W4)						9048	149.8	23.4		58.4	28.2	86.6	1174.9	47329	122.2	1.83	223.5	242.7	466.2	11,750	
Colwood	DND Belmont	15-S132-1-SCO4	223	1501	0	1501	65.8	3.9	2.94	11.4	92.0	103.4									
Colwood	Colwood Corners	various	223	123	4402	4525	61	11.7	2.63	30.7	11.5	42.2									
Subtotal (Section NET-W5)						6026	126.8	15.6		42.1	103.5	145.6	1301.7	53355	137.7	1.79	246.6	346.2	592.8	13,223	
Colwood	Colwood Corners	15-S117-1-SMH6	223	119	1709	1828	28.3	4.7	2.89	13.6	5.3	19.0									
Subtotal (Section NET-W6)						1828	28.3	4.7		13.6	5.3	19.0	1330.0	55183	142.4	1.78	253.5	351.6	605.1	13,660	
View Royal	I/S of Parsons	15-S117-1-SMH1	223	141	1005	1146	22.3	3.0	3.01	8.9	7.0	15.9									
Subtotal (Section NET-W7,8)						1146	22.3	3.0		8.9	7.0	15.9	1352.3	56329	145.4	1.77	257.8	358.5	616.4	13,938	
View Royal	View Royal PS	15-S113-1-SMH3	223	4140	1831	5971	211.9	15.4	2.54	39.1	64.5	103.6									
Subtotal (Section NETW-9)						5971	211.9	15.4		39.1	64.5	103.6	1564.2	62300	160.8	1.74	280.1	423.0	703.0	15,485	
View Royal	Hospital Trunk	Craigflower PS	223	1832	944	2776	86.2	7.2	2.78	19.9	26.9	46.8									
View Royal	Southern	Craigflower PS	223	332	607	275	25.4	1.6	3.14	4.9	7.9	12.8									
View Royal	Shoreline Trunk	Craigflower PS	223	3563	638	4201	111.2	10.8	2.65	28.7	34.7	63.4									
Subtotal (Section NETW-10,11, Craigflower PS)						7585	222.8	19.6		8.57	53.6	69.5	123.0	1787.0	69885	180.4	1.71	307.7	492.4	800.2	17,403
Esquimalt	Lang Cove	Lang Cove PS	223	4126	1275	5401	97	13.9	2.57	35.8	139.0	174.8									
Subtotal (Section NET-W12)						5401	97	13.9		35.8	139.0	174.8	1884.0	75285	194.3	1.68	327.1	631.4	958.6	18,707	
Esquimalt	Dockyards/Grafton	Lyall/Constance	223	1728	3600	5328	95	13.8	2.58	35.4	136.0	171.4									
Subtotal (Section NET-W13)						5328	95	13.8		35.4	136.0	171.4	1979.0	80613	208.1	1.66	346.0	767.4	1113.4	19,991	
Esquimalt	Kinver	Kinver Connection	223	1500	0	1500	46	3.9	2.94	11.4	95.0	106.4									
Subtotal (Section NET-W14)						1500	46	3.9		11.4	95.0	106.4	2025.0	82113	211.9	1.66	351.3	862.4	1213.7	20,373	

NWT-W Estimated Wastewater Flows
Year = 2030, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	193	22132	11761	33893	875.0	75.7	1.94	146.9	128.0	274.9									
Subtotal (Section NWT-W1)							33893	875.0	75.7		146.9	128.0	274.9	875.0	33893	75.7	1.94	146.9	128.0	274.9	7,432
Langford	Langford North	15-S135-3-SMH6	193	26540	14104	40644	977.0	90.8	1.88	170.6	144.2	314.9									
Subtotal (Section NWT-W2)							40644	977.0	90.8		170.6	144.2	314.9	977.0	40644	90.8	1.88	170.6	144.2	314.9	8,839
Colwood	Royal Colwood GC	15-S138-4-SMH6	193	0	14	14	0.15	0.03	3.52	0.11	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03		0.11	0.02	0.1	1852.2	74551	166.5	1.69	280.9	272.2	553.1	16,274
Colwood	Royal Roads	15-S132-1-Wye	193	462	114	576	2.3	1.3	3.15	4.1	0.3	4.4									
Colwood	600mm connection	15-S132-1-Wye	193	22722	3146	25868	385.5	57.8	2.03	117.5	55.4	172.8									
Colwood	250mm connection	15-S132-1-SCO5	193	15	221	236	9.5	0.5	3.30	1.7	1.4	3.1									
Subtotal (Section NWT-W4)							26680	397.3	59.6		123.3	57.1	180.3	2249.4	101231	226.1	1.60	361.0	329.3	690.3	21,827
Colwood	DND Belmont	15-S132-1-SCO4	193	1501	0	1501	65.8	3.4	2.94	9.9	45.0	54.9									
Colwood	Colwood Corners	various	193	123	4402	4525	61	10.1	2.63	26.6	8.8	35.3									
Subtotal (Section NET-W5)							6026	126.8	13.5		36.4	53.8	90.2	2376.2	107257	239.6	1.58	378.6	383.1	761.7	23,120
Colwood	Colwood Corners	15-S117-1-SMH6	193	119	1709	1828	28.3	4.1	2.89	11.8	4.1	15.9									
Subtotal (Section NET-W6)							1828	28.3	4.1		11.8	4.1	15.9	2404.5	109085	243.7	1.58	383.9	387.1	771.0	23,501
View Royal	I/S of Parsons	15-S117-1-SMH1	193	1217	1005	2222	33.7	5.0	2.84	14.1	6.9	21.0									
Subtotal (Section NET-W7,8)							2222	33.7	5.0		14.1	6.9	21.0	2438.2	111307	248.6	1.57	390.3	394.1	784.4	23,964
View Royal	View Royal PS	15-S113-1-SMH3	193	4526	7434	11961	265	26.7	2.30	61.5	56.7	118.2									
Subtotal (Section NETW-9)							11961	265	26.7		61.5	56.7	118.2	2703.2	123268	275.4	1.54	424.5	450.8	875.3	26,543
View Royal	Hospital Trunk	Craigflower PS	193	2143	1182	3325	86.2	7.4	2.72	20.2	20.5	40.7									
View Royal	Southern	Craigflower PS	193	389	344	733	25.4	1.6	3.11	5.1	6.0	11.1									
View Royal	Shoreline Trunk	Craigflower PS	193	4237	494	4731	111.2	10.6	2.61	27.6	26.4	54.0									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	19.6	8.44	52.9	52.9	105.8	2926.0	132057	295.0	1.52	449.3	503.7	952.9	28,466
Esquimalt	Lang Cove	Lang Cove PS	193	5187	1438	6624	97	14.8	2.50	37.0	77.0	114.0									
Subtotal (Section NET-W12)							6624	97	14.8		37.0	77.0	114.0	3023.0	138681	309.8	1.51	467.8	580.7	1048.4	29,843
Esquimalt	Dockyards/Grafton	Lyall/Constance	193	2092	4125	6217	95	13.9	2.52	35.1	75.0	110.1									
Subtotal (Section NET-W13)							6217	95	13.9		35.1	75.0	110.1	3118.0	144898	323.7	1.50	485.0	655.7	1140.7	31,139
Esquimalt	Kinver	Kinver Connection	193	1590	0	1590	46	3.6	2.93	10.4	50.0	60.4									
Subtotal (Section NET-W14)							1590	46	3.6		10.4	50.0	60.4	3164.0	146488	327.2	1.50	489.4	705.7	1195.1	31,493

NWT-W Estimated Wastewater Flows
Year = 2030, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	193	22132	11761	33893	875.0	75.7	1.94	146.9	140.6	287.5									
Subtotal (Section NWT-W1)							33893	875.0	75.7		146.9	140.6	287.5	875.0	33893	75.7	1.94	146.9	140.6	287.5	7,432
Langford	Langford North	15-S135-3-SMH6	193	26540	14104	40644	977.0	90.8	1.88	170.6	159.2	329.9									
Subtotal (Section NWT-W2)							40644	977.0	90.8		170.6	159.2	329.9	977.0	40644	90.8	1.88	170.6	159.2	329.9	8,839
Colwood	Royal Colwood GC	15-S138-4-SMH6	193	0	14	14	0.15	0.03	3.52	0.11	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03		0.11	0.02	0.1	1852.2	74551	166.5	1.69	280.9	299.9	580.7	16,274
Colwood	Royal Roads	15-S132-1-Wye	193	462	114	576	2.3	1.3	3.15	4.1	0.4	4.4									
Colwood	600mm connection	15-S132-1-Wye	193	22722	3146	25868	385.5	57.8	2.03	117.5	60.3	177.8									
Colwood	250mm connection	15-S132-1-SCO5	193	15	221	236	9.5	0.5	3.30	1.7	1.5	3.2									
Subtotal (Section NWT-W4)							26680	397.3	59.6		123.3	62.2	185.4	2249.4	101231	226.1	1.60	361.0	362.0	723.1	21,827
Colwood	DND Belmont	15-S132-1-SCO4	193	1501	0	1501	65.8	3.4	2.94	9.9	59.0	68.9									
Colwood	Colwood Corners	various	193	123	4402	4525	61	10.1	2.63	26.6	9.5	36.1									
Subtotal (Section NET-W5)							6026	126.8	13.5		36.4	68.5	105.0	2376.2	107257	239.6	1.58	378.6	430.6	809.2	23,120
Colwood	Colwood Corners	15-S117-1-SMH6	193	119	1709	1828	28.3	4.1	2.89	11.8	4.4	16.2									
Subtotal (Section NET-W6)							1828	28.3	4.1		11.8	4.4	16.2	2404.5	109085	243.7	1.58	383.9	435.0	818.9	23,501
View Royal	I/S of Parsons	15-S117-1-SMH1	193	1217	1005	2222	33.7	5.0	2.84	14.1	7.5	21.6									
Subtotal (Section NET-W7,8)							2222	33.7	5.0		14.1	7.5	21.6	2438.2	111307	248.6	1.57	390.3	442.5	832.8	23,964
View Royal	View Royal PS	15-S113-1-SMH3	193	4526	7434	11961	265	26.7	2.30	61.5	61.2	122.6									
Subtotal (Section NETW-9)							11961	265	26.7		61.5	61.2	122.6	2703.2	123268	275.4	1.54	424.5	503.6	928.1	26,543
View Royal	Hospital Trunk	Craigflower PS	193	2143	1182	3325	86.2	7.4	2.72	20.2	22.0	42.2									
View Royal	Southern	Craigflower PS	193	389	344	733	25.4	1.6	3.11	5.1	6.5	11.6									
View Royal	Shoreline Trunk	Craigflower PS	193	4237	494	4731	111.2	10.6	2.61	27.6	28.4	56.0									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	0.0	8.44	52.9	56.9	109.8	2926.0	132057	275.4	1.52	419.4	560.6	979.9	26,789
Esquimalt	Lang Cove	Lang Cove PS	193	5187	1438	6624	97	14.8	2.50	37.0	92.0	129.0									
Subtotal (Section NET-W12)							6624	97	14.8		37.0	92.0	129.0	3023.0	138681	290.2	1.51	438.1	652.6	1090.7	28,147
Esquimalt	Dockyards/Grafton	Lyall/Constance	193	2092	4125	6217	95	13.9	2.52	35.1	90.0	125.1									
Subtotal (Section NET-W13)							6217	95	13.9		35.1	90.0	125.1	3118.0	144898	304.0	1.50	455.6	742.6	1198.1	29,443
Esquimalt	Kinver	Kinver Connection	193	1590	0	1590	46	3.6	2.93	10.4	63.0	73.4									
Subtotal (Section NET-W14)							1590	46	3.6		10.4	63.0	73.4	3164.0	146488	307.6	1.50	460.0	805.6	1265.6	29,797

NWT-W Estimated Wastewater Flows
Year = 2030, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	193	22132	11761	33893	875.0	75.7	1.94	146.9	152.5	299.4									
Subtotal (Section NWT-W1)							33893	875.0	75.7	1.94	146.9	152.5	299.4	875.0	33893	75.7	1.94	146.9	152.5	299.4	7,432
Langford	Langford North	15-S135-3-SMH6	193	26540	14104	40644	977.0	90.8	1.88	170.6	172.9	343.6									
Subtotal (Section NWT-W2)							40644	977.0	90.8	1.88	170.6	172.9	343.6	977.0	40644	90.8	1.88	170.6	172.9	343.6	8,839
Colwood	Royal Colwood GC	15-S138-4-SMH6	193	0	14	14	0.15	0.03	3.52	0.11	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03	3.52	0.11	0.03	0.1	1852.2	74551	166.5	1.69	280.9	325.5	606.3	16,274
Colwood	Royal Roads	15-S132-1-Wye	193	462	114	576	2.3	1.3	3.15	4.1	0.4	4.4									
Colwood	600mm connection	15-S132-1-Wye	193	22722	3146	25868	385.5	57.8	2.03	117.5	65.3	182.7									
Colwood	250mm connection	15-S132-1-SCO5	193	15	221	236	9.5	0.5	3.30	1.7	1.6	3.3									
Subtotal (Section NWT-W4)							26680	397.3	59.6	123.3	67.3	190.5	2249.4	101231	226.1	1.60	361.0	392.8	753.8	21,827	
Colwood	DND Belmont	15-S132-1-SCO4	193	1501	0	1501	65.8	3.4	2.94	9.9	67.0	76.9									
Colwood	Colwood Corners	various	193	123	4402	4525	61	10.1	2.63	26.6	10.3	36.9									
Subtotal (Section NET-W5)							6026	126.8	13.5	36.4	77.3	113.8	2376.2	107257	239.6	1.58	378.6	470.1	848.7	23,120	
Colwood	Colwood Corners	15-S117-1-SMH6	193	119	1709	1828	28.3	4.1	2.89	11.8	4.8	16.6									
Subtotal (Section NET-W6)							1828	28.3	4.1	11.8	4.8	16.6	2404.5	109085	243.7	1.58	383.9	474.9	858.8	23,501	
View Royal	I/S of Parsons	15-S117-1-SMH1	193	1217	1005	2222	33.7	5.0	2.84	14.1	8.0	22.1									
Subtotal (Section NET-W7,8)							2222	33.7	5.0	2.84	14.1	8.0	22.1	2438.2	111307	248.6	1.57	390.3	482.9	873.2	23,964
View Royal	View Royal PS	15-S113-1-SMH3	193	4526	7434	11961	265	26.7	2.30	61.5	65.1	126.6									
Subtotal (Section NETW-9)							11961	265	26.7	2.30	61.5	65.1	126.6	2703.2	123268	275.4	1.54	424.5	548.0	972.5	26,543
View Royal	Hospital Trunk	Craigflower PS	193	2143	1182	3325	86.2	7.4	2.72	20.2	23.4	43.6									
View Royal	Southern	Craigflower PS	193	389	344	733	25.4	1.6	3.11	5.1	6.9	12.0									
View Royal	Shoreline Trunk	Craigflower PS	193	4237	494	4731	111.2	10.6	2.61	27.6	30.2	57.8									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	0.0	8.44	52.9	60.4	113.4	2926.0	132057	275.4	1.52	419.4	608.4	1027.8	26,789
Esquimalt	Lang Cove	Lang Cove PS	193	5187	1438	6624	97	14.8	2.50	37.0	100.0	137.0									
Subtotal (Section NET-W12)							6624	97	14.8	2.50	37.0	100.0	137.0	3023.0	138681	290.2	1.51	438.1	708.4	1146.5	28,147
Esquimalt	Dockyards/Grafton	Lyall/Constance	193	2092	4125	6217	95	13.9	2.52	35.1	98.0	133.1									
Subtotal (Section NET-W13)							6217	95	13.9	2.52	35.1	98.0	133.1	3118.0	144898	304.0	1.50	455.6	806.4	1262.0	29,443
Esquimalt	Kinver	Kinver Connection	193	1590	0	1590	46	3.6	2.93	10.4	71.0	81.4									
Subtotal (Section NET-W14)							1590	46	3.6	2.93	10.4	71.0	81.4	3164.0	146488	307.6	1.50	460.0	877.4	1337.4	29,797

