



FOX-D Kivitoo Remediation Project 2019 Annual Report

NIRB File No 15DN048

January 22nd, 2024
Prepared by Rachel Theoret-Gosselin





2019 Annual Report For FOX-D Kivitoo

NIRB File No 15DN048

Monitoring and Reporting Requirements

Annual Report 2. The Proponent shall submit a comprehensive annual report with copies provided to the Nunavut Impact Review Board by March 31st of each year of permitted activities beginning March 31, 2017. The annual report must contain at least the following information:

- a) A summary of activities undertaken for the year, including:*
 - a map and summary of remediation activities undertaken;*

The final year of the remediation project consisted of final inspection and demobilization of all equipment. Final demobilization occurred from September 24 to September 30, 2019. Project activities completed in 2019-2020 include:

- ▶ Final grading of material storage areas;
- ▶ Demobilization of all equipment and materials via sealift;
- ▶ Transport and final disposal of all wastes to approved disposal facility; and
- ▶ Post-remediation community meeting.

Map of project provided in Appendix A.

- a map showing the location of the camp and fuel cache;*

Map of the camp pad and fuel storage area provided in Appendix B.

- a description of local hires, contracting opportunities and initiatives;*

The contract for the remediation of FOX-D Kivitoo site was awarded to Englobe Corp. and guaranteed 75% Inuit employment for on-site work and spending 85% of the subcontracting costs with Inuit owned businesses. The contractor has not met both goals of Inuit employment and subcontracting costs as only 53% Inuit were employed for on site work and 78% of subcontracting costs was spent with Inuit owned businesses. Contract Deductions (penalty fees) will be applied against Englobe Corp.’s contract in accordance to the Indigenous Benefits Program calculations. The employment and subcontracting statistics for 2019-20 are presented below:

Category	Metric	Value
Total employment	Number	23
	Person-hr	1143
Northern employment (includes Indigenous)	Number	4
	Person-hr	260
Indigenous employment	Number	3





	Person-hr	212
Total suppliers & sub-contractors	Number	0
	Value (\$)	0
Northern suppliers (includes Indigenous)	Number	0
	Value (\$)	0
Indigenous suppliers	Number	0
	Value (\$)	0

- *flight altitudes, frequency of flights and flight routes;*

No flights were required for the works completed in 2019. Workers have been transported to and from the Site by small boat from Qikiqtarjuaq.

- *details regarding the marine vessels used for barge transportation and their travel routes; and*

NEAS arrived on September 25, 2019 and provided sealift services to transport all heavy equipment, the Contractor camp, sea containers, soil and debris bags and materials from FOX-D to Montreal, Quebec (Valleyfield). All cargo was transferred to a shoreline staging area on the beach, loaded on a barge and transported to the sealift. The sealift departed on September 30, 2019.

- *site photos*

Site photos of work completed in 2019 are provided in Appendix C.

- b) *A work plan for the following year, including any progressive reclamation work undertaken;*

The year 2019-2020 marked the closure of the site, as such, there is no plan for future work on site. Because there are no features left on site, no Long Term Monitoring is required for this site.

- c) *A summary of community consultations undertaken throughout the year, providing copy of materials presented to community members, a description of issues and concerns raised, discussions with community members and advice as well as any follow-up actions that were required or taken to resolve any concerns expressed about the project proposal;*

A community meeting to inform the public of the completion of the project was held on March 4, 2020. The meeting presentation was made by Brandon Mackay of Englobe, and was attended by 22 community members, as well Lillian Kydd from CIRNAC and Jessica Stepney of AECOM. Janice Lee PSWGC (was not present). No specific concerns were expressed. Presentation provided during the community meeting can be found in Appendix D.





d) Summary of any consultation conducted with Government of Nunavut biologists and any relevant outcomes including revisions or alterations to the timing of project activities, wildlife plans, or updates to other plans associated with the project;

Given the nature and the scope of work that was completed in 2019, no consultation with Government of Nunavut biologists was required.

e) A log of instances in which community residents occupy or transit through the project area for the purpose of traditional land use or harvesting. This log should include the location and number of people encountered, activity being undertaken (e.g., berry picking, fishing, hunting, camping, etc.), date and time, and any mitigation measures or adaptive management undertaken to prevent disturbance;

No community residents were encountered during the 2019 work period.

f) A summary of how the Proponent has complied with conditions contained within this Screening Decision, and all conditions as required by other authorizations associated with the project proposal.

