

## ***Appendix G: Public and Stakeholder Consultation***

### **Public Information Centre**

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# Memorandum

July 7, 2016

To	Michelle Gillespie (Halton Region)		
cc	Suzanne Boyd / Josh Shurr (Halton Region)		
From	Arun Jain / Jean Louis (Exp)		
Project	Class EA Study for the Oakville WPP Including the Overall Re-rating of the Plant to 130 ML/d		
Subject	Summary of Public Information Centre	GHD ref	8811884
		Region ref	PR-2989A
		exp ref	BRM 605015
		HMM ref	336091

## 1 Overview

The purpose of this memorandum is to document the Public Information Centre (PIC) held as part of the consultation process for the Oakville WPP Class EA Study for its overall re-rating to 130 ML/d. This memo documents the date and location of the PIC, its objectives, how stakeholders were notified, its objectives, format, and the response from the stakeholders.

## 2 Public Information Centre

A Public Information Centre (PIC) was held on June 9, 2016 from 6:30 p.m. to 8:30 p.m. in the gymnasium of St. James Elementary School, located at 255 Morden Road, Oakville. The PIC and its outcomes are discussed below.

### 2.1 PIC Objectives

The objectives of the PIC were to:

- Describe the project to the public and provide an update on its progress;
- Review the alternative solutions and evaluation process;
- Present the evaluation results and the Preliminary Preferred Solution; and
- Receive input and comments from PIC attendees.

### 2.2 Pre-Consultation and Notification

Prior to the PIC, members of the Stakeholder Advisory Committee (SAC) were advised at the May 25<sup>th</sup>, 2016 SAC meeting of the PIC's date, time and location.

A notice of PIC (see Attachment 1) and accompanying letter was prepared and distributed via mail or e-mail to the following:

- 11 federal agency contacts;
- 24 provincial agency contacts;
- 6 local agency contacts;
- 5 Town of Oakville contacts;
- 4 utilities;
- 9 First Nations / Aboriginal / Metis contacts; and
- 12 members of the local community that had either requested to be added to the distribution list or were identified by the project team as possibly having an interest in this project.

The notice was also hand-delivered to households in the vicinity of the WPP. Figure 1 shows the distribution area for the hand delivery. Attachment 2 includes the distribution contact list.

The PIC was also advertised in the Oakville Beaver on June 2, 2016 and June 9, 2016.

The PIC notice initially and subsequently the display boards were made available for download on the Region's project website, which was communicated in the PIC notice. A copy of the display boards are provided in Attachment 3.

**Figure 1: PIC Notice Hand Delivery Area**



## 2.3 PIC Format

The PIC was held in an open house-style format and designed to provide opportunities for attendees to speak directly with Region staff and the consulting team. The PIC was staffed by three project team members from the Region of Halton and three from the consulting team.

A set of 16 display boards were prepared for display in the meeting space that described the process, work completed to date, the evaluation process, and the preferred solution. A copy of the display boards is attached.

Comment sheets were also provided for attendees to complete and submit at the PIC or at a later date.

In addition to the display boards for this process, two display boards were available summarizing the results of the separate Stand-by Power Necessity study.

## 2.4 Attendance and Response

The PIC was attended by seven members of the general public and one Town of Oakville staff. Three comment forms were received. A summary of the comments received are provided in Table 1, with a copy of the comment forms attached in Attachment 4. Generally, the comments received through the comment forms mirror the comments the project team received verbally from the PIC attendees. Table 1 notes the verbal comment.

**Table 1: Summary of PIC Comments Received**

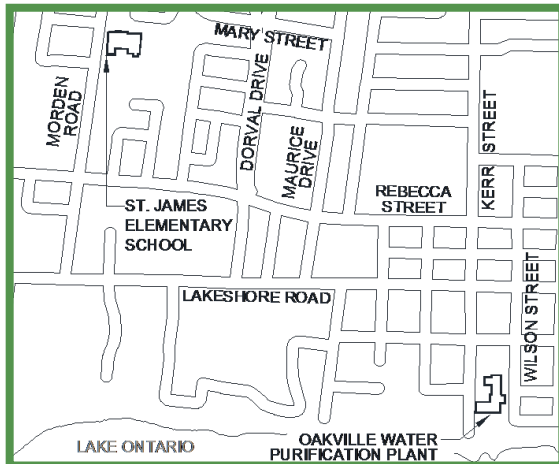
Comment Summary	Project Team Action
<ul style="list-style-type: none"><li>Complaint about yellow lights over the Wilson Parking Lot that had been changed with white lights, which now shine onto respondent's porch. Request made to put yellow lights back in.</li></ul>	<ul style="list-style-type: none"><li>Does not relate to this project.</li><li>Region is aware of complaint and will address separately.</li></ul>
<ul style="list-style-type: none"><li>Respondent lives in proximity to Oakville WPP and experienced the 2009 and 2015 construction activities. Is concerned about construction at the WPP, on-going noise, and security of the site.</li></ul>	<ul style="list-style-type: none"><li>Issues discussed with attendee at PIC.</li><li>Attendee advised at PIC that disruption from construction would be minimum.</li><li>Region is aware of security concern and will address separately.</li></ul>
<ul style="list-style-type: none"><li>New equipment needs to be noise tested to ensure noise levels do not increase, including during regular testing of standby power generators.</li></ul>	<ul style="list-style-type: none"><li>Comment is related to noise from possible future standby power equipment.</li><li>As this is not part of this study, Region will address separately through Standby Power process.</li></ul>
<ul style="list-style-type: none"><li>Recommendations made to improve security at Oakville WPP.</li></ul>	<ul style="list-style-type: none"><li>Does not relate to this project.</li><li>Region is aware of security concern and will address separately.</li></ul>
<ul style="list-style-type: none"><li>(Verbal comment) During previous construction, it was very disruptive when trucks would arrive early and idle close to the houses and/or reverse. The idling engines and the reverse indicator sounds (i.e., beeping) would wake the resident.</li></ul>	<ul style="list-style-type: none"><li>Region could potentially provide temporary parking in one of their yards close to the Oakville WPP so that trucks could arrive just in time for delivery.</li><li>Region to consider tweaking daily construction schedule to start after 8 a.m. to avoid early disruption to residents.</li></ul>

## **Attachment 1: PIC Notice**

## NOTICE OF PUBLIC INFORMATION CENTRE

### MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT STUDY

#### Capacity Increase of the Oakville Water Purification Plant from 109 to 130 ML/d, Town of Oakville



#### The Process

The study is being conducted in accordance with Schedule B of the Municipal Class Environmental Assessment process (October 2000, amended 2007 and 2011), which is approved under the Ontario Environmental Assessment Act.

The preliminary preferred solution is to achieve the capacity increase through rerating of the plant. This solution includes minor in-plant upgrades to optimize performance and implementation of a plant-based solution to address security of supply risks associated with raw water turbidity episodes. This solution has the least impact on the local community by avoiding large scale process changes and optimizing the plant within its existing footprint.

#### Public Information Centre

As part of the study, a Public Information Centre (PIC) is planned to allow the public and interested stakeholders to learn more about the study and provide input and comments on the preliminary preferred alternative. Representatives from the Region and its consultant will be present at the PIC to answer questions and discuss next steps in the study.

**Date:** Thursday, June 9, 2016  
**Time:** 6:30 – 8:30 p.m.  
**Location:** St. James Elementary School (Gymnasium)  
 255 Morden Road, Oakville

Halton Region is also undertaking a separate, stand-alone study considering additional risk to security of supply related to primary power interruptions. The study consists of a system-wide risk assessment to determine the need to implement a standby power system at the Oakville WPP. Information about this study will be available at the PIC.

#### Comments

Comments and information regarding the project are being collected to assist the project team in meeting the requirements of the Class EA process. You are encouraged to attend the PIC and provide comments for the study. Comments received through the course of the study will be considered in the final Project File for this study. With the exception of personal information, all written comments will become part of the public record.

If you are unable to attend the PIC and would like to provide comments, please forward them by Friday, June 24, 2016 to either of the project team members listed below:

**Arun P. Jain, M.Eng., P.Eng.**  
 Manager, Linear Infrastructure and Class EA Lead  
 exp Services Inc.  
 1595 Clark Blvd.  
 Brampton, ON L6T 4V1  
 Phone: 905-793-9800 ext. 2373  
 Email: arun.jain@exp.com

**Michelle Gillespie, P. Eng.**  
 Project Manager, Plant Capital and Engineering  
 Halton Region  
 1151 Bronte Road  
 Oakville, ON L6M 3L1  
 Phone: 905-825-6000 ext. 3309  
 Email: michelle.gillespie@halton.ca



This notice was first issued on Thursday, June 2, 2016.  
[halton.ca/EAprojects](http://halton.ca/EAprojects)

#### Background

Halton Region is undertaking a Municipal Class Environmental Assessment (Class EA) study for the increase in capacity of the Oakville Water Purification Plant (WPP). This project was identified in the Sustainable Halton Water and Wastewater Master Plan (Master Plan), completed in 2011, as part of the preferred water and wastewater servicing strategies for all urban service areas within Halton Region. The Master Plan and supporting documentation are available at: [www.halton.ca/watermasterplan](http://www.halton.ca/watermasterplan).

The Master Plan recommended that the existing capacity of the Oakville WPP, located at 21 Kerr Street, be increased from 109 million litres per day (ML/d) to 130 ML/d to ensure that the growing demand for drinking water within Halton Region for the 2031 planning horizon is met.

The Master Plan also identified the potential for an interrelated project to upgrade the plant intake. The plant is susceptible to raw water quality issues due to interference from Sixteen Mile Creek after rainfall events.

#### Problem Statement

The purpose of the Class Environmental Assessment study is to identify a preferred solution to meet the water servicing objectives for the South Halton area in accordance with the Sustainable Halton Water and Wastewater Master Plan, 2011. The study is also investigating potential risks to security of supply including occasional raw water quality issues as the result of Sixteen Mile Creek influences.



