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Appendix 1 Presentation Slides – March 4, 2021 Meeting

Appendix 2 Project Information Card

1 Introduction

This report summarizes the feedback received during the second round of consultations conducted in Arctic Bay for the Arctic Bay Harbour Development Project (the Project). Initial community consultations for the Project were conducted in September 2020 (see 317071-00037-00-PM-REP-0001_R0-Consult1).

Harald Kullmann (Project manager and marine infrastructure engineer, Advisian-Iḱpiaryuk) and Diane Pinto (community engagement lead, Advisian-Iḱpiaryuk) continued consultations during a second visit to Arctic Bay from March 2-4, 2021.

A joint meeting on March 4, 2021 was conducted with the Hamlet; the Iḱajutit Hunters and Trappers Association (HTA); QIA local community representatives; and the Arctic Bay Nauttiqsuḱtit (the Guardians). Due to Covid-19 travel restrictions, southern representatives from the Department of Fisheries and Oceans (DFO) joined the meeting by teleconference.

The meeting began with a prayer provided by Sakiasi Qaunaq. Introductory welcoming remarks were provided by Adele Butcher, the DFO- Small Craft Harbours Project Manager. Mr. Kullmann then provided a detailed overview of the Project, highlighting how feedback from the previous consultation had been considered in Project design and construction planning. The discussion was guided by a slide presentation that covered the following topics:

- Project Funding and Schedule
- Consultations to Date and Summary of Community Feedback
- Preferred Design Layout
- Results from coastal modelling
- Quarry and Haul Route - including mitigation measures to address dust, noise and public safety
- Protecting Alternate Water Supply (during Quarrying)
- Permitting – including the NIRB Screening Process
- DFO – Fish and Fish Habitat Protection Program
- Transport Canada (TC) – Navigation Protection Program
- Field Activities – results from summer 2020 field season and details of the upcoming drill program – presented locations of bore holes, methodology, water required and mitigation measures
- Local Support
- Construction - workforce, camp, activities, laydown
- Construction – anticipated impacts and mitigation
- Construction Environmental Management Plan (CEMP)
- Next Steps

Presentation slides were provided in English and Inuktitut and local interpreter, Mishak Allurut, provided simultaneous interpretation. Large-scale posters of the harbour layout, quarry locations, and haul route were also provided to support discussions.

A copy of the presentation is provided in Appendix 1.

With the support of interpreter, Mr. Allurut, residents along the haul route were visited and provided with a brief introduction of the Project (see residents' list in Table 3). A detailed description and discussions on the proposed hauling - including route, number and type of trucks, expected trucks per hour, duration of

works and mitigation measures to control dust, noise and public safety - were also provided. A Project information leaflet provided in both English and Inuktitut (see Appendix 2), which included Mr. Kullmann and Ms. Pinto's contact information, was provided to residents at each meeting. Mr. Allurut provided interpretation during these meetings as required.

The resident immediately beside the existing breakwater and the resident closest to the construction site was contacted by telephone to arrange for a meeting, but he declined to meet, saying he had no issue with the proposed works.

Drop-in meetings were held from March 2-4, 2021 with Arctic Bay Adventures, the RCMP and the Northern Store. The Coop store was visited but at both attempts, the store manager was not available.

A brief land use interview with knowledge holder and outfitter, Tom Nagitarvik, was conducted to better understand ice access and skidoo trails along the shoreline and haul route. The locations of sled dog teams were also determined with Mr. Nagitarvik to ensure that the proposed drilling program did not impact the dogs.

We are grateful to the residents of Arctic Bay who graciously shared their time and knowledge with us during the community consultation visit.

2 Consultation Activities

Consultation activities conducted in are detailed in Table 1 and a list of community members that participated in the joint events is provided in Table 2. The community members engaged in door to door meetings are listed in Table 3.

Table 1 Consultation Activities

Group	Method	Date
Residents along the quarry haul route	House visits	March 2 and 4, 2021
Tom Nagitarvik – local knowledge holder and outfitter	Ice access and trails interview	March 3, 2021
RCMP	Brief drop-in meeting	March 3, 2021
Northern Store	Brief drop-in meeting	March 3, 2021
Hamlet Council	Joint meeting - presentation followed by open discussion	March 4, 2021
Ikajutit HTA	Joint meeting - presentation followed by open discussion	March 4, 2021
QIA	Joint meeting - presentation followed by open discussion	March 4, 2021
Arctic Bay Nauttiqsuqtit (Guardians)	Joint meeting - presentation followed by open discussion	March 4, 2021
Arctic Bay Adventures	Drop-in meeting	March 4, 2021

