



NUNAVUT WILDLIFE RESOURCE AND HABITAT VALUES

AMENDMENT

Prepared for:

Nunavut Planning Commission
Cambridge Bay, Nunavut

Prepared by:

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EXECUTIVE SUMMARY

Wildlife populations play an important role for the people of Nunavut in terms of culture, social interaction and economics. Inuit relationship with the land depends upon the ability to harvest wildlife for a well-balanced diet and traditional stories typically convey the relationship between Inuit and wildlife species. Accurate information on habitat use is critical for the management of sustainable populations.

As in integrated management plans, land use planning can examine the best mechanism to employ for protection of wildlife habitat while still maintaining opportunities for sustainable development. Guidelines established in land use plans for specific areas and activities are generally used for guidance by regulators and adopted through licensing or permitting processes. The Nunavut Planning Commission is initiating a land use planning process to ensure the sustainable development of the lands, waters, wildlife, and offshore areas of Nunavut. The primary objectives of this study are to identify wildlife species important for ecological, social, cultural and economic reasons, review their current status, habitat needs, and challenges, and present potential solutions to those challenges.

A short list of species was developed that focused on species of importance for Inuit subsistence use, commercial harvest and harvest viability, species important for outfitting, ecologically sensitive species, and species with special status (e.g., special concern, threatened, endangered, or subject to protection or special commitments) at territorial, federal and international levels. The list of focal species identified 76 mammals, fish, invertebrates and birds that utilize terrestrial and aquatic habitat in Nunavut. For each short-listed species, information on current status, distribution, general ecology, key habitat requirements, population status and trends, issues or pressures, and considerations for land use planning was compiled and reviewed. In addition to this comprehensive literature review, all available spatial data on wildlife habitat and values was compiled for each focal species to be used in the identification of important or key habitat for each species or species group. Knowledge gaps were identified in cases where information is missing or is not current enough to be able to accurately assess habitat use or values, and ongoing or future research has not been identified.

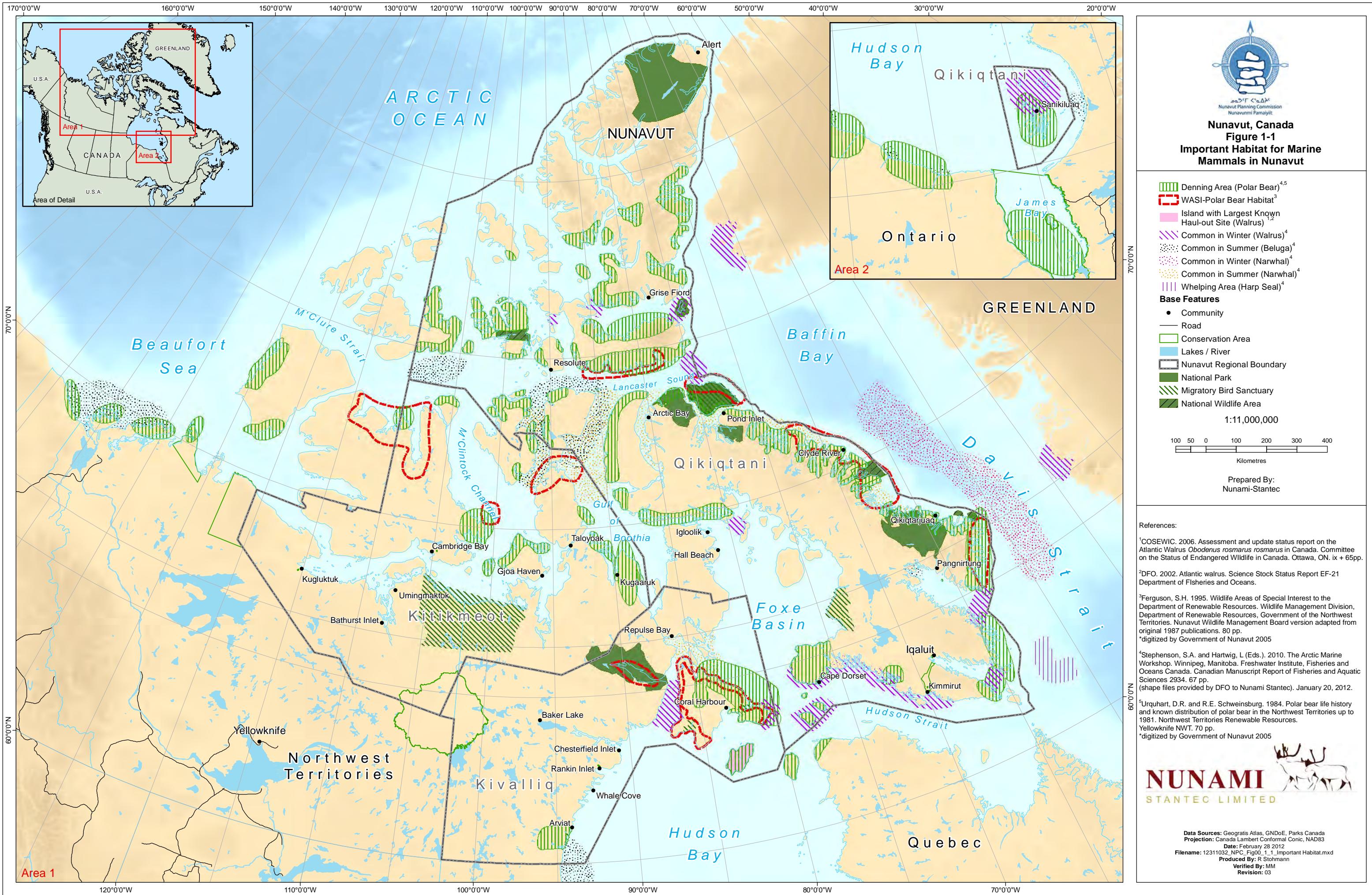
The analysis of important habitat should not be considered exhaustive, but rather an overview of presently available information. It presents a comprehensive summary of the information that is currently available. Important or critical habitat for aquatic or terrestrial wildlife can include a variety of different habitats and timing considerations. Important wildlife habitat in Nunavut may include concentration, feeding, nursing, breeding areas, migration routes and denning locations.