NWT-W Estimated Wastewater Flows
Year = 2030, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	193	22132	11761	33893	875.0	75.7	1.94	146.9	159.8	306.7									
Subtotal (Section NWT-W1)							33893	875.0	75.7		146.9	159.8	306.7	875.0	33893	75.7	146.9	159.8	306.7	7,432	
Langford	Langford North	15-S135-3-SMH6	193	26540	14104	40644	977.0	90.8	1.88	170.6	182.0	352.6									
Subtotal (Section NWT-W2)							40644	977.0	90.8		170.6	182.0	352.6	977.0	40644	90.8	170.6	182.0	352.6	8,839	
Colwood	Royal Colwood GC	15-S138-4-SMH6	193	0	14	14	0.15	0.03	3.52	0.11	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03		0.11	0.03	0.1	1852.2	74551	166.5	1.69	280.9	341.8	622.7	16,274
Colwood	Royal Roads	15-S132-1-Wye	193	462	114	576	2.3	1.3	3.15	4.1	0.4	4.5									
Colwood	600mm connection	15-S132-1-Wye	193	22722	3146	25868	385.5	57.8	2.03	117.5	67.7	185.2									
Colwood	250mm connection	15-S132-1-SCO5	193	15	221	236	9.5	0.5	3.30	1.7	1.7	3.4									
Subtotal (Section NWT-W4)							26680	397.3	59.6		123.3	69.8	193.1	2249.4	101231	226.1	1.60	361.0	411.6	772.6	21,827
Colwood	DND Belmont	15-S132-1-SCO4	193	1501	0	1501	65.8	3.4	2.94	9.9	77.0	86.9									
Colwood	Colwood Corners	various	193	123	4402	4525	61	10.1	2.63	26.6	10.7	37.3									
Subtotal (Section NET-W5)							6026	126.8	13.5		36.4	87.7	124.2	2376.2	107257	239.6	1.58	378.6	499.4	877.9	23,120
Colwood	Colwood Corners	15-S117-1-SMH6	193	119	1709	1828	28.3	4.1	2.89	11.8	5.0	16.8									
Subtotal (Section NET-W6)							1828	28.3	4.1		11.8	5.0	16.8	2404.5	109085	243.7	1.58	383.9	504.3	888.2	23,501
View Royal	I/S of Parsons	15-S117-1-SMH1	193	1217	1005	2222	33.7	5.0	2.84	14.1	8.4	22.5									
Subtotal (Section NET-W7,8)							2222	33.7	5.0		14.1	8.4	22.5	2438.2	111307	248.6	1.57	390.3	512.7	903.0	23,964
View Royal	View Royal PS	15-S113-1-SMH3	193	4526	7434	11961	265	26.7	2.30	61.5	68.7	130.2									
Subtotal (Section NETW-9)							11961	265	26.7		61.5	68.7	130.2	2703.2	123268	275.4	1.54	424.5	581.4	1005.9	26,543
View Royal	Hospital Trunk	Craigflower PS	193	2143	1182	3325	86.2	7.4	2.72	20.2	24.7	45.0									
View Royal	Southern	Craigflower PS	193	389	344	733	25.4	1.6	3.11	5.1	7.3	12.4									
View Royal	Shoreline Trunk	Craigflower PS	193	4237	494	4731	111.2	10.6	2.61	27.6	31.9	59.5									
Subtotal (Section NETW-10,11, Craigflower PS)							8788	222.8	0.0	8.44	52.9	63.9	116.9	2926.0	132057	275.4	1.52	419.4	645.4	1064.7	26,789
Esquimalt	Lang Cove	Lang Cove PS	193	5187	1438	6624	97	14.8	2.50	37.0	119.0	156.0									
Subtotal (Section NET-W12)							6624	97	14.8		37.0	119.0	156.0	3023.0	138681	290.2	1.51	438.1	764.4	1202.5	28,147
Esquimalt	Dockyards/Grafton	Lyall/Constance	193	2092	4125	6217	95	13.9	2.52	35.1	116.0	151.1									
Subtotal (Section NET-W13)							6217	95	13.9		35.1	116.0	151.1	3118.0	144898	304.0	1.50	455.6	880.4	1335.9	29,443
Esquimalt	Kinver	Kinver Connection	193	1590	0	1590	46	3.6	2.93	10.4	81.0	91.4									
Subtotal (Section NET-W14)							1590	46	3.6		10.4	81.0	91.4	3164.0	146488	307.6	1.50	460.0	961.4	1421.4	29,797

NWT-W Estimated Wastewater Flows
Year = 2030, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	193	22132	11761	33893	875.0	75.7	1.94	146.9	172.8	319.7								
Subtotal (Section NWT-W1)						33893	875.0	75.7		146.9	172.8	319.7	875.0	33893	75.7	1.94	146.9	172.8	319.7	7,432
Langford	Langford North	15-S135-3-SMH6	193	26540	14104	40644	977.0	90.8	1.88	170.6	197.6	368.2								
Subtotal (Section NWT-W2)						40644	977.0	90.8		170.6	197.6	368.2	977.0	40644	90.8	1.88	170.6	197.6	368.2	8,839
Colwood	Royal Colwood GC	15-S138-4-SMH6	193	0	14	14	0.15	0.03	3.52	0.11	0.03	0.1								
Subtotal (Section NWT-W3)						14	0.2	0.03		0.11	0.03	0.1	1852.2	74551	166.5	1.69	280.9	370.4	651.3	16,274
Colwood	Royal Roads	15-S132-1-Wye	193	462	114	576	2.3	1.3	3.15	4.1	0.4	4.5								
Colwood	600mm connection	15-S132-1-Wye	193	22722	3146	25868	385.5	57.8	2.03	117.5	72.7	190.1								
Colwood	250mm connection	15-S132-1-SCO5	193	15	221	236	9.5	0.5	3.30	1.7	1.8	3.5								
Subtotal (Section NWT-W4)						26680	397.3	59.6		123.3	74.9	196.2	2249.4	101231	226.1	1.60	361.0	445.3	806.4	21,827
Colwood	DND Belmont	15-S132-1-SCO4	193	1501	0	1501	65.8	3.4	2.94	9.9	92.0	101.9								
Colwood	Colwood Corners	various	193	123	4402	4525	61	10.1	2.63	26.6	11.5	38.1								
Subtotal (Section NET-W5)						6026	126.8	13.5		36.4	103.5	139.9	2376.2	107257	239.6	1.58	378.6	548.8	927.4	23,120
Colwood	Colwood Corners	15-S117-1-SMH6	193	119	1709	1828	28.3	4.1	2.89	11.8	5.3	17.1								
Subtotal (Section NET-W6)						1828	28.3	4.1		11.8	5.3	17.1	2404.5	109085	243.7	1.58	383.9	554.2	938.1	23,501
View Royal	I/S of Parsons	15-S117-1-SMH1	193	1217	1005	2222	33.7	5.0	2.84	14.1	9.1	23.2								
Subtotal (Section NET-W7,8)						2222	33.7	5.0		14.1	9.1	23.2	2438.2	111307	248.6	1.57	390.3	563.3	953.6	23,964
View Royal	View Royal PS	15-S113-1-SMH3	193	4526	7434	11961	265	26.7	2.30	61.5	74.5	136.0								
Subtotal (Section NETW-9)						11961	265	26.7		61.5	74.5	136.0	2703.2	123268	275.4	1.54	424.5	637.7	1062.2	26,543
View Royal	Hospital Trunk	Craigflower PS	193	2143	1182	3325	86.2	7.4	2.72	20.2	26.9	47.1								
View Royal	Southern	Craigflower PS	193	389	344	733	25.4	1.6	3.11	5.1	7.9	13.0								
View Royal	Shoreline Trunk	Craigflower PS	193	4237	494	4731	111.2	10.6	2.61	27.6	34.7	62.3								
Subtotal (Section NETW-10,11, Craigflower PS)						8788	222.8	0.0	8.44	52.9	69.5	122.4	2926.0	132057	275.4	1.52	419.4	707.2	1126.6	26,769
Esquimalt	Lang Cove	Lang Cove PS	193	5187	1438	6624	97	14.8	2.50	37.0	139.0	176.0								
Subtotal (Section NET-W12)						6624	97	14.8		37.0	139.0	176.0	3023.0	138681	290.2	1.51	438.1	846.2	1284.3	28,147
Esquimalt	Dockyards/Grafton	Lyall/Constance	193	2092	4125	6217	95	13.9	2.52	35.1	136.0	171.1								
Subtotal (Section NET-W13)						6217	95	13.9		35.1	136.0	171.1	3118.0	144898	304.0	1.50	455.6	982.2	1437.8	29,443
Esquimalt	Kinver	Kinver Connection	193	1590	0	1590	46	3.6	2.93	10.4	95.0	105.4								
Subtotal (Section NET-W14)						1590	46	3.6		10.4	95.0	105.4	3164.0	146488	307.6	1.50	460.0	1077.2	1537.2	29,797

NWT-W Estimated Wastewater Flows
Year = 2045, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	173	25140	13359	38499	1002.0	77.1	1.90	146.3	146.2	292.5								
Subtotal (Section NWT-W1)						38499	1002.0	77.1		146.3	146.2	292.5	1002.0	38499	77.1	1.90	146.3	146.2	292.5	7,680
Langford	Langford North	15-S135-3-SMH6	173	35712	18978	54690	1158.0	109.5	1.78	195.2	170.3	365.5								
Subtotal (Section NWT-W2)						54690	1158.0	109.5		195.2	170.3	365.5	1158.0	54690	109.5	1.78	195.2	170.3	365.5	10,640
Colwood	Royal Colwood GC	15-S138-4-SMH6	173	0	14	14	0.15	0.03	3.52	0.10	0.02	0.1								
Subtotal (Section NWT-W3)						14	0.2	0.03		0.10	0.02	0.1	2160.2	93203	186.6	1.62	302.4	316.5	618.9	18,323
Colwood	Royal Roads	15-S132-1-Wye	173	462	114	576	2.3	1.2	3.15	3.6	0.3	4.0								
Colwood	600mm connection	15-S132-1-Wye	173	38403	5615	44018	633.0	88.1	1.85	163.3	91.0	254.3								
Colwood	250mm connection	15-S132-1-SCO5	173	15	221	236	9.5	0.5	3.30	1.6	1.4	2.9								
Subtotal (Section NWT-W4)						44829	644.8	89.8		168.5	92.6	261.2	2804.9	138032	276.4	1.51	417.7	409.1	826.8	26,735
Colwood	DND Belmont	15-S132-1-SCO4	173	1501	0	1501	65.8	3.0	2.94	8.8	45.0	53.8								
Colwood	Colwood Corners	various	173	123	4402	4525	61	9.1	2.63	23.8	8.8	32.6								
Subtotal (Section NET-W5)						6026	126.8	12.1		32.7	53.8	86.4	2931.7	144058	288.5	1.50	432.6	462.9	895.5	27,907
Colwood	Colwood Corners	15-S117-1-SMH6	173	119	1709	1828	28.3	3.7	2.89	10.6	4.1	14.7								
Subtotal (Section NET-W6)						1828	28.3	3.7		10.6	4.1	14.7	2960.0	145886	292.1	1.50	437.2	467.0	904.1	28,252
View Royal	I/S of Parsons	15-S117-1-SMH1	173	2298	1005	3303	45.1	6.6	2.73	18.0	8.6	26.6								
Subtotal (Section NET-W7,8)						3303	45.1	6.6		18.0	8.6	26.6	3005.1	149189	298.7	1.49	445.3	475.5	920.8	28,869
View Royal	View Royal PS	15-S113-1-SMH3	173	5174	13038	18212	318.1	36.5	2.15	78.6	64.4	142.9								
Subtotal (Section NETW-9)						18212	318.1	36.5		78.6	64.4	142.9	3323.2	167401	335.2	1.46	489.8	539.9	1029.7	32,343
View Royal	Hospital Trunk	Craigflower PS	173	2569	1420	3988	86.2	8.0	2.67	21.3	20.5	41.8								
View Royal	Southern	Craigflower PS	173	466	414	880	25.4	1.8	3.07	5.4	6.0	11.4								
View Royal	Shoreline Trunk	Craigflower PS	173	5134	350	5484	111.2	11.0	2.57	28.2	26.4	54.6								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	20.7		8.30	54.9	107.8	3546.0	177753	355.9	1.45	514.7	592.8	1107.5	34,361
Esquimalt	Lang Cove	Lang Cove PS	173	5880	1600	7480	97	15.0	2.46	36.9	77.0	113.9								
Subtotal (Section NET-W12)						7480	97	15.0		36.9	77.0	113.9	3643.0	185233	370.9	1.44	532.6	669.8	1202.4	35,754
Esquimalt	Dockyards/Grafton	Lyall/Constance	173	2310	4650	6960	95	13.9	2.49	34.7	75.0	109.7								
Subtotal (Section NET-W13)						6960	95	13.9		34.7	75.0	109.7	3738.0	192193	384.8	1.43	549.1	744.8	1293.9	37,055
Esquimalt	Kinver	Kinver Connection	173	1574	0	1574	46	3.2	2.93	9.2	50.0	59.2								
Subtotal (Section NET-W14)						1574	46	3.2		9.2	50.0	59.2	3784.0	193767	388.0	1.42	552.9	794.8	1347.7	37,374

NWT-W Estimated Wastewater Flows
Year = 2045, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	173	25140	13359	38499	1002.0	77.1	1.90	146.3	160.5	306.8									
Subtotal (Section NWT-W1)							38499	1002.0	77.1	1.90	146.3	160.5	306.8	1002.0	38499	77.1	1.90	146.3	160.5	306.8	7,680
Langford	Langford North	15-S135-3-SMH6	173	35712	18978	54690	1158.0	109.5	1.78	195.2	187.6	382.8									
Subtotal (Section NWT-W2)							54690	1158.0	109.5	1.78	195.2	187.6	382.8	1158.0	54690	109.5	1.78	195.2	187.6	382.8	10,640
Colwood	Royal Colwood GC	15-S138-4-SMH6	173	0	14	14	0.15	0.03	3.52	0.10	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03		0.10	0.02	0.1	2160.2	93203	186.6	1.62	302.4	348.1	650.4	18,323
Colwood	Royal Roads	15-S132-1-Wye	173	462	114	576	2.3	1.2	3.15	3.6	0.4	4.0									
Colwood	600mm connection	15-S132-1-Wye	173	38403	5615	44018	633.0	88.1	1.85	163.3	99.1	262.4									
Colwood	250mm connection	15-S132-1-SCO5	173	15	221	236	9.5	0.5	3.30	1.6	1.5	3.0									
Subtotal (Section NWT-W4)							44829	644.8	89.8		168.5	100.9	269.4	2804.9	138032	276.4	1.51	417.7	449.0	866.6	26,735
Colwood	DND Belmont	15-S132-1-SCO4	173	1501	0	1501	65.8	3.0	2.94	8.8	59.0	67.8									
Colwood	Colwood Corners	various	173	123	4402	4525	61	9.1	2.63	23.8	9.5	33.4									
Subtotal (Section NET-W5)							6026	126.8	12.1		32.7	68.5	101.2	2931.7	144058	288.5	1.50	432.6	517.5	950.2	27,907
Colwood	Colwood Corners	15-S117-1-SMH6	173	119	1709	1828	28.3	3.7	2.89	10.6	4.4	15.0									
Subtotal (Section NET-W6)							1828	28.3	3.7		10.6	4.4	15.0	2960.0	145886	292.1	1.50	437.2	522.0	959.1	28,252
View Royal	I/S of Parsons	15-S117-1-SMH1	173	2298	1005	3303	45.1	6.6	2.73	18.0	9.3	27.3									
Subtotal (Section NET-W7,8)							3303	45.1	6.6		18.0	9.3	27.3	3005.1	149189	298.7	1.49	445.3	531.2	976.5	28,869
View Royal	View Royal PS	15-S113-1-SMH3	173	5174	13038	18212	318.1	36.5	2.15	78.6	69.5	148.0									
Subtotal (Section NETW-9)							18212	318.1	36.5		78.6	69.5	148.0	3323.2	167401	335.2	1.46	489.8	600.7	1090.5	32,343
View Royal	Hospital Trunk	Craigflower PS	173	2569	1420	3988	86.2	8.0	2.67	21.3	22.0	43.3									
View Royal	Southern	Craigflower PS	173	466	414	880	25.4	1.8	3.07	5.4	6.5	11.9									
View Royal	Shoreline Trunk	Craigflower PS	173	5134	350	5484	111.2	11.0	2.57	28.2	28.4	56.6									
Subtotal (Section NETW-10,11, Craigflower PS)							10352	222.8	20.7	8.30	54.9	56.9	111.8	3546.0	177753	355.9	1.45	514.7	657.6	1172.3	34,361
Esquimalt	Lang Cove	Lang Cove PS	173	5880	1600	7480	97	15.0	2.46	36.9	92.0	128.9									
Subtotal (Section NET-W12)							7480	97	15.0		36.9	92.0	128.9	3643.0	185233	370.9	1.44	532.6	749.6	1282.2	35,754
Esquimalt	Dockyards/Grafton	Lyall/Constance	173	2310	4650	6960	95	13.9	2.49	34.7	90.0	124.7									
Subtotal (Section NET-W13)							6960	95	13.9		34.7	90.0	124.7	3738.0	192193	384.8	1.43	549.1	839.6	1388.7	37,055
Esquimalt	Kinver	Kinver Connection	173	1574	0	1574	46	3.2	2.93	9.2	63.0	72.2									
Subtotal (Section NET-W14)							1574	46	3.2		9.2	63.0	72.2	3784.0	193767	388.0	1.42	552.9	902.6	1455.5	37,374