## **Attachment 2: Contact List**



Salutation	Last	First	Title	Department	Agency	Street	City	phone	fax	email
AGENCIES - Federal										
Mr.	Dobos	Rob	Manager	Environmental Assessment Section Environmental Protection Operations	Environment Canada			905-336-4953		<a href="mailto:Rob.Dobos@ec.gc.ca">Rob.Dobos@ec.gc.ca</a>
				Fisheries Protection Program	Fisheries and Oceans Canada	867 Lakeshore Road	Burlington, Ontario L7S 1A1			<a href="mailto:FisheriesProtection@dfo-mpo.gc.ca">FisheriesProtection@dfo-mpo.gc.ca</a>
Mr.	Lashbrook	Paul	Impact Assessment Biologist	District Office	Fisheries and Oceans Canada	3027 Harvester Road, Unit 304 PO Box 85060	Burlington, ON L7R 4K3	905-639-0188	(905) 639-3549	
Mr.	Zeit	David	Environmental Officer		Transport Canada - Ontario Region	4900 Yonge Street, Suite 300	Toronto, ON M2N 6A5	416-952-0491	416-952-0514	<a href="mailto:David.zeit@tc.gc.ca">David.zeit@tc.gc.ca</a>
AGENCIES - Provincial										
Mr.	Rosati	Christopher	Manager, Central Region		Ministries of Citizenship and Immigration, Tourism, Culture, and Sport	400 University Avenue, 4th Floor	Toronto ON M7A 2R9	416-314 6682	416-314-2024	<a href="mailto:Christopher.rosati@ontario.ca">Christopher.rosati@ontario.ca</a>
Mr.	Stewart	Craig	Manager	Sport, Recreation and Community Division, Policy Branch	Ministry of Tourism, Culture and Sport	777 Bay Street, Suite 2302, 23rd Floor	Toronto ON M7A 1S5	416-326-4370	416-314-7458	<a href="mailto:craig.stewart@ontario.ca">craig.stewart@ontario.ca</a>
Ms.	Ilnyckyj	Anna	Director	Sport, Recreation and Community Division, Policy Branch	Ministry of Tourism, Culture and Sport	777 Bay Street, Suite 2302, 23rd Floor	Toronto ON M7A 1S5	416-326-0825	416-314-7458	<a href="mailto:Anna.ilnyckyj@ontario.ca">Anna.ilnyckyj@ontario.ca</a>
Ms.	Oitment	Carol	Policy Advisor	Sport, Recreation and Community Division, Policy Branch	Ministry of Tourism, Culture and Sport	777 Bay Street, Suite 2302, 23rd Floor	Toronto ON M7A 1S7	416-314-7205	416-314-7460	<a href="mailto:carol.oitment@ontario.ca">carol.oitment@ontario.ca</a>
Ms.	Zirger	Rosi	Heritage Planner	Culture Services Unit, Programs and Services Branch	Ministry of Tourism, Culture and Sport	401 Bay Street, Suite 1700	Toronto ON M7A 0A7	416-314-7159	416-314-7175	<a href="mailto:Rosi.zirger@ontario.ca">Rosi.zirger@ontario.ca</a>
Mr.	Christie	Mark	Manager	Community Planning and Development	Ministry of Municipal Affairs and Housing	777 Bay Street, 2nd Floor	Toronto, ON M5G 2E5	416-585-6063	416-585-6882	<a href="mailto:Mark.Christie@ontario.ca">Mark.Christie@ontario.ca</a>
Mr.	Hislop	Christopher	Lands and Waters Technical Specialist	Aurora District Office	Ministry of Natural Resources and Forestry	50 Bloomington Road	Aurora ON L4G 0L8	(905) 713-7386		<a href="mailto:chris.hislop@ontario.ca">chris.hislop@ontario.ca</a>
Ms.	Burkart	Jackie	District Planner	Aurora District Office	Ministry of Natural Resources and Forestry	50 Bloomington Road West	Aurora, ON L4G 0L8	905-713-7368	905-713-7360	<a href="mailto:jackie.burkart@ontario.ca">jackie.burkart@ontario.ca</a>
Mr.	Chris	Hislop	Lands & Waters Technical Specialist	Aurora District Office	Ministry of Natural Resources and Forestry	50 Bloomington Road West	Aurora, ON L4G 0L8	905-713-7368	905-713-7360	<a href="mailto:chris.hislop@ontario.ca">chris.hislop@ontario.ca</a>
Mr.	Desjardins	Marc	Management Biologist	Lake Ontario Management Unit	Ministry of Natural Resources and Forestry	41 Hatchery Lane, RR 4	Picton, ON K0K2T0	613-476-3287		<a href="mailto:marc.desjardins@ontario.ca">marc.desjardins@ontario.ca</a>
Ms.	Moszynski	Dorothy	EA Coordinator	Air Pesticides & Environmental Planning Unit	Ministry of the Environment and Climate Change	5775 Yonge Street, 9th Floor	Toronto, ON M2M 4J1	416-212-3693		<a href="mailto:dorothy.moszynski@ontario.ca">dorothy.moszynski@ontario.ca</a>
Mr.	Bell	Trevor	Environmental Resource Planner and Environmental Assessment Coordinator	Air, Pesticides and Environmental Planning	Ministry of the Environment and Climate Change	Place Nouveau, 9th Flr, 5775 Yonge St	Toronto ON M2M 4J1	416-326-3577		<a href="mailto:trevor.bell@ontario.ca">trevor.bell@ontario.ca</a>
Mr.	Lashbrook	Ross	Environmental Assessment and Planning Coordinator	Central Region	Ministry of the Environment and Climate Change	5775 Yonge St. 8th Floor	Toronto, ON M2M 4J1	416-326-5745	416-326-6347	<a href="mailto:ross.lashbrook@ontario.ca">ross.lashbrook@ontario.ca</a>
Mr.	Parrott	Ian	Director (A)	Environmental Approvals Branch	Ministry of the Environment and Climate Change	2 St Clair Avenue West Floor 12A	Toronto ON M4V 1L5			<a href="mailto:ian.parrott@ontario.ca">ian.parrott@ontario.ca</a>
Mr.	Delaquis	Dan	APEP Supervisor (A) Central Region Office		Ministry of the Environment and Climate Change	5775 Yonge Street, 8th Floor	North York ON M2M 4J1	(416) 326-3477	416-325-6347	<a href="mailto:dan.delaquis@ontario.ca">dan.delaquis@ontario.ca</a>
Ms.	Zhang	Helen	Supervisor	Water Resources Unit	Ministry of the Environment and Climate Change	5775 Yonge Street, 9th Floor	North York ON M2M 4J1	416-326-3763	416-325-6347	<a href="mailto:helen.zhang@ontario.ca">helen.zhang@ontario.ca</a>
Ms.	Dufresne	Tina	District Manager	Central Region District Halton-Peel District Office	Ministry of the Environment and Climate Change	4145 North Service Road, Suite 300	Burlington ON L7L 6A3	905-319-1870	905-319-9902	<a href="mailto:tina.dufresne@ontario.ca">tina.dufresne@ontario.ca</a>
			Regional Environmental Assessment and Project Co- Coordinator	Environmental Assessment Services Section	Ministry of the Environment and Climate Change	5775 Yonge Street, 8th Floor	North York ON M2M 4J1			
Ms.	Moulton	Jennifer L	Program Analyst (Acting)	Source Protection Approvals Branch	Ministry of the Environment and Climate Change					<a href="mailto:jennifer.l.moulton@ontario.ca">jennifer.l.moulton@ontario.ca</a>
Mr.	O'Hara	Charles	Manager, Growth Policy	Ontario Growth Secretariat	Ministry of Infrastructure	777 Bay Street, 4th Floor, Suite 425	Toronto, Ontario M5G 2E5	416-324-5794	416-325-7403	<a href="mailto:charles.ohara@ontario.ca">charles.ohara@ontario.ca</a>
Dr.	Meghani	Hamidah	Medical Officer of Health	Department of Public Health	Halton Region	1151 Bronte Road	Oakville, ON L6M 3L1	(905) 825-6000	905-825-8797	<a href="mailto:hamidah.meghani@halton.ca">hamidah.meghani@halton.ca</a>
Mr.	Amalfa	Tony	Manager	Environmental Health Policy & Programs	Ministry of Health and Long Term Care	393 University Avenue, 21st Floor	Toronto, ON M7A 2S1	416-327-7624	416-327-0984	<a href="mailto:tony.amalfa@ontario.ca">tony.amalfa@ontario.ca</a>

AGENCIES - Regional / Local										
Ms.	Amos	Kelly	Chair 2016		Halton District School Board	PO Box 5005 STN LCD 1	Burlington, ON L7R 3Z2	(905) 827-2219		<a href="mailto:amosk@hdsb.ca">amosk@hdsb.ca</a>
Ms.	Labuda	Teresa		Planning Department	Conservation Halton	2596 Britannia Road West	Burlington, ON L7P 0G3	(905) 336-1158	(905) 336-6684	<a href="mailto:tlabuda@hrca.on.ca">tlabuda@hrca.on.ca</a>
Mr.	Bond	Paul	Lead	Regional Infrastructure Team	Conservation Halton	2596 Britannia Road West	Burlington, ON L7P 0G3	(905) 336-1158	(905) 336-6684	<a href="mailto:pbond@hrca.on.ca">pbond@hrca.on.ca</a>
Ms.	Dawson	Paula	Director of Education		Halton Catholic District School Board	2123 Hixon Street	Oakville, Ontario L7R 2Y2	905-632-6314 x 115	905-333-4661	<a href="mailto:director@hcdsb.org">director@hcdsb.org</a>
Superintendent	Crowe	Carol	Superintendent	2 District - 20 Division	Halton Regional Police	95 Oak Walk Drive	Oakville, ON L6H 0G6	825-4747 ext. 2200	905-465-8701	<a href="mailto:info@haltonpolice.ca">info@haltonpolice.ca</a>
Mr.	Glynn	Andy	Deputy Fire Chief / Community Emergency Management Co-coordinator		Oakville Fire Department	1225 Trafalgar Road	Oakville, ON L6H 0H3	905-845-7114	905-338-4403	<a href="mailto:andy.glynn@oakville.ca">andy.glynn@oakville.ca</a>
Ms.	Piskorz	Kasia	Project Leader	Capital Projects-Engineering and Construction	Town of Oakville	1225 Trafalgar Road	Oakville, ON L6H 0H3	905-845-6601 x 3533		<a href="mailto:kasia.piskorz@oakville.ca">kasia.piskorz@oakville.ca</a>
Mr.	Mistry	Rakesh		Capital Projects-Engineering and Construction	Town of Oakville	1225 Trafalgar Road	Oakville, ON L6H 0H3	905-845-6601		<a href="mailto:rmistry@oakville.ca">rmistry@oakville.ca</a>
COUNCILLORS - Regional / Municipal										
Mayor	Burton	Rob	Mayor	Office of the Mayor	Town of Oakville	1225 Trafalgar Road	Oakville, ON L6H 0H3	905-845-6601	905-815-2001	<a href="mailto:mayor@oakville.ca">mayor@oakville.ca</a>
Councillor	Chisholm	Ray	Town Councillor	Ward 2	Town of Oakville	1225 Trafalgar Road	Oakville, ON L6H 0H3		905-815-2001	<a href="mailto:ray.chisholm@oakville.ca">ray.chisholm@oakville.ca</a>
Councillor	Duddeck	Cathy	Regional and Town Councillor	Ward 2	Halton Region	137 Wolfdale Ave.	Oakville, ON L6L 4R9	905-845-8374		<a href="mailto:cduddeck@oakville.ca">cduddeck@oakville.ca</a>
UTILITIES										
Mr.	McLean	Russ	Manager of Distribution Planning		Enbridge Gas Distribution Inc.	500 Consumers Road	North York ON M2J 1P8			
Ms	Newman	Ann	Crossings Coordinator, Enbridge Pipelines Inc.		Enbridge Pipelines Ltd.	801 Upper Canada Drive PO Box 128	Sarnia ON N7T 7H8		(519) 339-0510	<a href="mailto:ann.newman@enbridge.com">ann.newman@enbridge.com</a>
Ms	Lange	Katherine			Trans Canada Pipelines	11200 Weston Road P O Box 790	Maple ON L6A 1S7			
Ms	Wang	Faye			Union Gas Limited	918 South Service Road	Stoney Creek, ON L8E 5M4		289 649-2062	<a href="mailto:fwang@uniongas.com">fwang@uniongas.com</a>