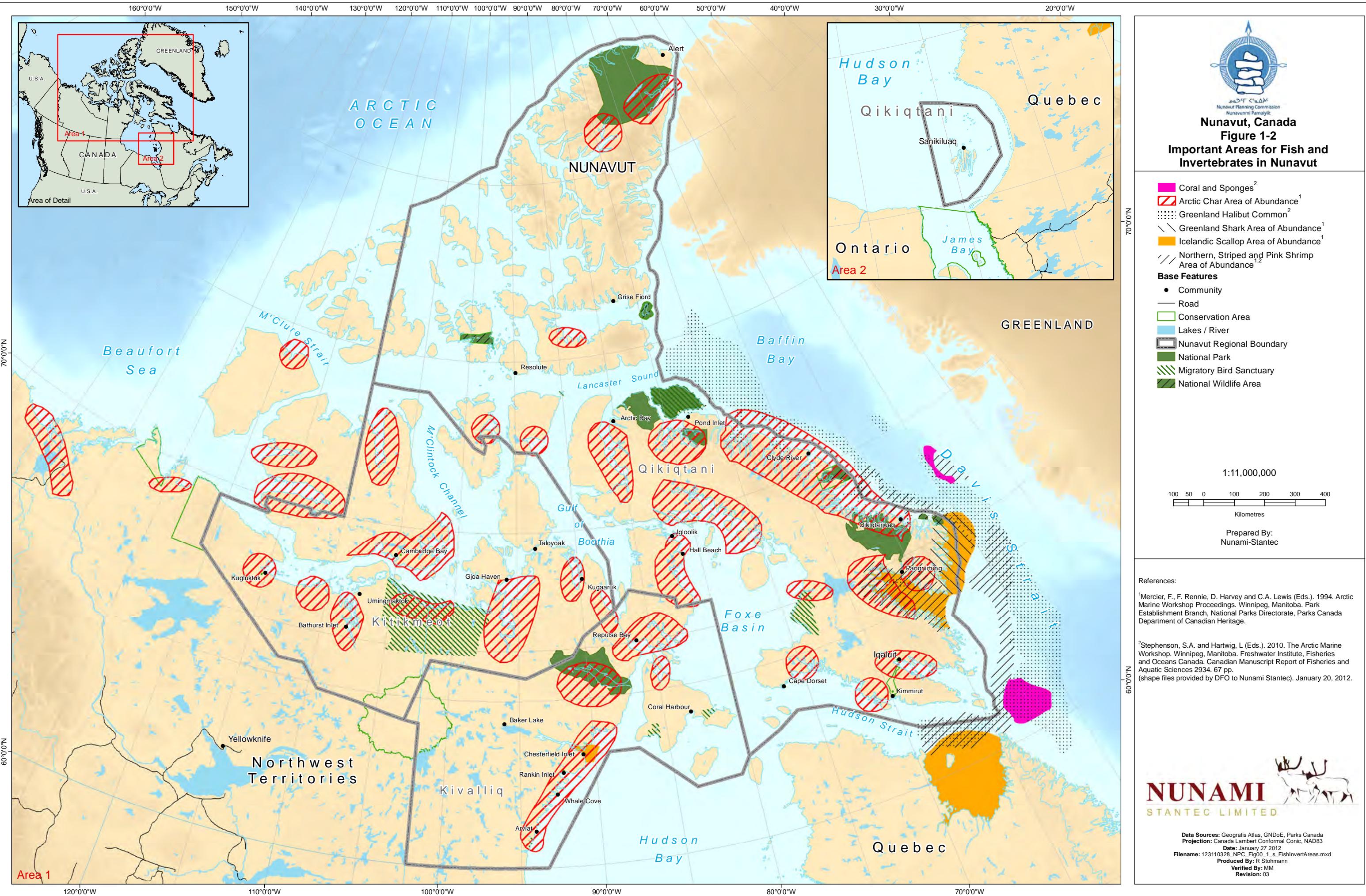
Important habitat for marine mammals (Figure 1-1) includes areas of known birthing or rearing locations, including; denning locations (polar bears) and pupping sites (ringed and bearded seals). Known concentration areas and high density locations were also represented, especially if they overlapped between species groups. Areas that have previously been identified as important habitat for marine mammals such as Wildlife Areas of Special Interest (WASI; polar bears), high suitability habitat (bowhead whales) and the Marine Protected Area of Niginganiq (Isabella Bay) are also been identified.