Table 2 Participants at Joint Meeting

Organization	Participant
Hamlet – 8 participants	<ul style="list-style-type: none"> • Moses Oyukuluk (Mayor) ** • Sheena Qaunaq (Deputy Mayor) • Geela Ejangiaq • Sakiasi Qaunaq • Jeremy Tunraluk* (also QIA Community Director) • Ester Enoogoo • Deborah Johnson (Senior Administrative Officer) • Eric Altwasser (Finance Officer)

3 Community Feedback

3.1 Project Requests

- Disappointment expressed that a boat ramp at Victor Bay is not included in the scope of the Project after several requests were made by hunters since the beginning of design.
- A launch ramp at Victor Bay is needed. Launching boats from Victor Bay is very difficult for hunters. *"Nothing fancy, just a simple launching pad, it wouldn't take much to do at the same time the harbour is being built"*
- Hunters believe a ramp at Victor Bay was part of the Inuit Impact and Benefit Agreement (IIBA) between Parks Canada and the QIA for the Tallurutiup Imanga National Marine Conservation Area. Mr. Kullmann stated he would inquire with Parks Canada and the QIA about whether the ramp was included in the IIBA.

3.2 Quarry and Haul Route

- Inquiry on whether the rock mound for the quarry will be blasted down to the grade of the road or less.
- Inquiry on whether other locations were considered for the quarry such as the point (Uluksan Point – location of many Thule sites).
- Frustration expressed by one individual that an alternate bypass road going along the shoreline isn't being considered. Statement that despite the increased cost to the Project, the suggested alternate road along the shoreline should be used.
- The road needs to be looked at more closely.
- Comment from the Hamlet that using the suggested alternate road would have trucks crossing the community hall and arena – *"We wouldn't want that because we use it for summer programs for our kids, it's a safety problem, it's too busy to go that way"*
- Comment from council that these works are only temporary *"it's only for 2 seasons, not a lifetime"*
- Comment from HTA member *"I'm not worried, it's only 2-3 summers, we can handle it. We need this harbour"*

3.3 Dust

- Dust is a big concern for the community.
- Even with reduced truck speeds, it's the air brakes on the trucks that blow up the dust.
- When there is dust, people will need to clean off their equipment – they should be compensated for having to do that.

- CA/CL is not actively used in the community. It needs to be mixed into the ground surface very well and there are concerns about its use because of children playing all over the roads and the environment.
- Water is considered best for dust management.
- SAO will send information on a newly approved dust suppressant from the Government of Nunavut.

3.4 Public Safety

- The safety of the community has to be looked at very carefully.
- Inquiry as to what kind of brakes and equipment will be used, especially considering the steepness of the road.
- Must have the best equipment possible and keep properly maintained to make sure there are no accidents with equipment failure, especially near homes with steepness.
- Ensure all trucks have proper braking systems to handle the conditions of the road.
- Traffic management and flag people/spotters will be required, especially near any homes or buildings.

3.5 Fish and Fish Habitat

- No concerns were raised regarding fish and fish habitat.
- During the summer, fish are present in the bay but in very low numbers. The impact will be very minimal and temporary. There are no lasting negative effects.
- The work will be conducted in a very small area of the ocean, it will impact sculpins and bottom feeders in that area only.
- Very few people set nets and it's prohibited to discharge a firearm in the bay fronting the hamlet, so harvesting is very low.
- Putting boulders in the water for the breakwater is not a concern *"we already dump a lot of metal and debris in the area such as skidoo parts"*.
- The fish returned once pile driving was completed for the wharf at Nanisivik. The animals will return once the work is completed.

3.6 Navigation

- No concerns expressed concerning navigation or the planned navigation lighting locations.
- Hunters are anxious for the navigation lighting so they can approach safely.
- Inquiry as to the brightness of the lights and whether they will be 360°.

5 Miscellaneous Meetings

No concerns were raised by the RCMP, Northern Store or Arctic Bay Adventures. All expressed support for the Project and its benefit to the community.