Except with the delay of submitting the annual report for 2019 and 2020, the FOX-D Kivitoo Remediation Project has maintained compliance with all the applicable terms and conditions of Screening Decision Report for NIRB No 15DN048. The project has also obtained and complied with all other pertinent licences and permits including:

- Land Use Permit N2016U0001
 - Modification No. 1 to allow open burning of unpainted and untreated wood
 - Modification No. 2 to extend permit from February 11th, 2018 to February 10th, 2020.
- Nunavut Water Board Water Licence No. 1BR-KIV1621
- INAC Quarry Permits
 - 2016QP0006
 - 2016QP0007
 - 2016QP0008
 - 2017QP0013
 - 2017QP0014
 - 2017QP0015
 - 2017QP0016
 - 2017QP0017
 - 2017QP0018
 - 2017QP0019
- Qikiqtani Inuit Association Land Use Exemption Certificate Q16X015 and QX-1904

Annual reports for Land Use Permit N2016U0001, Nunavut Water Board Water Licence No. 1BR-KIV1621, and the Quarry Permits were submitted to relevant authorities.





All waste transported off-site was disposed at the following facilities:

- ▶ Récupération M. Hart Inc: Non-hazardous wastes, concrete, painted wood, metals, ash;
- ▶ Signaterre: PHC contaminated soil;
- ▶ Stablex: Lead impacted soil; and
- ▶ Solva Rec: Asbestos containing materials.

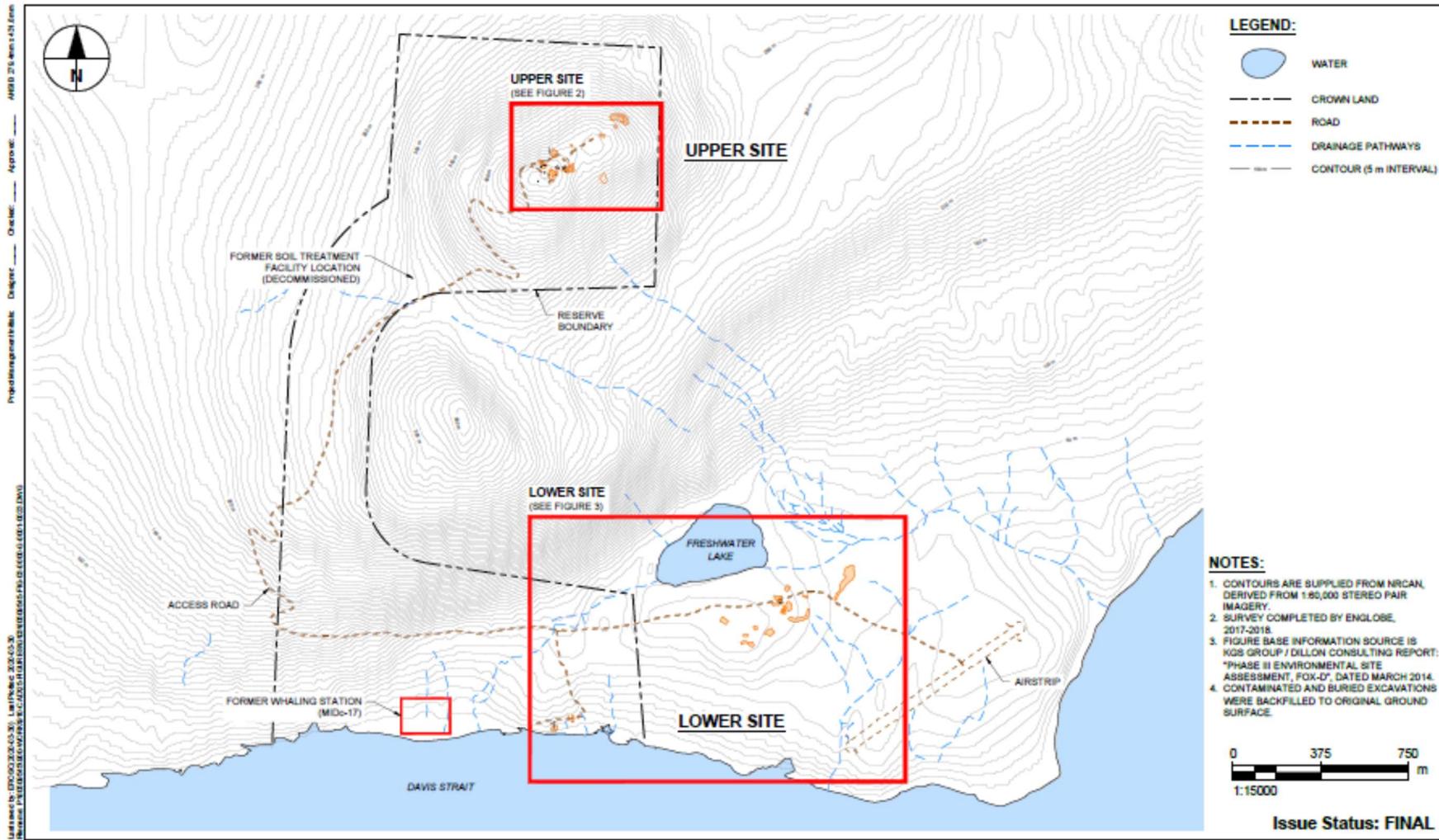
Clean wood was incinerated on site. Contaminated soils were excavated and remediated or shipped for off-site disposal in the South. Buried debris sites were excavated and wastes were shipped for off-site disposal in all instances except for the South Slope Dump, which was designated as a Class-C Low-risk landfill site and was capped. All wastes generated during demobilization were transported for off-site disposal.