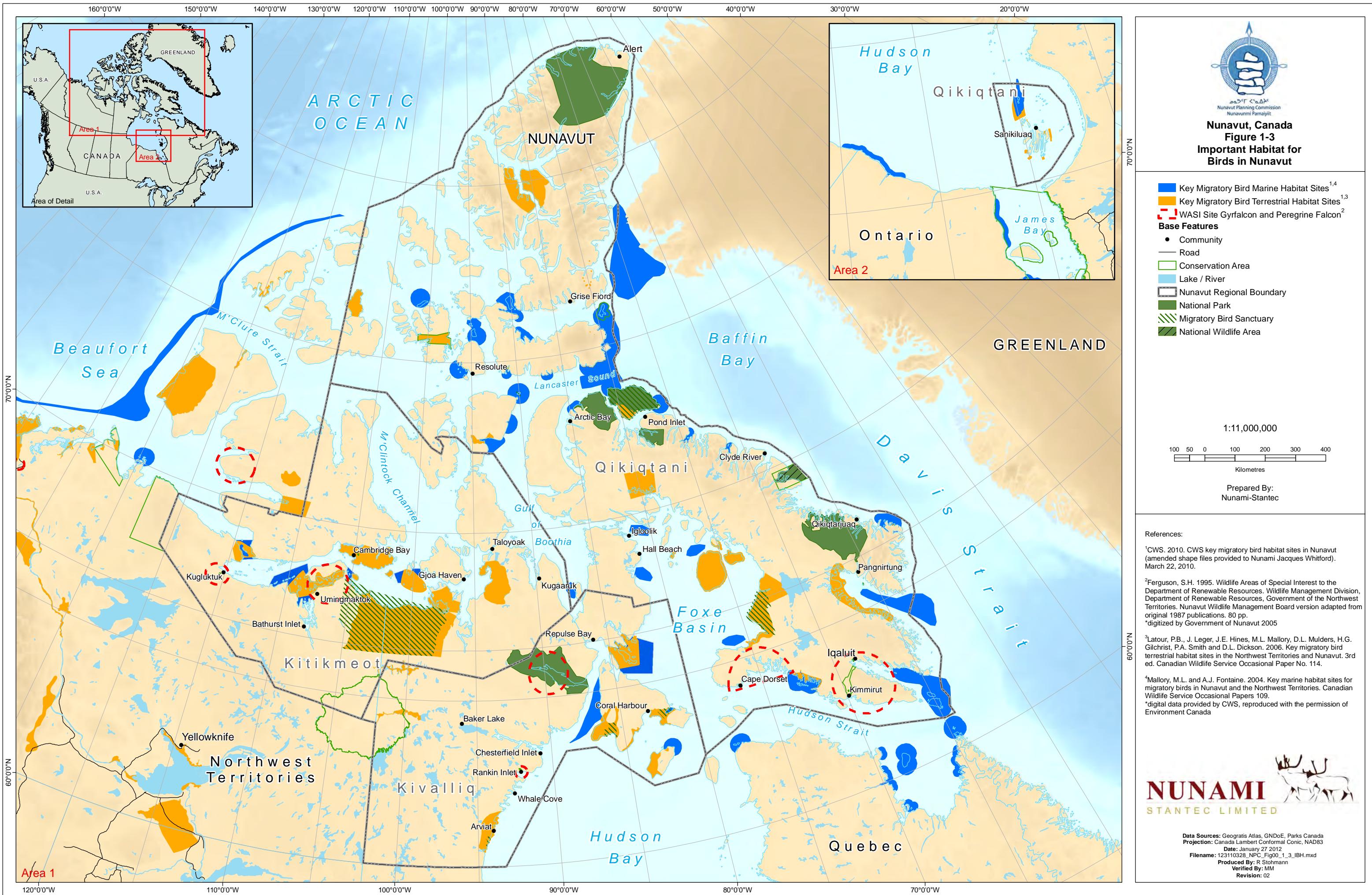
There is little available information on specific areas in Nunavut that may be considered important habitat for freshwater and marine fish. The summary figure represents known areas of Arctic char abundance, coral and sponges, common areas of occurrence for Greenland halibut, Greenland shark, Icelandic scallop and shrimp (Figure 1-2).