NWT-W Estimated Wastewater Flows
Year = 2045, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	173	25140	13359	38499	1002.0	77.1	1.90	146.3	174.0	320.3								
Subtotal (Section NWT-W1)						38499	1002.0	77.1		146.3	174.0	320.3	1002.0	38499	77.1	1.90	146.3	174.0	320.3	7,680
Langford	Langford North	15-S135-3-SMH6	173	35712	18978	54690	1158.0	109.5	1.78	195.2	203.6	398.8								
Subtotal (Section NWT-W2)						54690	1158.0	109.5		195.2	203.6	398.8	1158.0	54690	109.5	1.78	195.2	203.6	398.8	10,640
Colwood	Royal Colwood GC	15-S138-4-SMH6	173	0	14	14	0.15	0.03	3.52	0.10	0.03	0.1								
Subtotal (Section NWT-W3)						14	0.2	0.03		0.10	0.03	0.1	2160.2	93203	186.6	1.62	302.4	377.7	680.0	18,323
Colwood	Royal Roads	15-S132-1-Wye	173	462	114	576	2.3	1.2	3.15	3.6	0.4	4.0								
Colwood	600mm connection	15-S132-1-Wye	173	38403	5615	44018	633.0	88.1	1.85	163.3	107.2	270.5								
Colwood	250mm connection	15-S132-1-SCO5	173	15	221	236	9.5	0.5	3.30	1.6	1.6	3.2								
Subtotal (Section NWT-W4)						44829	644.8	89.8		168.5	109.2	277.7	2804.9	138032	276.4	1.51	417.7	486.8	904.5	26,735
Colwood	DND Belmont	15-S132-1-SCO4	173	1501	0	1501	65.8	3.0	2.94	8.8	67.0	75.8								
Colwood	Colwood Corners	various	173	123	4402	4525	61	9.1	2.63	23.8	10.3	34.1								
Subtotal (Section NET-W5)						6026	126.8	12.1		32.7	77.3	110.0	2931.7	144058	288.5	1.50	432.6	564.2	996.8	27,907
Colwood	Colwood Corners	15-S117-1-SMH6	173	119	1709	1828	28.3	3.7	2.89	10.6	4.8	15.4								
Subtotal (Section NET-W6)						1828	28.3	3.7		10.6	4.8	15.4	2960.0	145886	292.1	1.50	437.2	569.0	1006.1	28,252
View Royal	I/S of Parsons	15-S117-1-SMH1	173	2298	1005	3303	45.1	6.6	2.73	18.0	9.9	27.9								
Subtotal (Section NET-W7,8)						3303	45.1	6.6		18.0	9.9	27.9	3005.1	149189	298.7	1.49	445.3	578.9	1024.2	28,869
View Royal	View Royal PS	15-S113-1-SMH3	173	5174	13038	18212	318.1	36.5	2.15	78.6	74.1	152.7								
Subtotal (Section NETW-9)						18212	318.1	36.5		78.6	74.1	152.7	3323.2	167401	335.2	1.46	489.8	653.0	1142.8	32,343
View Royal	Hospital Trunk	Craigflower PS	173	2569	1420	3988	86.2	8.0	2.67	21.3	23.4	44.7								
View Royal	Southern	Craigflower PS	173	466	414	880	25.4	1.8	3.07	5.4	6.9	12.3								
View Royal	Shoreline Trunk	Craigflower PS	173	5134	350	5484	111.2	11.0	2.57	28.2	30.2	58.3								
Subtotal (Section NETW-10,11, Craigflower PS)						10352	222.8	20.7	8.30	54.9	60.4	115.3	3546.0	177753	355.9	1.45	514.7	713.4	1228.1	34,361
Esquimalt	Lang Cove	Lang Cove PS	173	5880	1600	7480	97	15.0	2.46	36.9	100.0	136.9								
Subtotal (Section NET-W12)						7480	97	15.0		36.9	100.0	136.9	3643.0	185233	370.9	1.44	532.6	813.4	1346.0	35,754
Esquimalt	Dockyards/Grafton	Lyall/Constance	173	2310	4650	6960	95	13.9	2.49	34.7	98.0	132.7								
Subtotal (Section NET-W13)						6960	95	13.9		34.7	98.0	132.7	3738.0	192193	384.8	1.43	549.1	911.4	1460.6	37,055
Esquimalt	Kinver	Kinver Connection	173	1574	0	1574	46	3.2	2.93	9.2	71.0	80.2								
Subtotal (Section NET-W14)						1574	46	3.2		9.2	71.0	80.2	3784.0	193767	388.0	1.42	552.9	982.4	1535.3	37,374

NWT-W Estimated Wastewater Flows
Year = 2045, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	173	25140	13359	38499	1002.0	77.1	1.90	146.3	182.1	328.4									
Subtotal (Section NWT-W1)							38499	1002.0	77.1	1.90	146.3	182.1	328.4	1002.0	38499	77.1	1.90	146.3	182.1	328.4	7,680
Langford	Langford North	15-S135-3-SMH6	173	35712	18978	54690	1158.0	109.5	1.78	195.2	213.8	409.0									
Subtotal (Section NWT-W2)							54690	1158.0	109.5	1.78	195.2	213.8	409.0	1158.0	54690	109.5	1.78	195.2	213.8	409.0	10,640
Colwood	Royal Colwood GC	15-S138-4-SMH6	173	0	14	14	0.15	0.03	3.52	0.10	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03	3.52	0.10	0.03	0.1	2160.2	93203	186.6	1.62	302.4	395.9	698.3	18,323
Colwood	Royal Roads	15-S132-1-Wye	173	462	114	576	2.3	1.2	3.15	3.6	0.4	4.0									
Colwood	600mm connection	15-S132-1-Wye	173	38403	5615	44018	633.0	88.1	1.85	163.3	111.2	274.6									
Colwood	250mm connection	15-S132-1-SCO5	173	15	221	236	9.5	0.5	3.30	1.6	1.7	3.2									
Subtotal (Section NWT-W4)							44829	644.8	89.8	168.5	113.3	281.8	2804.9	138032	276.4	1.51	417.7	509.3	926.9	26,735	
Colwood	DND Belmont	15-S132-1-SCO4	173	1501	0	1501	65.8	3.0	2.94	8.8	77.0	85.8									
Colwood	Colwood Corners	various	173	123	4402	4525	61	9.1	2.63	23.8	10.7	34.5									
Subtotal (Section NET-W5)							6026	126.8	12.1	32.7	87.7	120.4	2931.7	144058	288.5	1.50	432.6	597.0	1029.6	27,907	
Colwood	Colwood Corners	15-S117-1-SMH6	173	119	1709	1828	28.3	3.7	2.89	10.6	5.0	15.6									
Subtotal (Section NET-W6)							1828	28.3	3.7	10.6	5.0	15.6	2960.0	145886	292.1	1.50	437.2	602.0	1039.1	28,252	
View Royal	I/S of Parsons	15-S117-1-SMH1	173	2298	1005	3303	45.1	6.6	2.73	18.0	10.4	28.4									
Subtotal (Section NET-W7,8)							3303	45.1	6.6	18.0	10.4	28.4	3005.1	149189	298.7	1.49	445.3	612.4	1057.7	28,869	
View Royal	View Royal PS	15-S113-1-SMH3	173	5174	13038	18212	318.1	36.5	2.15	78.6	78.0	156.6									
Subtotal (Section NETW-9)							18212	318.1	36.5	78.6	78.0	156.6	3323.2	167401	335.2	1.46	489.8	690.4	1180.2	32,343	
View Royal	Hospital Trunk	Craigflower PS	173	2569	1420	3988	86.2	8.0	2.67	21.3	24.7	46.0									
View Royal	Southern	Craigflower PS	173	466	414	880	25.4	1.8	3.07	5.4	7.3	12.7									
View Royal	Shoreline Trunk	Craigflower PS	173	5134	350	5484	111.2	11.0	2.57	28.2	31.9	60.1									
Subtotal (Section NETW-10,11, Craigflower PS)							10352	222.8	20.7	8.30	54.9	63.9	118.8	3546.0	177753	355.9	1.45	514.7	754.3	1269.0	34,361
Esquimalt	Lang Cove	Lang Cove PS	173	5880	1600	7480	97	15.0	2.46	36.9	119.0	155.9									
Subtotal (Section NET-W12)							7480	97	15.0	36.9	119.0	155.9	3643.0	185233	370.9	1.44	532.6	873.3	1405.9	35,754	
Esquimalt	Dockyards/Grafton	Lyall/Constance	173	2310	4650	6960	95	13.9	2.49	34.7	116.0	150.7									
Subtotal (Section NET-W13)							6960	95	13.9	34.7	116.0	150.7	3738.0	192193	384.8	1.43	549.1	989.3	1538.5	37,055	
Esquimalt	Kinver	Kinver Connection	173	1574	0	1574	46	3.2	2.93	9.2	81.0	90.2									
Subtotal (Section NET-W14)							1574	46	3.2	9.2	81.0	90.2	3784.0	193767	388.0	1.42	552.9	1070.3	1623.2	37,374	

NWT-W Estimated Wastewater Flows
Year = 2045, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	173	25140	13359	38499	1002.0	77.1	1.90	146.3	196.7	343.0									
Subtotal (Section NWT-W1)							38499	1002.0	77.1	1.90	146.3	196.7	343.0	1002.0	38499	77.1	1.90	146.3	196.7	343.0	7,680
Langford	Langford North	15-S135-3-SMH6	173	35712	18978	54690	1158.0	109.5	1.78	195.2	231.7	427.0									
Subtotal (Section NWT-W2)							54690	1158.0	109.5	1.78	195.2	231.7	427.0	1158.0	54690	109.5	1.78	195.2	231.7	427.0	10,640
Colwood	Royal Colwood GC	15-S138-4-SMH6	173	0	14	14	0.15	0.03	3.52	0.10	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.03	3.52	0.10	0.03	0.1	2160.2	93203	186.6	1.62	302.4	428.5	730.9	18,323
Colwood	Royal Roads	15-S132-1-Wye	173	462	114	576	2.3	1.2	3.15	3.6	0.4	4.1									
Colwood	600mm connection	15-S132-1-Wye	173	38403	5615	44018	633.0	88.1	1.85	163.3	119.4	282.7									
Colwood	250mm connection	15-S132-1-SCO5	173	15	221	236	9.5	0.5	3.30	1.6	1.8	3.3									
Subtotal (Section NWT-W4)							44829	644.8	89.8	168.5	121.6	290.1	2804.9	138032	276.4	1.51	417.7	550.1	967.7	26,735	
Colwood	DND Belmont	15-S132-1-SCO4	173	1501	0	1501	65.8	3.0	2.94	8.8	92.0	100.8									
Colwood	Colwood Corners	various	173	123	4402	4525	61	9.1	2.63	23.8	11.5	35.3									
Subtotal (Section NET-W5)							6026	126.8	12.1	32.7	103.5	136.2	2931.7	144058	288.5	1.50	432.6	653.6	1086.2	27,907	
Colwood	Colwood Corners	15-S117-1-SMH6	173	119	1709	1828	28.3	3.7	2.89	10.6	5.3	15.9									
Subtotal (Section NET-W6)							1828	28.3	3.7	10.6	5.3	15.9	2960.0	145886	292.1	1.50	437.2	658.9	1096.1	28,252	
View Royal	I/S of Parsons	15-S117-1-SMH1	173	2298	1005	3303	45.1	6.6	2.73	18.0	11.3	29.3									
Subtotal (Section NET-W7,8)							3303	45.1	6.6	18.0	11.3	29.3	3005.1	149189	298.7	1.49	445.3	670.2	1115.5	28,869	
View Royal	View Royal PS	15-S113-1-SMH3	173	5174	13038	18212	318.1	36.5	2.15	78.6	84.5	163.1									
Subtotal (Section NETW-9)							18212	318.1	36.5	78.6	84.5	163.1	3323.2	167401	335.2	1.46	489.8	754.7	1244.4	32,343	
View Royal	Hospital Trunk	Craigflower PS	173	2569	1420	3988	86.2	8.0	2.67	21.3	26.9	48.2									
View Royal	Southern	Craigflower PS	173	466	880	880	25.4	1.8	3.07	5.4	7.9	13.3									
View Royal	Shoreline Trunk	Craigflower PS	173	5134	350	5484	111.2	11.0	2.57	28.2	34.7	62.8									
Subtotal (Section NETW-10,11, Craigflower PS)							10352	222.8	20.7	8.30	54.9	69.5	124.3	3546.0	177753	355.9	1.45	514.7	824.1	1338.8	34,361
Esquimalt	Lang Cove	Lang Cove PS	173	5880	1600	7480	97	15.0	2.46	36.9	139.0	175.9									
Subtotal (Section NET-W12)							7480	97	15.0	36.9	139.0	175.9	3643.0	185233	370.9	1.44	532.6	963.1	1495.7	35,754	
Esquimalt	Dockyards/Grafton	Lyall/Constance	173	2310	4650	6960	95	13.9	2.49	34.7	136.0	170.7									
Subtotal (Section NET-W13)							6960	95	13.9	34.7	136.0	170.7	3738.0	192193	384.8	1.43	549.1	1099.1	1648.3	37,055	
Esquimalt	Kinver	Kinver Connection	173	1574	0	1574	46	3.2	2.93	9.2	95.0	104.2									
Subtotal (Section NET-W14)							1574	46	3.2	9.2	95.0	104.2	3784.0	193767	388.0	1.42	552.9	1194.1	1747.0	37,374	

NWT-W Estimated Wastewater Flows
Year = 2065, 2-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Langford	Langford South	15S-135-2-Cap	152	30163	16029	46192	1213.0	81.3	1.84	149.3	176.5	325.8								
Subtotal (Section NWT-W1)							46192	1213.0	81.3	149.3	176.5	325.8	1213.0	46192	81.3	1.84	149.3	176.5	325.8	8,256
Langford	Langford North	15-S135-3-SMH6	152	51795	27525	79320	1457.0	139.5	1.67	232.7	213.2	446.0								
Subtotal (Section NWT-W2)							79320	1457.0	139.5	232.7	213.2	446.0	1457.0	79320	139.5	1.67	232.7	213.2	446.0	13,540
Colwood	Royal Colwood GC	15-S138-4-SMH6	152	0	14	14	0.15	0.02	3.52	0.09	0.02	0.1								
Subtotal (Section NWT-W3)							14	0.2	0.02	0.09	0.02	0.1	2670.2	125526	220.8	1.54	339.3	389.8	729.1	21,798
Colwood	Royal Roads	15-S132-1-Wye	152	651	160	811	2.3	1.4	3.09	4.4	0.3	4.7								
Colwood	600mm connection	15-S132-1-Wye	152	54148	7917	62065	867.2	109.2	1.74	190.3	124.6	314.9								
Colwood	250mm connection	15-S132-1-SCO5	152	21	312	333	9.5	0.6	3.25	1.9	1.4	3.3								
Subtotal (Section NWT-W4)							63209	879.0	111.2	196.6	126.3	322.9	3549.1	188735	332.0	1.43	475.3	516.1	991.3	32,301
Colwood	DND Belmont	15-S132-1-SCO4	152	2116	0	2116	65.8	3.7	2.85	10.6	45.0	55.6								
Colwood	Colwood Corners	various	152	173	6207	6380	61	11.2	2.52	28.2	8.8	37.0								
Subtotal (Section NET-W5)							8497	126.8	14.9	38.9	53.8	92.6	3675.9	197232	347.0	1.42	493.0	569.8	1062.8	33,721
Colwood	Colwood Corners	15-S117-1-SMH6	152	168	2410	2577	28.3	4.5	2.80	12.7	4.1	16.8								
Subtotal (Section NET-W6)							2577	28.3	4.5	12.7	4.1	16.8	3704.2	199809	351.5	1.42	498.3	573.9	1072.2	34,142
View Royal	I/S of Parsons	15-S117-1-SMH1	152	2832	1238	4070	45.1	7.2	2.66	19.1	8.6	27.6								
Subtotal (Section NET-W7,8)							4070	45.1	7.2	19.1	8.6	27.6	3749.3	203879	358.7	1.41	506.7	582.5	1089.2	34,806
View Royal	View Royal PS	15-S113-1-SMH3	152	6377	16063	22440	318.1	39.5	2.08	82.2	64.4	146.5								
Subtotal (Section NETW-9)							22440	318.1	39.5	82.2	64.4	146.5	4067.4	226319	398.2	1.39	552.7	646.8	1199.5	38,541
View Royal	Hospital Trunk	Craigflower PS	152	3166	1749	4915	86.2	8.6	2.60	22.5	20.5	43.0								
View Royal	Southern	Craigflower PS	152	574	510	1084	25.4	1.9	3.02	5.8	6.0	11.8								
View Royal	Shoreline Trunk	Craigflower PS	152	6327	431	6759	111.2	11.9	2.50	29.7	26.4	56.1								
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	22.4	8.12	57.9	110.8	4290.2	239077	420.6	1.38	578.5	699.7	1278.2	40,707
Esquimalt	Lang Cove	Lang Cove PS	152	5999	1632	7631	97	13.4	2.46	33.0	77.0	110.0								
Subtotal (Section NET-W12)							7631	97	13.4	33.0	77.0	110.0	4387.2	246708	434.0	1.37	593.9	776.7	1370.6	41,966
Esquimalt	Dockyards/Grafton	Lyall/Constance	152	2357	4743	7100	95	12.5	2.48	31.0	75.0	106.0								
Subtotal (Section NET-W13)							7100	95	12.5	31.0	75.0	106.0	4482.2	253807	446.5	1.36	608.1	851.7	1459.8	43,142
Esquimalt	Kinver	Kinver Connection	152	1606	0	1606	46	2.8	2.93	8.3	50.0	58.3								
Subtotal (Section NET-W14)							1606	46	2.8	8.3	50.0	58.3	4528.2	255413	449.3	1.36	611.3	901.7	1513.0	43,433

