



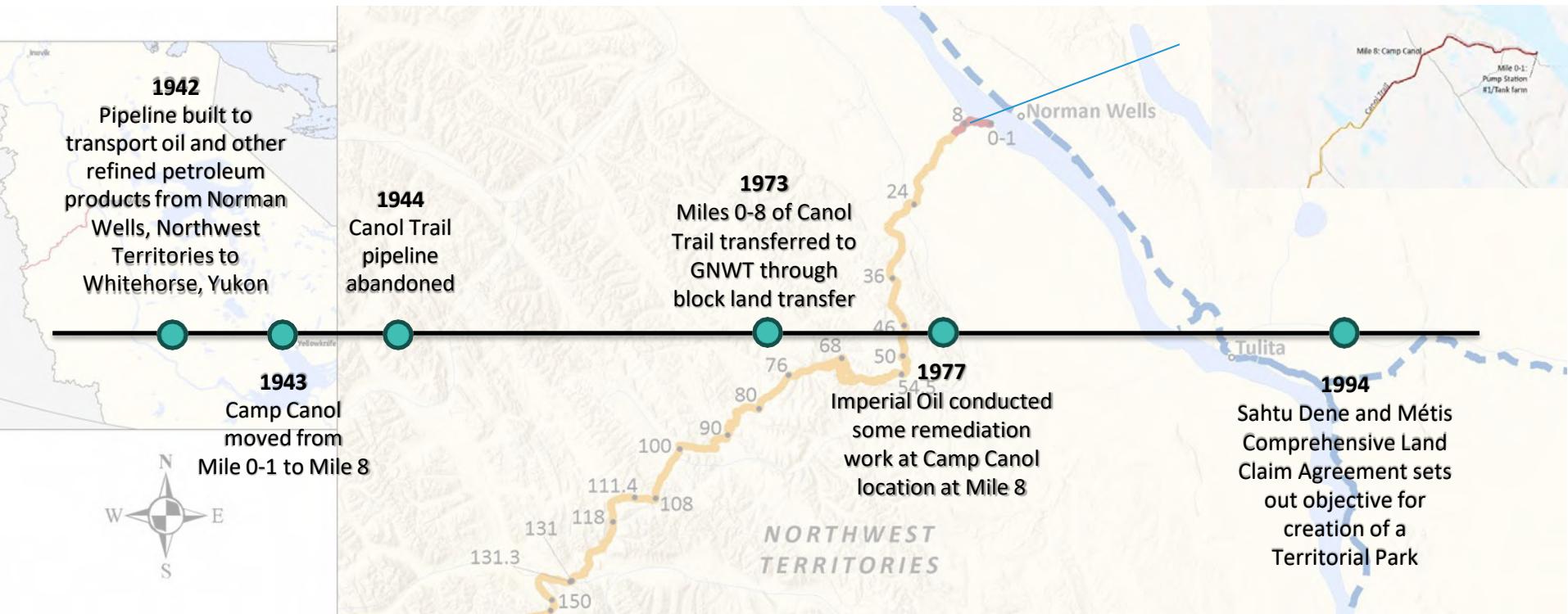
# Canol Trail Miles 0-8 Project

Norman Wells and Tulita  
2025

# Agenda

- **Background:**
  - Site History
  - Objectives
  - Scope of Work – current status
- **Completed Work:**
  - Archaeological Assessment work
  - Phase I/II, III Environmental Site Assessments, Supplemental Phase III ESAs
  - Human Health and Ecological Risk Assessments
  - Signage
- **Next Steps**
  - Closure Objectives
  - Community Information Sessions
  - Remedial Options Analysis, and Remediation and Risk Management Plan