Appendix A
Overall Project Site Map





FOX-D, Kivtoo Site Remediation
2016-2018 Construction Figures
Public Services and Procurement Canada
Project No.: 60509545 Date: 2020-03-30

OVERALL SITE PLAN

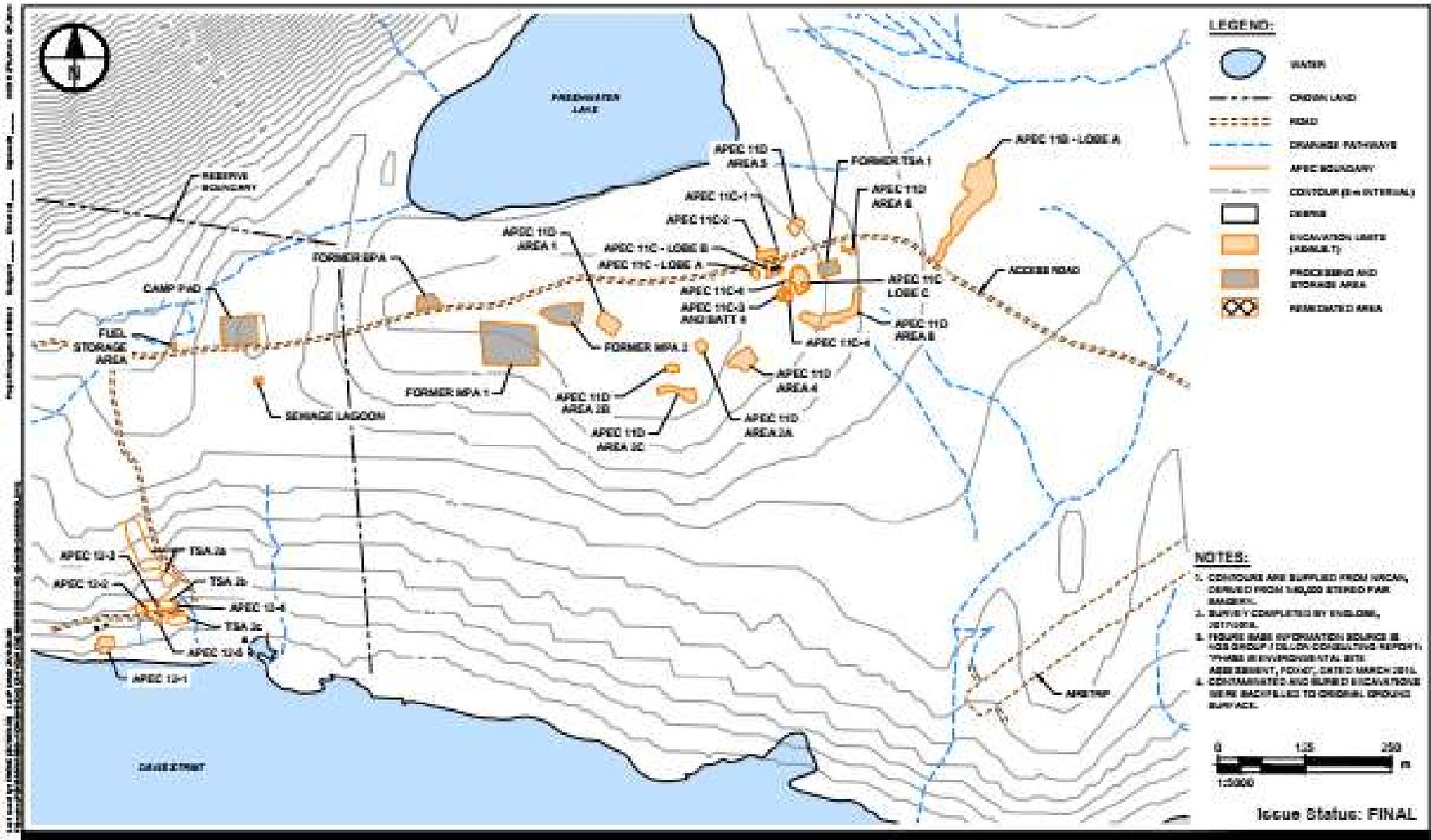
AECOM
Figure 1





Appendix B
Map of camp and fuel storage





FOU-D, Kivikoo Site Remediation 2016-2018 Construction Figures Public Services and Procurement Canada Project No.: 65506545 Date: 2020-03-20

LOWER SITE SITE PLAN



Figure 3





Appendix C
Photographic log of work performed in 2019





PHOTOGRAPHIC RECORD

Site Name:
FOX-D

Site Location:
Kivitoo, NU

Project No.
60509545

Photo No.
103

Date:
2019-09-24

Description:

Sorting debris from pallets that were taken apart over the winter near beach.



Photo No.
104

Date:
2019-09-24

Description:

Debris pickup in Temporary Storage Area 2a.





PHOTOGRAPHIC RECORD

Site Name: FOX-D	Site Location: Kivitoo, NU	Project No. 60509545
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Photo No. 105	Date: 2019-09-25
-------------------------	----------------------------

Description:

Rocks levelled to match surrounding landscape that were bordering the low lying area in APEC 11C. Item 25 in Deficiency List - complete.



Photo No. 106	Date: 2019-09-25
-------------------------	----------------------------

Description:

Burrow Pit #1 reshaped. Item complete on Deficiency List.





PHOTOGRAPHIC RECORD

Site Name:
FOX-D

Site Location:
Kivitoo, NU

Project No.
60509545

Photo No.
107

Date:
2019-09-25

Description:

Confirmatory Soil Samples in Fuel Storage Area. Resample to replace samples lost during shipment in 2018.



Photo No.
108

Date:
2019-09-25

Description:

Confirmatory soil sample locations in area of former generator spill. Resample to replace samples lost during shipment in 2018.