NWT-W Estimated Wastewater Flows
Year = 2065, 5-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	152	30163	16029	46192	1213.0	81.3	1.84	149.3	193.5	342.8									
Subtotal (Section NWT-W1)							46192	1213.0	81.3		149.3	193.5	342.8	1213.0	46192	81.3	1.84	149.3	193.5	342.8	8,256
Langford	Langford North	15-S135-3-SMH6	152	51795	27525	79320	1457.0	139.5	1.67	232.7	234.4	467.1									
Subtotal (Section NWT-W2)							79320	1457.0	139.5		232.7	234.4	467.1	1457.0	79320	139.5	1.67	232.7	234.4	467.1	13,540
Colwood	Royal Colwood GC	15-S138-4-SMH6	152	0	14	14	0.15	0.02	3.52	0.09	0.02	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.02		0.09	0.02	0.1	2670.2	125526	220.8	1.54	339.3	427.9	767.2	21,798
Colwood	Royal Roads	15-S132-1-Wye	152	651	160	811	2.3	1.4	3.09	4.4	0.4	4.8									
Colwood	600mm connection	15-S132-1-Wye	152	54148	7917	62065	867.2	109.2	1.74	190.3	135.7	326.0									
Colwood	250mm connection	15-S132-1-SCO5	152	21	312	333	9.5	0.6	3.25	1.9	1.5	3.4									
Subtotal (Section NWT-W4)							63209	879.0	111.2		196.6	137.6	334.2	3549.1	188735	332.0	1.43	475.3	565.5	1040.7	32,301
Colwood	DND Belmont	15-S132-1-SCO4	152	2116	0	2116	65.8	3.7	2.85	10.6	59.0	69.6									
Colwood	Colwood Corners	various	152	173	6207	6380	61	11.2	2.52	28.2	9.5	37.8									
Subtotal (Section NET-W5)							8497	126.8	14.9		38.9	68.5	107.4	3675.9	197232	347.0	1.42	493.0	634.0	1127.0	33,721
Colwood	Colwood Corners	15-S117-1-SMH6	152	168	2410	2577	28.3	4.5	2.80	12.7	4.4	17.1									
Subtotal (Section NET-W6)							2577	28.3	4.5		12.7	4.4	17.1	3704.2	199809	351.5	1.42	498.3	638.4	1136.7	34,142
View Royal	I/S of Parsons	15-S117-1-SMH1	152	2832	1238	4070	45.1	7.2	2.66	19.1	9.3	28.3									
Subtotal (Section NET-W7,8)							4070	45.1	7.2		19.1	9.3	28.3	3749.3	203879	358.7	1.41	506.7	647.7	1154.4	34,806
View Royal	View Royal PS	15-S113-1-SMH3	152	6377	16063	22440	318.1	39.5	2.08	82.2	69.5	151.7									
Subtotal (Section NETW-9)							22440	318.1	39.5		82.2	69.5	151.7	4067.4	226319	398.2	1.39	552.7	717.2	1269.8	38,541
View Royal	Hospital Trunk	Craigflower PS	152	3166	1749	4915	86.2	8.6	2.60	22.5	22.0	44.5									
View Royal	Southern	Craigflower PS	152	574	510	1084	25.4	1.9	3.02	5.8	6.5	12.3									
View Royal	Shoreline Trunk	Craigflower PS	152	6327	431	6759	111.2	11.9	2.50	29.7	28.4	58.1									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	22.4	8.12	57.9	56.9	114.9	4290.2	239077	420.6	1.38	578.5	774.1	1352.6	40,707
Esquimalt	Lang Cove	Lang Cove PS	152	5999	1632	7631	97	13.4	2.46	33.0	92.0	125.0									
Subtotal (Section NET-W12)							7631	97	13.4		33.0	92.0	125.0	4387.2	246708	434.0	1.37	593.9	868.1	1460.0	41,966
Esquimalt	Dockyards/Grafton	Lyall/Constance	152	2357	4743	7100	95	12.5	2.48	31.0	90.0	121.0									
Subtotal (Section NET-W13)							7100	95	12.5		31.0	90.0	121.0	4482.2	253807	446.5	1.36	608.1	956.1	1564.2	43,142
Esquimalt	Kinver	Kinver Connection	152	1606	0	1606	46	2.8	2.93	8.3	63.0	71.3									
Subtotal (Section NET-W14)							1606	46	2.8		8.3	63.0	71.3	4528.2	255413	449.3	1.36	611.3	1019.1	1630.4	43,433

NWT-W Estimated Wastewater Flows
Year = 2065, 10-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	152	30163	16029	46192	1213.0	81.3	1.84	149.3	209.8	359.1									
Subtotal (Section NWT-W1)							46192	1213.0	81.3	149.3	209.8	359.1	1213.0	46192	81.3	1.84	149.3	209.8	359.1	8,256	
Langford	Langford North	15-S135-3-SMH6	152	51795	27525	79320	1457.0	139.5	1.67	232.7	254.2	487.0									
Subtotal (Section NWT-W2)							79320	1457.0	139.5	232.7	254.2	487.0	1457.0	79320	139.5	1.67	232.7	254.2	487.0	13,540	
Colwood	Royal Colwood GC	15-S138-4-SMH6	152	0	14	14	0.15	0.02	3.52	0.09	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.02	0.09	0.03	0.1	2670.2	125526	220.8	1.54	339.3	464.0	803.4	21,798	
Colwood	Royal Roads	15-S132-1-Wye	152	651	160	811	2.3	1.4	3.09	4.4	0.4	4.8									
Colwood	600mm connection	15-S132-1-Wye	152	54148	7917	62065	867.2	109.2	1.74	190.3	146.8	337.2									
Colwood	250mm connection	15-S132-1-SCO5	152	21	312	333	9.5	0.6	3.25	1.9	1.6	3.5									
Subtotal (Section NWT-W4)							63209	879.0	111.2	196.6	148.8	345.5	3549.1	188735	332.0	1.43	475.3	612.9	1088.1	32,301	
Colwood	DND Belmont	15-S132-1-SCO4	152	2116	0	2116	65.8	3.7	2.85	10.6	67.0	77.6									
Colwood	Colwood Corners	various	152	173	6207	6380	61	11.2	2.52	28.2	10.3	38.6									
Subtotal (Section NET-W5)							8497	126.8	14.9	38.9	77.3	116.2	3675.9	197232	347.0	1.42	493.0	690.2	1183.1	33,721	
Colwood	Colwood Corners	15-S117-1-SMH6	152	168	2410	2577	28.3	4.5	2.80	12.7	4.8	17.5									
Subtotal (Section NET-W6)							2577	28.3	4.5	12.7	4.8	17.5	3704.2	199809	351.5	1.42	498.3	695.0	1193.3	34,142	
View Royal	I/S of Parsons	15-S117-1-SMH1	152	2832	1238	4070	45.1	7.2	2.66	19.1	9.9	29.0									
Subtotal (Section NET-W7,8)							4070	45.1	7.2	19.1	9.9	29.0	3749.3	203879	358.7	1.41	506.7	704.9	1211.6	34,806	
View Royal	View Royal PS	15-S113-1-SMH3	152	6377	16063	22440	318.1	39.5	2.08	82.2	74.1	156.3									
Subtotal (Section NETW-9)							22440	318.1	39.5	82.2	74.1	156.3	4067.4	226319	398.2	1.39	552.7	779.0	1331.7	38,541	
View Royal	Hospital Trunk	Craigflower PS	152	3166	1749	4915	86.2	8.6	2.60	22.5	23.4	45.9									
View Royal	Southern	Craigflower PS	152	574	510	1084	25.4	1.9	3.02	5.8	6.9	12.7									
View Royal	Shoreline Trunk	Craigflower PS	152	6327	431	6759	111.2	11.9	2.50	29.7	30.2	59.8									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	22.4	8.12	57.9	60.4	118.4	4290.2	239077	420.6	1.38	578.5	839.4	1418.0	40,707
Esquimalt	Lang Cove	Lang Cove PS	152	5999	1632	7631	97	13.4	2.46	33.0	100.0	133.0									
Subtotal (Section NET-W12)							7631	97	13.4	33.0	100.0	133.0	4387.2	246708	434.0	1.37	593.9	939.4	1533.3	41,966	
Esquimalt	Dockyards/Grafton	Lyall/Constance	152	2357	4743	7100	95	12.5	2.48	31.0	98.0	129.0									
Subtotal (Section NET-W13)							7100	95	12.5	31.0	98.0	129.0	4482.2	253807	446.5	1.36	608.1	1037.4	1645.6	43,142	
Esquimalt	Kinver	Kinver Connection	152	1606	0	1606	46	2.8	2.93	8.3	71.0	79.3									
Subtotal (Section NET-W14)							1606	46	2.8	8.3	71.0	79.3	4528.2	255413	449.3	1.36	611.3	1108.4	1719.8	43,433	

NWT-W Estimated Wastewater Flows
Year = 2065, 25-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	152	30163	16029	46192	1213.0	81.3	1.84	149.3	219.2	368.5									
Subtotal (Section NWT-W1)							46192	1213.0	81.3	1.84	149.3	219.2	368.5	1213.0	46192	81.3	1.84	149.3	219.2	368.5	8,256
Langford	Langford North	15-S135-3-SMH6	152	51795	27525	79320	1457.0	139.5	1.67	232.7	266.4	499.1									
Subtotal (Section NWT-W2)							79320	1457.0	139.5	1.67	232.7	266.4	499.1	1457.0	79320	139.5	1.67	232.7	266.4	499.1	13,540
Colwood	Royal Colwood GC	15-S138-4-SMH6	152	0	14	14	0.15	0.02	3.52	0.09	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.02	0.09	0.03	0.1	2670.2	125526	220.8	1.54	339.3	485.6	824.9	21,798	
Colwood	Royal Roads	15-S132-1-Wye	152	651	160	811	2.3	1.4	3.09	4.4	0.4	4.8									
Colwood	600mm connection	15-S132-1-Wye	152	54148	7917	62065	867.2	109.2	1.74	190.3	152.4	342.7									
Colwood	250mm connection	15-S132-1-SCO5	152	21	312	333	9.5	0.6	3.25	1.9	1.7	3.6									
Subtotal (Section NWT-W4)							63209	879.0	111.2	196.6	154.5	351.1	3549.1	188735	332.0	1.43	475.3	640.1	1115.3	32,301	
Colwood	DND Belmont	15-S132-1-SCO4	152	2116	0	2116	65.8	3.7	2.85	10.6	77.0	87.6									
Colwood	Colwood Corners	various	152	173	6207	6380	61	11.2	2.52	28.2	10.7	39.0									
Subtotal (Section NET-W5)							8497	126.8	14.9	38.9	87.7	126.6	3675.9	197232	347.0	1.42	493.0	727.8	1220.7	33,721	
Colwood	Colwood Corners	15-S117-1-SMH6	152	168	2410	2577	28.3	4.5	2.80	12.7	5.0	17.7									
Subtotal (Section NET-W6)							2577	28.3	4.5	2.80	12.7	5.0	17.7	3704.2	199809	351.5	1.42	498.3	732.7	1231.1	34,142
View Royal	I/S of Parsons	15-S117-1-SMH1	152	2832	1238	4070	45.1	7.2	2.66	19.1	10.4	29.5									
Subtotal (Section NET-W7,8)							4070	45.1	7.2	2.66	19.1	10.4	29.5	3749.3	203879	358.7	1.41	506.7	743.2	1249.9	34,806
View Royal	View Royal PS	15-S113-1-SMH3	152	6377	16063	22440	318.1	39.5	2.08	82.2	78.0	160.2									
Subtotal (Section NETW-9)							22440	318.1	39.5	2.08	82.2	78.0	160.2	4067.4	226319	398.2	1.39	552.7	821.2	1373.9	38,541
View Royal	Hospital Trunk	Craigflower PS	152	3166	1749	4915	86.2	8.6	2.60	22.5	24.7	47.2									
View Royal	Southern	Craigflower PS	152	574	510	1084	25.4	1.9	3.02	5.8	7.3	13.1									
View Royal	Shoreline Trunk	Craigflower PS	152	6327	431	6759	111.2	11.9	2.50	29.7	31.9	61.6									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	22.4	8.12	57.9	63.9	121.9	4290.2	239077	420.6	1.38	578.5	885.1	1463.6	40,707
Esquimalt	Lang Cove	Lang Cove PS	152	5999	1632	7631	97	13.4	2.46	33.0	119.0	152.0									
Subtotal (Section NET-W12)							7631	97	13.4	2.46	33.0	119.0	152.0	4387.2	246708	434.0	1.37	593.9	1004.1	1598.0	41,966
Esquimalt	Dockyards/Grafton	Lyall/Constance	152	2357	4743	7100	95	12.5	2.48	31.0	116.0	147.0									
Subtotal (Section NET-W13)							7100	95	12.5	2.48	31.0	116.0	147.0	4482.2	253807	446.5	1.36	608.1	1120.1	1728.2	43,142
Esquimalt	Kinver	Kinver Connection	152	1606	0	1606	46	2.8	2.93	8.3	81.0	89.3									
Subtotal (Section NET-W14)							1606	46	2.8	2.93	8.3	81.0	89.3	4528.2	255413	449.3	1.36	611.3	1201.1	1812.4	43,433

NWT-W Estimated Wastewater Flows
Year = 2065, 100-Year Storm

Location	Catchment	Injection Point	L/cap/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Langford	Langford South	15S-135-2-Cap	152	30163	16029	46192	1213.0	81.3	1.84	149.3	236.5	385.9									
Subtotal (Section NWT-W1)							46192	1213.0	81.3	1.84	149.3	236.5	385.9	1213.0	46192	81.3	1.84	149.3	236.5	385.9	8,256
Langford	Langford North	15-S135-3-SMH6	152	51795	27525	79320	1457.0	139.5	1.67	232.7	288.1	520.8									
Subtotal (Section NWT-W2)							79320	1457.0	139.5	1.67	232.7	288.1	520.8	1457.0	79320	139.5	1.67	232.7	288.1	520.8	13,540
Colwood	Royal Colwood GC	15-S138-4-SMH6	152	0	14	14	0.15	0.02	3.52	0.09	0.03	0.1									
Subtotal (Section NWT-W3)							14	0.2	0.02	0.09	0.03	0.1	2670.2	125526	220.8	1.54	339.3	524.7	864.0	21,798	
Colwood	Royal Roads	15-S132-1-Wye	152	651	160	811	2.3	1.4	3.09	4.4	0.4	4.8									
Colwood	600mm connection	15-S132-1-Wye	152	54148	7917	62065	867.2	109.2	1.74	190.3	163.5	353.8									
Colwood	250mm connection	15-S132-1-SCO5	152	21	312	333	9.5	0.6	3.25	1.9	1.8	3.7									
Subtotal (Section NWT-W4)							63209	879.0	111.2	196.6	165.7	362.4	3549.1	188735	332.0	1.43	475.3	690.4	1165.7	32,301	
Colwood	DND Belmont	15-S132-1-SCO4	152	2116	0	2116	65.8	3.7	2.85	10.6	80.0	90.6									
Colwood	Colwood Corners	various	152	173	6207	6380	61	11.2	2.52	28.2	11.5	39.7									
Subtotal (Section NET-W5)							8497	126.8	14.9	38.9	91.5	130.4	3675.9	197232	347.0	1.42	493.0	781.9	1274.9	33,721	
Colwood	Colwood Corners	15-S117-1-SMH6	152	168	2410	2577	28.3	4.5	2.80	12.7	5.3	18.0									
Subtotal (Section NET-W6)							2577	28.3	4.5	2.80	12.7	5.3	18.0	3704.2	199809	351.5	1.42	498.3	787.3	1285.6	34,142
View Royal	I/S of Parsons	15-S117-1-SMH1	152	2832	1238	4070	45.1	7.2	2.66	19.1	11.3	30.3									
Subtotal (Section NET-W7,8)							4070	45.1	7.2	2.66	19.1	11.3	30.3	3749.3	203879	358.7	1.41	506.7	798.5	1305.2	34,806
View Royal	View Royal PS	15-S113-1-SMH3	152	6377	16063	22440	318.1	39.5	2.08	82.2	84.5	166.7									
Subtotal (Section NETW-9)							22440	318.1	39.5	2.08	82.2	84.5	166.7	4067.4	226319	398.2	1.39	552.7	883.0	1435.7	38,541
View Royal	Hospital Trunk	Craigflower PS	152	3166	1749	4915	86.2	8.6	2.60	22.5	26.9	49.4									
View Royal	Southern	Craigflower PS	152	574	510	1084	25.4	1.9	3.02	5.8	7.9	13.7									
View Royal	Shoreline Trunk	Craigflower PS	152	6327	431	6759	111.2	11.9	2.50	29.7	34.7	64.4									
Subtotal (Section NETW-10,11, Craigflower PS)							12758	222.8	22.4	8.12	57.9	69.5	127.4	4290.2	239077	420.6	1.38	578.5	952.4	1531.0	40,707
Esquimalt	Lang Cove	Lang Cove PS	152	5999	1632	7631	97	13.4	2.46	33.0	139.0	172.0									
Subtotal (Section NET-W12)							7631	97	13.4	2.46	33.0	139.0	172.0	4387.2	246708	434.0	1.37	593.9	1091.4	1685.3	41,966
Esquimalt	Dockyards/Grafton	Lyall/Constance	152	2357	4743	7100	95	12.5	2.48	31.0	136.0	167.0									
Subtotal (Section NET-W13)							7100	95	12.5	2.48	31.0	136.0	167.0	4482.2	253807	446.5	1.36	608.1	1227.4	1835.6	43,142
Esquimalt	Kinver	Kinver Connection	152	1606	0	1606	46	2.8	2.93	8.3	95.0	103.3									
Subtotal (Section NET-W14)							1606	46	2.8	2.93	8.3	95.0	103.3	4528.2	255413	449.3	1.36	611.3	1322.4	1933.8	43,433