Appendix 1
Presentation Slides – March 4, 2021 Meeting

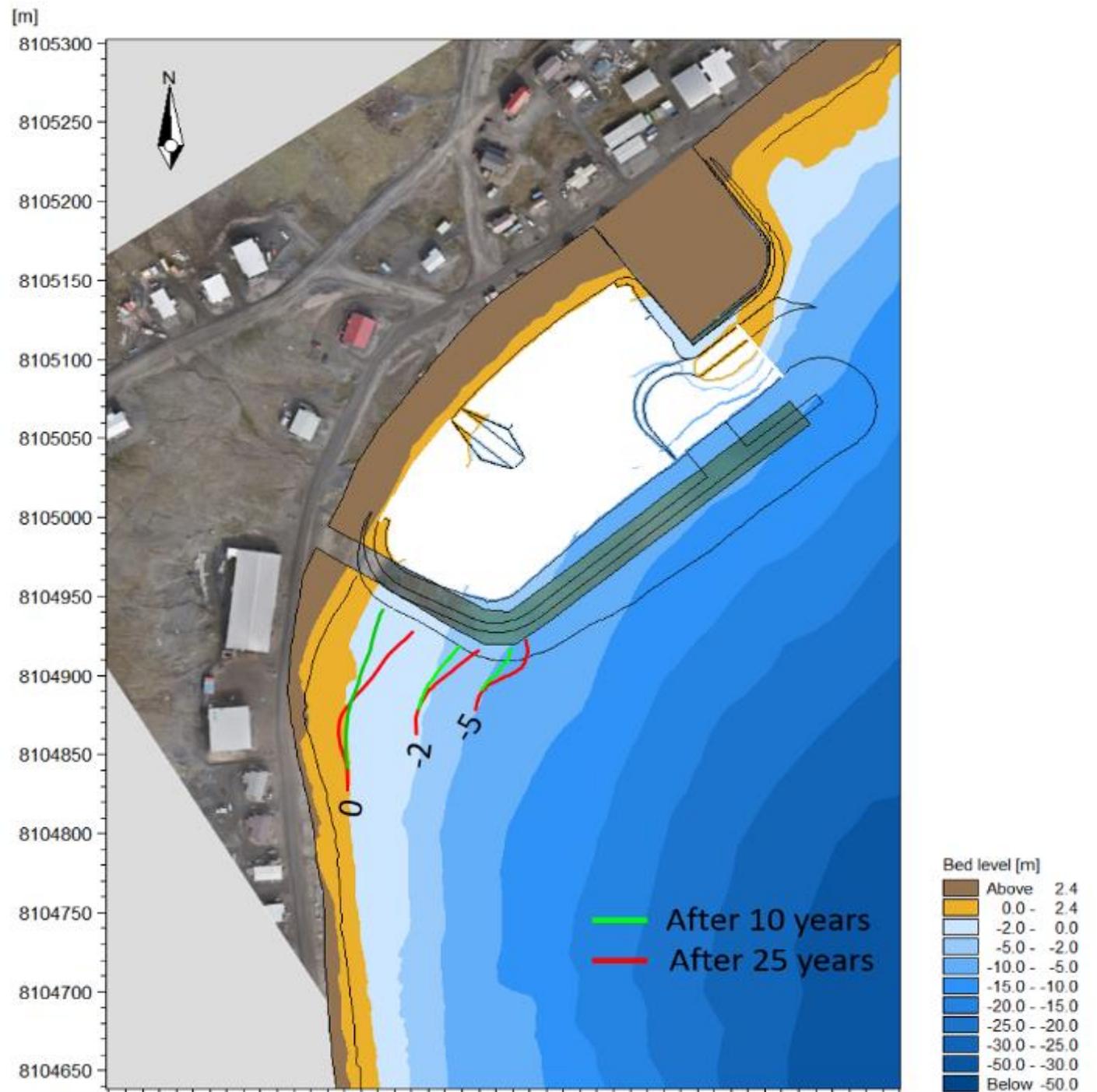
Project Overview ካዲታፕሮፕራክት ስፔሻል ፕሮጀክት

<p>FUNDING የፋይናንስ ክፍያ</p>	<p>Negotiated between QIA and Parks Canada በካዲታፕሮፕራክት ስፔሻል ፕሮጀክት ስር ውስጥ በካዲታፕሮፕራክት ስፔሻል ፕሮጀክት ስር</p>
<p>OWNERSHIP አባልነት</p>	<p>Fisheries and Oceans Canada (DFO) – Small Craft Harbours የፊሽሪ እና የዓሳር ክፍያ (DFO) – ስፔሻል ፕሮጀክት</p>
<p>DETAILED DESIGN ካዲታፕሮፕራክት ስፔሻል ፕሮጀክት</p>	<p>2020 – 2021</p>
<p>ENVIRONMENTAL PERMITTING & PROPERTY ACQUISITION የአካባቢ ፍቅር ፍቅር ፍቅር ፍቅር</p>	<p>2021 – 2022</p>
<p>CONSTRUCTION TENDER AWARD ካዲታፕሮፕራክት ስፔሻል ፕሮጀክት</p>	<p>April 2022</p>
<p>CONSTRUCTION COMPLETE ካዲታፕሮፕራክት ስፔሻል ፕሮጀክት</p>	<p>October 2025</p>
<p>OPERATIONS የፍቅር ፍቅር ፍቅር ፍቅር</p>	<p>Harbour Working Group Model የፍቅር ፍቅር ፍቅር ፍቅር</p>