# Background: Site History



# Background: Objectives

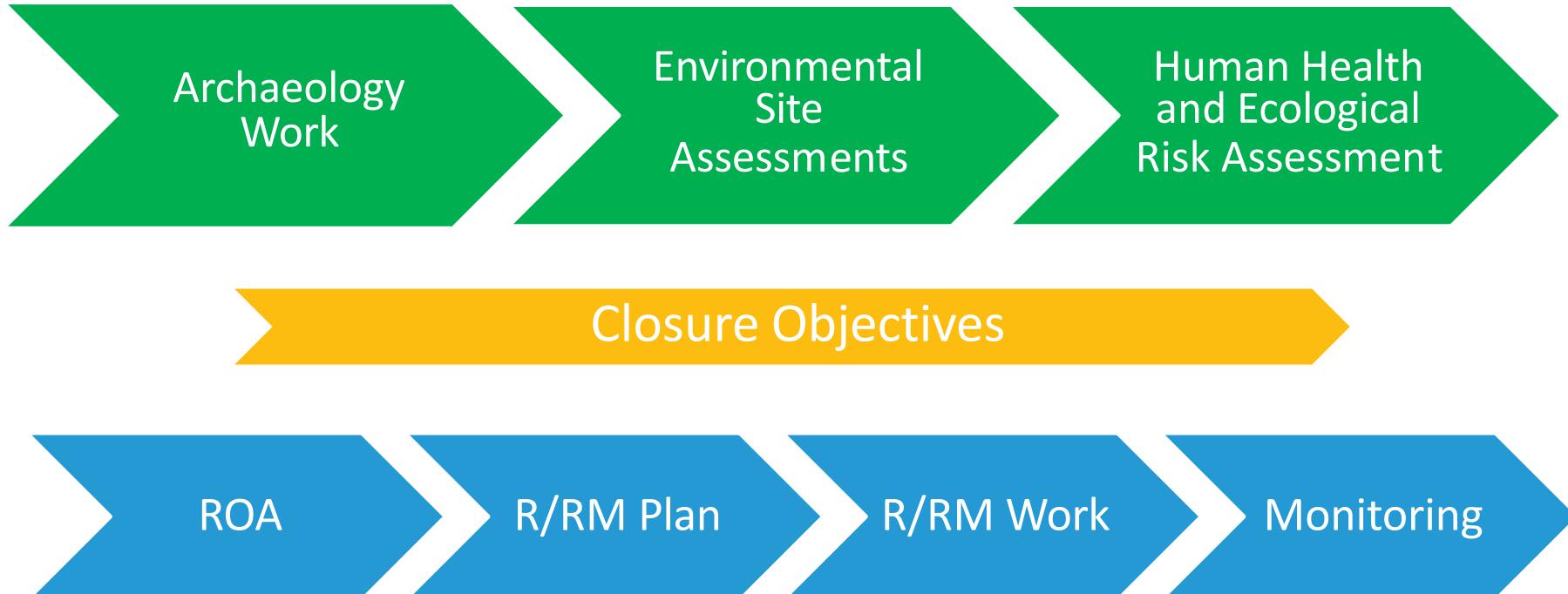
## Project Objectives

- To implement a remediation approach that is supported by key stakeholders while also reducing risks to trail users and being fiscally responsible; and
- To remediate the site to an acceptable level to support the creation of a territorial park.

## Engagement Objectives

- To share information on project progress;
- To collect feedback through engagement sessions; and
- Clearly communicate our processes for the project.

# Background: Current Status



# Key Takeaways

## Summary of archaeology work:

- AOA identified potential precontact and historic areas and recommended an AIA
- The archaeology workshop was helpful in understanding how the trail was used in the past and present
- The AIA confirmed and documented the precontact and historic areas
- Artifacts were catalogued and sent to the PWNHC
- Dependent on the location of any planned remediation work, the Territorial Archaeologists provided recommendations for additional archaeological work

## Archaeology Work



Interior of Nose Hanger at Mile 8

## Artifacts Found at Mile Sites



Photo 1: Pepsi-Cola Can

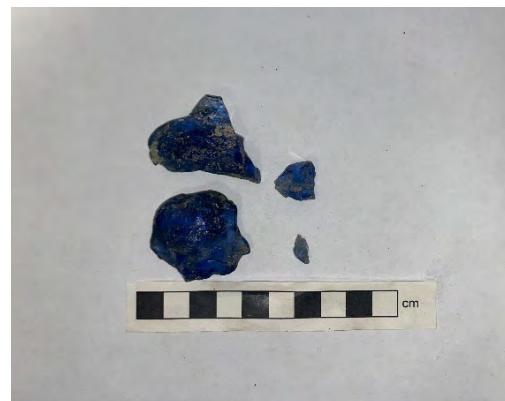


Photo 2: Blue Glass Shards



Photo 3: Clear Glass Piece



Photo 4: Nails



Photo 5: Brass Plate

# Historical Features found at Mile Sites



Photo 1: Utilidor at Mile 0-1



Photo 2: Snowplow at Mile 0-1



Photo 3: Barrel Stove at Mile 0-1



Photo 4: Truck 1 at Mile 8



Photo 5: Truck 2 at Mile 8



Photo 6: Stove at Mile 8

## Key Historical Buildings at Mile 0-1



Photo 1. Bathhouse



Photo 2. 4-Seater Outhouse



Photo 3. Pumphouse



Photo 4. Barges



Photo 5. Shed



Photo 6. Outhouse

## Key Historical Buildings at Mile 8



Photo 1: Garage Foundation



Photo 2: Collapsed Building



Photo 3: Horse Stable Building



Photo 4: Quonset huts



Photo 5: Shed



Photo 6: Nose Hangers

# Completed Work

Environmental  
Site Assessments

## Phase I ESA (2017)

Findings:

- The Phase I ESA identified 17 APECs at Mile 0-1 and 6 APECs at Mile 8.