FIRST NATIONS CONTACTS										
				Consultation Unit Aboriginal Relations and Ministry Partnerships Division	Ministry of Aboriginal Affairs	9th Floor, 160 Bloor Street East	Toronto ON M7A 2E6			<a href="mailto:maa.ea.review@ontario.ca">maa.ea.review@ontario.ca</a>
Ms.	Johnson	Ashley	Advisor	Consultation Unit Aboriginal Relations and Ministry Partnerships Division	Ministry of Aboriginal Affairs	9th Floor, 160 Bloor Street East	Toronto ON M7A 2E6	416-326-6313		<a href="mailto:Ashley.Johnson@ontario.ca">Ashley.Johnson@ontario.ca</a>
			Environmental Assessment Coordination Environment Unit	Lands and Economic Development	Aboriginal Affairs and Northern Development Canada	25 St. Clair Avenue East, 8th Floor	Toronto ON M4T 1M2			<a href="mailto:EACoordination_ON@aandc-aadnc.gc.ca">EACoordination_ON@aandc-aadnc.gc.ca</a>
			Consultation & Accommodation Unit		Aboriginal Affairs and Northern Development Canada	300 Sparks Street	Ottawa ON K1A 0A4			<a href="mailto:CAU-UCA@aadnc-aandc.gc.ca">CAU-UCA@aadnc-aandc.gc.ca</a>
Mr.	Boswell	Don	Senior Claims Analyst	Specific Claims Branch	Aboriginal Affairs and Northern Development Canada	10 Wellington Street, Room 1310	Gatineau, QC K1A 0H4	(819) 994-2323		
Mr.	Tardif	Jean- Francois	Director	Financial Issues and Cost-Sharing	Aboriginal Affairs and Northern Development Canada	10 Wellington Street, Room 1310	Gatineau, QC K1A 0H4			<a href="mailto:Jean-Francois.Tardif@tpsgc-pwgsc.gc.ca">Jean-Francois.Tardif@tpsgc-pwgsc.gc.ca</a>
Ms.	Mitchell	Gail	Policy and Coordination Directorate		Aboriginal Affairs and Northern Development Canada	10 Wellington Street	Gatineau, QC K1A 0H4			<a href="mailto:gail.mitchell@hrsdc-rhdcc.gc.ca">gail.mitchell@hrsdc-rhdcc.gc.ca</a>
Mr.	Roy	Franklin	Director	Litigation Management and Resolution Branch	Aboriginal Affairs and Northern Development Canada	10 Wellington Street	Gatineau, QC K1A 0H4	(819) 997-3582		
Ms.	Trepanier	Louise	Director	Claims East of Manitoba	Aboriginal Affairs and Northern Development Canada	10 Wellington Street, Room 1310	Gatineau, QC K1A 0H4			
Mr.	Wedge	Grant	Counsel	Aboriginal Legal Issues Office	Ministry of the Attorney General	720 Bay Street, 8th Floor	Toronto, ON M5G 2K1			<a href="mailto:grant.wedge@jus.gov.on.ca">grant.wedge@jus.gov.on.ca</a>
Ms.	Hunter	Pam	Policy Advisor		Chiefs of Ontario	111 Peter Street, Suite 804	Toronto, ON M5V 2H1			<a href="mailto:phunter@coo.org">phunter@coo.org</a>
Chief	Hill	G. Ava	Chief		Six Nations of the Grand River	2498 Chiefswood Road, P. O. Box 5000	Ohsweken ON, N0A 1M0	519 445-2201	519-753-3449	
Ms.	Thomas	Joanne	Consultation Supervisor	Lands and Resources	Six Nations of the Grand River	2498 Chiefswood Road, P. O. Box 5000	Ohsweken ON, N0A 1M0	519-753-0665	519-753-3449	
Chief	LaForme	R. Stacey	Chief		Mississaugas of the New Credit First Nations	6 First Line Rd., R.R. #6	Hagersville, ON N0A 1H0	(905) 768 - 1133 ext. 240		<a href="mailto:Stacey.LaForme@newcreditfirstnation.com">Stacey.LaForme@newcreditfirstnation.com</a>
Ms.	Sault	Fawn	Consultation Manager	Department of Consultation and Accommodation	Mississaugas of the New Credit First Nations	6 First Line Rd., R.R. #6	Hagersville, ON N0A 1H0	905-768-4260	905-768-9751	<a href="mailto:Fawn.Sault@newcreditfirstnation.com">Fawn.Sault@newcreditfirstnation.com</a>
Chief	Maracle	R. Donald	Chief		Mohawks of the Bay of Quinte	24 Meadow Drive	Tyendinaga Mohawk Territory, K0K 1X0			<a href="mailto:rdonm@mbq-tmt.org">rdonm@mbq-tmt.org</a>
Ms.	Maracle	Lisa	Director of Community Services	Community Services	Mohawks of the Bay of Quinte	24 Meadow Drive	Tyendinaga Mohawk Territory, K0K 1X0			<a href="mailto:lisam@mbq-tmt.org">lisam@mbq-tmt.org</a>
Ms.	Derocher	Karen	President		MNO Credit River Métis Council	10A Bram Court, Unit 4	Brampton, ON L6W 4R1			<a href="mailto:karenderochermno@gmail.com">karenderochermno@gmail.com</a>
Mr.	Alibhai	Aly N.	Director	Lands, Resources and Consultations	Métis Nation of Ontario	75 Sherbourne St., Suite 311	Toronto, ON M5A 2P9			<a href="mailto:alya@metisnation.org">alya@metisnation.org</a>

COMMUNITY GROUPS / INDIVIDUAL STAKEHOLDERS						
Salutation	Last	First	Title	Organization	Address	phone email
Mr.	Hogg	John	President	FORG (Federation of Oakville Resident Groups)		
Mr.	Dinka	Stephen	Planner - Ecologist	Halton Ecological and Environmental Advisory Committee		
Mr.	Price	Frank	Co-Chairman	Coalition to Protect Oakville Creeks		
				Halton Outdoor Club		
Ms.	Nursall	Tracy		West Kerr Village Residents Association		
Ms.	Morrison	Kristin	Board Member	West River Residents Association		
Ms.	Gilbert	Carole		West Harbour Residents Association		
				Oakville Camera Club		
Mr.	McMullen	John	Chair	Association of Oakville Harbours' Stakeholders		
Ms.	Seiler	Lisa	Executive Director	Halton Environmental Network		
Ms.	Brock	Karen	President	Oakvillegreen Conservation Association		
Mr.	MacLean	Dean	Chair	Kerr Village BIA		
Dr.	Walton Allen	Nicole		Resident		
Mr.	Luke	Andrew		Resident		

### **Attachment 3: PIC Display Boards**



# Municipal Class Environmental Study for Capacity Increase of the Oakville Water Purification Plant

**Public Information  
Centre**

**June 9, 2016**





# Welcome!

## Welcome to this Public Information Centre

- Please sign in and take a comment sheet.
- If you have questions, our team members are available to discuss the project with you.
- Please place your comment sheets in the “Comment Box” or send them by **Friday, June 24, 2016** to:



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michelle.gillespie@halton.ca

