

holders through land use workshops, design workshops, and interviews since the feasibility phase to gather Inuit Quajimajatuqanjit (IQ) of marine habitat, wildlife, land use, year-round access for harvesting, and areas of cultural value in and around the proposed Project areas. This collaboration with local knowledge holders has supported Project decision-making, construction planning and informed the environmental-screening process. To date, the community has been very engaged in the Project and has provided valuable input into design and planning on numerous occasions. The input has been carefully considered and design modifications have been made based on feedback received during consultations. Consultation during the feasibility phase of the Project included four separate community visits from 2018 to 2020 to conduct meetings with the Hamlet, design workshops with the Ikajutit Hunters and Trappers Association (Ikajutit HTA), and IQ workshops with local elders and active hunters. A community open house was also conducted in February 2020. Additional ad-hoc meetings with community stakeholders, such as the RCMP, health centre, Co-op/Northern stores, hotel and general service providers were conducted during community visits to support the socio-economic effects assessment. Collaborating with the community during the feasibility phase allowed the design team to gain an understanding of the local site conditions, specific needs and priorities in Arctic Bay that was critical to the development of harbour concepts and, ultimately, a preferred harbour layout. Joint meetings on September 22, 2020 and March 4, 2021 were conducted in Arctic Bay to provide the community an overview of the detailed design phase of the Project, the preferred harbour layout, the proposed field and construction activities, and discuss anticipated impacts and mitigation measures. The joint meetings were attended by Hamlet mayor and council; the Ikajutit HTA; Qikiqtani Inuit Association (QIA) local community representatives; the Arctic Bay Nauttisuqtit (the Guardians); and representatives from Fisheries and Oceans Canada - Fish and Fish Habitat Protection Program (DFO-FFHPP); DFO-SCH; PSPC; and Advisian-Ikpiaryuk JV. Drop-in meetings were also held during both community visits in September 2020 and March 2021 with residents along the shoreline and quarry haul route, the RCMP, Northern Store, and the Co-op. These meetings were conducted to provide residents with a brief overview of the Project, listen to any concerns or questions and commit to further engagement with directly impacted residents in future consultations. Consultation will be ongoing throughout the life of the Project. Two further community consultation visits are planned during the current phase of the Project, including call in radio shows, information tables at the co-op and another community open house in September 2021. Consultation during construction will include timing and methodology of construction activities and traffic management as well as emergency response plans, community service delivery, security of the construction site, public safety, environmental management measures, construction communications (blasting notices, road closures etc.) and equipment and material storage. Additionally, the contractor will work with the community to maximize local labour and business opportunities. Environmental and Socio-economic Impacts Potential environmental and social impacts that may occur during the construction and operation of the SCH include the following:

- Accidental leaks and spillages of substances such as fuel or petroleum-based lubricants to the environment;
- Disturbance of terrestrial and marine wildlife;
- Loss of fish habitat;
- Changes to traffic patterns;
- Disruption of marine and terrestrial land uses;
- Dust along the haul road and quarry due to blasting and transportation of rock material;
- Increased noise and light related to construction and operational activities; and
- Increased pressure on community infrastructure and support services.

Measures will be in place to mitigate and monitor for all of these effects. A Construction Environmental Management Plan (CEMP) has been generated by Advisian-Ikpiaryuk JV to support permitting and to outline mitigation and monitoring measures to be implemented to minimize negative impacts to the physical, biological and socio-economic environment associated with construction activities. It identifies commitments made during consultation, best management practices (BMPs) and measures targeting the mandates of Regulatory Authorities (RAs). During construction, this CEMP will be replaced by a Contractor CEMP (CCEMP). In addition to the CEMP, Construction Work Plans (CWPs)