PHOTOGRAPHIC RECORD

Site Name:
FOX-D

Site Location:
Kivitoo, NU

Project No.
60509545

Photo No.
109 **Date:**
2019-09-25

Description:

Excavator loading metal in containers near main camp area for offsite transfer.



Photo No.
110 **Date:**
2019-09-25

Description:

Arrival of sealift for final offsite transfer of all Site infrastructure.





PHOTOGRAPHIC RECORD

Site Name:
FOX-D

Site Location:
Kivitoo, NU

Project No.
60509545

Photo No.
111

Date:
2019-09-26

Description:

Loader transferring soil bags onto the barge for offsite disposal.



Photo No.
112

Date:
2019-09-26

Description:

Main camp area clear of all containers. Bulldozer reshaping main camp pad.





PHOTOGRAPHIC RECORD

Site Name:
FOX-D

Site Location:
Kivitoo, NU

Project No.
60509545

Photo No.
113

Date:
2019-09-26

Description:

Barge loaded with soil bags for transport to the sealift for offsite disposal.



Photo No.
114

Date:
2019-09-27

Description:

Temporary Storage Area (TSA) 2a where former metal pile was located and location of confirmatory sample 19-0007.





PHOTOGRAPHIC RECORD

Site Name:
FOX-D

Site Location:
Kivitoo, NU

Project No.
60509545

Photo No.
115

Date:
2019-09-27

Description:

Shipping containers in staging area ready for transport on the barge for offsite disposal.



Photo No.
116

Date:
2019-09-28

Description:

Loading debris bags on platform for transport on the barge for offsite transfer.





PHOTOGRAPHIC RECORD

Site Name:
FOX-D

Site Location:
Kivitoo, NU

Project No.
60509545

Photo No.
117

Date:
2019-09-28

Description:

Graded camp pad. Item marked as completed on Deficiency List.



Photo No.
118

Date:
2019-09-28

Description:

Loader bringing pallets of metal from Temporary Storage Area (TSA) 2a to load on the barge for offsite transfer.