Appendix I

NWT-N Design Flows using Fixture Reduction + Water Recycling Rates

NWT-N Estimated Wastewater Flows
Year = 2005, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	293.0	576.6									
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	293.0	576.6		2383.0	62582	163.0	1.74	283.6	293.0	576.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	125.0	266.2									
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	125.0	266.2		3047.0	89418	232.9	1.63	380.1	418.0	798.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	286.0	355.5									
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	13.0	21.6									
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	26.0	34.4									
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	325.0	411.4		3479.0	103095	268.5	1.59	427.2	743.0	1170.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	18.0	22.2									
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	102.0	157.5									
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	120.0	179.7		3754.0	112455	292.9	1.57	458.9	863.0	1321.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	21.0	24.5									
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	96.0	120.6									
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	138.0	175.2									
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	39.0	45.7									
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	23.0	35.0									
Subtotal (Section NET-N5)						11906	211	31.0		84.1	317.0	401.1		3965.0	124360	323.9	1.54	498.5	1180.0	1678.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	136.0	176.4									
Subtotal (Section NET-N6)						6138	125	16.0		40.4	136.0	176.4		4090.0	130498	339.8	1.53	518.6	1316.0	1834.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	16.0	18.6									
Subtotal (Section NET-N7)						309	15	0.8		2.6	16.0	18.6		4105.0	130807	340.6	1.53	519.7	1332.0	1851.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	429.1	648.8	11,581	
Total Macaulay													5344.0	176673	460.1	1.45	666.1	1761.1	2427.2	45,192	

NWT-N Estimated Wastewater Flows
Year = 2005, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	333.0	616.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	333.0	616.6	2383.0	62582	163.0	1.74	283.6	333.0	616.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	148.0	289.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	148.0	289.2	3047.0	89418	232.9	1.63	380.1	481.0	861.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	369.0	438.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	16.0	24.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	34.0	42.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	419.0	505.4	3479.0	103095	268.5	1.59	427.2	900.0	1327.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	22.0	26.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	124.0	179.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	146.0	205.7	3754.0	112455	292.9	1.57	458.9	1046.0	1504.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	30.0	33.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	124.0	148.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	165.0	202.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	56.0	62.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	29.0	41.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	404.0	488.1	3965.0	124360	323.9	1.54	498.5	1450.0	1948.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	171.0	211.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	171.0	211.4	4090.0	130498	339.8	1.53	518.6	1621.0	2139.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	21.0	23.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	21.0	23.6	4105.0	130807	340.6	1.53	519.7	1642.0	2161.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	504.3	724.0	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	2146.3	2812.3	45,192

NWT-N Estimated Wastewater Flows
Year = 2005, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	355.0	638.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	355.0	638.6	2383.0	62582	163.0	1.74	283.6	355.0	638.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	161.0	302.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	161.0	302.2	3047.0	89418	232.9	1.63	380.1	516.0	896.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	420.0	489.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	19.0	27.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	39.0	47.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	478.0	564.4	3479.0	103095	268.5	1.59	427.2	994.0	1421.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	24.0	28.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	137.0	192.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	161.0	220.7	3754.0	112455	292.9	1.57	458.9	1155.0	1813.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	37.0	40.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	141.0	165.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	180.0	217.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	69.0	75.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	33.0	45.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	460.0	544.1	3965.0	124360	323.9	1.54	498.5	1815.0	2113.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	193.0	233.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	193.0	233.4	4090.0	130498	339.8	1.53	518.6	1808.0	2326.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	23.0	25.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	23.0	25.6	4105.0	130807	340.6	1.53	519.7	1831.0	2350.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	551.4	771.2	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	2382.4	3048.5	45,192

NWT-N Estimated Wastewater Flows
Year = 2005, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	383.0	666.6									
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	383.0	666.6		2383.0	62582	163.0	1.74	283.6	383.0	666.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	178.0	319.2									
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	178.0	319.2		3047.0	89418	232.9	1.63	380.1	561.0	941.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	486.0	555.5									
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	22.0	30.6									
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	45.0	53.4									
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	553.0	639.4		3479.0	103095	268.5	1.59	427.2	1114.0	1541.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	26.0	30.2									
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	152.0	207.5									
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	178.0	237.7		3754.0	112455	292.9	1.57	458.9	1292.0	1750.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	46.0	49.5									
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	164.0	188.6									
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	199.0	236.2									
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	86.0	92.7									
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	38.0	50.0									
Subtotal (Section NET-N5)						11906	211	31.0		84.1	533.0	617.1		3965.0	124360	323.9	1.54	498.5	1825.0	2323.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	220.0	260.4									
Subtotal (Section NET-N6)						6138	125	16.0		40.4	220.0	260.4		4090.0	130498	339.8	1.53	518.6	2045.0	2563.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	26.0	28.6									
Subtotal (Section NET-N7)						309	15	0.8		2.6	26.0	28.6		4105.0	130807	340.6	1.53	519.7	2071.0	2590.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	623.0	842.8	11,581	
Total Macaulay													5344.0	176673	460.1	1.45	666.1	2694.0	3360.1	45,192	

NWT-N Estimated Wastewater Flows
Year = 2005, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m³/d)
Saanich	Marigold		225	54039	8543	62582	2383.0	163.0	1.74	283.6	420.0	703.6								
Subtotal (Section NWT-N1)						62582	2383.0	163.0		283.6	420.0	703.6	2383.0	62582	163.0	1.74	283.6	420.0	703.6	16,507
Saanich	City Boundary		225	19002	7833	26835	664.0	69.9	2.02	141.2	200.0	341.2								
Subtotal (Section NWT-N2)						26835	664.0	69.9		141.2	200.0	341.2	3047.0	89418	232.9	1.63	380.1	620.0	1000.1	23,221
Saan/Vic	Cecelia		225	5356	6167	11523	380	30.01	2.31	69.46	581.0	650.5								
Victoria	Chapman		225	797	290	1087	17	2.83	3.02	8.55	26.0	34.6								
Victoria	Gorge		225	1029	38	1067	35	2.78	3.03	8.41	54.0	62.4								
Subtotal (Section NWT-N3)						13678	432.0	35.62		86.42	661.0	747.4	3479.0	103095	268.5	1.59	427.2	1281.0	1708.2	26,738
Victoria	Selkirk		225	506	0	506	14.0	1.3	3.18	4.2	30.0	34.2								
Saanich	Harriet		225	8236	618	8854	261.0	23.1	2.41	55.5	174.0	229.5								
Subtotal (Section NWT-N4)						9359	275.0	24.37		59.7	204.0	263.7	3754.0	112455	292.9	1.57	458.9	1485.0	1943.9	29,124
Victoria	Langford		225	409	8	417	9	1.1	3.21	3.5	61.0	64.5								
Victoria	Hereward		225	3382	106	3488	64	9.1	2.71	24.6	196.0	220.6								
Esquimalt	Devonshire		225	4503	1082	5585	106	14.5	2.56	37.2	225.0	262.2								
Esquimalt	Wilson		225	645	196	841	17	2.2	3.08	6.7	115.0	121.7								
Victoria	Sea Terrace		225	1470	106	1576	15	4.1	2.93	12.0	46.0	58.0								
Subtotal (Section NET-N5)						11906	211	31.0		84.1	643.0	727.1	3965.0	124360	323.9	1.54	498.5	2128.0	2626.5	32,017
Esquimalt	Head		225	5018	1120	6138	125	16.0	2.53	40.4	259.0	299.4								
Subtotal (Section NET-N6)						6138	125	16.0		40.4	259.0	299.4	4090.0	130498	339.8	1.53	518.6	2387.0	2905.6	33,526
Esquimalt	Anson		225	309	0	309	15	0.8	3.26	2.6	31.0	33.6								
Subtotal (Section NET-N7)						309	15	0.8		2.6	31.0	33.6	4105.0	130807	340.6	1.53	519.7	2418.0	2937.7	33,610
Subtotal (NWT-W)													1239.0	45866	119.4	1.84	219.7	714.2	934.0	11,581
Total Macaulay													5344.0	176673	460.1	1.45	666.1	3132.2	3798.3	45,192

NWT-N Estimated Wastewater Flows
Year = 2015, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		223	57695	9620	67315	2383.0	173.7	1.72	298.4	293.0	591.4								
Subtotal (Section NWT-N1)						67315	2383.0	173.7		298.4	293.0	591.4	2383.0	67315	173.7	1.72	298.4	293.0	591.4	17,437
Saanich	City Boundary		223	20288	8821	29109	664.0	75.1	1.99	149.7	125.0	274.7								
Subtotal (Section NWT-N2)						29109	664.0	75.1		149.7	125.0	274.7	3047.0	96424	248.9	1.61	400.8	418.0	818.8	24,604
Saan/Vic	Cecelia		223	6617	7381	13998	380	36.13	2.25	81.17	286.0	367.2								
Victoria	Chapman		223	985	347	1332	17	3.44	2.97	10.22	13.0	23.2								
Victoria	Gorge		223	1271	46	1317	35	3.40	2.98	10.12	26.0	36.1								
Subtotal (Section NWT-N3)						16648	432.0	42.97		101.51	325.0	426.5	3479.0	113072	291.8	1.57	456.8	743.0	1199.8	28,757
Victoria	Selkirk		223	626	0	626	14.0	1.6	3.14	5.1	18.0	23.1								
Saanich	Harriet		223	8792	696	9488	261.0	24.5	2.38	58.3	102.0	160.3								
Subtotal (Section NWT-N4)						10114	275.0	26.10		63.4	120.0	183.4	3754.0	123186	317.9	1.54	490.2	863.0	1353.2	31,292
Victoria	Langford		223	505	9	514	9	1.3	3.17	4.2	21.0	25.2								
Victoria	Hereward		223	4178	127	4305	64	11.1	2.64	29.4	96.0	125.4								
Esquimalt	Devonshire		223	4666	1144	5810	106	15.0	2.55	38.2	138.0	176.2								
Esquimalt	Wilson		223	668	208	876	17	2.3	3.07	6.9	39.0	45.9								
Victoria	Sea Terrace		223	1816	127	1943	15	5.0	2.88	14.4	23.0	37.4								
Subtotal (Section NET-N5)						13447	211	34.7		93.1	317.0	410.1	3965.0	136633	352.7	1.51	533.9	1180.0	1713.9	34,506
Esquimalt	Head		223	5200	1184	6384	125	16.5	2.52	41.5	136.0	177.5								
Subtotal (Section NET-N6)						6384	125	16.5		41.5	136.0	177.5	4090.0	143017	369.1	1.50	554.4	1316.0	1870.4	36,056
Esquimalt	Anson		223	320	0	320	15	0.8	3.25	2.7	16.0	18.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	16.0	18.7	4105.0	143336	370.0	1.50	555.4	1332.0	1887.4	36,143
Subtotal (NWT-W)													2025.0	82113	211.9	1.66	351.3	542.0	893.3	20,373
Total Macaulay													6130.0	225450	581.9	1.39	808.3	1874.0	2682.3	56,516

NWT-N Estimated Wastewater Flows
Year = 2015, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		223	57695	9620	67315	2383.0	173.7	1.72	298.4	333.0	631.4								
Subtotal (Section NWT-N1)						67315	2383.0	173.7		298.4	333.0	631.4	2383.0	67315	173.7	1.72	298.4	333.0	631.4	17,437
Saanich	City Boundary		223	20288	8821	29109	664.0	75.1	1.99	149.7	148.0	297.7								
Subtotal (Section NWT-N2)						29109	664.0	75.1		149.7	148.0	297.7	3047.0	96424	248.9	1.61	400.8	481.0	881.8	24,604
Saan/Vic	Cecelia		223	6617	7381	13998	380	36.13	2.25	81.17	369.0	450.2								
Victoria	Chapman		223	985	347	1332	17	3.44	2.97	10.22	16.0	26.2								
Victoria	Gorge		223	1271	46	1317	35	3.40	2.98	10.12	34.0	44.1								
Subtotal (Section NWT-N3)						16648	432.0	42.97		101.51	419.0	520.5	3479.0	113072	291.8	1.57	456.8	900.0	1356.8	28,757
Victoria	Selkirk		223	626	0	626	14.0	1.6	3.14	5.1	22.0	27.1								
Saanich	Harriet		223	8792	696	9488	261.0	24.5	2.38	58.3	124.0	182.3								
Subtotal (Section NWT-N4)						10114	275.0	26.10		63.4	146.0	209.4	3754.0	123186	317.9	1.54	490.2	1046.0	1536.2	31,292
Victoria	Langford		223	505	9	514	9	1.3	3.17	4.2	30.0	34.2								
Victoria	Hereward		223	4178	127	4305	64	11.1	2.64	29.4	124.0	153.4								
Esquimalt	Devonshire		223	4666	1144	5810	106	15.0	2.55	38.2	165.0	203.2								
Esquimalt	Wilson		223	668	208	876	17	2.3	3.07	6.9	56.0	62.9								
Victoria	Sea Terrace		223	1816	127	1943	15	5.0	2.88	14.4	29.0	43.4								
Subtotal (Section NET-N5)						13447	211	34.7		93.1	404.0	497.1	3965.0	136633	352.7	1.51	533.9	1450.0	1983.9	34,506
Esquimalt	Head		223	5200	1184	6384	125	16.5	2.52	41.5	171.0	212.5								
Subtotal (Section NET-N6)						6384	125	16.5		41.5	171.0	212.5	4090.0	143017	369.1	1.50	554.4	1621.0	2175.4	36,056
Esquimalt	Anson		223	320	0	320	15	0.8	3.25	2.7	21.0	23.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	21.0	23.7	4105.0	143336	370.0	1.50	555.4	1642.0	2197.4	36,143
Subtotal (NWT-W)													2025.0	82113	211.9	1.66	351.3	627.3	978.6	20,373
Total Macaulay													6130.0	225450	581.9	1.39	808.3	2269.3	3077.5	56,516

NWT-N Estimated Wastewater Flows
Year = 2015, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		223	57695	9620	67315	2383.0	173.7	1.72	298.4	355.0	653.4								
Subtotal (Section NWT-N1)						67315	2383.0	173.7		298.4	355.0	653.4	2383.0	67315	173.7	1.72	298.4	355.0	653.4	17,437
Saanich	City Boundary		223	20288	8821	29109	664.0	75.1	1.99	149.7	161.0	310.7								
Subtotal (Section NWT-N2)						29109	664.0	75.1		149.7	161.0	310.7	3047.0	96424	248.9	1.61	400.8	516.0	916.8	24,604
Saan/Vic	Cecelia		223	6617	7381	13998	380	36.13	2.25	81.17	420.0	501.2								
Victoria	Chapman		223	985	347	1332	17	3.44	2.97	10.22	19.0	29.2								
Victoria	Gorge		223	1271	46	1317	35	3.40	2.98	10.12	39.0	49.1								
Subtotal (Section NWT-N3)						16648	432.0	42.97		101.51	478.0	579.5	3479.0	113072	291.8	1.57	456.8	994.0	1450.8	28,757
Victoria	Selkirk		223	626	0	626	14.0	1.6	3.14	5.1	24.0	29.1								
Saanich	Harriet		223	8792	696	9488	261.0	24.5	2.38	58.3	137.0	195.3								
Subtotal (Section NWT-N4)						10114	275.0	26.10		63.4	161.0	224.4	3754.0	123186	317.9	1.54	490.2	1155.0	1645.2	31,292
Victoria	Langford		223	505	9	514	9	1.3	3.17	4.2	37.0	41.2								
Victoria	Hereward		223	4178	127	4305	64	11.1	2.64	29.4	141.0	170.4								
Esquimalt	Devonshire		223	4666	1144	5810	106	15.0	2.55	38.2	180.0	218.2								
Esquimalt	Wilson		223	668	208	876	17	2.3	3.07	6.9	69.0	75.9								
Victoria	Sea Terrace		223	1816	127	1943	15	5.0	2.88	14.4	33.0	47.4								
Subtotal (Section NET-N5)						13447	211	34.7		93.1	460.0	553.1	3965.0	136633	352.7	1.51	533.9	1615.0	2148.9	34,506
Esquimalt	Head		223	5200	1184	6384	125	16.5	2.52	41.5	193.0	234.5								
Subtotal (Section NET-N6)						6384	125	16.5		41.5	193.0	234.5	4090.0	143017	369.1	1.50	554.4	1808.0	2362.4	36,056
Esquimalt	Anson		223	320	0	320	15	0.8	3.25	2.7	23.0	25.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	23.0	25.7	4105.0	143336	370.0	1.50	555.4	1831.0	2386.4	36,143
Subtotal (NWT-W)													2025.0	82113	211.9	1.66	351.3	684.5	1035.8	20,373
Total Macaulay													6130.0	225450	581.9	1.39	808.3	2515.5	3323.8	56,516