Location of APECs at Mile 0-1



Location of APECs at Mile 8

# Completed Work

## Environmental Site Assessments

### Phase II ESA (2017)

#### Findings:

- The following contaminants were confirmed at several locations:
  - Fuel/oil;
  - Metals;
  - Asbestos and lead paint found in some building materials; and
  - Surface debris including drums, abandoned vehicles, scrap metal, and abandoned buildings.



Barrels

# Key Takeaways

## Environmental Site Assessments

### Phase III ESA (2020 and 2025)

- Most areas of concern have not been delineated, but data gathered from the ESAs is sufficient to determine the risk to people and the environment.
- There is good plant health at most Areas of (Potential) Environmental Concern (AECs).
- Site waterbodies do not naturally support aquatic life, therefore there are no aquatic life-related risks.
- A drone program identified:
  - Magnetic areas that match locations of where buildings and surficial debris were observed;
  - Three areas at Mile 0-1 and two areas at Mile 8 showed magnetic responses but could not be attributed to existing buildings or surface debris; and
  - No areas of buried debris were noted at Canol Lake.



Soil sampling near barrel

# Completed Work

## Human Health and Eco Risk Assessment

### Human Health and Ecological Risk Assessment (HHERA)



# Completed Work

Human Health and  
Eco Risk Assessment

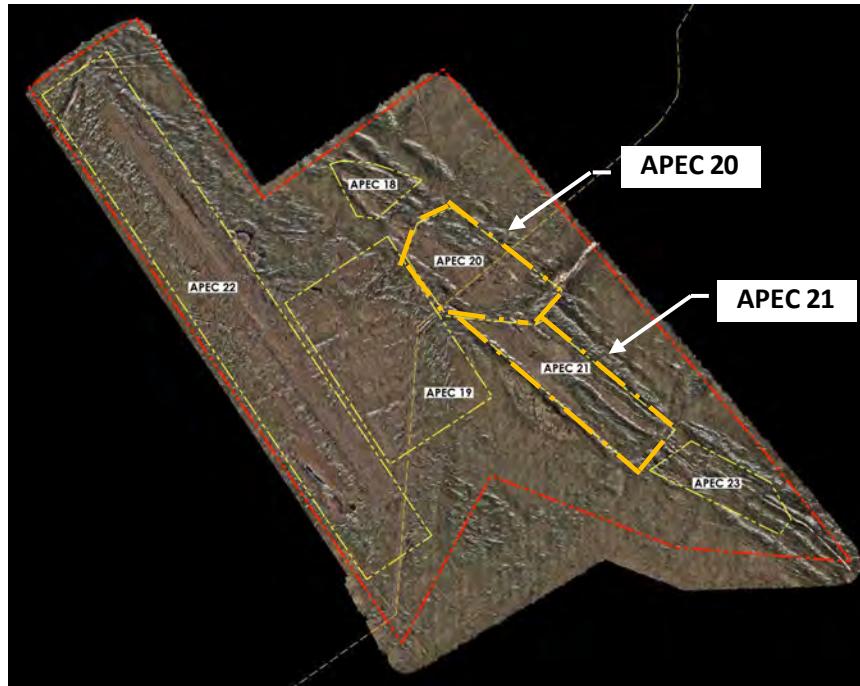
Miles 0-1 and Mile 8 of the Canol Trail



# Completed Work

## Human Health and Eco Risk Assessment

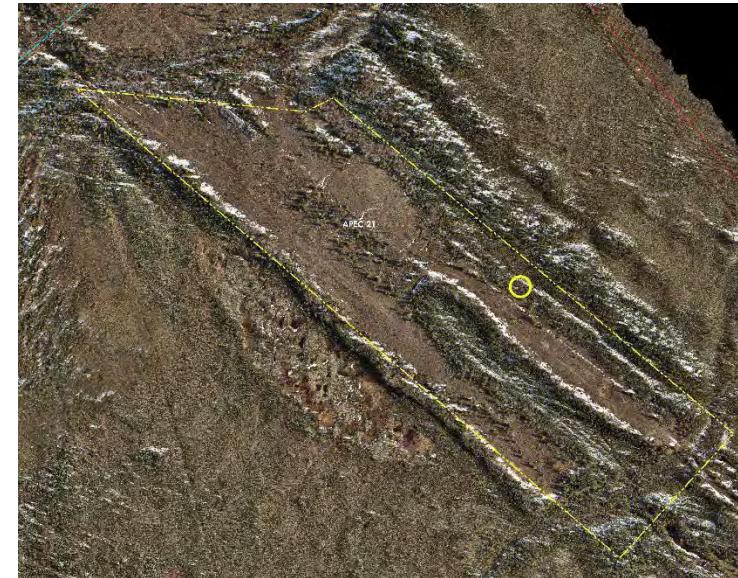
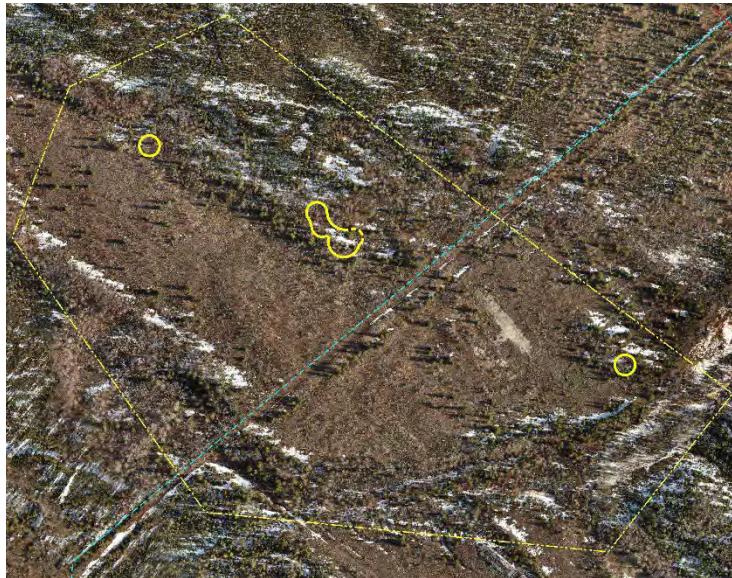
Areas of lead contaminated soil in at Mile 8 in APEC 20 (camp area 1) and APEC 21 (camp area 2)



# Completed Work

Human Health and  
Eco Risk Assessment

Areas of lead contaminated soil in APEC 20 (camp area 1) and APEC 21 (camp area 2)