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arun.jain@exp.com

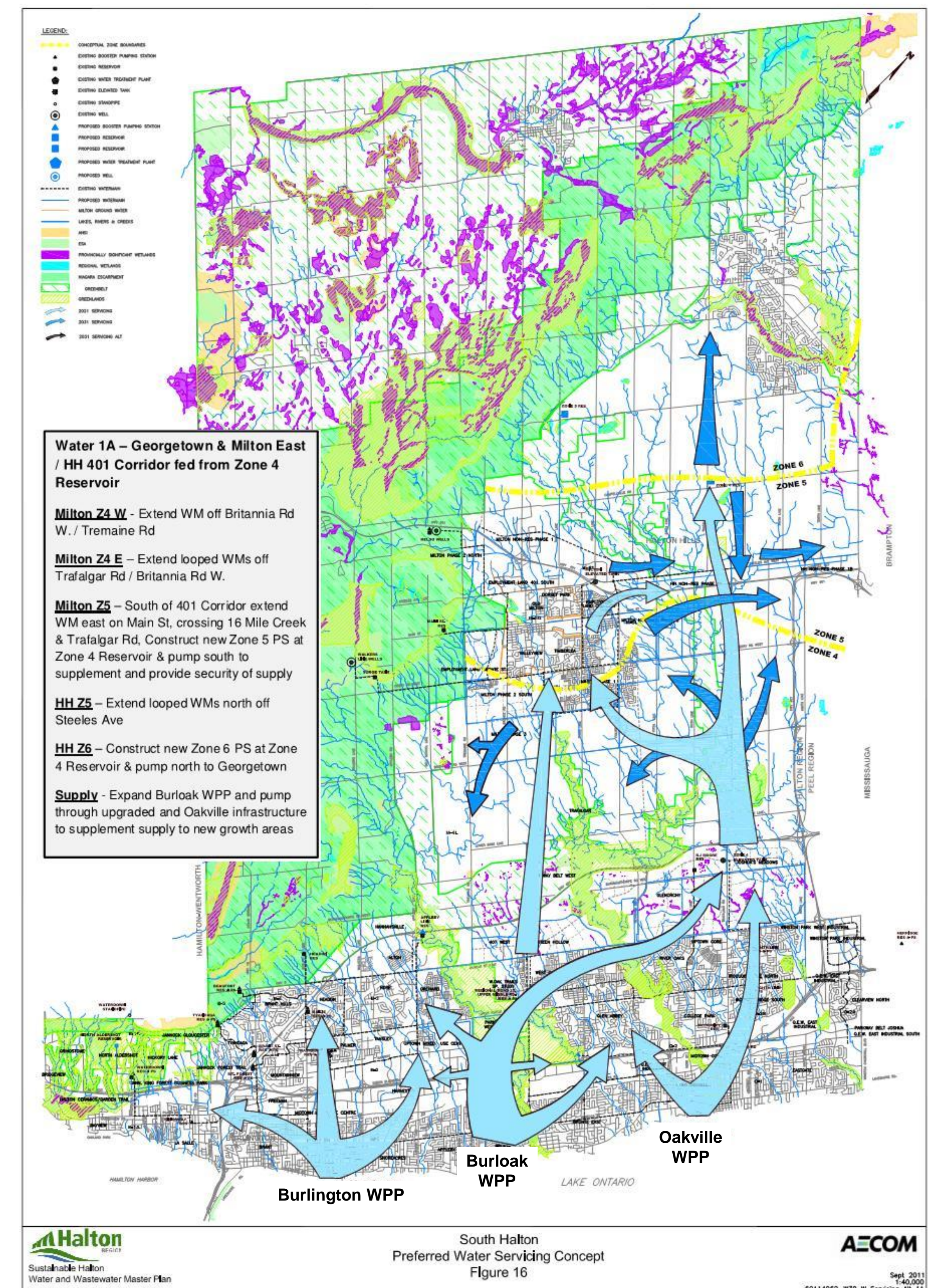
**Your feedback is important to us!**





# Project Background

- The large majority of the Region's residents in the City of Burlington, Town of Oakville, and parts of Town of Milton are serviced by the South Halton Lake-based water Distribution System.
- This includes the three water purification plants (WPPs) located in Oakville and Burlington (Burlington WPP, Oakville WPP and Burloak WPP).
- The Sustainable Halton Water and Wastewater Master Plan (Master Plan) was prepared in 2011 to ensure that the growing demand for drinking water within the Region for the 2031 planning horizon is met.
- The Master Plan recommended that the existing capacity of the Oakville WPP be increased from 109 million litres per day (ML/d) to 130 ML/d.
- In addition, occasional high raw water turbidity issues occur 1 to 4 times per year, due to large post-storm sediment transport from the discharge of the nearby Sixteen Mile Creek.



Recommended water servicing concept from Sustainable Halton Water and Wastewater Master Plan (2011)



# Project Background

## *Phase 1 and Phase 2 Upgrades*

Recent upgrades completed at Oakville WPP:

Phase 1 Upgrades	Phase 2 Upgrades
<ul style="list-style-type: none"><li>• Completed in 2009</li><li>• Included:<ul style="list-style-type: none"><li>✓ Addition of Actiflo® for improved particulate removal</li><li>✓ Addition of ozone for primary disinfection and taste and odour control</li><li>✓ New residuals management</li><li>✓ New 2 ML on-site reservoir</li><li>✓ Upgrades to all chemical systems.</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Completed in 2015</li><li>• Included:<ul style="list-style-type: none"><li>✓ Upgrades to low lift pumping station</li><li>✓ Upgrades to filtration system</li><li>✓ New high lift pumping station</li><li>✓ Miscellaneous plant upgrades</li></ul></li></ul>

# Project Purpose

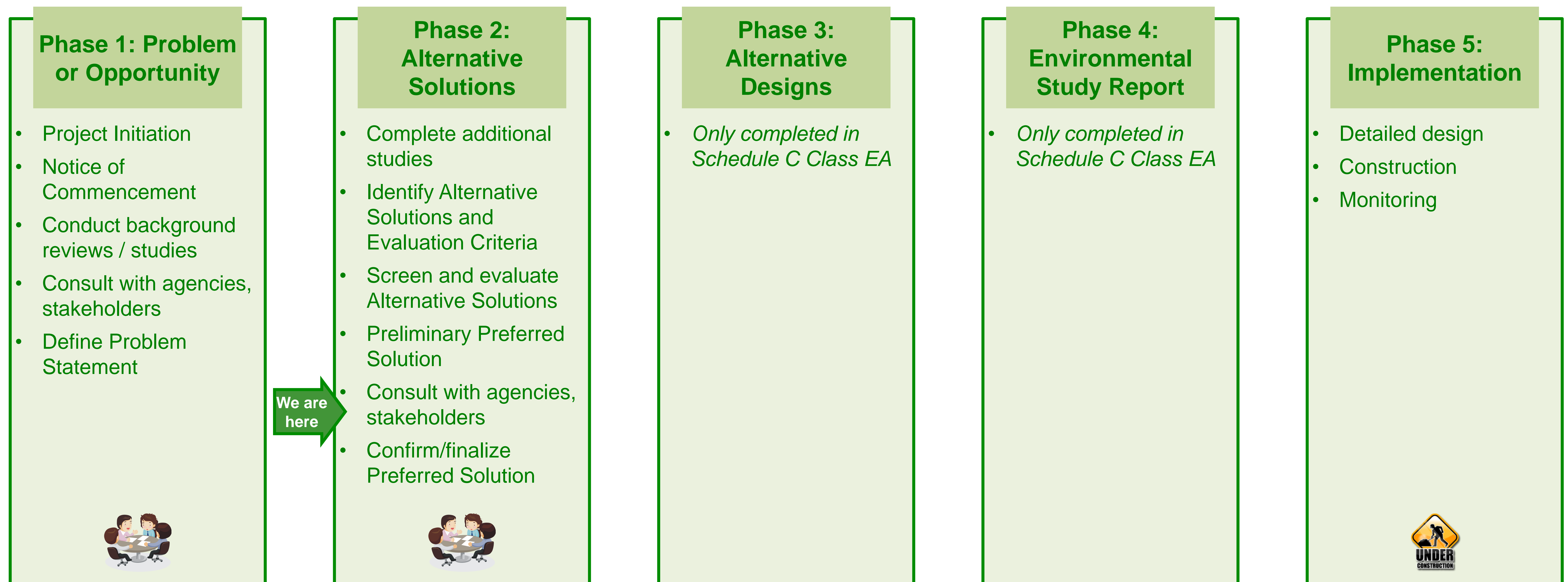
- Purpose of this project is included in its Problem Statement, which reads:

*The purpose of the Class Environmental Assessment study is to identify a preferred solution to meet the water servicing objectives for the South Halton area in accordance with the Sustainable Halton Water and Wastewater Master Plan, 2011. The study is also investigating potential risks to security of supply including occasional raw water quality issues as the result of Sixteen Mile Creek influences.*

- Project is following the Municipal Class Environmental Assessment (EA) Process, Schedule B

# Class Environmental Assessment Process

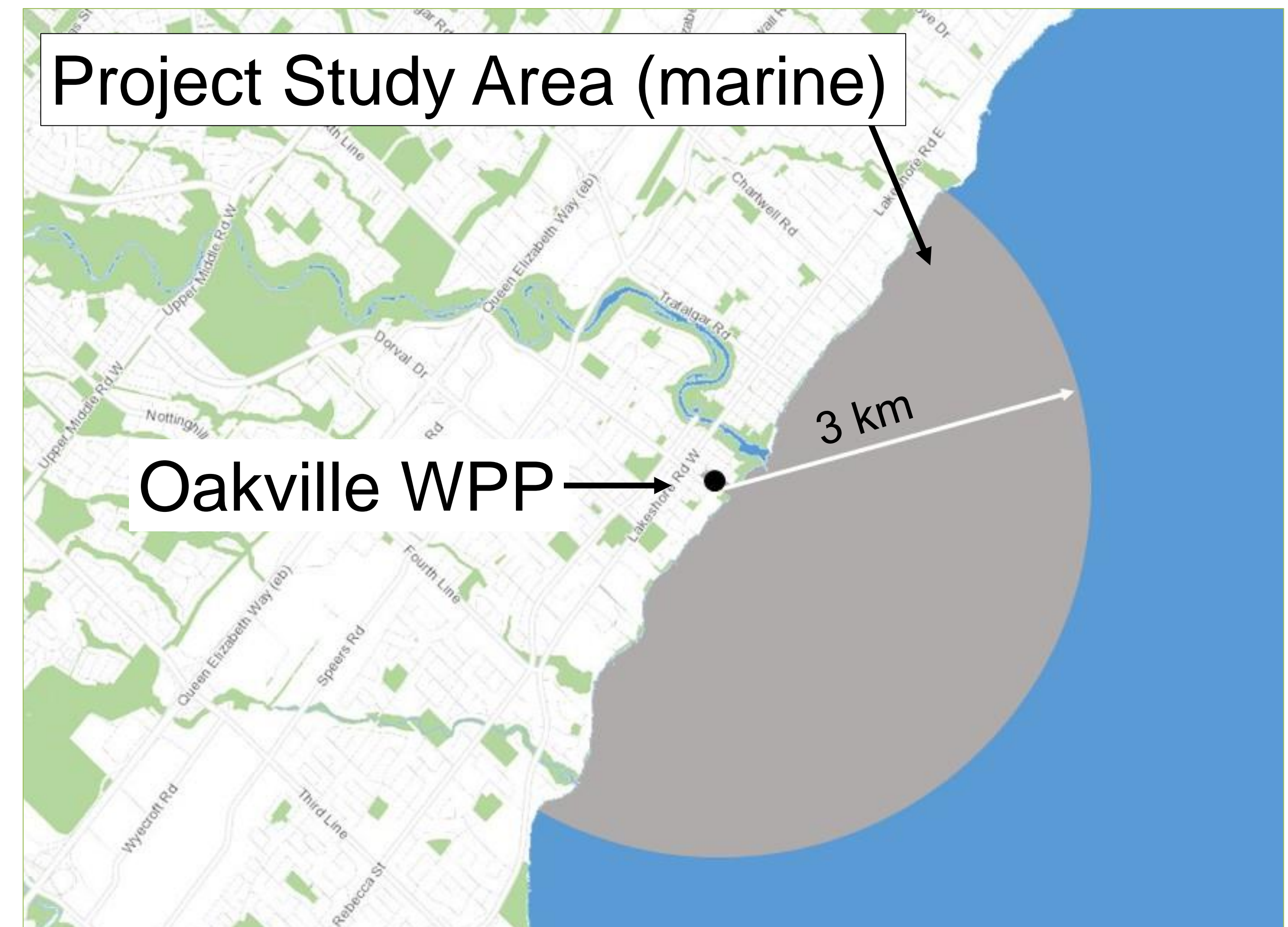
- A Class EA is a study to plan for a proposed project, which includes background and technical studies, a review and assessment of potential environmental, social and economic impacts and how they can be avoided, and an evaluation of possible alternatives.
- The result for this Class EA (Schedule B) is a Project File Report, which documents the process and lists the commitments made by the proponent.
- The Class EA process is completed in accordance with the *Environmental Assessment Act*.