PHOTOGRAPHIC RECORD

Site Name:
FOX-D

Site Location:
Kivitoo, NU

Project No.
60509545

Photo No.
119

Date:
2019-09-29

Description:

Loading the temporary camp for transport on the barge.



Photo No.
120

Date:
2019-09-29

Description:

Shipping containers on the beach ready to be loaded on the barge for offsite transfer.





PHOTOGRAPHIC RECORD

Site Name:
FOX-D

Site Location:
Kivitoo, NU

Project No.
60509545

Photo No. 121 **Date:** 2019-09-29

Description:

All containers removed from temporary camp area.



Photo No. 122 **Date:** 2019-09-30

Description:

View of beach staging with all equipment, barrels, infrastructure removed for offsite transport on the sealift.





PHOTOGRAPHIC RECORD

Site Name: FOX-D	Site Location: Kivitoo, NU	Project No. 60509545
----------------------------	--------------------------------------	--------------------------------

Photo No. 123	Date: 2019-09-30
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Description:

All containers, equipment, barrels, infrastructure removed from beach staging area for offsite transport on the sealift.



Photo No. 124	Date: 2019-09-30
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Description:

All containers, equipment, barrels, infrastructure removed from beach staging area for offsite transport on the sealift.





Appendix D
Presentation for Post Remediation Community Meeting



Minutes of Meeting

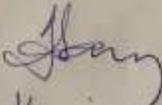
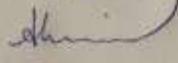
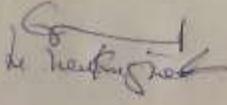
Date of Meeting	March 4, 2020	Start Time	7:00 pm MST	Project Number	60509545
Project Name	FOX-D, Kivitoo Site Remediation				
Location	Community Center, Qikiqtarjuaq, NU				
Regarding	Closeout Community Meeting				
Attendees	Lilianne Kydd (CIRNAC), Brandon McKay (Englobe), Jessica Stepney (AECOM), Qikiqtarjuaq residents (attendance list attached)				
Distribution	Attendees, Alexandre Leclair (Englobe), Mark Yetman (CIRNAC)				
Minutes Prepared By	Jessica Stepney				

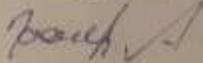
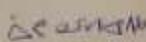
PLEASE NOTE: If this report does not agree with your records of the meeting, or if there are any omissions, please advise, otherwise we will assume the contents to be correct.

	Action
1. <u>Welcome and Introductions</u> <ul style="list-style-type: none"> Attendees were given a small first aid kit upon arrival FOX-D project team introduced themselves 	INFO
2. <u>Englobe Presentation</u> <ul style="list-style-type: none"> PowerPoint presentation by Englobe (attached) Translator onsite providing real-time translation for Elders in attendance Englobe asked the attendees if anyone had family from Kivitoo specially, one person in attendance said they did Special thanks to the community of Qikiqtarjuaq from the project team 	INFO
3. <u>Q&A Period</u> <ul style="list-style-type: none"> No questions asked 	INFO
4. <u>Door Prizes</u> <ul style="list-style-type: none"> Qikiqtarjuaq residents' names were drawn, and door prizes were handed out 	INFO

Attendees:

FOX-D Kivitoo Remediation
Community Meeting
March 4, 2020

<u>Name</u>	<u>Signature</u>
MARKOSIE AUDLAKIAK	
Emily Alookie	
BRITANNIE AUDLAKIAK	
J & PJC	
Selina Nookiguak	
Olavie KOKSEAK	
RONGO NEWKINGUAK	
Harry Alookie	
Ahmie Nauyakuik	
Caine Inanna	
Maeka Naukinguak	
Albert A.	
EWOKIE ALOOKIE	
Geeta Durgutag	
Veronica Nauyakuik	
Geopkumilivee	
LOREAN AUDLAKIAK	

<u>Name</u>	<u>Signature</u>
Travis Kukua	TJK
	
Eva Natlapiak	
Joe Audlakin	
Stevie Aulagiog	JA SA

Photos:



FOX-D KIVITOO SITE REMEDIATION PROJECT

March 2020



Englobe

Soils Materials Environment

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Crown-Indigenous Relations
and Northern Affairs Canada

Relations Couronne-Autochtones
et Affaires du Nord Canada

AECOM



Public Services and
Procurement Canada

Services publics et
Approvisionnement Canada



Meeting Agenda



- Introduction
- Project Objectives/Site History
- Project Summary by the Numbers
- Project Summary by Photograph
- Question Period
- Snacks / Door Prizes

Introduction



Key Organizations

Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)

Project Owner

Lilianne Kydd — Project Manager

Public Services and Procurement Canada (PSPC)

Contracting and Project Management for INAC

Janice Lee — Project Manager

Englobe Corp.