# Key Takeaways

## Human Health and Eco Risk Assessment

### HHERA (2020 and 2024)

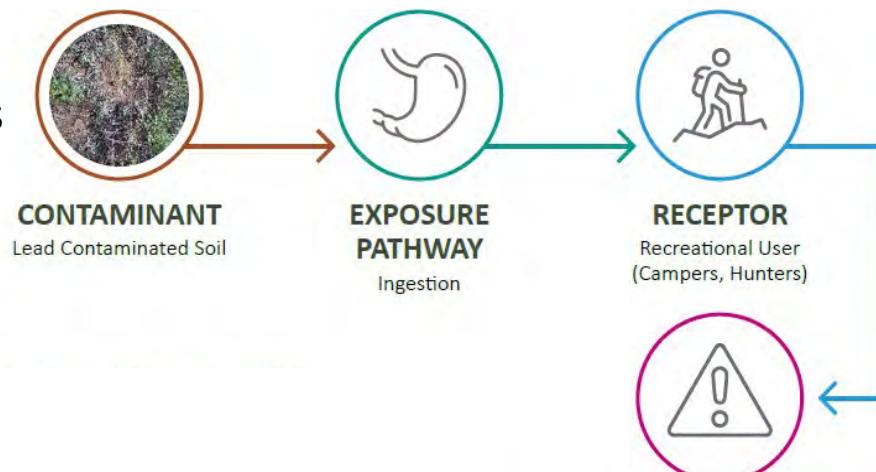
#### Findings - Human Health:

- Human health risks from contaminants were low, with the exception of four areas of lead contaminated soil at Mile 8.
- Areas of lead contaminated soil pose a risk to the health of trail users that come in contact with the soil. These areas should be remediated or managed.

#### Findings - Ecological Health:

- Ecological health risks from contaminants were low and no remedial or management actions are required.

#### Exposure Pathway Identified in the HHERA



# Completed Work - Signage Installation

## Signage Installation

- Completed in October 2023.
- Installation of signs at Mile 0-1, 8 and on existing structures.



Installing signage on building at Mile 8

# Project Summary: Work

Archaeology Work

Environmental Site Assessments

Human Health and Ecological Risk Assessment

Closure Objectives

ROA

R/RM Plan

R/RM Work

Monitoring

# Current Stage

## Closure Objectives

### Closure Objectives

1. Reduce Risks to Humans and the Environment
2. Enable Traditional and Future Land Use
3. Achieve and Maintain Regulatory Compliance
4. Preserve Heritage (Indigenous and Canol)
5. Manage, Reduce or Eliminate Long-Term Risk and Liability
6. Optimize Indigenous and northern participation
7. Cost Effectiveness

# Next Steps



FY2025/2026	Future
Remedial Options Analysis & Remediation/Risk Management Plan	Remediation/Risk Management Activities

GNWT to develop remedial options based on results of ESAs and HHERA

Engagement on the ROA

R/RM field program 

Develop  R/RM Plan

Long term monitoring(?)...

# Thank you



For more information, please contact:

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