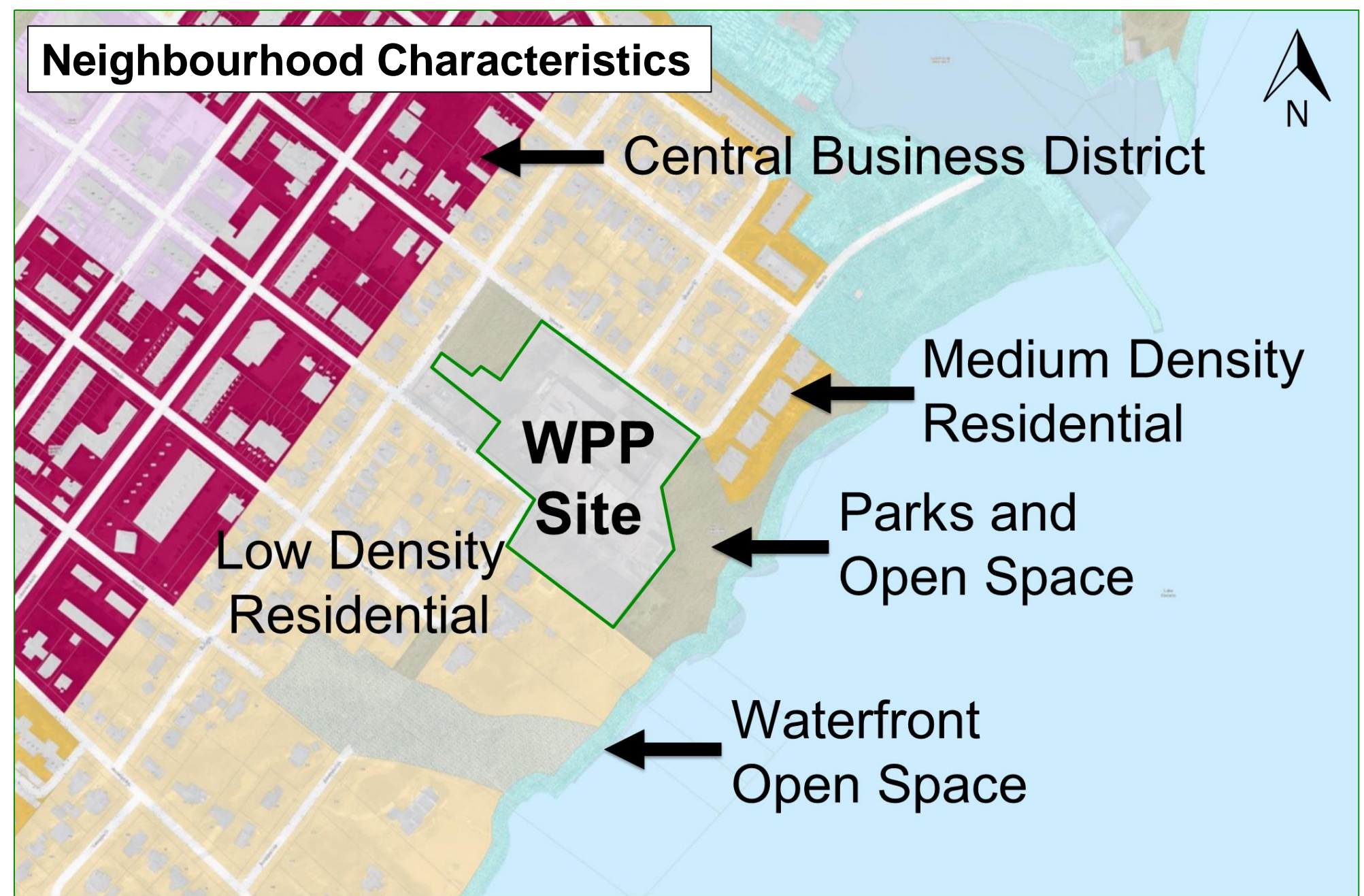
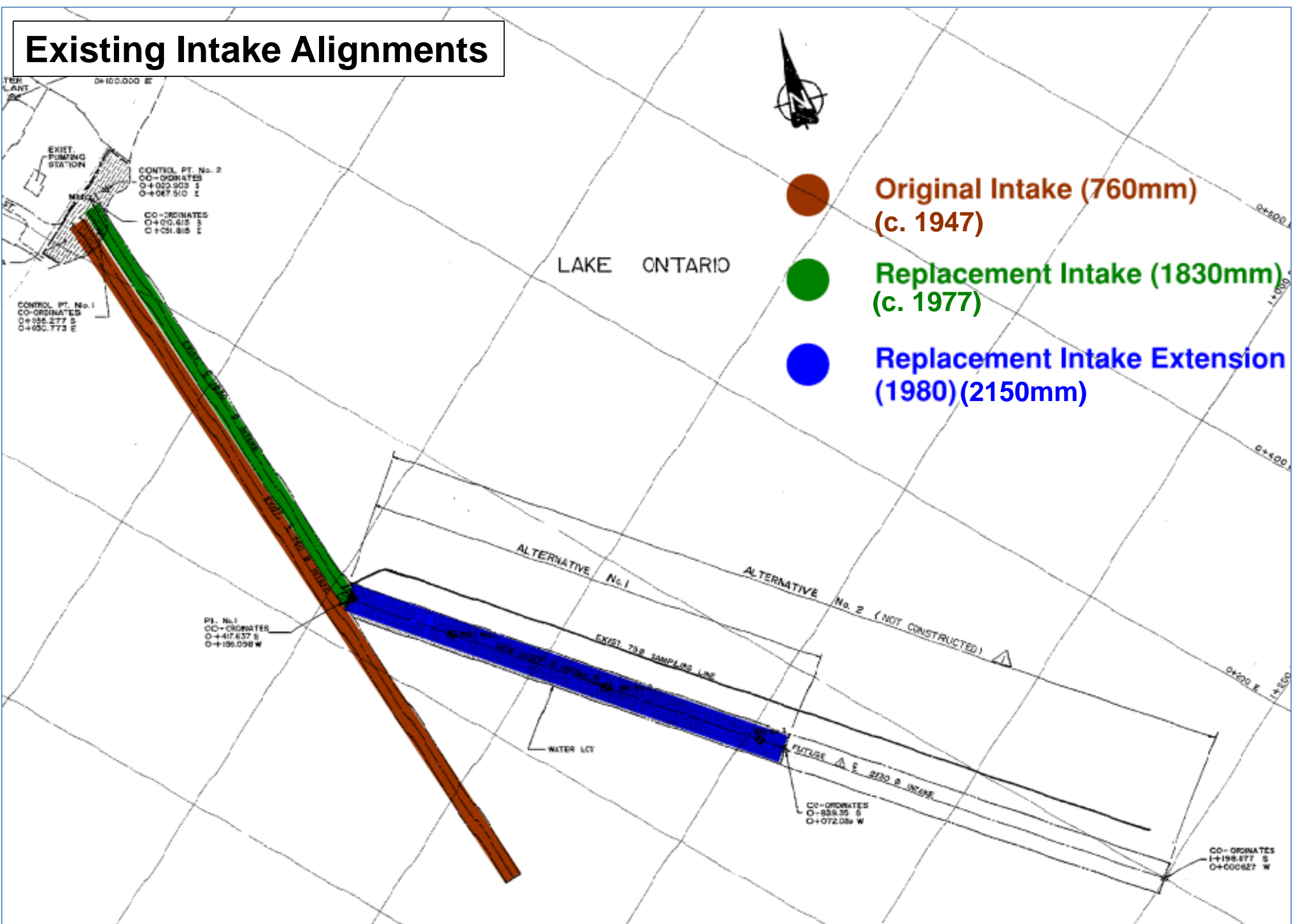
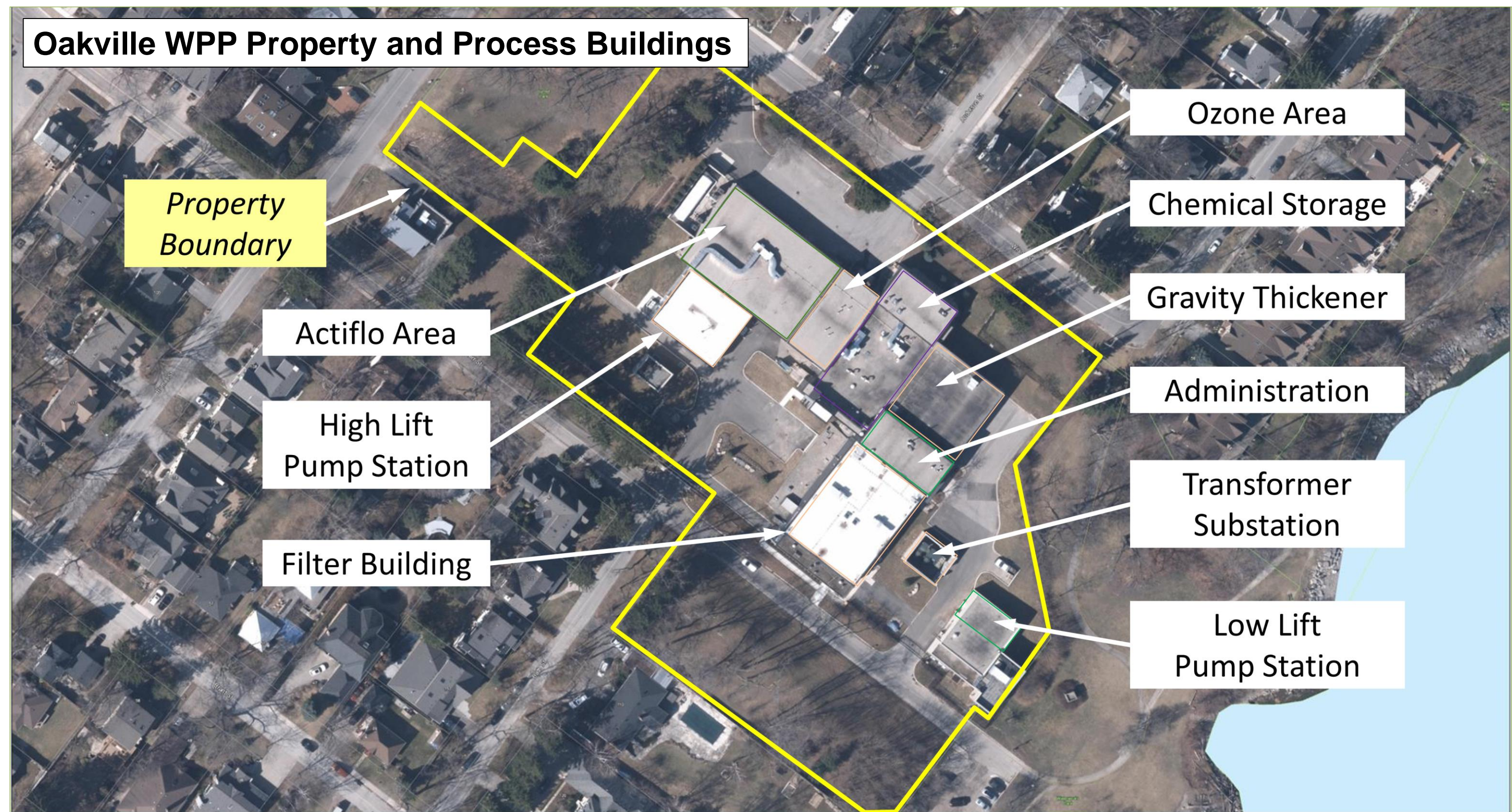
# Project Study Area

