

# Municipality of Port Hope

## Port Hope Project Update

2021 June 15





# Outline

## 1. Port Hope Project Update

- Long-Term Waste Management Facility
- Waterfront Sites
- Highland Drive area Sites
- Small-Scale Sites
- Industrial Sites

## 2. Port Granby Project Update



# PHAI Cleanup Criteria Timeline



## Cleanup Criteria Established

- Conservative levels for arsenic, uranium
- Based on available information

2001

2012  
to  
2019



## Property Tests/Remediation

- 25,000 Port Hope soil samples
- Large number driven by arsenic, uranium criteria
- More property impact, time, cost than intended



## Expert Studies Concluded

Increasing levels for arsenic, uranium  
pose no additional risk to human  
health, environment

2012  
&  
2019

2019



## CNL application to CNSC

- Ensure MPH council, staff kept informed
- Feedback from regulators, e.g. MECP incorporated as CNL follows CNSC application and review process
- Final change requires acceptance - all parties



## Stakeholder Engagement

- Extensive education, engagement and comment process undertaken
- Report submitted for CNSC review

2020  
to  
2021

2022



## CNSC Review/Decision

- CNSC hearing: review application, consider public interventions
- CNSC decision: 2022?





# The Big Picture



## Proposed change to PHAI Cleanup Criteria

- Public Engagement
- Special Circumstances Protocol



## Privately Owned Properties

- Arsenic Impacts
- Scheduling





# Long-Term Waste Management Facility



**PORT HOPE**



Canadian Nuclear  
Laboratories | Laboratoires Nucléaires  
Canadiens

UNRESTRICTED



# Waste Receipt



Waste Placed (m<sup>3</sup>)

	20-Jun	20-Jul	20-Aug	20-Sep	20-Oct	20-Nov	20-Dec	21-Jan	21-Feb	21-Mar	21- Apr	21-May
On-Site Waste (m3)	21.32	62.10	61.06	25.58	29.05	4640.98	1405.50	1082.77	3869.23	3034.14	1700.00	547.50
Off-Site Waste (m3)	25.44	1359.26	1312.32	1117.64	2916.56	3595.58	2579.53	4369.54	3937.78	4729.50	7405.5	3399.00

# Cell 2b Construction



Final of 4 cells expected to be completed by fall 2021





# Remediation & Verification of Forested and Brush Areas



Final grading and restoration has started in some areas





# Waterfront Sites





# Waterworks East

- Remediation completed last fall
- Restoration to be completed in June 2021





# Port Hope Harbour and Centre Pier



- Work continues to reconstruct debris dewatering area for mechanically dredged sediments
- Preparation for mechanical dredging and improvements to the water treatment system underway
- Contaminated soils and water is being transported to the LTWMF



# Port Hope Harbour and Centre Pier



Winterization of water treatment system components



Removal of debris from dewatering area and reconstruction of sediment dewatering area for mechanically dredged sediments



Decontamination and unconditional release of equipment



Installation of remote turbidity monitors



# Mill Street Site



# Mill Street Site



- Exceeded original estimate for volume
- Bulk remediation completed with restoration upcoming
- No challenges with ground water
- Contractor transitioning to Viaducts





# Viaducts



- Additional delineation drilling to inform design
- Design incorporates safe set-backs from railroad infrastructure





# Strachan Street Site



- Tree removal was completed in spring to get ahead of nesting season
- Work underway with planned road closure starting in mid-June





# Waterworks West



- Tree removal was completed to support additional delineation drilling
- Design package being updated





# Upcoming work – Waterfront Sites



## WATERWORKS WEST

Remediation winter 2021



## ALEXANDER STREET RAVINE

Design package underway





# Highland Drive Area Sites





# Highland Drive Landfill & Area



## PINE STREET N. E. TEMPORARY STORAGE SITES

- Completed 2019
- Used as laydown area in PSNE CS remediation



## HIGHLAND DRIVE LANDFILL

- Remediation designs (95%) completed
- Preparing Environmental Compliance Approval Amendment (ECA) – to be submitted on behalf of the County to MECP
- Remediation planned for 2023
- Work on PSNE Roadbed executed with Landfill



## HIGHLAND DRIVE SOUTH RAVINE

- Environmental risk assessment underway to determine best path forward for the site.