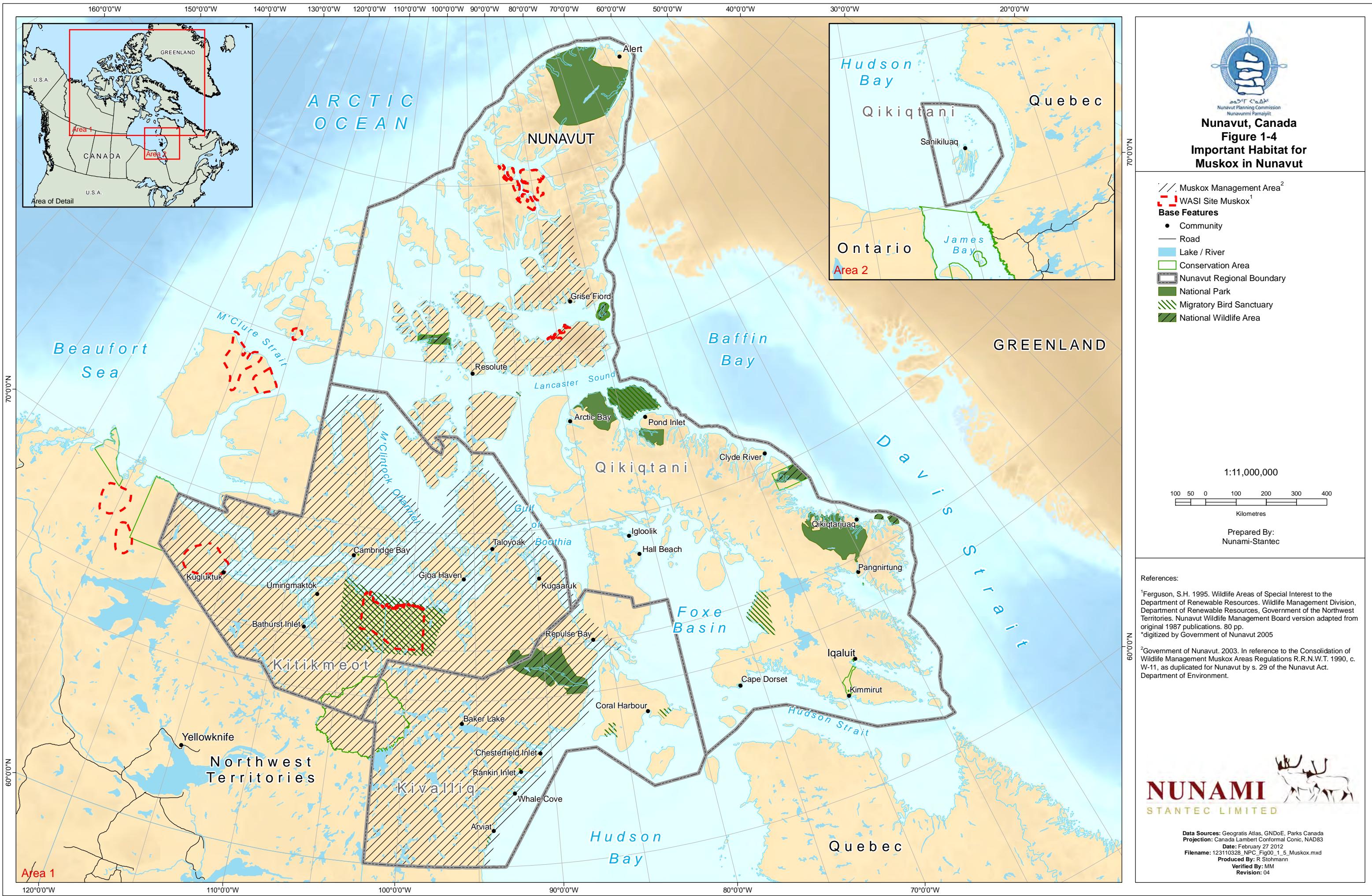
Important habitat for terrestrial wildlife and birds includes Important Bird Areas and key migratory sites (Figure 1-3), Wildlife Areas of Special Interest, and Muskox management areas (Figure 1-4). Further important habitat may also be protected within the International Biological Programme sites as well as Parks and National Historic sites of Nunavut (Figure 1-5).