NWT-N Estimated Wastewater Flows
Year = 2015, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		223	57695	9620	67315	2383.0	173.7	1.72	298.4	383.0	681.4								
Subtotal (Section NWT-N1)						67315	2383.0	173.7		298.4	383.0	681.4	2383.0	67315	173.7	1.72	298.4	383.0	681.4	17,437
Saanich	City Boundary		223	20288	8821	29109	664.0	75.1	1.99	149.7	178.0	327.7								
Subtotal (Section NWT-N2)						29109	664.0	75.1		149.7	178.0	327.7	3047.0	96424	248.9	1.61	400.8	561.0	961.8	24,604
Saan/Vic	Cecelia		223	6617	7381	13998	380	36.13	2.25	81.17	486.0	567.2								
Victoria	Chapman		223	985	347	1332	17	3.44	2.97	10.22	22.0	32.2								
Victoria	Gorge		223	1271	46	1317	35	3.40	2.98	10.12	45.0	55.1								
Subtotal (Section NWT-N3)						16648	432.0	42.97		101.51	553.0	654.5	3479.0	113072	291.8	1.57	456.8	1114.0	1570.8	28,757
Victoria	Selkirk		223	626	0	626	14.0	1.6	3.14	5.1	26.0	31.1								
Saanich	Harriet		223	8792	696	9488	261.0	24.5	2.38	58.3	152.0	210.3								
Subtotal (Section NWT-N4)						10114	275.0	26.10		63.4	178.0	241.4	3754.0	123186	317.9	1.54	490.2	1292.0	1782.2	31,292
Victoria	Langford		223	505	9	514	9	1.3	3.17	4.2	46.0	50.2								
Victoria	Hereford		223	4178	127	4305	64	11.1	2.64	29.4	164.0	193.4								
Esquimalt	Devonshire		223	4666	1144	5810	106	15.0	2.55	38.2	199.0	237.2								
Esquimalt	Wilson		223	668	208	876	17	2.3	3.07	6.9	86.0	92.9								
Victoria	Sea Terrace		223	1816	127	1943	15	5.0	2.88	14.4	38.0	52.4								
Subtotal (Section NET-N5)						13447	211	34.7		93.1	533.0	626.1	3965.0	136633	352.7	1.51	533.9	1825.0	2358.9	34,506
Esquimalt	Head		223	5200	1184	6384	125	16.5	2.52	41.5	220.0	261.5								
Subtotal (Section NET-N6)						6384	125	16.5		41.5	220.0	261.5	4090.0	143017	369.1	1.50	554.4	2045.0	2599.4	36,056
Esquimalt	Anson		223	320	0	320	15	0.8	3.25	2.7	26.0	28.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	26.0	28.7	4105.0	143336	370.0	1.50	555.4	2071.0	2626.4	36,143
Subtotal (NWT-W)													2025.0	82113	211.9	1.66	351.3	761.2	1112.5	20,373
Total Macaulay													6130.0	225450	581.9	1.39	808.3	2832.2	3640.4	56,516

NWT-N Estimated Wastewater Flows
Year = 2015, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		223	57695	9620	67315	2383.0	173.7	1.72	298.4	420.0	718.4								
Subtotal (Section NWT-N1)						67315	2383.0	173.7		298.4	420.0	718.4	2383.0	67315	173.7	1.72	298.4	420.0	718.4	17,437
Saanich	City Boundary		223	20288	8821	29109	664.0	75.1	1.99	149.7	200.0	349.7								
Subtotal (Section NWT-N2)						29109	664.0	75.1		149.7	200.0	349.7	3047.0	96424	248.9	1.61	400.8	620.0	1020.8	24,604
Saan/Vic	Cecelia		223	6617	7381	13998	380	36.13	2.25	81.17	581.0	662.2								
Victoria	Chapman		223	985	347	1332	17	3.44	2.97	10.22	26.0	36.2								
Victoria	Gorge		223	1271	46	1317	35	3.40	2.98	10.12	54.0	64.1								
Subtotal (Section NWT-N3)						16648	432.0	42.97		101.51	661.0	762.5	3479.0	113072	291.8	1.57	456.8	1281.0	1737.8	28,757
Victoria	Selkirk		223	626	0	626	14.0	1.6	3.14	5.1	30.0	35.1								
Saanich	Harriet		223	8792	696	9488	261.0	24.5	2.38	58.3	174.0	232.3								
Subtotal (Section NWT-N4)						10114	275.0	26.10		63.4	204.0	267.4	3754.0	123186	317.9	1.54	490.2	1485.0	1975.2	31,292
Victoria	Langford		223	505	9	514	9	1.3	3.17	4.2	61.0	65.2								
Victoria	Hereford		223	4178	127	4305	64	11.1	2.64	29.4	196.0	225.4								
Esquimalt	Devonshire		223	4666	1144	5810	106	15.0	2.55	38.2	225.0	263.2								
Esquimalt	Wilson		223	668	208	876	17	2.3	3.07	6.9	115.0	121.9								
Victoria	Sea Terrace		223	1816	127	1943	15	5.0	2.88	14.4	46.0	60.4								
Subtotal (Section NET-N5)						13447	211	34.7		93.1	643.0	736.1	3965.0	136633	352.7	1.51	533.9	2128.0	2661.9	34,506
Esquimalt	Head		223	5200	1184	6384	125	16.5	2.52	41.5	259.0	300.5								
Subtotal (Section NET-N6)						6384	125	16.5		41.5	259.0	300.5	4090.0	143017	369.1	1.50	554.4	2387.0	2941.4	36,056
Esquimalt	Anson		223	320	0	320	15	0.8	3.25	2.7	31.0	33.7								
Subtotal (Section NET-N7)						320	15	0.8		2.7	31.0	33.7	4105.0	143336	370.0	1.50	555.4	2418.0	2973.4	36,143
Subtotal (NWT-W)													2025.0	82113	211.9	1.66	351.3	862.4	1213.7	20,373
Total Macaulay													6130.0	225450	581.9	1.39	808.3	3280.4	4088.7	56,516

NWT-N Estimated Wastewater Flows
Year = 2030, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		193	61956	11194	73149	2383.0	163.4	1.69	276.5	293.0	569.5								
Subtotal (Section NWT-N1)						73149	2383.0	163.4		276.5	293.0	569.5	2383.0	73149	163.4	1.69	276.5	293.0	569.5	16,544
Saanich	City Boundary		193	21786	10264	32050	664.0	71.6	1.96	140.3	125.0	265.3								
Subtotal (Section NWT-N2)						32050	664.0	71.6		140.3	125.0	265.3	3047.0	105199	235.0	1.59	372.6	418.0	790.6	23,405
Saan/Vic	Cecelia		193	6803	8170	14973	380	33.45	2.22	74.36	286.0	360.4								
Victoria	Chapman		193	1197	384	1581	17	3.53	2.93	10.35	13.0	23.3								
Victoria	Gorge		193	1544	51	1594	35	3.56	2.93	10.43	26.0	36.4								
Subtotal (Section NWT-N3)						18148	432.0	40.54		95.13	325.0	420.1	3479.0	123347	275.5	1.54	424.7	743.0	1167.7	27,348
Victoria	Selkirk		193	760	0	760	14.0	1.7	3.10	5.3	18.0	23.3								
Saanich	Harriet		193	9442	810	10251	261.0	22.9	2.36	53.9	102.0	155.9								
Subtotal (Section NWT-N4)						11011	275.0	24.60		59.2	120.0	179.2	3754.0	134358	300.1	1.52	455.7	863.0	1318.7	29,753
Victoria	Langford		193	613	10	623	9	1.4	3.14	4.4	21.0	25.4								
Victoria	Hereward		193	5072	141	5213	64	11.6	2.58	30.1	96.0	126.1								
Esquimalt	Devonshire		193	4212	1189	5401	106	12.1	2.57	31.0	138.0	169.0								
Esquimalt	Wilson		193	603	217	819	17	1.8	3.08	5.6	39.0	44.6								
Victoria	Sea Terrace		193	2205	141	2345	15	5.2	2.82	14.8	23.0	37.8								
Subtotal (Section NET-N5)						14402	211	32.2		85.9	317.0	402.9	3985.0	148760	332.3	1.49	495.6	1180.0	1675.6	32,747
Esquimalt	Head		193	4694	1231	5925	125	13.2	2.54	33.6	136.0	169.6								
Subtotal (Section NET-N6)						5925	125	13.2		33.6	136.0	169.6	4090.0	154685	345.5	1.48	511.9	1316.0	1827.9	34,018
Esquimalt	Anson		193	288	0	288	15	0.6	3.27	2.1	16.0	18.1								
Subtotal (Section NET-N7)						288	15	0.6		2.1	16.0	18.1	4105.0	154973	346.2	1.48	512.7	1332.0	1844.7	34,089
Subtotal (NWT-W)													3164.0	146488	327.2	1.50	489.4	705.7	1195.1	31,493
Total Macaulay													7269.0	301462	673.4	1.32	891.8	2037.7	2929.5	65,582

NWT-N Estimated Wastewater Flows
Year = 2030, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Saanich	Marigold		193	61956	11194	73149	2383.0	163.4	1.69	276.5	333.0	609.5									
Subtotal (Section NWT-N1)						73149	2383.0	163.4		276.5	333.0	609.5		2383.0	73149	163.4	1.69	276.5	333.0	609.5	16,544
Saanich	City Boundary		193	21786	10264	32050	664.0	71.6	1.96	140.3	148.0	288.3									
Subtotal (Section NWT-N2)						32050	664.0	71.6		140.3	148.0	288.3		3047.0	105199	235.0	1.59	372.6	481.0	853.6	23,405
Saan/Vic	Cecelia		193	6803	8170	14973	380	33.45	2.22	74.36	369.0	443.4									
Victoria	Chapman		193	1197	384	1581	17	3.53	2.93	10.35	16.0	26.3									
Victoria	Gorge		193	1544	51	1594	35	3.56	2.93	10.43	34.0	44.4									
Subtotal (Section NWT-N3)						18148	432.0	40.54		95.13	419.0	514.1		3479.0	123347	275.5	1.54	424.7	900.0	1324.7	27,348
Victoria	Selkirk		193	760	0	760	14.0	1.7	3.10	5.3	22.0	27.3									
Saanich	Harriet		193	9442	810	10251	261.0	22.9	2.36	53.9	124.0	177.9									
Subtotal (Section NWT-N4)						11011	275.0	24.60		59.2	146.0	205.2		3754.0	134358	300.1	1.52	455.7	1046.0	1501.7	29,753
Victoria	Langford		193	613	10	623	9	1.4	3.14	4.4	30.0	34.4									
Victoria	Hereward		193	5072	141	5213	64	11.6	2.58	30.1	124.0	154.1									
Esquimalt	Devonshire		193	4212	1189	5401	106	12.1	2.57	31.0	165.0	196.0									
Esquimalt	Wilson		193	603	217	819	17	1.8	3.08	5.6	56.0	61.6									
Victoria	Sea Terrace		193	2205	141	2345	15	5.2	2.82	14.8	29.0	43.8									
Subtotal (Section NET-N5)						14402	211	32.2		85.9	404.0	489.9		3985.0	148760	332.3	1.49	495.6	1450.0	1945.6	32,747
Esquimalt	Head		193	4694	1231	5925	125	13.2	2.54	33.6	171.0	204.6									
Subtotal (Section NET-N6)						5925	125	13.2		33.6	171.0	204.6		4090.0	154685	345.5	1.48	511.9	1621.0	2132.9	34,018
Esquimalt	Anson		193	288	0	288	15	0.6	3.27	2.1	21.0	23.1									
Subtotal (Section NET-N7)						288	15	0.6		2.1	21.0	23.1		4105.0	154973	346.2	1.48	512.7	1642.0	2154.7	34,089
Subtotal (NWT-W)													3164.0	146488	307.6	1.50	460.0	805.6	1265.6	29,797	
Total Macaulay													7269.0	301462	653.8	1.32	865.8	2447.6	3313.3	63,886	

NWT-N Estimated Wastewater Flows
Year = 2030, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		193	61956	11194	73149	2383.0	163.4	1.69	276.5	355.0	631.5								
Subtotal (Section NWT-N1)						73149	2383.0	163.4		276.5	355.0	631.5	2383.0	73149	163.4	1.69	276.5	355.0	631.5	16,544
Saanich	City Boundary		193	21786	10264	32050	664.0	71.6	1.96	140.3	161.0	301.3								
Subtotal (Section NWT-N2)						32050	664.0	71.6		140.3	161.0	301.3	3047.0	105199	235.0	1.59	372.6	516.0	888.6	23,405
Saan/Vic	Cecelia		193	6803	8170	14973	380	33.45	2.22	74.36	420.0	494.4								
Victoria	Chapman		193	1197	384	1581	17	3.53	2.93	10.35	19.0	29.3								
Victoria	Gorge		193	1544	51	1594	35	3.56	2.93	10.43	39.0	49.4								
Subtotal (Section NWT-N3)						18148	432.0	40.54		95.13	478.0	573.1	3479.0	123347	275.5	1.54	424.7	994.0	1418.7	27,348
Victoria	Selkirk		193	760	0	760	14.0	1.7	3.10	5.3	24.0	29.3								
Saanich	Harriet		193	9442	810	10251	261.0	22.9	2.36	53.9	137.0	190.9								
Subtotal (Section NWT-N4)						11011	275.0	24.60		59.2	161.0	220.2	3754.0	134358	300.1	1.52	455.7	1155.0	1810.7	29,753
Victoria	Langford		193	613	10	623	9	1.4	3.14	4.4	37.0	41.4								
Victoria	Hereward		193	5072	141	5213	64	11.6	2.58	30.1	141.0	171.1								
Esquimalt	Devonshire		193	4212	1189	5401	106	12.1	2.57	31.0	180.0	211.0								
Esquimalt	Wilson		193	603	217	819	17	1.8	3.08	5.6	69.0	74.6								
Victoria	Sea Terrace		193	2205	141	2345	15	5.2	2.82	14.8	33.0	47.8								
Subtotal (Section NET-N5)						14402	211	32.2		85.9	460.0	545.9	3985.0	148760	332.3	1.49	495.6	1815.0	2110.6	32,747
Esquimalt	Head		193	4694	1231	5925	125	13.2	2.54	33.6	193.0	226.6								
Subtotal (Section NET-N6)						5925	125	13.2		33.6	193.0	226.6	4090.0	154685	345.5	1.48	511.9	1808.0	2319.9	34,018
Esquimalt	Anson		193	288	0	288	15	0.6	3.27	2.1	23.0	25.1								
Subtotal (Section NET-N7)						288	15	0.6		2.1	23.0	25.1	4105.0	154973	346.2	1.48	512.7	1831.0	2343.7	34,089
Subtotal (NWT-W)													3164.0	146488	307.6	1.50	460.0	877.4	1337.4	29,797
Total Macaulay													7269.0	301462	653.8	1.32	865.8	2708.4	3574.2	63,886

NWT-N Estimated Wastewater Flows
Year = 2030, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		193	61956	11194	73149	2383.0	163.4	1.69	276.5	383.0	659.5								
Subtotal (Section NWT-N1)						73149	2383.0	163.4		276.5	383.0	659.5	2383.0	73149	163.4	1.69	276.5	383.0	659.5	16,544
Saanich	City Boundary		193	21786	10264	32050	664.0	71.6	1.96	140.3	178.0	318.3								
Subtotal (Section NWT-N2)						32050	664.0	71.6		140.3	178.0	318.3	3047.0	105199	235.0	1.59	372.6	561.0	933.6	23,405
Saan/Vic	Cecelia		193	6803	8170	14973	380	33.45	2.22	74.36	486.0	560.4								
Victoria	Chapman		193	1197	384	1581	17	3.53	2.93	10.35	22.0	32.3								
Victoria	Gorge		193	1544	51	1594	35	3.56	2.93	10.43	45.0	55.4								
Subtotal (Section NWT-N3)						18148	432.0	40.54		95.13	553.0	648.1	3479.0	123347	275.5	1.54	424.7	1114.0	1538.7	27,348
Victoria	Selkirk		193	760	0	760	14.0	1.7	3.10	5.3	26.0	31.3								
Saanich	Harriet		193	9442	810	10251	261.0	22.9	2.36	53.9	152.0	205.9								
Subtotal (Section NWT-N4)						11011	275.0	24.60		59.2	178.0	237.2	3754.0	134358	300.1	1.52	455.7	1292.0	1747.7	29,753
Victoria	Langford		193	613	10	623	9	1.4	3.14	4.4	46.0	50.4								
Victoria	Hereward		193	5072	141	5213	64	11.6	2.58	30.1	164.0	194.1								
Esquimalt	Devonshire		193	4212	1189	5401	106	12.1	2.57	31.0	199.0	230.0								
Esquimalt	Wilson		193	603	217	819	17	1.8	3.08	5.6	86.0	91.6								
Victoria	Sea Terrace		193	2205	141	2345	15	5.2	2.82	14.8	38.0	52.8								
Subtotal (Section NET-N5)						14402	211	32.2		85.9	533.0	618.9	3985.0	148760	332.3	1.49	495.6	1825.0	2320.6	32,747
Esquimalt	Head		193	4694	1231	5925	125	13.2	2.54	33.6	220.0	253.6								
Subtotal (Section NET-N6)						5925	125	13.2		33.6	220.0	253.6	4090.0	154685	345.5	1.48	511.9	2045.0	2556.9	34,018
Esquimalt	Anson		193	288	0	288	15	0.6	3.27	2.1	26.0	28.1								
Subtotal (Section NET-N7)						288	15	0.6		2.1	26.0	28.1	4105.0	154973	346.2	1.48	512.7	2071.0	2583.7	34,089
Subtotal (NWT-W)													3164.0	146488	307.6	1.50	460.0	961.4	1421.4	29,797
Total Macaulay													7269.0	301462	653.8	1.32	865.8	3032.4	3898.1	63,886

