



Legend

-  WATER TREATMENT PLANT
-  WASTE WATER TREATMENT PLANT

Notes

Source:
Water and Wastewater Master Servicing Plan Update (2003), prepared by CH2M Hill Canada and MacViro Consultants for the Regional Municipality of Niagara.

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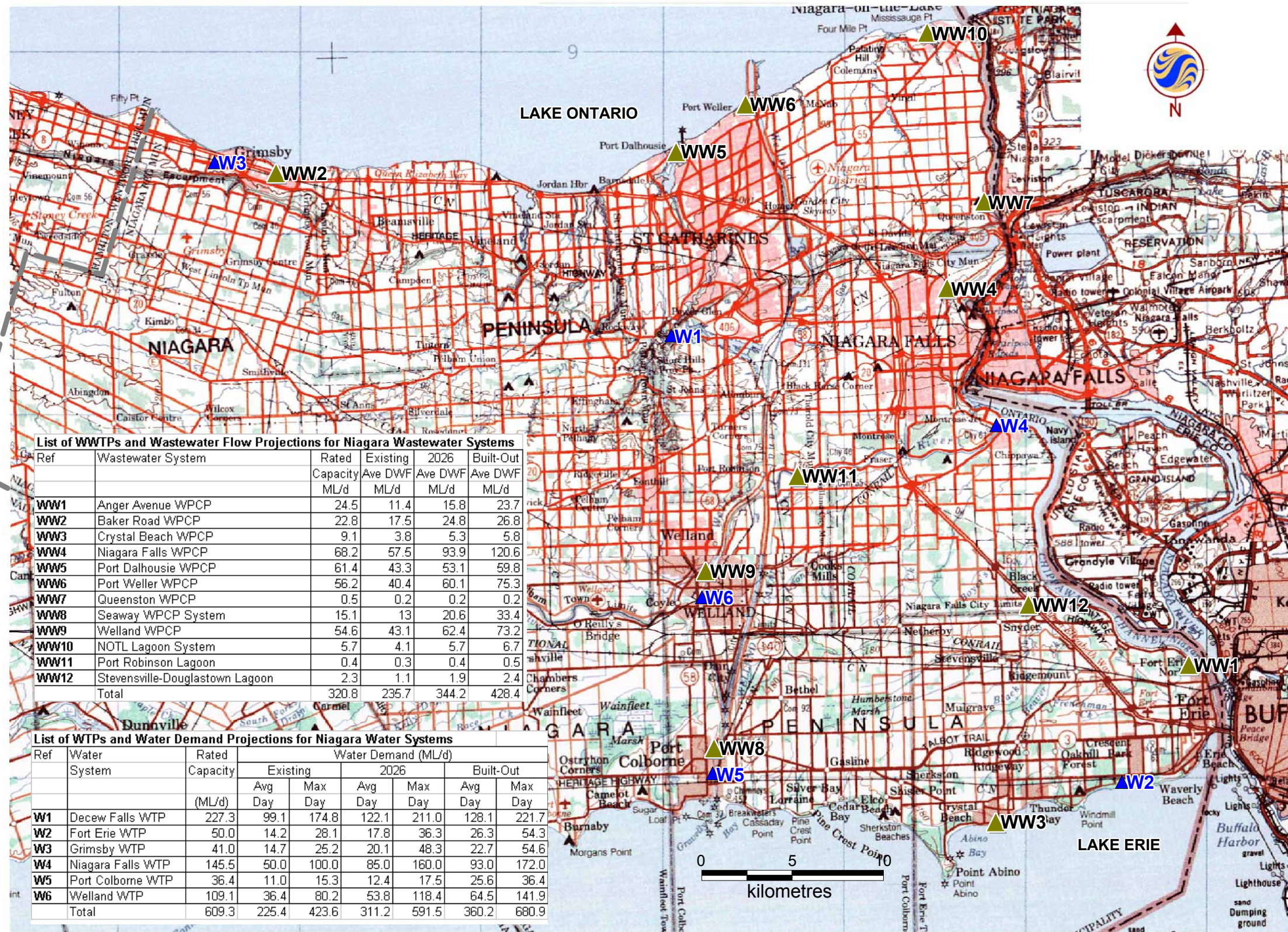


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Client/Project
REGIONAL MUNICIPALITY OF NIAGARA
FEASIBILITY STUDY - RAW WATER FOR AGRICULTURAL
IRRIGATION PURPOSES

Figure No.
2-1

Title
**MUNICIPAL WATER AND
WASTEWATER TREATMENT
PLANTS IN NIAGARA REGION**



List of WWTPs and Wastewater Flow Projections for Niagara Wastewater Systems

Ref	Wastewater System	Rated Capacity ML/d	2026 Ave DWF ML/d			
			Existing	2026	Built-Out	
WW1	Anger Avenue WPCP	24.5	11.4	15.8	23.7	
WW2	Baker Road WPCP	22.8	17.5	24.8	26.8	
WW3	Crystal Beach WPCP	9.1	3.8	5.3	5.8	
WW4	Niagara Falls WPCP	68.2	57.5	93.9	120.6	
WW5	Port Dalhousie WPCP	61.4	43.3	53.1	59.8	
WW6	Port Weller WPCP	56.2	40.4	60.1	75.3	
WW7	Queenston WPCP	0.5	0.2	0.2	0.2	
WW8	Seaway WPCP System	15.1	13	20.6	33.4	
WW9	Welland WPCP	54.6	43.1	62.4	73.2	
WW10	NOTL Lagoon System	5.7	4.1	5.7	6.7	
WW11	Port Robinson Lagoon	0.4	0.3	0.4	0.5	
WW12	Stevensville-Douglastown Lagoon	2.3	1.1	1.9	2.4	
	Total	320.8	235.7	344.2	428.4	

List of WTPs and Water Demand Projections for Niagara Water Systems

Ref	Water System	Rated Capacity (ML/d)	Water Demand (ML/d)					
			Existing		2026		Built-Out	
			Avg Day	Max Day	Avg Day	Max Day	Avg Day	Max Day
W1	Decew Falls WTP	227.3	99.1	174.8	122.1	211.0	128.1	221.7
W2	Fort Erie WTP	50.0	14.2	28.1	17.8	36.3	26.3	54.3
W3	Grimsby WTP	41.0	14.7	25.2	20.1	48.3	22.7	54.6
W4	Niagara Falls WTP	145.5	50.0	100.0	85.0	160.0	93.0	172.0
W5	Port Colborne WTP	36.4	11.0	15.3	12.4	17.5	25.6	36.4
W6	Welland WTP	109.1	36.4	80.2	53.8	118.4	64.5	141.9
	Total	609.3	225.4	423.6	311.2	591.5	360.2	680.9

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