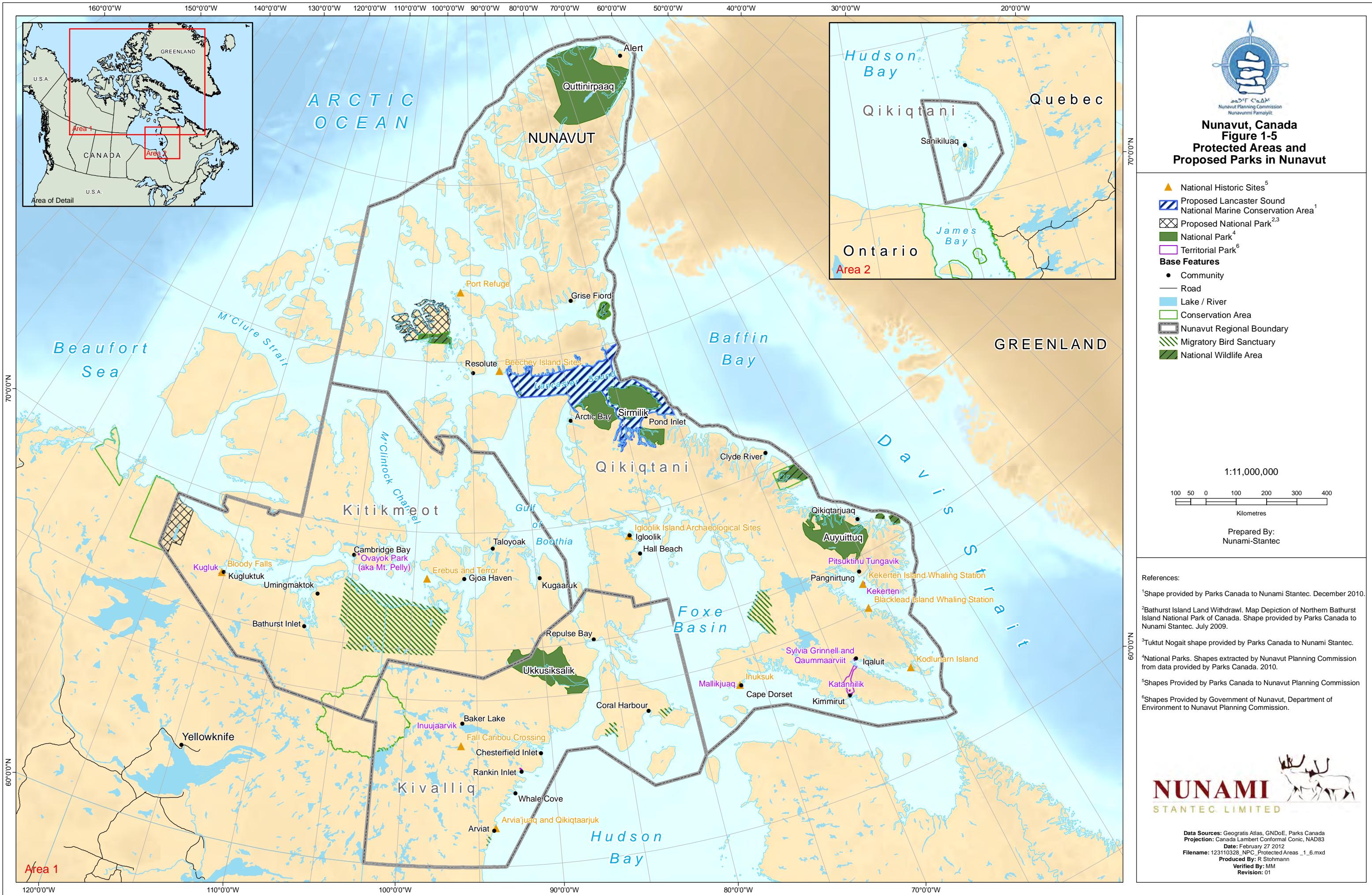
Research on Arctic wildlife populations can be financially or logistically challenging and there is a general lack of information available for Nunavut wildlife species. Much of the research conducted on wildlife species in Nunavut has been related to population or stock status related to important subsistence species. Information for species of lesser social or economic importance is not readily available. The existing body of information on Nunavut wildlife provides a basis on which future research needs and priorities can be assessed and pursued. Although in many cases, the identification of critical habitat cannot be made with the information currently available, it provides the building blocks for informed decision making regarding Nunavut lands and waters.











AULAPKAIYINI NAITTUQ

Huratjat amihuuningit pipkaitjutauyuq akhuerutauyumik inuknut Nunavunmiutanut piplugu pitquhingit, inuuqatigiikniq maniliurniqmullu. Inuinait atayuqatigiingninga maniqqamut pipkaihimayuq angunahuariamikni huratjanik nakuuyumik nirigiamikni unalu qangaraaluknitanik unipkaat tuniyaat atayuutigiingninga inuinnait huratjatlu uumayut allatqiinguyut. Ihuatqiaq naunaitkutit avatilirinirmut atuqtauninnga munarinirmut nunngulaittumik huratjat amihuuningit.

Ilauhimayumut munarinikhaatigut ihumaliurniqmut, maniqqami atuqtauninnga ihumaliurniq ihivriuqtaaqtaa nakuutqiamik atuqtakhamik aturiami ikiklivallaqnaqtaumik huratjat avatilirinit munaripligillu hulilukaarniit nungulaittaamikmut piliurniq. Maliktakhat piliurhimayut maniqqami atuqtakhangit ihumaliurniq tikkuqaqtauhimayunut maniqqat hulilukaarnirmullu atuqtaulluaqhimayut ikayuutaigiami munaqtiyunit angiqtauhimayullu laisiliurnikkut naunaitkutaliurnikkullu. Tamna Nunavut Parnainirmut Katimayiingit aullaqtihaaq maniqqami atuqtakhangit ihumaliurniqmik taimaa naunairami nunngulaittaaminik pivallianinng- anunap, imap huratjatlu, tariunganilu Nunavutim. Tamna hivulliqpaanga atugakhaillu uuma ihivriuqtauniup naunairami huratjat uumayut allatqiinguyut akhuerutauyut avatilirinirmut, inuknut, ilihainirmut maniliurnirmullu pipkaitjutauyut, ihivriurlugit tatja qanuritaakhaa, avatilirinit ihariaginingit, uuktuitigiyauyangillu, tatjalu uqariiqhimayut kiutjutigiyauyt tahapkununngaa uuktuutigiyauyanginnut.