Remediation Contractor

Guillaume Robert — Project Manager
Brandon MacKay — Site Superintendent

AECOM

On-Site Supervision and Technical Advisor for PSPC

Brian Nguyen

SILA Remediation

Main sub-contractor providing workforce

Meeting Objectives



Why we are here:

- To present:
 - Key organizations
 - Review the status and outcome of the project

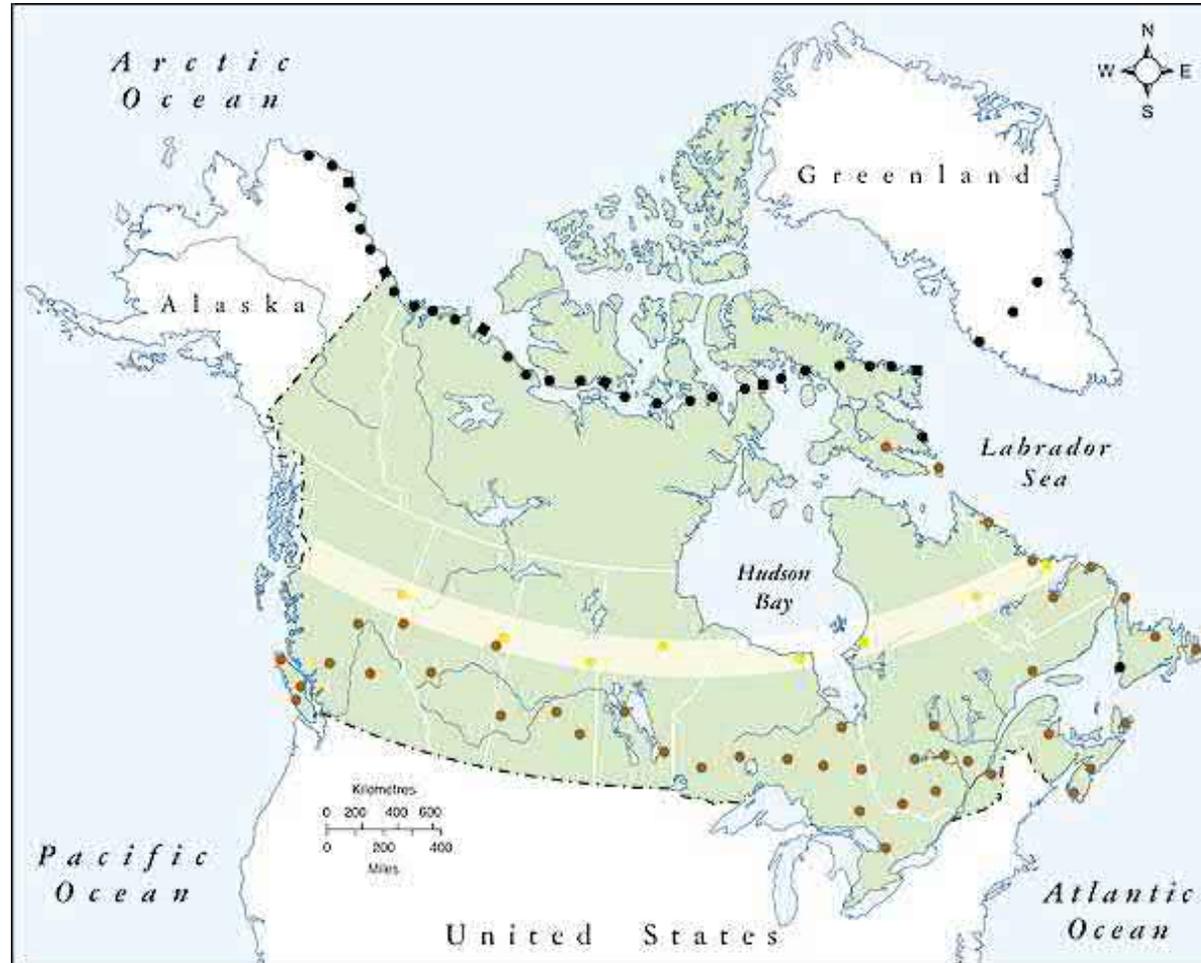
Project Objectives

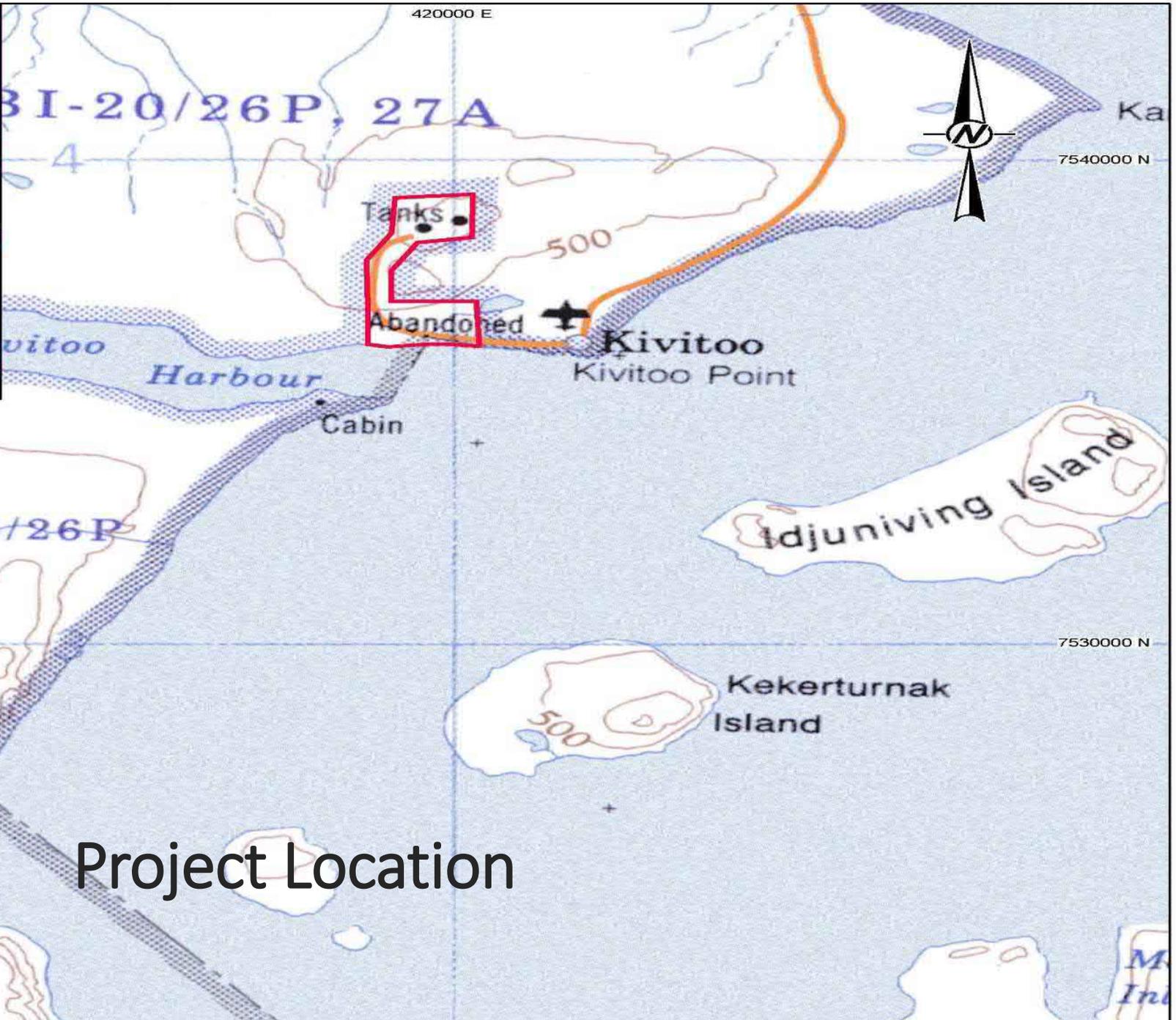
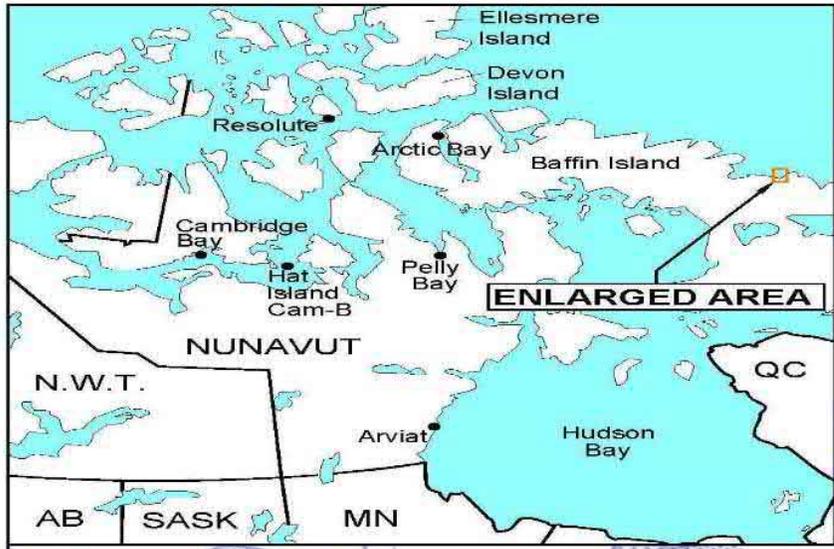