				See Section 1.18 and Figure 1-4 of the PSIR supplementary report for details
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የሰነድ ስም	ሰነድ	የሰነድ ቦታ	የሰነድ ቀን
ግንባታ ስራ	Hamlet Council Members - Mayor, Councilors, SAO, etc	Hamlet of Arctic Bay	2018-11-09
ግንባታ ስራ	Ikajutit HTA Members - 6 participants	Ikajutit HTA	2018-11-09
ግንባታ ስራ	Council Members - 5 participants	Arctic Bay Hamlet Council	2019-06-05
ግንባታ ስራ	Ikajutit HTA Members - 6 participants	Ikajutit HTA	2019-06-04
ግንባታ ስራ	Hamlet Council Members	Hamlet of Arctic Bay	2019-11-05
ግንባታ ስራ	Ikajutit HTA Members	Ikajutit HTA	2019-11-06
ግንባታ ስራ	Hamlet Council Members	Hamlet of Arctic Bay	2020-02-26
ግንባታ ስራ	Ikajutit HTA Members	Ikajutit HTA	2020-02-26
ግንባታ ስራ	Local Members	QIA	2020-02-26
ግንባታ ስራ	Hamlet Council Members	Hamlet of Arctic Bay	2020-02-28
ግንባታ ስራ	Ikajutit HTA Members	Ikajutit HTA	2020-02-28
ግንባታ ስራ	Local Members	QIA	2020-02-28
ግንባታ ስራ	Hamlet Council Members	Hamlet of Arctic Bay	2020-09-22
ግንባታ ስራ	Ikajutit HTA Members	Ikajutit HTA	2020-09-22
ግንባታ ስራ	Local QIA CLARC	QIA CLARC	2020-09-22
ግንባታ ስራ	Arctic Bay Nauttiqsuqtit (Guardians)	Arctic Bay Nauttiqsuqtit (Guardians)	2020-09-22
ግንባታ ስራ	Residents along the shoreline and quarry haul route - informal discussion	Hamlet of Arctic Bay Residents	2020-09-23
ግንባታ ስራ	Ikajutit HTA Members, Hamlet of Arctic Bay, local QIA members, Arctic Bay Nauttiqsuqtit (Guardians)	Ikajutit HTA Members, Hamlet of Arctic Bay, local QIA members, Arctic Bay Nauttiqsuqtit (Guardians)	2021-03-04

	<p>from an early stage in project planning as the proponent (DFO-SCH) is a federal agency. Maintaining access for harvesters to the marine environment during construction has been a key part of consultation and measures will be in place during construction to confirm there are no access restrictions for hunters.</p>			
<p>ᐆᓇᑕᑦ ᓄᓇᑦᑕᑦᑕᑦᑕᑦᑕᑦᑕᑦ</p>	<p>a permit from NRCan is expected to be required for the transportation and storage of explosives (required for blasting). NRCan compliance requirements will be the responsibility of the contractor and will be applied for after contract award and before the start of construction</p>	<p>Not Yet Applied</p>		
<p>ᓄᓇᑕᑦ ᐃᑕᑦᑕᑦᑕᑦ ᐆᑕᑦᑕᑦᑕᑦᑕᑦ</p>	<p>A Type B license may be required if the haul road upgrades requires culverts to be installed or if stream alteration is required for the Project. As the streams are not major water courses, it is expected that a Type B permit will be acceptable. NWB compliance requirements will be the</p>	<p>Not Yet Applied</p>		

						equipment, remote generators and heaters. Containers listed as 1 because fuel will be dispensed daily from existing facilities in Arctic Bay.
Gasoline	fuel	1	15000	15000	Liters	Mobile equipment, remote generators and heaters. Containers listed as 1 because fuel will be dispensed daily from existing facilities in Arctic Bay.
Propane	fuel	30	30	900	Liters	Heaters - Number of containers is an estimate - container capacity 20 to 30l
Lubes and Oils	hazardous	10	200	2000	Liters	Maintenance of mobile equipemnt
Lubes and Oils	hazardous	10	5	50	Gallons	Maintenance of mobile equipment
Oxy/acetylene	hazardous	10	140	1400	Cubic ft	Welding, cutting of steel
Paint	hazardous	10	4	40	Liters	Painting wharf hardware & miscellaneous
Explosives	hazardous	1	40	40	Metric Tons	Quarrying. Containers to be standard size.