## HIGHLAND DRIVE ROADBED

- Remediation time TBD



# Pine Street North Extension Consolidation Site



Contamination control areas



Excavation underway





# Privately Owned Properties



**DURING REMEDIATION**

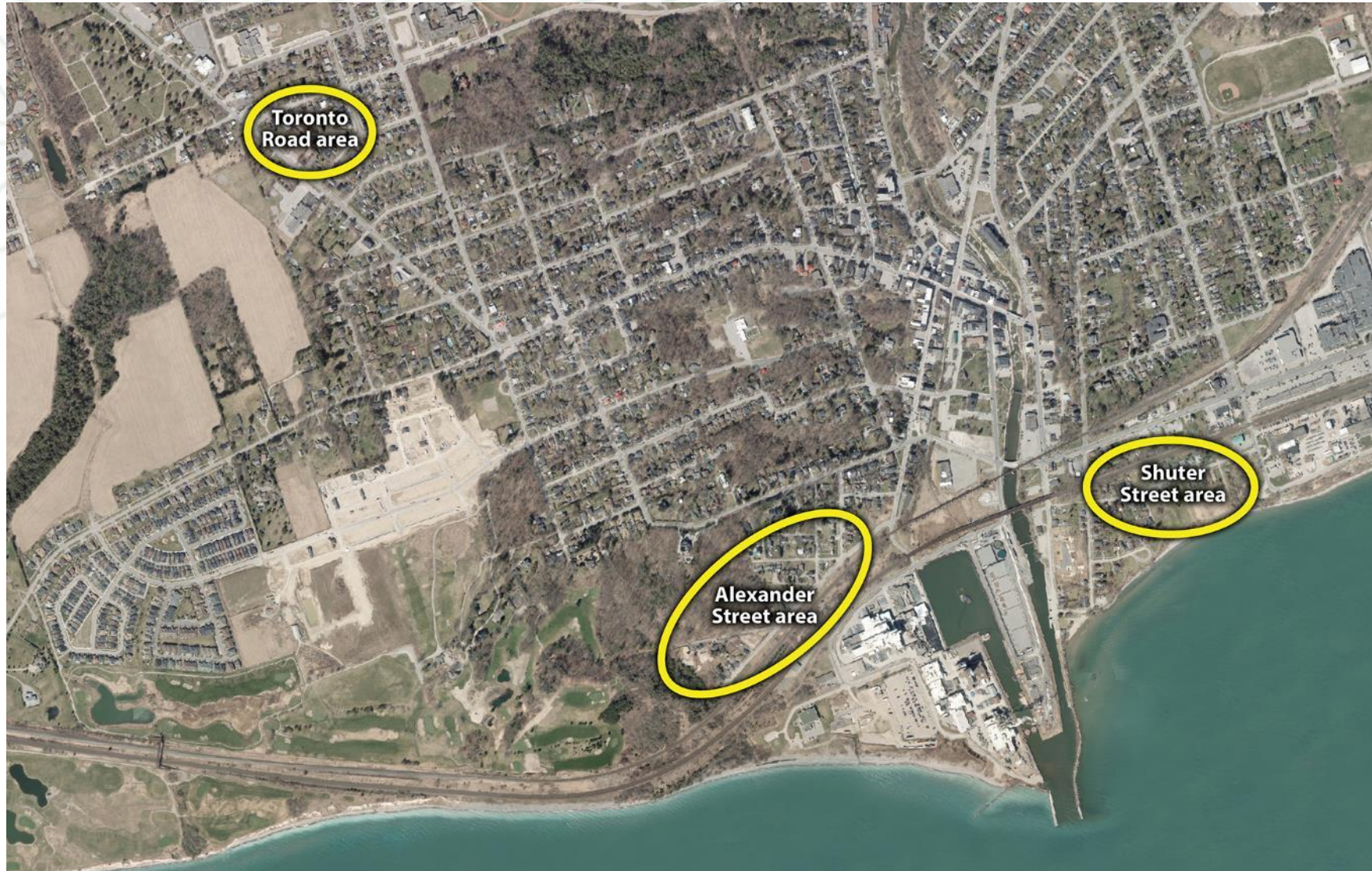


**AFTER REMEDIATION**



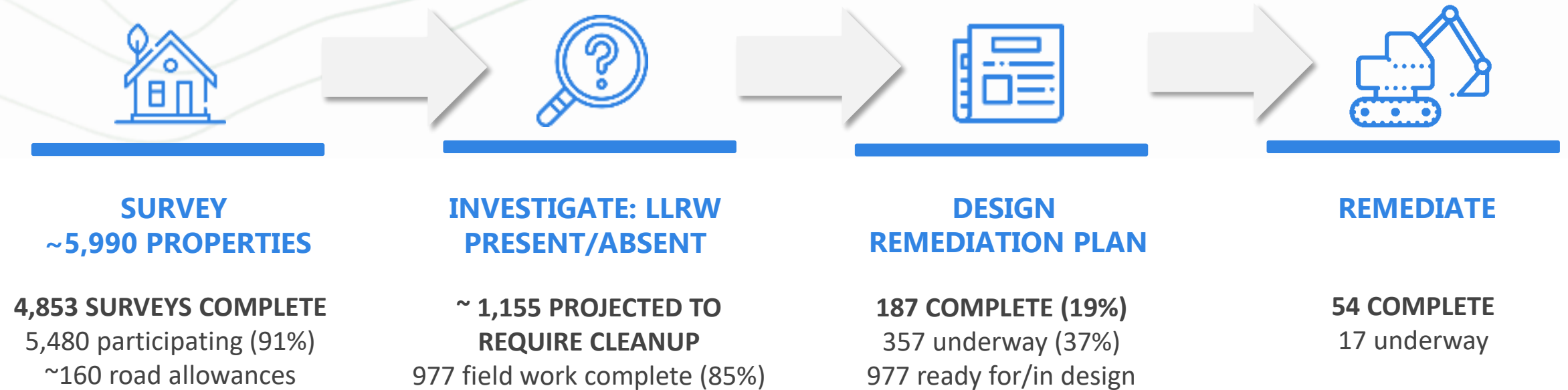


# Small Scale Sites Remediation and Restoration: Overview





# Small Scale Sites Remediation and Restoration: Overview





# Industrial Sites & Sculthorpe Marsh



## ● CHEMETRON LAGOON ● SCULTHORPE MARSH

- Preparing to accelerate work to late 2021 and continue in 2022
- Environmental Site Assessment and Record of Site Conditions (ESA/RSC) will follow in 2023, along with Sculthorpe Marsh



## CENTRE PIER

- ESA Phase 1 and 2 completed
- Remediation will be part of the Harbour project work – scheduled 2024



## FORMER COAL GASIFICATION PLANT

- ESA Phase 1 and 2 completed
- Remediation planned 2022/23



## LIONS PARK

- ESA Phase 1 and 2 completed
- Remediation planned 2022/23



# Port Granby

- Waste removal is complete and the legacy site is being restored
- Capping and closing of the mound is underway and is expected to be completed by the end of 2021
- Return of traffic to the old Lakeshore Road planned summer 2021



**NORTH SITE**



**LEGACY SOUTH SITE**



# Port Granby Phase III - Long-Term Monitoring



EAST GORGE  
GROUNDWATER  
COLLECTION SYSTEM



EQUALIZATION POND  
CLEANOUT



AIR MONITORING



CONTINUED SAFETY  
OVERSIGHT





# Thank You

## **HISTORIC WASTE PROGRAM MANAGEMENT OFFICE**

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