- Project study area includes the site of the Oakville WPP and area south to the lake, plus a 3 km radius into Lake Ontario





# Project Setting





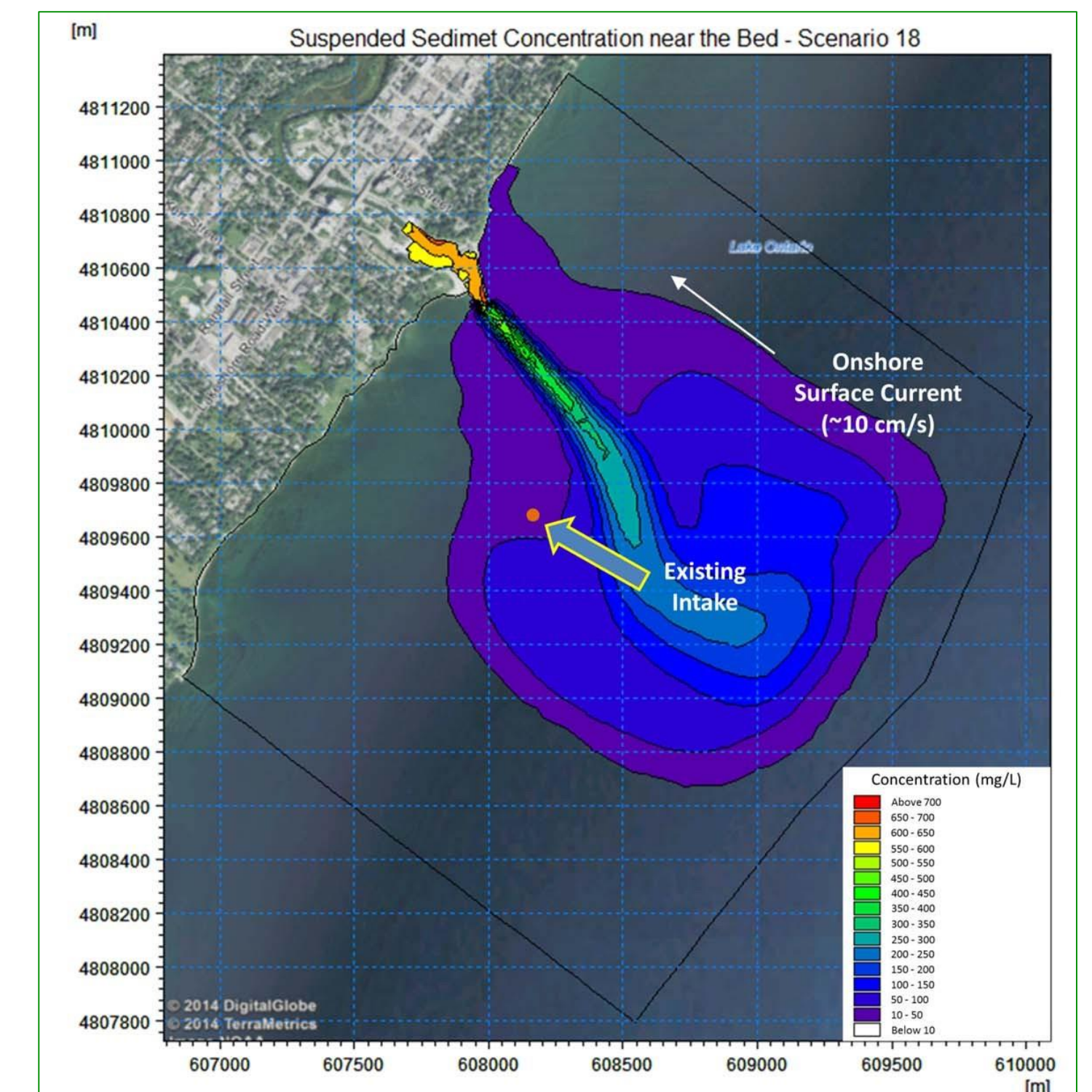
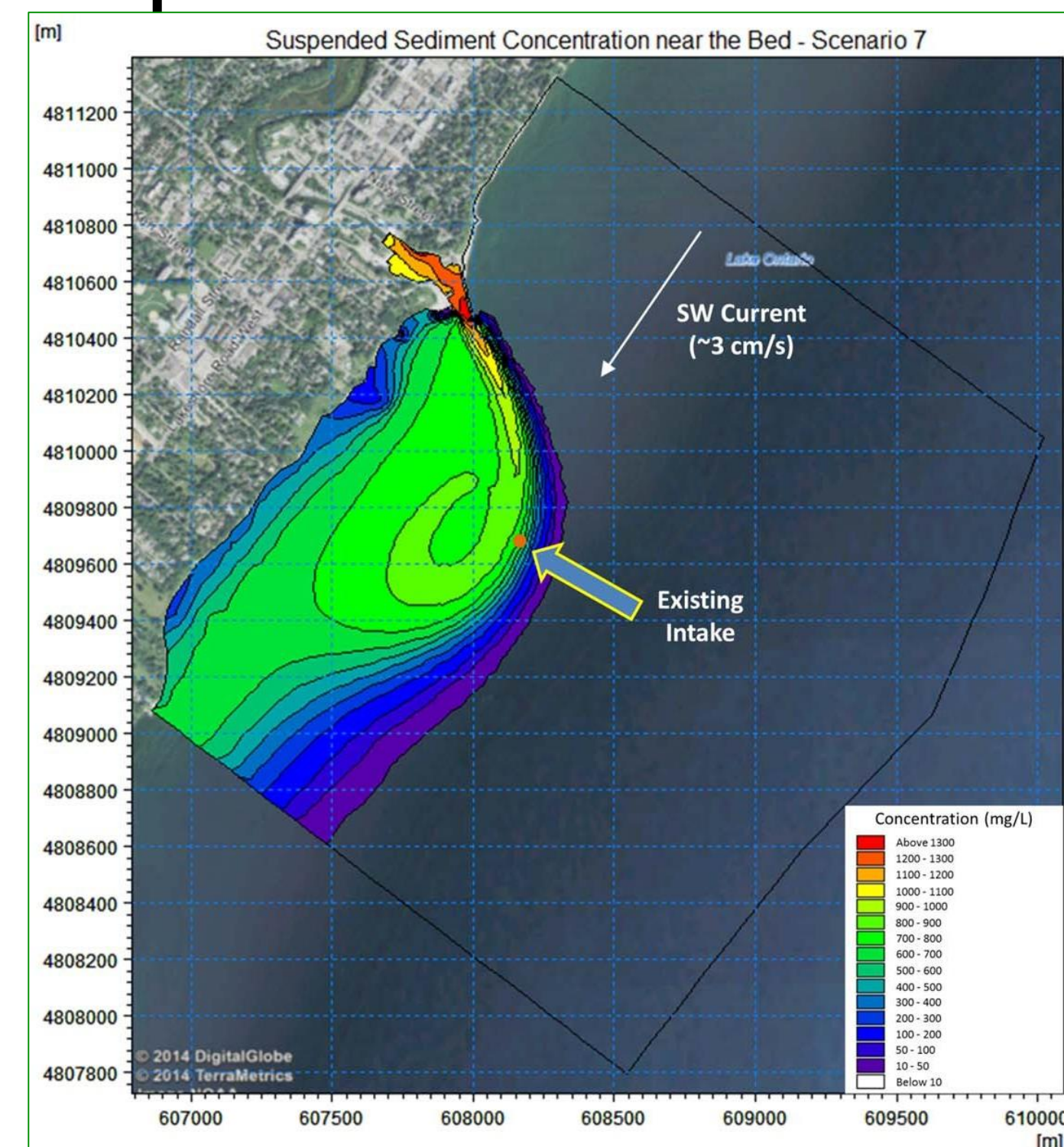
# Supporting Studies

## *Environmental & Geomorphological Baseline*

- No significant terrestrial features were identified on site.
- Lake shoreline is home to at least 27 fish species.
  - Majority of fish caught include Emerald Shiner, Gizzard Shad, White Sucker, Brown Trout and the invasive Round Goby.
  - Species at Risk records indicate Northern Bobwhite, Redside Dace, and Shortnose Cisco in the vicinity of plant and raw water intake.
- Geomorphological Baseline study examined sediment plume from Sixteen Mile Creek. Results were used in Plume Delineation study.

## *Sixteen Mile Creek Plume Delineation*

- A study was conducted on the sediment transport exiting Sixteen Mile Creek, which assessed 29 different scenarios with varying wind and current conditions (2 examples below).
- The study was used to estimate an overall sediment plume boundary and identify potential locations for a new intake.





# Supporting Studies (continued)

## ***Baseline Plant Capacity Review***

- A desktop and field review of the existing works was completed to assess baseline capacity of the plant's hydraulics, processes, and chemical systems.
- Minor hydraulic challenges were identified that were subsequently investigated further during a full-scale test run of the plant.
- No major limitations were found regarding existing processes or chemical systems.