Project Objectives

- Minimize environmental impacts to humans and wildlife at the site
- Bring Benefits and business to northerners
- Ensure project respects all government legislation

Site History





Project Location

Site History





FOX-D in Operation in 1959/1960

FOX-D
1959/60

Project Summary by the Numbers

- Contaminated Soil
 - 6500 cubes of contaminated soil excavated at site
 - 12,000 cubes of former landfills excavated at site
 - 5400 cubes of contaminated soil treated on site
 - 2700 cubes of contaminated soil shipped off-site for disposal
- Debris
 - 1500 cubes of metal and garbage removed from the site
 - Equivalent to 45 x 20 foot sea containers of waste!!

Project Summary by the Numbers



- Inuit Employment
 - 26,000 hours worked by local employees over the course of the project
 - 50 local people employed over the course of the project
- Inuit Subcontracting
 - 80% of subcontracting supplied to Inuit companies

Project Summary by Photograph



Work Completed in 2016





2016

Mobilization via Sealift





2016

Upgrades to Access Roads





2016

Upgrades to Airstrip





2016

Test pitting to delineate Contaminated Areas





2016

Construction of Main Camp Gravel Pad





2016

Set-up of Temporary Camp



Work Completed in 2017





2017 Debris removal

We collected all debris from the site with the exception of the Old Whaling Station in 2017





2017

Debris Removal Team





2017 POL Tank Demolition

All POL tanks were removed with the exception of one which were removed in the 2018 season.





2017 Demolition

All POL bases were demolished and removed as well as the garage concrete pad.





2017 Barrel Washing

Barrel Processing Area was constructed and most drums washed.





2017 Buried Debris Excavation

We excavated approximately 8400 m³ of buried debris in 2017





2017
Buried Debris
Excavation at the lower
site



2017 Contaminated Soil Excavation

We excavated approximately 5200m³ of
contaminated soil





2017
Contaminated Soil
Excavation at the upper site



2017
Contaminated Soil Excavation
Bagging soils



2017 Contaminated Soil sent off site

- Approximately 965 bags of Contaminated Soil were sent South on the sealift.

2017 Contaminated Soil Treatment

The Soil Treatment Facility was built and we treated approximately 4800 m³ of contaminated soil.



Work Completed in 2018





2018 Tank Removal

Tank removal from mountain side via
helicopter





2018 Mountain Road

Road constructed to access AEC-9
landfill



2018 Temporary Storage Areas

Used to store debris and contaminated soil





2018 APEC 11 Landfill

Reshaped landfill area





2018 Construction Camp



2018 Material Processing Area

Soil removal after testing



2018 Landfarm

Emptying and reshaping of landfarm
facility





2018 Mountain Access Road

Reshaping of road after completion of
landfill excavation





2018 Upper Site

Reshaped after the completion of soil excavations and debris removal





2018 Elder's Tour

In August of 2018, Elder's from Qikiqtarjuaq visited the site to review progress

Work Completed in 2019



2019 Arrival of Final Sealift

To remove items not picked up in 2018



2019 Former Camp Area

All camp items removed and area
reshaped



2019 Former Landfill area

All debris removed and area reshaped





2019 Former Temporary Storage area

All containerized soil removed and area
reshped



2019 Beach Landing

Cleared off all remaining materials and
supplies



2020 Capacity Training





2020 Wilderness First Aid Training

Additional training provided to the Qikiqtarjuaq community this past week!





2020 Wilderness First Aid Training

Additional training provided to the Qikiqtarjuaq community this past week!



9. Questions?





10. Coffee/Door prizes



Qujannamiik

Thank you!