Naittuq naunaitkutaaq uumayut allatqiinguyunik piliurhimayuq ihumagilluaqtauyut uumayut allatqiinguyunut akhuerutauyut Inuinait inuugiamikni atuqtait, maniliurahuknirmu angunahuaqlu unalu angunahuaqniaruknaqmullu, uumayut allatqiinguyut akhuerutauyut angunahuarinirmut, hukhaunngiqtainnaittumik naunaittumik uumayut allatqiinguyut, unalu uumayut allatqiinguyut nakuutqianik piqaqtunik (ukuat uuktuutigilugit; ihumaalutiqalluaqtut, ikiklivallialiqqtut, aalatqiingittut, hiquraqtakhaunngitluuniit unaluuniit nakuutqianik pitjutigilluaqtauyut) nunavunmi, kaanatami tamainni nunaryuaptikni itjutinginnik. Tamna naunaitkutaaq akhuerutatuqiyauyuq uumayut allatqiinguyut naunaiqtaik 76nguyut uumayut maamaktipaktuit, iqaluit, qitiqanngittut unalu tingmiat atuqtut nunamik imarmiklu avatilirinit Nunavunmi. Tamainnut tikkuqaqtauhimayut uumayut allatqiinguyut, naunaitkutat nutaani qanuritaangit, tuniyauniq, avatiliriniqmut, akhuuqtaulluaqhimayuq avatilirinit ihariagiyauyt, amihuuningit qanuritaakhaangit nutqannganngit, ihumaalutigiyauuningit akhuerutauningillu, ihumaliurningillu maniqqamut atuqtauninga ihumaliurniq qanuqtut katitirihimayut ihivriuqhimayullu. Ilagiutilunilu umunga iluittumut unipkaaliurniq ihivriuqniqmut, tamaita piinarialgit inikhamut naunaitkutingit huratjanut avatilirinit ilumuururingit katitirihimayut tamainnut ihumagiayauyt uumayut allatqiinguyut atuqtauyukhat ilitarininnganut akhuerutauyunutluuniit avatilirinit tamainnut uumayut allatqiinguyut unaluuniit uumayut allatqiinguyut katimayut. Ilihimaninngit iniqarningit ilitariyauyt talvuuna naunaitkutingit iliuraqhimaitut nutaangunngittluuniit pigiami ihuaqtumik ihivriurami avatilirinit aturningit ilumuururingilluuniit, pihimmaarhimayut hivunirmiluuniit ihivriuqniit ilitariyauhimannngittut.

Tamna ihivriuqninga akhuerutauyunut avatilirinit ihumagiayakhaunngittut inirhimayumik, kihimi naunairhimalugu piinarialaqiunik naunaitkutinik. Pipkaitjutauyuq iluittumik naittumik naunaitkutimik tatja piinarialaqittaqaqtumik. Akhuerutauyut qayanngnaqtulluuniit avatilirinit imarmut nunamulluuniit huratjat ilauttaaqtuq allatqiinik avatiliriniinnik qanuraaluklu ihumagiayanginnik. Akhuerutauyut huratjat

Nunavut Wildlife Resource and Habitat Values

Amendment

Aulapkaiyini Naittuq

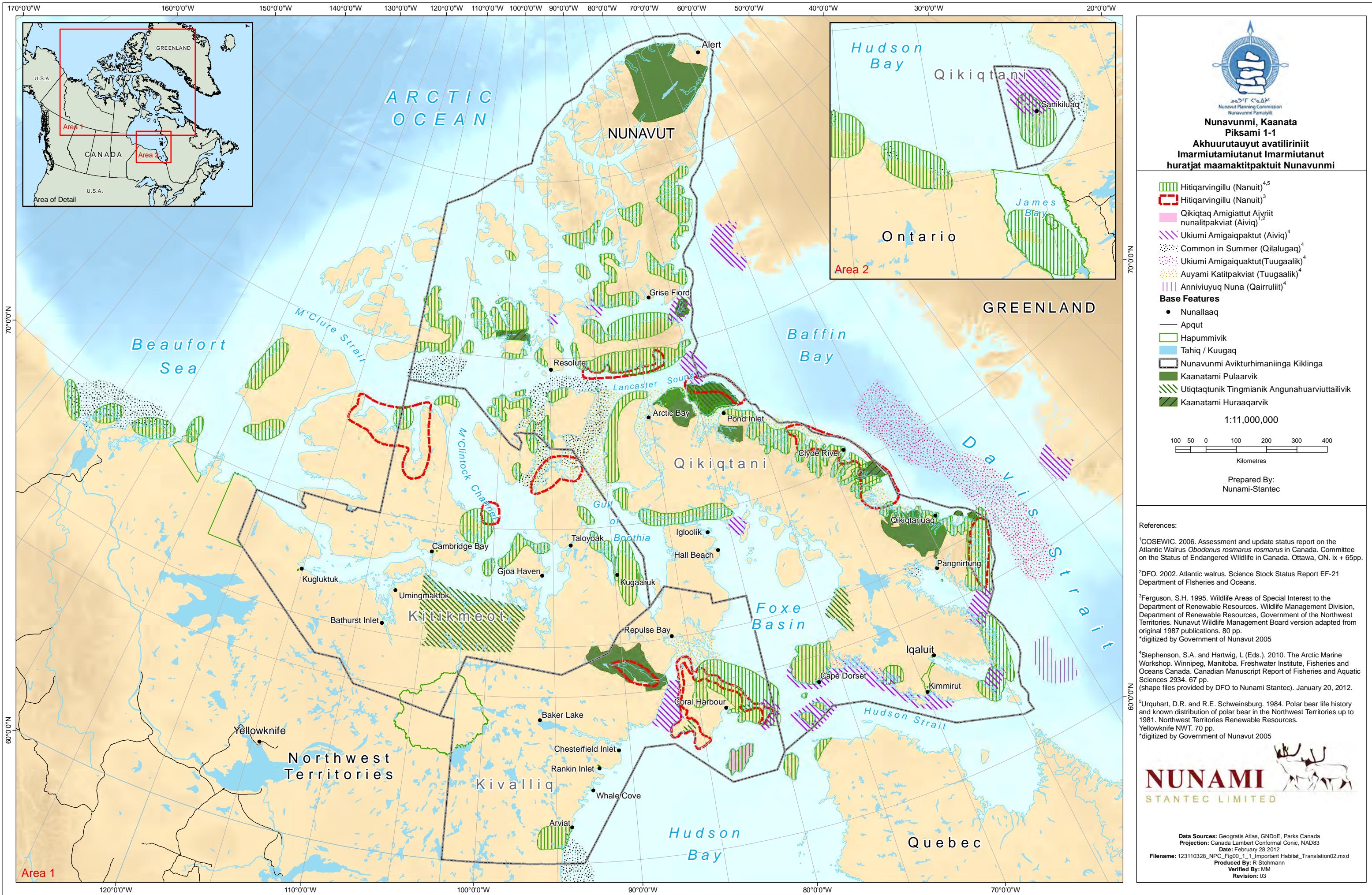
avatilirinit Nunavunmi ilauttaaqtuq katihimayunik, nириннгит, маамактиттиң, нурранигвингит, икауингит нурралиурвикмикнүт hitiqarvingillu.