## ***Full-scale Test Run of the Oakville WPP***

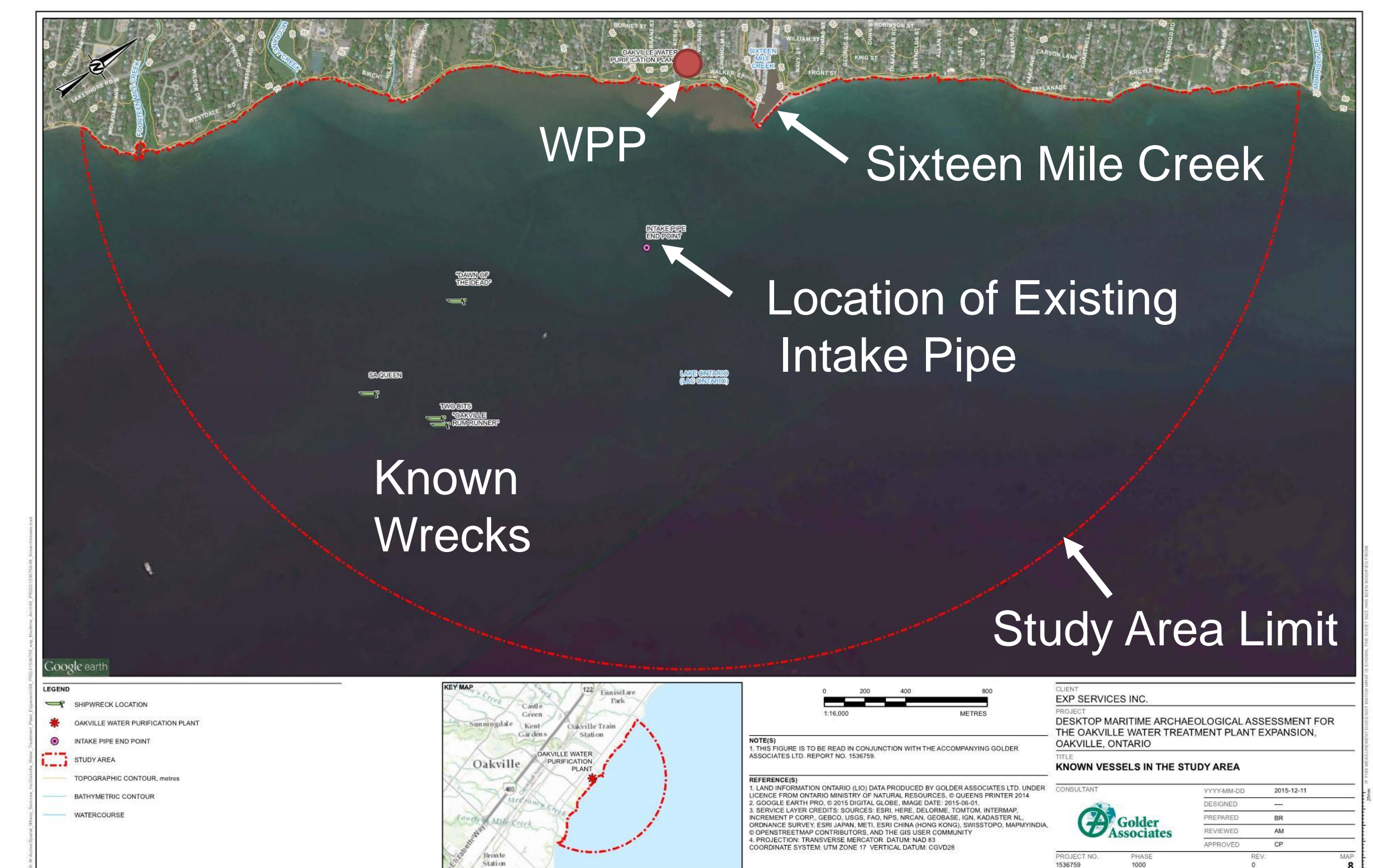
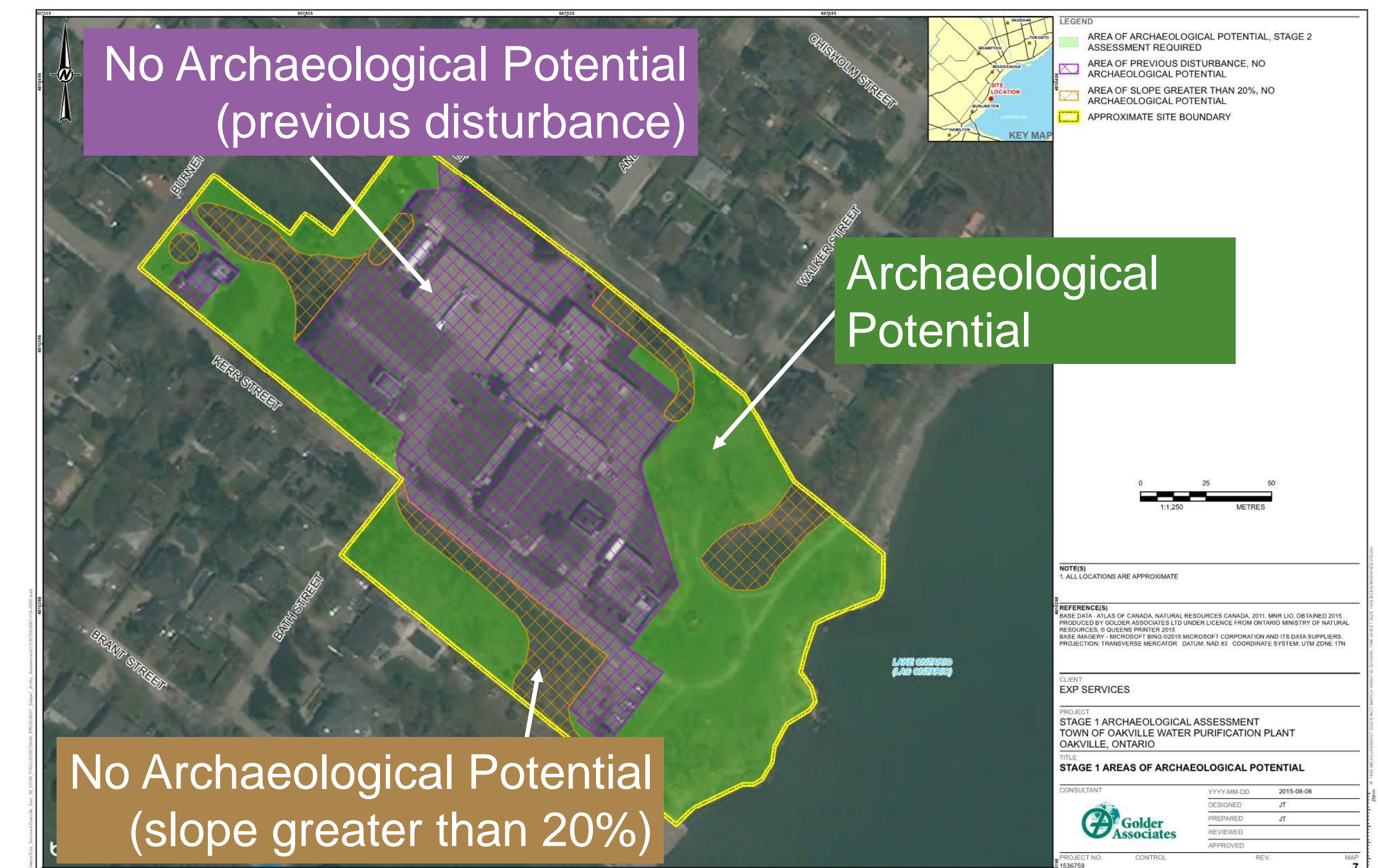
- A full-scale test of the targeted production capacity was conducted on May 5, 2015, which consisted of 3 hours of net production at 130 ML/d and a filter backwash.
- Moderate challenges were encountered during the filter backwash, including low water flow to Filter 1 and Clearwell and Reservoir storage depletion, both of which have been encountered before at higher flows.
- Findings from the test resulted in a list of recommendations in the following categories: operational, monitoring, minor in-plant capital upgrades.



# Supporting Studies (continued)

## Terrestrial and Marine Archaeological Assessments

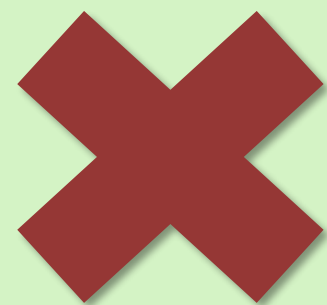

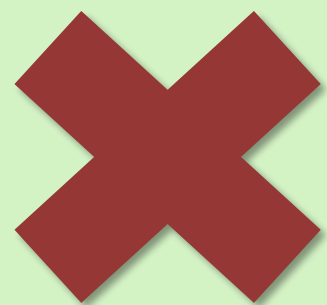
- Stage 1 Terrestrial and Marine Archaeological Assessments (AA) were completed.
- **Stage 1 Terrestrial AA** found some archaeological potential within study area, but little to none on WPP site. A Stage 2 AA would be required if works were undertaken in these areas.
- **Stage 1 Marine AA** identified ship wrecks within study area, but all were outside the areas where potential work would take place. Additional marine AA would be required if works were conducted offshore.





# Alternative Solutions

- Three Alternative Solutions were screened based on Pass/Fail criteria.

1. Do Nothing	2. Rerate the Existing Oakville WPP	3. Expand the Existing Oakville WPP
<p>Operating the plant using its existing equipment. This alternative establishes a baseline for comparison.</p>	<p>Rerating the plant up to 130 ML/d with minor, necessary in-plant capital upgrades to optimize performance. Three sub-alternatives for addressing raw water turbidity influences include:</p> <ul style="list-style-type: none"><li>a) Plant-based solution for turbidity</li><li>b) Extend intake solution for turbidity</li><li>c) New Intake solution for turbidity</li></ul>	<p>Physical expansion of the plant for the additional 21 ML/d production capacity to achieve overall 130 ML/d production capacity. Three sub-alternatives for addressing raw water turbidity influences include:</p> <ul style="list-style-type: none"><li>a) Plant-based solution for turbidity</li><li>b) Extend intake solution for turbidity</li><li>c) New Intake solution for turbidity</li></ul>
<div><p><b>Does not address problem statement</b></p></div>	<div><p><b>Carried Forward for Detailed Evaluation</b></p></div>	<div><p><b>Not technically feasible due to property limitations</b></p></div>