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5	Delivery by Hamlet or contracted water truck	Hamlet reservoir/water system

Additional Information

SECTION A1: Project Info

Field investigations: Several field studies have been undertaken since 2019 and received an NPC conformity determination (No. 149425), NIRB SDR (No. 19YNO31), and NIR research permit (No 02 01121-R-M). A report was submitted to NRI in English and North Baffin Inuktitut for 2019 to 2020 programs (can be provided upon request). A 2021 drilling program occurred in March 2021. NPC issued a conformity determination to confirm the field program did not require additional review from NIRB. Additional field permits were obtained from NWB (8BD-ABH2122), CIRNAC (N2021S0003) and the GN-DoE (No. LUP-2021-001). The field studies so far have supported assessment of existing conditions and the determination of potential quarry and disposal at sea sites. A drilling program was undertaken in March 2021 to inform geotechnical requirements for detailed design. Project: Supporting components for the construction of the SCH, include a quarry and a haul road. These components are summarized in the Project description and are further described in the PSIR supplementary report.

SECTION A2: Allweather Road

An existing road is planned to be used to support the transportation of rock materials from the quarry to the SCH. Upgrades to the road will occur prior to construction and will be described in the PSIR document. In required, the contractor will be responsible for necessary permits from the NWB. Measures to manage traffic interactions with the community will be described in the CEMP, and the contractor will be required to develop a Traffic Management Plan (TMP) to detail methodologies (e.g. use of dust suppressants, speed limits, training requirements) to be undertaken to support CEMP requirements.

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

a quarry will be required to support construction of the SCH (see preferred quarry location in Figure 1-1). Activities expected to occur at the quarry include drilling, blasting, stockpiling, crushing and screening. A summary of construction activities is provided in Section 2 of the PSIR supplementary report.

SECTION D1: Facility

See Project information section of this online application and Section 2.1 of the PSIR supplementary report

SECTION D2: Facility Construction

construction activities expected to be required at the SCH includes; infill, dredging, disposal at sea (unlikely) pile driving, and installation of small craft floats. A summary of construction activities is provided in Section 2 of the PSIR supplementary report

SECTION D3: Facility Operation

the SCH once operational will remain the responsibility of DFO-SCH. An Operations Environmental Management Plan (OEMP) will be prepared prior to operations of the SCH. There are not expected to be any differences in vessel use before and after the construction of the SCH. If any potential fisheries are successful, these are not a part of the current Project, and will be submitted to the Nunavut Planning Commission (NPC) for referral to NIRB under a separate application.