NWT-N Estimated Wastewater Flows
Year = 2030, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		193	61956	11194	73149	2383.0	163.4	1.69	276.5	420.0	696.5								
Subtotal (Section NWT-N1)						73149	2383.0	163.4		276.5	420.0	696.5	2383.0	73149	163.4	1.69	276.5	420.0	696.5	16,544
Saanich	City Boundary		193	21786	10264	32050	664.0	71.6	1.96	140.3	200.0	340.3								
Subtotal (Section NWT-N2)						32050	664.0	71.6		140.3	200.0	340.3	3047.0	105199	235.0	1.59	372.6	620.0	992.6	23,405
Saan/Vic	Cecelia		193	6803	8170	14973	380	33.45	2.22	74.36	581.0	655.4								
Victoria	Chapman		193	1197	384	1581	17	3.53	2.93	10.35	26.0	36.3								
Victoria	Gorge		193	1544	51	1594	35	3.56	2.93	10.43	54.0	64.4								
Subtotal (Section NWT-N3)						18148	432.0	40.54		95.13	661.0	756.1	3479.0	123347	275.5	1.54	424.7	1281.0	1705.7	27,348
Victoria	Selkirk		193	760	0	760	14.0	1.7	3.10	5.3	30.0	35.3								
Saanich	Harriet		193	9442	810	10251	261.0	22.9	2.36	53.9	174.0	227.9								
Subtotal (Section NWT-N4)						11011	275.0	24.60		59.2	204.0	263.2	3754.0	134358	300.1	1.52	455.7	1485.0	1940.7	29,753
Victoria	Langford		193	613	10	623	9	1.4	3.14	4.4	61.0	65.4								
Victoria	Hereward		193	5072	141	5213	64	11.6	2.58	30.1	196.0	226.1								
Esquimalt	Devonshire		193	4212	1189	5401	106	12.1	2.57	31.0	225.0	256.0								
Esquimalt	Wilson		193	603	217	819	17	1.8	3.08	5.6	115.0	120.6								
Victoria	Sea Terrace		193	2205	141	2345	15	5.2	2.82	14.8	46.0	60.8								
Subtotal (Section NET-N5)						14402	211	32.2		85.9	643.0	728.9	3985.0	148760	332.3	1.49	495.6	2128.0	2823.6	32,747
Esquimalt	Head		193	4694	1231	5925	125	13.2	2.54	33.6	259.0	292.6								
Subtotal (Section NET-N6)						5925	125	13.2		33.6	259.0	292.6	4090.0	154685	345.5	1.48	511.9	2387.0	2898.9	34,018
Esquimalt	Anson		193	288	0	288	15	0.6	3.27	2.1	31.0	33.1								
Subtotal (Section NET-N7)						288	15	0.6		2.1	31.0	33.1	4105.0	154973	346.2	1.48	512.7	2418.0	2930.7	34,089
Subtotal (NWT-W)													3164.0	146488	307.6	1.50	460.0	1077.2	1537.2	29,797
Total Macaulay													7269.0	301462	653.8	1.32	865.8	3495.2	4361.0	63,886

NWT-N Estimated Wastewater Flows
Year = 2045, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)
Saanich	Marigold		173	66216	12767	78983	2383.0	158.1	1.67	264.0	293.0	557.0								
Subtotal (Section NWT-N1)						78983	2383.0	158.1		264.0	293.0	557.0	2383.0	78983	158.1	1.67	264.0	293.0	557.0	16,090
Saanich	City Boundary		173	23284	11707	34991	664.0	70.1	1.93	135.2	125.0	260.2								
Subtotal (Section NWT-N2)						34991	664.0	70.1		135.2	125.0	260.2	3047.0	113974	228.2	1.56	356.7	418.0	774.7	22,819
Saan/Vic	Cecelia		173	6135	8958	15093	380	30.22	2.22	67.10	286.0	353.1								
Victoria	Chapman		173	1259	420	1679	17	3.36	2.91	9.80	13.0	22.8								
Victoria	Gorge		173	1622	55	1677	35	3.36	2.92	9.79	26.0	35.8								
Subtotal (Section NWT-N3)						18449	432.0	36.94		86.69	325.0	411.7	3479.0	132423	265.2	1.52	403.6	743.0	1146.6	26,451
Victoria	Selkirk		173	798	0	798	14.0	1.6	3.09	4.9	18.0	22.9								
Saanich	Harriet		173	10091	923	11014	261.0	22.1	2.33	51.4	102.0	153.4								
Subtotal (Section NWT-N4)						11813	275.0	23.65		56.3	120.0	176.3	3754.0	144236	288.8	1.50	433.1	863.0	1296.1	28,774
Victoria	Langford		173	644	11	655	9	1.3	3.13	4.1	21.0	25.1								
Victoria	Hereward		173	5330	154	5484	64	11.0	2.57	28.2	96.0	124.2								
Esquimalt	Devonshire		173	4896	1234	6130	106	12.3	2.53	31.0	138.0	169.0								
Esquimalt	Wilson		173	701	225	926	17	1.9	3.06	5.7	39.0	44.7								
Victoria	Sea Terrace		173	2317	154	2471	15	4.9	2.81	13.9	23.0	36.9								
Subtotal (Section NET-N5)						15666	211	31.4		82.9	317.0	399.9	3965.0	159902	320.2	1.47	471.6	1180.0	1651.6	31,699
Esquimalt	Head		173	5457	1278	6735	125	13.5	2.50	33.7	136.0	169.7								
Subtotal (Section NET-N6)						6735	125	13.5		33.7	136.0	169.7	4090.0	166636	333.7	1.46	487.9	1316.0	1803.9	32,992
Esquimalt	Anson		173	335	0	335	15	0.7	3.25	2.2	16.0	18.2								
Subtotal (Section NET-N7)						335	15	0.7		2.2	16.0	18.2	4105.0	166972	334.3	1.46	488.7	1332.0	1820.7	33,065
Subtotal (NWT-W)													3784.0	193767	388.0	1.42	552.9	794.8	1347.7	37,374
Total Macaulay													7889.0	360738	722.3	1.29	929.7	2126.8	3056.5	70,439

NWT-N Estimated Wastewater Flows
Year = 2045, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		173	66216	12767	78983	2383.0	158.1	1.67	264.0	333.0	597.0								
Subtotal (Section NWT-N1)						78983	2383.0	158.1		264.0	333.0	597.0	2383.0	78983	158.1	1.67	264.0	333.0	597.0	16,090
Saanich	City Boundary		173	23284	11707	34991	664.0	70.1	1.93	135.2	148.0	283.2								
Subtotal (Section NWT-N2)						34991	664.0	70.1		135.2	148.0	283.2	3047.0	113974	228.2	1.56	356.7	481.0	837.7	22,819
Saan/Vic	Cecelia		173	6135	8958	15093	380	30.22	2.22	67.10	369.0	436.1								
Victoria	Chapman		173	1259	420	1679	17	3.36	2.91	9.80	16.0	25.8								
Victoria	Gorge		173	1622	55	1677	35	3.36	2.92	9.79	34.0	43.8								
Subtotal (Section NWT-N3)						18449	432.0	36.94		86.69	419.0	505.7	3479.0	132423	265.2	1.52	403.6	900.0	1303.6	26,451
Victoria	Selkirk		173	798	0	798	14.0	1.6	3.09	4.9	22.0	26.9								
Saanich	Harriet		173	10091	923	11014	261.0	22.1	2.33	51.4	124.0	175.4								
Subtotal (Section NWT-N4)						11813	275.0	23.65		56.3	146.0	202.3	3754.0	144236	288.8	1.50	433.1	1046.0	1479.1	28,774
Victoria	Langford		173	644	11	655	9	1.3	3.13	4.1	30.0	34.1								
Victoria	Hereward		173	5330	154	5484	64	11.0	2.57	28.2	124.0	152.2								
Esquimalt	Devonshire		173	4896	1234	6130	106	12.3	2.53	31.0	165.0	196.0								
Esquimalt	Wilson		173	701	225	926	17	1.9	3.06	5.7	56.0	61.7								
Victoria	Sea Terrace		173	2317	154	2471	15	4.9	2.81	13.9	29.0	42.9								
Subtotal (Section NET-N5)						15666	211	31.4		82.9	404.0	486.9	3965.0	159902	320.2	1.47	471.6	1450.0	1921.6	31,699
Esquimalt	Head		173	5457	1278	6735	125	13.5	2.50	33.7	171.0	204.7								
Subtotal (Section NET-N6)						6735	125	13.5		33.7	171.0	204.7	4090.0	166636	333.7	1.46	487.9	1621.0	2108.9	32,992
Esquimalt	Anson		173	335	0	335	15	0.7	3.25	2.2	21.0	23.2								
Subtotal (Section NET-N7)						335	15	0.7		2.2	21.0	23.2	4105.0	166972	334.3	1.46	488.7	1642.0	2130.7	33,065
Subtotal (NWT-W)													3784.0	193767	388.0	1.42	552.9	902.6	1455.5	37,374
Total Macaulay													7889.0	360738	722.3	1.29	929.7	2544.6	3474.3	70,439

NWT-N Estimated Wastewater Flows
Year = 2045, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADFW (m ³ /d)		
Saanich	Marigold		173	66216	12767	78983	2383.0	158.1	1.67	264.0	355.0	619.0										
Subtotal (Section NWT-N1)						78983	2383.0	158.1		264.0	355.0	619.0		2383.0	78983		158.1	1.67	264.0	355.0	619.0	16,090
Saanich	City Boundary		173	23284	11707	34991	664.0	70.1	1.93	135.2	161.0	296.2										
Subtotal (Section NWT-N2)						34991	664.0	70.1		135.2	161.0	296.2		3047.0	113974		228.2	1.56	356.7	516.0	872.7	22,819
Saan/Vic	Cecelia		173	6135	8958	15093	380	30.22	2.22	67.10	420.0	487.1										
Victoria	Chapman		173	1259	420	1679	17	3.36	2.91	9.80	19.0	28.8										
Victoria	Gorge		173	1622	55	1677	35	3.36	2.92	9.79	39.0	48.8										
Subtotal (Section NWT-N3)						18449	432.0	36.94		86.69	478.0	564.7		3479.0	132423		265.2	1.52	403.6	994.0	1397.6	26,451
Victoria	Selkirk		173	798	0	798	14.0	1.6	3.09	4.9	24.0	28.9										
Saanich	Harriet		173	10091	923	11014	261.0	22.1	2.33	51.4	137.0	188.4										
Subtotal (Section NWT-N4)						11813	275.0	23.65		56.3	161.0	217.3		3754.0	144236		288.8	1.50	433.1	1155.0	1588.1	28,774
Victoria	Langford		173	644	11	655	9	1.3	3.13	4.1	37.0	41.1										
Victoria	Hereward		173	5330	154	5484	64	11.0	2.57	28.2	141.0	169.2										
Esquimalt	Devonshire		173	4896	1234	6130	106	12.3	2.53	31.0	180.0	211.0										
Esquimalt	Wilson		173	701	225	926	17	1.9	3.06	5.7	69.0	74.7										
Victoria	Sea Terrace		173	2317	154	2471	15	4.9	2.81	13.9	33.0	46.9										
Subtotal (Section NET-N5)						15666	211	31.4		82.9	460.0	542.9		3965.0	159902		320.2	1.47	471.6	1615.0	2086.6	31,699
Esquimalt	Head		173	5457	1278	6735	125	13.5	2.50	33.7	193.0	226.7										
Subtotal (Section NET-N6)						6735	125	13.5		33.7	193.0	226.7		4090.0	166636		333.7	1.46	487.9	1808.0	2295.9	32,992
Esquimalt	Anson		173	335	0	335	15	0.7	3.25	2.2	23.0	25.2										
Subtotal (Section NET-N7)						335	15	0.7		2.2	23.0	25.2		4105.0	166972		334.3	1.46	488.7	1831.0	2319.7	33,065
Subtotal (NWT-W)														3784.0	193767		388.0	1.42	552.9	982.4	1535.3	37,374
Total Macaulay														7889.0	360738		722.3	1.29	929.7	2813.4	3743.1	70,439

NWT-N Estimated Wastewater Flows
Year = 2045, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)	
Saanich	Marigold		173	66216	12767	78983	2383.0	158.1	1.67	264.0	383.0	647.0									
Subtotal (Section NWT-N1)						78983	2383.0	158.1		264.0	383.0	647.0		2383.0	78983	158.1	1.67	264.0	383.0	647.0	16,090
Saanich	City Boundary		173	23284	11707	34991	664.0	70.1	1.93	135.2	178.0	313.2									
Subtotal (Section NWT-N2)						34991	664.0	70.1		135.2	178.0	313.2		3047.0	113974	228.2	1.56	356.7	561.0	917.7	22,819
Saan/Vic	Cecelia		173	6135	8958	15093	380	30.22	2.22	67.10	486.0	553.1									
Victoria	Chapman		173	1259	420	1679	17	3.36	2.91	9.80	22.0	31.8									
Victoria	Gorge		173	1622	55	1677	35	3.36	2.92	9.79	45.0	54.8									
Subtotal (Section NWT-N3)						18449	432.0	36.94		86.69	553.0	639.7		3479.0	132423	265.2	1.52	403.6	1114.0	1517.6	26,451
Victoria	Selkirk		173	798	0	798	14.0	1.6	3.09	4.9	26.0	30.9									
Saanich	Harriet		173	10091	923	11014	261.0	22.1	2.33	51.4	152.0	203.4									
Subtotal (Section NWT-N4)						11813	275.0	23.65		56.3	178.0	234.3		3754.0	144236	288.8	1.50	433.1	1292.0	1725.1	28,774
Victoria	Langford		173	644	11	655	9	1.3	3.13	4.1	46.0	50.1									
Victoria	Hereward		173	5330	154	5484	64	11.0	2.57	28.2	164.0	192.2									
Esquimalt	Devonshire		173	4896	1234	6130	106	12.3	2.53	31.0	199.0	230.0									
Esquimalt	Wilson		173	701	225	926	17	1.9	3.06	5.7	86.0	91.7									
Victoria	Sea Terrace		173	2317	154	2471	15	4.9	2.81	13.9	38.0	51.9									
Subtotal (Section NET-N5)						15666	211	31.4		82.9	533.0	615.9		3965.0	159902	320.2	1.47	471.6	1825.0	2296.6	31,699
Esquimalt	Head		173	5457	1278	6735	125	13.5	2.50	33.7	220.0	253.7									
Subtotal (Section NET-N6)						6735	125	13.5		33.7	220.0	253.7		4090.0	166636	333.7	1.46	487.9	2045.0	2532.9	32,992
Esquimalt	Anson		173	335	0	335	15	0.7	3.25	2.2	26.0	28.2									
Subtotal (Section NET-N7)						335	15	0.7		2.2	26.0	28.2		4105.0	166972	334.3	1.46	488.7	2071.0	2559.7	33,065
Subtotal (NWT-W)													3784.0	193767	388.0	1.42	552.9	1070.3	1623.2	37,374	
Total Macaulay													7889.0	360738	722.3	1.29	929.7	3141.3	4071.0	70,439	