# Screened Alternative Solutions for Detailed Evaluation

## Screened Alternative 2A – Rerating with In-Plant Solution

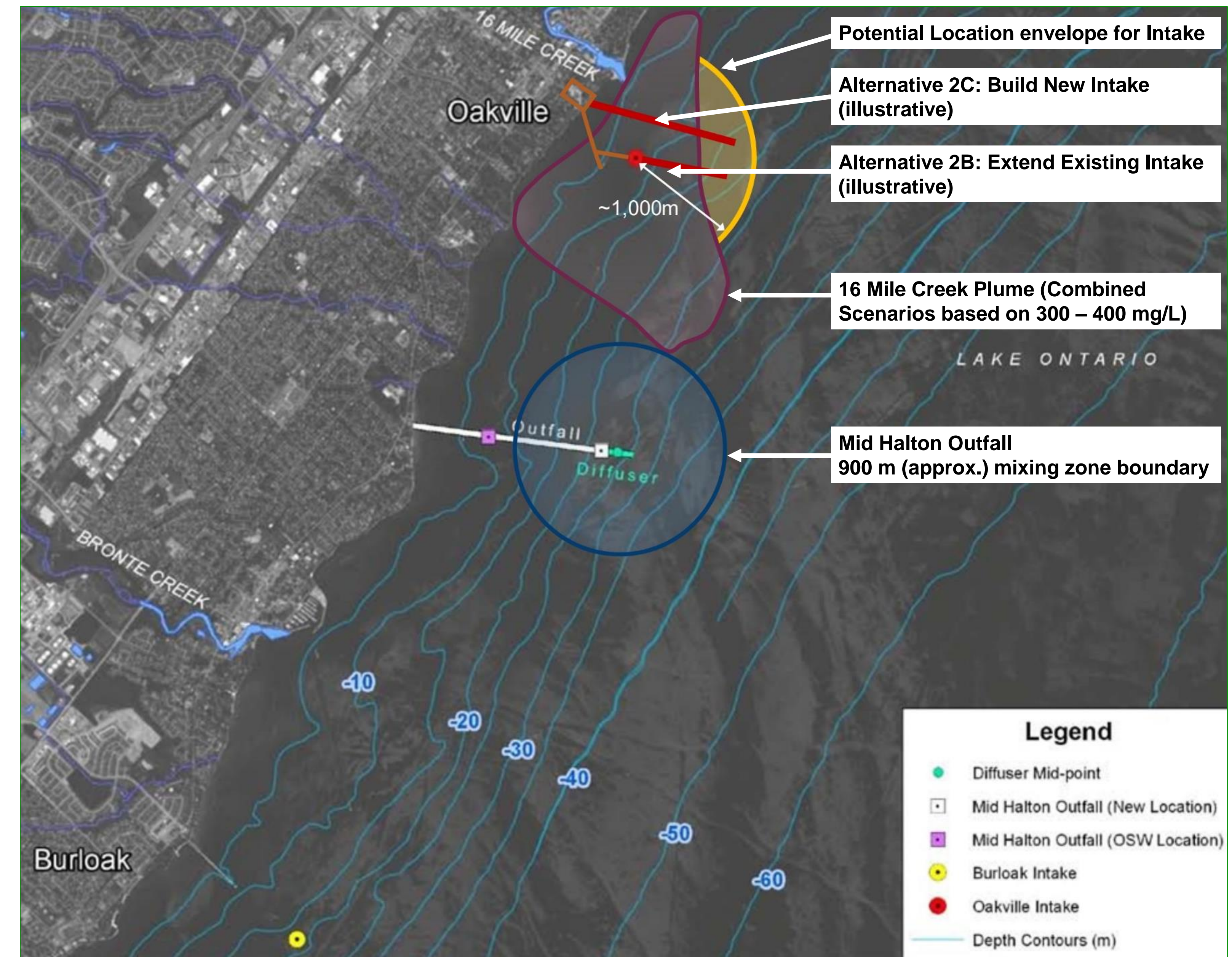
- Minor upgrades to optimize plant performance to achieve up to 130 ML/d production capacity.
- **Plant-based solution** to address security of supply risks associated with raw water turbidity episodes.

## Screened Alternative 2B - Rerating with Extended Intake Solution

- Minor upgrades to optimize plant performance to achieve up to 130 ML/d production capacity.
- **Extend existing intake** to address security of supply risks associated with raw water turbidity episodes (see diagram).

## Screened Alternative 2C - Rerating with New Intake Solution

- Minor upgrades to optimize plant performance to achieve up to 130 ML/d production capacity.
- **Build new intake** to address security of supply risks associated with raw water turbidity episodes (see diagram).





# Evaluation Criteria

Criteria	Criteria Considerations	Indicators
<b>1. Natural Environmental Criteria</b>		
1a. Fisheries and aquatic systems	The alternative’s potential negative impacts on fisheries and aquatic systems	a) Avoids disruption to aquatic habitat b) Avoids impact to fish spawning areas c) Avoids potential impact to aquatic species at risk
1b. Terrestrial systems	The alternative’s potential impacts on land-based habitats or systems, including possible effects on the shoreline and wildlife and terrestrial features/functions	a) Avoids disruption to terrestrial habitat/shoreline b) Potential impact to plant and animal species is minimum or negligible
<b>2. Social Environmental Criteria</b>		
2a. Noise, vibration and other disruptions during construction	The potential of the alternative to increase noise, vibration or other disruptions during construction	a) No potential disruption to use of local park and shoreline path, parking area, docking bay. b) No potential noise, and vibration impacts during construction c) No potential disruption from increased construction traffic
2b. Noise, vibration and other disruptions during operations	The potential of the alternative to increase noise, vibration or other disruptions during operations	a) No potential disruption to use of local park and shoreline path, parking area, docking bay. b) No potential noise and vibration impacts during operations c) No potential disruption from traffic in and out of WPP
<b>3. Cultural Environmental Criteria</b>		
3a. Archaeology	Archaeological impacts of the proposed alternative	a) Extent of archeological potential in the study area is minimum or negligible b) Potential of the alternative to have archaeological impacts is minimum or negligible
<b>4. Technical Criteria (implementation and operation)</b>		
4a. Ability of the alternative to produce 130 ML/d of potable water for distribution	Reliability of the plant to produce 130 ML/d given security of supply risks (i.e., raw water turbidity episodes)	a) WPP is operable at 130 ML/d production during high turbidity events (100 NTU) (i.e., post-storm events or creek dredging)
4b. Water treatment plant and distribution system operations	Impact of the alternative on operability and maintainability of the water treatment plant and distribution system during and post-construction	a) Potential improvement to plant hydraulics and chemical systems b) Extent of impact on Halton water distribution system c) Extent of impact on WPP maintenance and operations
4c. Constructability	The alternative can be easily implemented on a technical and constructability basis	a) Technical challenges involved in implementation / construction
4d. Regulatory requirements	Approval requirements for the alternative	a) Number of approvals required b) Complexity of approvals
<b>5. Economic Criteria</b>		
5a. Costs	Cost associated with implementing and maintaining the alternative	a) Initial capital cost b) Overall lifecycle cost (over minimum 50 year period)





# Evaluation Results – Summary

Criteria	Alternative 2A: Minor upgrades / In-plant solution	Alternative 2B: Minor upgrades / Extend existing intake	Alternative 2C: Minor upgrades / Construct new intake
1. Natural Environment	●	◐	○
2. Social Environment	●	◐	○
3. Cultural Environment	●	◐	○
4. Technical	◐	●	◐
5. Economic	●	◐	○

● High preference   ◐ Moderate preference   ○ Low preference



# Evaluation Results: Preliminary Preferred Solution

Criteria	Alternative 2A: Minor upgrades / In-plant solution 	Alternative 2B: Minor upgrades / Extend existing intake	Alternative 2C: Minor upgrades / Construct new intake
Overall Evaluation Summary and Rationale	 Alternative 2A is <b>most preferred</b> : <ul style="list-style-type: none"> <li>• It would have the lowest impacts with respect to the natural and social environment.</li> <li>• It would adequately address security of supply risks associated with raw water turbidity.</li> <li>• It has the lowest cost.</li> </ul>	 Alternative 2B is <b>moderately preferred</b> : <ul style="list-style-type: none"> <li>• It would provide greater security of supply with respect to risks associated with raw water turbidity than Alternative 2A and be easier and less costly to construct compared to Alternative 2C.</li> <li>• However, compared to Alternative 2A, it would also be more expensive and its construction be more disruptive to the natural and social environment.</li> </ul>	 Alternative 2C is <b>least preferred</b> : <ul style="list-style-type: none"> <li>• While it, along with Alternative 2B, would provide the greatest security of supply with respect to risks associated with raw water turbidity, construction of the new intake would have the greatest impact on the natural and social environment.</li> <li>• Alternative 2C would also be the most technically challenging and have the highest cost.</li> </ul>

● High preference    ◐ Moderate preference    ○ Low preference

## **Attachment 4: Received Comment Forms**

[illegible]





## for Capacity Increase of the Oakville Water Purification Plant, Town of Oakville, Ward 2

**Our File: PR-2989A**

Public Information Centre

**June 9, 2016**

**(please print)**

[illegible]





## COMMENT SHEET

### Municipal Class Environmental Assessment Study for Capacity Increase of the Oakville Water Purification Plant, Town of Oakville, Ward 2 Our File: PR-2989A

Public Information Centre  
June 9, 2016

Halton Region is interested in hearing any comments, questions or concerns that you may have regarding this project. Please take some time to complete this Comment Sheet. All comments will be carefully considered in the Class Environmental Assessment Study. Please drop your completed Comment Sheet in the box provided, or mail/e-mail your comments to either of the following individuals by **Friday, June 24, 2016**.

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Brampton, ON L6T 4V1  
arun.jain@exp.com

#### COMMENTS

G.A. Lyles Taylor - [REDACTED] Wilson  
(CHANGED PREVIOUS YELLOW LIGHTS OVER PARKING  
LOT STAIRS + OZONE AREA  
EAST SIDE WHITE LIGHTS  
SHINE INTO OUR GLASS FRONT PORCH)  
PLEASE PUT YELLOW LIGHTS BACK IN.)

G.A.L. [REDACTED]

*Additional space available on other side*

### Contact Information (Optional)

Name:

Mailing address:

E-mail:

Telephone:

**Please note:** Comments and information regarding this study are being collected to assist Halton Region in meeting the requirements of the *Environmental Assessment Act*. This material will be maintained on file for use during the study and may be included in project documentation. Information will be collected in accordance with the *Municipal Freedom of Information and Protection of Privacy Act*. With the exception of personal information, all comments will become part of the public record.

**Municipal Class Environmental Assessment Study  
for Capacity Increase of the Oakville Water Purification Plant, Town of Oakville, Ward 2  
Our File: PR-2989A**

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arun.jain@exp.com

COMMENTS

Having been through Oakville Water  
Plant reconstruction twice (2009 & 2015)  
I'm hoping for minimum disruption.

CONCERNS

1. Construction
2. Noise – on-going
3. Security

*Additional space available on other side*

**Contact Information (Optional)**

**Name:**

**Mailing address:**

**E-mail:**

**Telephone:**

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Brampton, ON L6T 4V1  
arun.jain@exp.com

*Chris MacIsaac*

COMMENTS

1. Any added equipment needs to be noise tested such that the before and after noise level of the overall plant does not increase. incl. monthly <sup>20m</sup> testing of the new standby testing of this equipment.
2. Security of this plant needs improvement. Deliveries off Wilson need to have trucks inside the locked compound. OR if the gates need to be left open due to space considerations during delivery Additional space available on other side

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*Security, I want should be at the gate*



**Contact Information (Optional)**

Name:

Mailing address:

E-mail:

Telephone:

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