Shoreline Evolution

ጾኔግሌሪ ልጎጾኔግሌሪ ልጎጾኔግሌሪ

- Breakwater will cause beach to form at the west end
- Predicted 10 and 25 years of change shown
- ጾኔግሌሪ ልጎጾኔግሌሪ ልጎጾኔግሌሪ ልጎጾኔግሌሪ ልጎጾኔግሌሪ
- ልጎጾኔግሌሪ ልጎጾኔግሌሪ 10 ልጎጾኔግሌሪ 25 ልጎጾኔግሌሪ



Local Drainage ᄆᄆᄆᄆᄆ ᄆᄆᄆᄆᄆ ᄆᄆᄆᄆᄆᄆᄆᄆᄆ



Drain these culverts around harbour

ᄆᄆᄆᄆᄆ ᄆᄆᄆᄆᄆ ᄆᄆᄆᄆᄆᄆᄆᄆᄆ



Construction ካደንጋሚ

WORKFORCE ልክደልንቦ

- Approx. 20-30 workers (up to 50 if 24 hrs)
- ልጊደረጋ - 20-30 ልክደልንቦ (50 ልጋጋጋ 24-ጋ ካደንጋሚጊደረጋ)
- Heavy equipment operators, Crane operator, Welder, Mechanic, Electrician, General labourers
- ጋደንጋሚጊደረጋ ልክደልንቦ, ጋደንጋሚጊደረጋ ልክደልንቦ, ጋደንጋሚጊደረጋ ልክደልንቦ, ጋደንጋሚጊደረጋ ልክደልንቦ



ACTIVITIES ለንካል

- Sealift / back-haul
- ጋደንጋሚጊደረጋ ልክደልንቦ / ካደንጋሚ
- Blasting and rock production for breakwater / laydown area construction
- ልክደልንቦ ልክደልንቦ ልክደልንቦ ልክደልንቦ ልክደልንቦ
- Wharf construction and dredging
- ልክደልንቦ ካደንጋሚ ልክደልንቦ ልክደልንቦ ልክደልንቦ
- Small craft floats installed (probably by community)
- ጋደንጋሚጊደረጋ ጋደንጋሚጊደረጋ ልክደልንቦ (ጋደንጋሚጊደረጋ)
- Demobilization
- ልክደልንቦ ልክደልንቦ

Construction – Anticipated Impacts and Mitigation

ካዊትገጽ - ልዩ ልዩ ግብይት ለግብይት ለግብይት

- Dust ማቆላሰፍ
 - Keep speeds down ለግብይት ለግብይት
 - Water/calcium chloride ለግብይት/ለግብይት ለግብይት
- Noise ማቆላሰፍ
 - Speeds low, 12hr/day ለግብይት ለግብይት, ለግብይት 12/ግብይት
- Light/visual ማቆላሰፍ/ለግብይት
 - Day-time only ለግብይት ለግብይት
 - Light towers away from residences ለግብይት ለግብይት ለግብይት



- Traffic/Public Safety ለግብይት ለግብይት ለግብይት ለግብይት
 - Speeds to ~20km/hr max ለግብይት ለግብይት ለግብይት ለግብይት
 - Pull-outs for passing (~3) ለግብይት ለግብይት ለግብይት ለግብይት
 - Flag people ለግብይት ለግብይት ለግብይት ለግብይት
 - Limit closure time during blast ለግብይት ለግብይት ለግብይት ለግብይት
 - Fencing to catch rocks rolling down hill ለግብይት ለግብይት ለግብይት ለግብይት

• Community infrastructure and services – fuel, water, waste management ለግብይት ለግብይት ለግብይት ለግብይት

• Must maintain access to land, ice and water for hunters/fishers ለግብይት ለግብይት ለግብይት ለግብይት

Construction – Impacts and Mitigation

ካዲኒንግ ስፔሻሊስት - ልዩ ልዩ ስፔሻሊስት ለግብርና ለግብርና ለግብርና

- Destruction of fish habitat
 - FAA for loss of seabed footprint for breakwaters.
 - Habitat will be created due to shoreline protection from side slopes of breakwaters.
 - Disturbance of wildlife from construction noise
 - Acoustic monitoring (underwater sound), expecting all land-based equipment (minimal underwater)
 - Removal of vegetation/wildlife habitat for quarry
 - Surveys before construction for any nesting birds and wildlife
 - Buffers around nesting birds if found
- ለግብርና ስፔሻሊስት ለግብርና ስፔሻሊስት
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Thank you / ᑭᑦᑲᑦᑲᑦᑲᑦ

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Appendix 2
Project Information Card