NWT-N Estimated Wastewater Flows
Year = 2045, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		173	66216	12767	78983	2383.0	158.1	1.67	264.0	420.0	684.0								
Subtotal (Section NWT-N1)						78983	2383.0	158.1		264.0	420.0	684.0	2383.0	78983	158.1	1.67	264.0	420.0	684.0	16,090
Saanich	City Boundary		173	23284	11707	34991	664.0	70.1	1.93	135.2	200.0	335.2								
Subtotal (Section NWT-N2)						34991	664.0	70.1		135.2	200.0	335.2	3047.0	113974	228.2	1.56	356.7	620.0	976.7	22,819
Saan/Vic	Cecelia		173	6135	8958	15093	380	30.22	2.22	67.10	581.0	648.1								
Victoria	Chapman		173	1259	420	1679	17	3.36	2.91	9.80	26.0	35.8								
Victoria	Gorge		173	1622	55	1677	35	3.36	2.92	9.79	54.0	63.8								
Subtotal (Section NWT-N3)						18449	432.0	36.94		86.69	661.0	747.7	3479.0	132423	265.2	1.52	403.6	1281.0	1684.6	26,451
Victoria	Selkirk		173	798	0	798	14.0	1.6	3.09	4.9	30.0	34.9								
Saanich	Harriet		173	10091	923	11014	261.0	22.1	2.33	51.4	174.0	225.4								
Subtotal (Section NWT-N4)						11813	275.0	23.65		56.3	204.0	260.3	3754.0	144236	288.8	1.50	433.1	1485.0	1918.1	28,774
Victoria	Langford		173	644	11	655	9	1.3	3.13	4.1	61.0	65.1								
Victoria	Hereward		173	5330	154	5484	64	11.0	2.57	28.2	196.0	224.2								
Esquimalt	Devonshire		173	4896	1234	6130	106	12.3	2.53	31.0	225.0	256.0								
Esquimalt	Wilson		173	701	225	926	17	1.9	3.06	5.7	115.0	120.7								
Victoria	Sea Terrace		173	2317	154	2471	15	4.9	2.81	13.9	46.0	59.9								
Subtotal (Section NET-N5)						15666	211	31.4		82.9	643.0	725.9	3965.0	159902	320.2	1.47	471.6	2128.0	2599.6	31,699
Esquimalt	Head		173	5457	1278	6735	125	13.5	2.50	33.7	259.0	292.7								
Subtotal (Section NET-N6)						6735	125	13.5		33.7	259.0	292.7	4090.0	166636	333.7	1.46	487.9	2387.0	2874.9	32,992
Esquimalt	Anson		173	335	0	335	15	0.7	3.25	2.2	31.0	33.2								
Subtotal (Section NET-N7)						335	15	0.7		2.2	31.0	33.2	4105.0	166972	334.3	1.46	488.7	2418.0	2906.7	33,065
Subtotal (NWT-W)													3784.0	193767	388.0	1.42	552.9	1194.1	1747.0	37,374
Total Macaulay													7889.0	360738	722.3	1.29	929.7	3612.1	4541.8	70,439

NWT-N Estimated Wastewater Flows
Year = 2065, 2-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		152	67613	13035	80648	2383.0	141.9	1.66	235.9	293.0	528.9								
Subtotal (Section NWT-N1)						80648	2383.0	141.9		235.9	293.0	528.9	2383.0	80648	141.9	1.66	235.9	293.0	528.9	14,684
Saanich	City Boundary		152	23775	11953	35728	664.0	62.9	1.92	120.8	125.0	245.8								
Subtotal (Section NWT-N2)						35728	664.0	62.9		120.8	125.0	245.8	3047.0	116376	204.7	1.56	318.9	418.0	736.9	20,791
Saan/Vic	Cecelia		152	6265	9137	15402	380	27.10	2.21	59.97	286.0	346.0								
Victoria	Chapman		152	1284	428	1712	17	3.01	2.91	8.76	13.0	21.8								
Victoria	Gorge		152	1655	56	1711	35	3.01	2.91	8.76	26.0	34.8								
Subtotal (Section NWT-N3)						18825	432.0	33.12		77.49	325.0	402.5	3479.0	135200	237.9	1.52	360.7	743.0	1103.7	24,092
Victoria	Selkirk		152	814		814	14.0	1.4	3.08	4.4	18.0	22.4								
Saanich	Harriet		152	10304	942	11246	261.0	19.8	2.32	46.0	102.0	148.0								
Subtotal (Section NWT-N4)						12061	275.0	21.22		50.4	120.0	170.4	3754.0	147261	259.1	1.49	387.1	863.0	1250.1	26,205
Victoria	Langford		152	657	11	668	9	1.2	3.12	3.7	21.0	24.7								
Victoria	Hereward		152	5436	157	5593	64	9.8	2.56	25.2	96.0	121.2								
Esquimalt	Devonshire		152	4995	4994	9990	106	17.6	2.36	41.5	138.0	179.5								
Esquimalt	Wilson		152	715	715	1429	17	2.5	2.96	7.4	39.0	46.4								
Victoria	Sea Terrace		152	2363	157	2520	15	4.4	2.80	12.4	23.0	35.4								
Subtotal (Section NET-N5)						20200	211	35.5		90.3	317.0	407.3	3965.0	167461	294.6	1.46	430.5	1180.0	1610.5	29,490
Esquimalt	Head		152	5567	5566	11133	125	19.6	2.33	45.6	136.0	181.6								
Subtotal (Section NET-N6)						11133	125	19.6		45.6	136.0	181.6	4090.0	178593	314.2	1.45	454.0	1316.0	1770.0	31,310
Esquimalt	Anson		152	342	342	684	15	1.2	3.12	3.8	16.0	19.8								
Subtotal (Section NET-N7)						684	15	1.2		3.8	16.0	19.8	4105.0	179277	315.4	1.44	455.5	1332.0	1787.5	31,429
Subtotal (NWT-W)													4528.2	255413	449.3	1.36	611.3	901.7	1513.0	43,433
Total Macaulay													8633.2	434691	764.7	1.25	956.5	2233.7	3190.2	74,862

NWT-N Estimated Wastewater Flows
Year = 2065, 5-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		152	67613	13035	80648	2383.0	141.9	1.66	235.9	333.0	568.9								
Subtotal (Section NWT-N1)						80648	2383.0	141.9		235.9	333.0	568.9	2383.0	80648	141.9	1.66	235.9	333.0	568.9	14,684
Saanich	City Boundary		152	23775	11953	35728	664.0	62.9	1.92	120.8	148.0	268.8								
Subtotal (Section NWT-N2)						35728	664.0	62.9		120.8	148.0	268.8	3047.0	116376	204.7	1.56	318.9	481.0	799.9	20,791
Saan/Vic	Cecelia		152	6265	9137	15402	380	27.10	2.21	59.97	369.0	429.0								
Victoria	Chapman		152	1284	428	1712	17	3.01	2.91	8.76	16.0	24.8								
Victoria	Gorge		152	1655	56	1711	35	3.01	2.91	8.76	34.0	42.8								
Subtotal (Section NWT-N3)						18825	432.0	33.12		77.49	419.0	496.5	3479.0	135200	237.9	1.52	360.7	900.0	1260.7	24,092
Victoria	Selkirk		152	814		814	14.0	1.4	3.08	4.4	22.0	26.4								
Saanich	Harriet		152	10304	942	11246	261.0	19.8	2.32	46.0	124.0	170.0								
Subtotal (Section NWT-N4)						12061	275.0	21.22		50.4	146.0	196.4	3754.0	147261	259.1	1.49	387.1	1046.0	1433.1	26,205
Victoria	Langford		152	657	11	668	9	1.2	3.12	3.7	30.0	33.7								
Victoria	Hereward		152	5436	157	5593	64	9.8	2.56	25.2	124.0	149.2								
Esquimalt	Devonshire		152	4995	4994	9990	106	17.6	2.36	41.5	165.0	206.5								
Esquimalt	Wilson		152	715	715	1429	17	2.5	2.96	7.4	56.0	63.4								
Victoria	Sea Terrace		152	2363	157	2520	15	4.4	2.80	12.4	29.0	41.4								
Subtotal (Section NET-N5)						20200	211	35.5		90.3	404.0	494.3	3965.0	167461	294.6	1.46	430.5	1450.0	1880.5	29,490
Esquimalt	Head		152	5567	5566	11133	125	19.6	2.33	45.6	171.0	216.6								
Subtotal (Section NET-N6)						11133	125	19.6		45.6	171.0	216.6	4090.0	178593	314.2	1.45	454.0	1621.0	2075.0	31,310
Esquimalt	Anson		152	342	342	684	15	1.2	3.12	3.8	21.0	24.8								
Subtotal (Section NET-N7)						684	15	1.2		3.8	21.0	24.8	4105.0	179277	315.4	1.44	455.5	1642.0	2097.5	31,429
Subtotal (NWT-W)													4528.2	255413	449.3	1.36	611.3	1019.1	1630.4	43,433
Total Macaulay													8633.2	434691	764.7	1.25	956.5	2661.1	3617.5	74,862

NWT-N Estimated Wastewater Flows
Year = 2065, 10-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		152	67613	13035	80648	2383.0	141.9	1.66	235.9	355.0	590.9								
Subtotal (Section NWT-N1)						80648	2383.0	141.9		235.9	355.0	590.9	2383.0	80648	141.9	1.66	235.9	355.0	590.9	14,684
Saanich	City Boundary		152	23775	11953	35728	664.0	62.9	1.92	120.8	161.0	281.8								
Subtotal (Section NWT-N2)						35728	664.0	62.9		120.8	161.0	281.8	3047.0	116376	204.7	1.56	318.9	516.0	834.9	20,791
Saan/Vic	Cecelia		152	6265	9137	15402	380	27.10	2.21	59.97	420.0	480.0								
Victoria	Chapman		152	1284	428	1712	17	3.01	2.91	8.76	19.0	27.8								
Victoria	Gorge		152	1655	56	1711	35	3.01	2.91	8.76	39.0	47.8								
Subtotal (Section NWT-N3)						18825	432.0	33.12		77.49	478.0	555.5	3479.0	135200	237.9	1.52	360.7	994.0	1354.7	24,092
Victoria	Selkirk		152	814		814	14.0	1.4	3.08	4.4	24.0	28.4								
Saanich	Harriet		152	10304	942	11246	261.0	19.8	2.32	46.0	137.0	183.0								
Subtotal (Section NWT-N4)						12061	275.0	21.22		50.4	161.0	211.4	3754.0	147261	259.1	1.49	387.1	1155.0	1542.1	26,205
Victoria	Langford		152	657	11	668	9	1.2	3.12	3.7	37.0	40.7								
Victoria	Hereward		152	5436	157	5593	64	9.8	2.56	25.2	141.0	166.2								
Esquimalt	Devonshire		152	4995	4994	9990	106	17.6	2.36	41.5	180.0	221.5								
Esquimalt	Wilson		152	715	715	1429	17	2.5	2.96	7.4	69.0	76.4								
Victoria	Sea Terrace		152	2363	157	2520	15	4.4	2.80	12.4	33.0	45.4								
Subtotal (Section NET-N5)						20200	211	35.5		90.3	460.0	550.3	3965.0	167461	294.6	1.46	430.5	1615.0	2045.5	29,490
Esquimalt	Head		152	5567	5566	11133	125	19.6	2.33	45.6	193.0	238.6								
Subtotal (Section NET-N6)						11133	125	19.6		45.6	193.0	238.6	4090.0	178593	314.2	1.45	454.0	1808.0	2262.0	31,310
Esquimalt	Anson		152	342	342	684	15	1.2	3.12	3.8	23.0	26.8								
Subtotal (Section NET-N7)						684	15	1.2		3.8	23.0	26.8	4105.0	179277	315.4	1.44	455.5	1831.0	2286.5	31,429
Subtotal (NWT-W)													4528.2	255413	449.3	1.36	611.3	1108.4	1719.8	43,433
Total Macaulay													8633.2	434691	764.7	1.25	956.5	2939.4	3895.9	74,862

NWT-N Estimated Wastewater Flows
Year = 2065, 25-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		152	67613	13035	80648	2383.0	141.9	1.66	235.9	383.0	618.9								
Subtotal (Section NWT-N1)						80648	2383.0	141.9		235.9	383.0	618.9	2383.0	80648	141.9	1.66	235.9	383.0	618.9	14,684
Saanich	City Boundary		152	23775	11953	35728	664.0	62.9	1.92	120.8	178.0	298.8								
Subtotal (Section NWT-N2)						35728	664.0	62.9		120.8	178.0	298.8	3047.0	116376	204.7	1.56	318.9	561.0	879.9	20,791
Saan/Vic	Cecelia		152	6265	9137	15402	380	27.10	2.21	59.97	486.0	546.0								
Victoria	Chapman		152	1284	428	1712	17	3.01	2.91	8.76	22.0	30.8								
Victoria	Gorge		152	1655	56	1711	35	3.01	2.91	8.76	45.0	53.8								
Subtotal (Section NWT-N3)						18825	432.0	33.12		77.49	553.0	630.5	3479.0	135200	237.9	1.52	360.7	1114.0	1474.7	24,092
Victoria	Selkirk		152	814		814	14.0	1.4	3.08	4.4	26.0	30.4								
Saanich	Harriet		152	10304	942	11246	261.0	19.8	2.32	46.0	152.0	198.0								
Subtotal (Section NWT-N4)						12061	275.0	21.22		50.4	178.0	228.4	3754.0	147261	259.1	1.49	387.1	1292.0	1679.1	26,205
Victoria	Langford		152	657	11	668	9	1.2	3.12	3.7	46.0	49.7								
Victoria	Hereward		152	5436	157	5593	64	9.8	2.56	25.2	164.0	189.2								
Esquimalt	Devonshire		152	4995	4994	9990	106	17.6	2.36	41.5	199.0	240.5								
Esquimalt	Wilson		152	715	715	1429	17	2.5	2.96	7.4	86.0	93.4								
Victoria	Sea Terrace		152	2363	157	2520	15	4.4	2.80	12.4	38.0	50.4								
Subtotal (Section NET-N5)						20200	211	35.5		90.3	533.0	623.3	3965.0	167461	294.6	1.46	430.5	1825.0	2255.5	29,490
Esquimalt	Head		152	5567	5566	11133	125	19.6	2.33	45.6	220.0	265.6								
Subtotal (Section NET-N6)						11133	125	19.6		45.6	220.0	265.6	4090.0	178593	314.2	1.45	454.0	2045.0	2499.0	31,310
Esquimalt	Anson		152	342	342	684	15	1.2	3.12	3.8	26.0	29.8								
Subtotal (Section NET-N7)						684	15	1.2		3.8	26.0	29.8	4105.0	179277	315.4	1.44	455.5	2071.0	2526.5	31,429
Subtotal (NWT-W)													4528.2	255413	449.3	1.36	611.3	1201.1	1812.4	43,433
Total Macaulay													8633.2	434691	764.7	1.25	956.5	3272.1	4228.6	74,862

NWT-N Estimated Wastewater Flows
Year = 2065, 100-Year Storm

Location	Catchment	Injection Point	L/pe/day	Residential	ICI	Total PE	Area (ha)	ADF (L/s)	P.F.	PDF (L/s)	I&I (L/s)	Incremental Flow (L/s)	Accumulated Area (ha)	Accumulated Equiv. Pop	Accumulated ADF (L/s)	Peaking Factor	Accumulated PDF (L/s)	Accumulated I&I (L/s)	Accumulated PWWF (L/s)	Accumulated ADWF (m ³ /d)
Saanich	Marigold		152	67613	13035	80648	2383.0	141.9	1.66	235.9	420.0	655.9								
Subtotal (Section NWT-N1)						80648	2383.0	141.9		235.9	420.0	655.9	2383.0	80648	141.9	1.66	235.9	420.0	655.9	14,684
Saanich	City Boundary		152	23775	11953	35728	664.0	62.9	1.92	120.8	200.0	320.8								
Subtotal (Section NWT-N2)						35728	664.0	62.9		120.8	200.0	320.8	3047.0	116376	204.7	1.56	318.9	620.0	938.9	20,791
Saan/Vic	Cecelia		152	6265	9137	15402	380	27.10	2.21	59.97	581.0	641.0								
Victoria	Chapman		152	1284	428	1712	17	3.01	2.91	8.76	26.0	34.8								
Victoria	Gorge		152	1655	56	1711	35	3.01	2.91	8.76	54.0	62.8								
Subtotal (Section NWT-N3)						18825	432.0	33.12		77.49	661.0	738.5	3479.0	135200	237.9	1.52	360.7	1281.0	1641.7	24,092
Victoria	Selkirk		152	814		814	14.0	1.4	3.08	4.4	30.0	34.4								
Saanich	Harriet		152	10304	942	11246	261.0	19.8	2.32	46.0	174.0	220.0								
Subtotal (Section NWT-N4)						12061	275.0	21.22		50.4	204.0	254.4	3754.0	147261	259.1	1.49	387.1	1485.0	1872.1	26,205
Victoria	Langford		152	657	11	668	9	1.2	3.12	3.7	61.0	64.7								
Victoria	Hereward		152	5436	157	5593	64	9.8	2.56	25.2	196.0	221.2								
Esquimalt	Devonshire		152	4995	4994	9990	106	17.6	2.36	41.5	225.0	266.5								
Esquimalt	Wilson		152	715	715	1429	17	2.5	2.96	7.4	115.0	122.4								
Victoria	Sea Terrace		152	2363	157	2520	15	4.4	2.80	12.4	46.0	58.4								
Subtotal (Section NET-N5)						20200	211	35.5		90.3	643.0	733.3	3965.0	167461	294.6	1.46	430.5	2128.0	2558.5	29,490
Esquimalt	Head		152	5567	5566	11133	125	19.6	2.33	45.6	259.0	304.6								
Subtotal (Section NET-N6)						11133	125	19.6		45.6	259.0	304.6	4090.0	178593	314.2	1.45	454.0	2387.0	2841.0	31,310
Esquimalt	Anson		152	342	342	684	15	1.2	3.12	3.8	31.0	34.8								
Subtotal (Section NET-N7)						684	15	1.2		3.8	31.0	34.8	4105.0	179277	315.4	1.44	455.5	2418.0	2873.5	31,429
Subtotal (NWT-W)													4528.2	255413	449.3	1.36	611.3	1322.4	1933.8	43,433
Total Macaulay													8633.2	434691	764.7	1.25	956.5	3740.4	4696.9	74,862