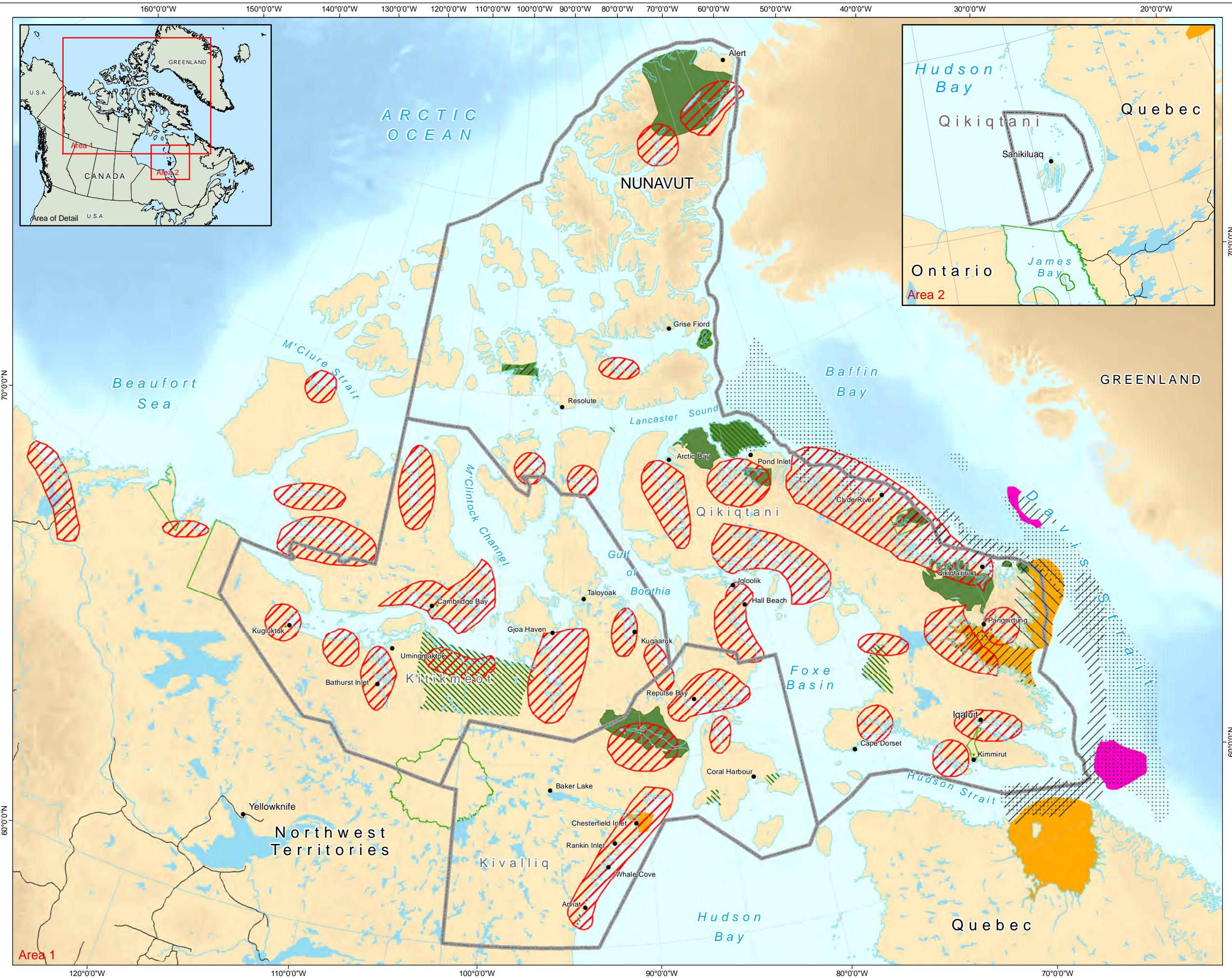
Akhuurutauyut avatilirinit imarmiutanut huratjat maamaktitpaktuit (Piksami 1-1) ilauqaqturlu humi ilihimayunik huratjat anniviit munariningillu, ukuallu; hitiqarvingit (nanuit) nannut marraitlu nayugangit (nattiq ugyuitlu nattit). Ilitariyauyt katihimayunik unalu amigaitilaanganik naunairhimayuq, kihimi qaliriikhimagumik ukunani uumayut allatqiinguyut katimayunut. Nayugangit ilitariyaaulihaat akhuurutauyumik avatilirinit imarmiutanut huratjat ukunatut Huratjariyangit Ihumagillaqtauhimayut (WASI; nanuit), ihuatqiyaugilluariya avatilirinit (arviit) unalu Imarmiutat Angunahuaqtailivallaqtauyut Nginganiqmi (qablunaatitut atilik Isabella Bay) ilitariyauyt.