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

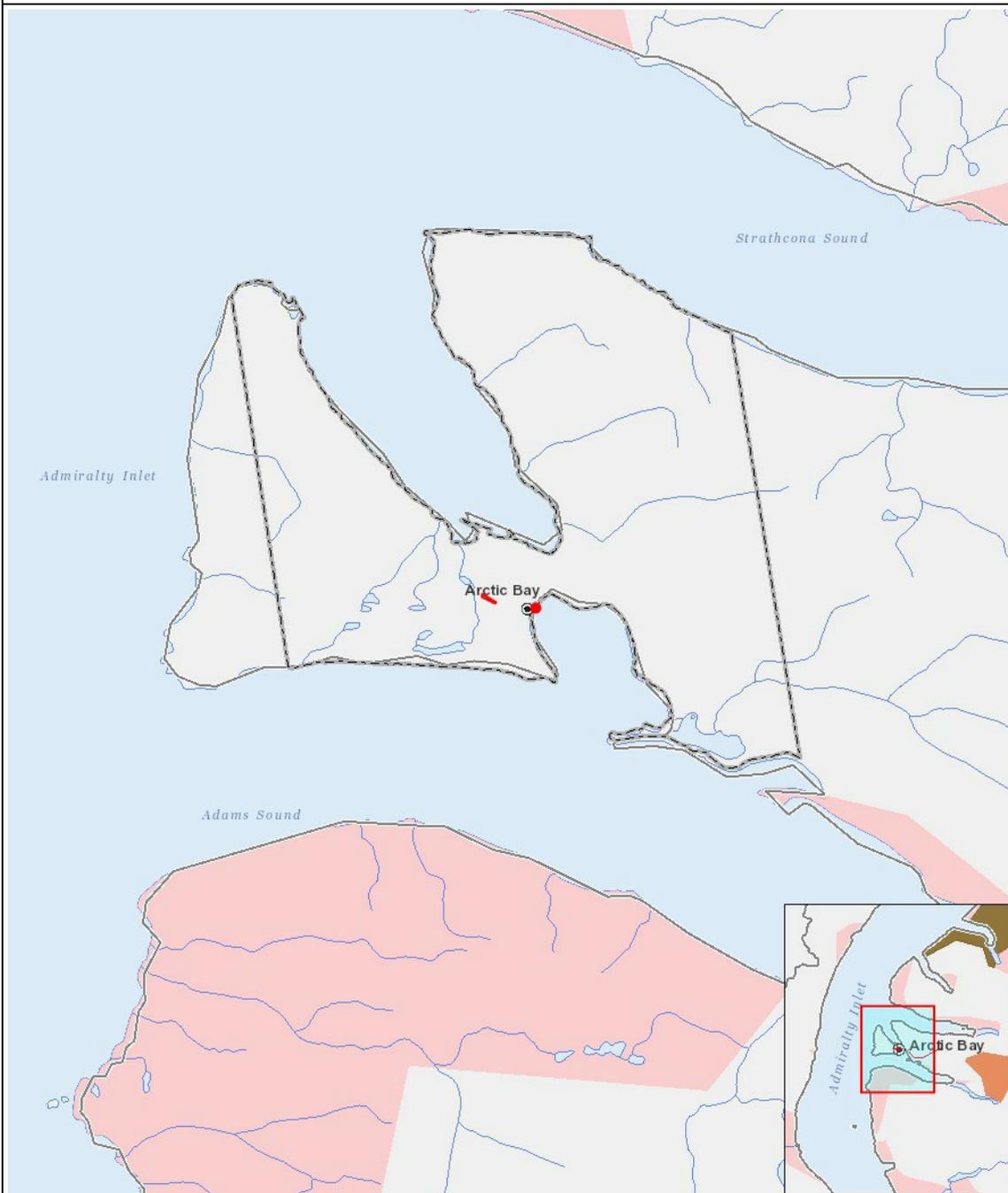
SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

there is no shipping associated with the project construction as all materials will arrive under existing scheduled sealift deliveries.



List of Project Geometries

1	polygon	Quarry Site
2	polyline	Arctic Bay Harbour
3	polyline	Arctic Bay Harbour
4	polyline	Arctic Bay Harbour
5	polyline	Arctic Bay Harbour
6	polyline	Arctic Bay Harbour
7	polyline	Arctic Bay Harbour
8	polyline	Arctic Bay Harbour
9	polyline	Arctic Bay Harbour
10	polyline	Arctic Bay Harbour
11	polyline	Arctic Bay Harbour

12	polyline	Arctic Bay Harbour
13	polyline	Arctic Bay Harbour
14	polyline	Arctic Bay Harbour
15	polyline	Arctic Bay Harbour
16	polyline	Arctic Bay Harbour
17	polyline	Arctic Bay Harbour
18	polyline	Arctic Bay Harbour
19	polyline	Arctic Bay Harbour
20	point	Arctic Bay Small Craft Harbour