Piqalluanngittuq piinariaqlumik naunaitkutimik tikkuaqtaulluaqtuni nunat Nunavunmi ihumagiyauniaqtut akhuurutauyut avatilirinit tariuqmiutat imarmiutatlu iqaluit. Tamna naittuq nampanga pipkaitjutauyuq ilihimayauyunik iqalukpiknut amigaininngit (Piksami 1-2).

Akhuurutauyut avatilirinit nunamiutanut huratjat tingmialtlu ilauqaqtuq Huratjariyangit Ihumagillaqtauhimayut, Uminngmanik munariningit (Piksami 1-3), Akhuurutauyut Tingmialiqiniq unalu akhuurutauyullu ikauvaktut nurraliurvingit (Piksami 1-4). Allatlu akhuurutauyut avatilirinit angunahuaqtailiiqarniaqtut iluani IBP-mi unalu Pulaarviit unalu Kaanatami Ingilraat initurliit Nunavunmi (Piksami 1-5).

Ihvriuqniq Ukiuqtaqtumiutat Huratjat amihuuningit ittaaqtut maniliqinirmik naunairhimayumik aulapkaininnganikluuniit akhuerutiqarluni piqaqturlu naunaipkaiqalluarhimaitunik naunaitkutinik piinariaqittaqtunik Nunavunmut huratjaut uumayut allatqiinguyut. Amigaitqiyauyuq ihvriuqninga ihvriuqtauyuq huratjanut uumayut allatqiinguyut Nunavunmi atahimayuq amigairninnganut piqarninnganiklu qanuritaakhaanganik piyut akhuerutauyunut huratjat uumayuutingit uumayut allatqiinguyut. Naunaitkutit uumayunut allatqiinguyut ikitqiyauyunut inuqarniq maniliurnikkulluuniit akhuerutauninnga piinariaqhimanngitmat. Tamna pilluaqhimaninnga naunaitkutanut Nunavunmi huratjanut pipkaiyut tunngavinga kitunut qakugu ihvriuqniqmik ihariagiyauyut hivulliutigiyauyukhalla ihumagiyauyukhaq piyukhaqlu. Atuqtauyuq amigaittuni pitjutigiyanginni, ilitariyauninnga akhuerutauyunut avatilirinit piliuqtaulimaittuq tamna naunaitkutaq piinariaqlumi, pipkaitjutauyuq angikliyuumiutiqaqhuni naunaitiaqhimayumut ihumaliurniqmik ukununnga Nunavunmi maniqqangit imangillu.





Nunavunmi, Kaanata Piksami 1-2

Akhuurutauyut Nayugangit Iqaluit Uumayullu qitiqannngittut Nunavunmi

- Coral and Sponges²
- Iqalukpingit Amigainningit¹
- Kalaallit Nunaani Nataarnakpakyuaqvariat¹
- Kalaallit Nunaani Shark-giaktuq¹
- Icelandic-mi Tallurunaiqarvingit Amigainningit¹
Ukiuqtaqturmiutat pukiqtaqaqtulik
Aupayangavyaktut Kinguqarvingit
// amigainningit^{1,2}

Base Features

- Nunallaq
- Apput
- Haquummivik
- Tahiq / Kuugaq
- Nunavunmi Avikturhimannga Kiklinga
- Kaanatami Pulaarvik
- Utiqtaqtunik Tingmianik Angunahuarviuttailivik
- Kaanatami Huraaqarvik

1:11,000,000

100 50 0 100 200 300 400
Kilometres

Prepared By:
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References:

¹Mercier, F., F. Rennie, D. Harvey and C.A. Lewis (Eds.). 1994. Arctic Marine Workshop Proceedings. Winnipeg, Manitoba. Park Establishment Branch, National Parks Directorate, Parks Canada Department of Canadian Heritage.

²Stephenson, S.A. and Hartwig, L (Eds.). 2010. The Arctic Marine Workshop. Winnipeg, Manitoba. Freshwater Institute, Fisheries and Oceans Canada. Canadian Manuscript Report of Fisheries and Aquatic Sciences 2934. 67 pp. (shape files provided by DFO to Nunami Stantec). January 20, 2012.



Data Sources: Geogratis Atlas, GNDOfE, Parks Canada

Projection: Canada Lambert Conformal Conic, NAD83

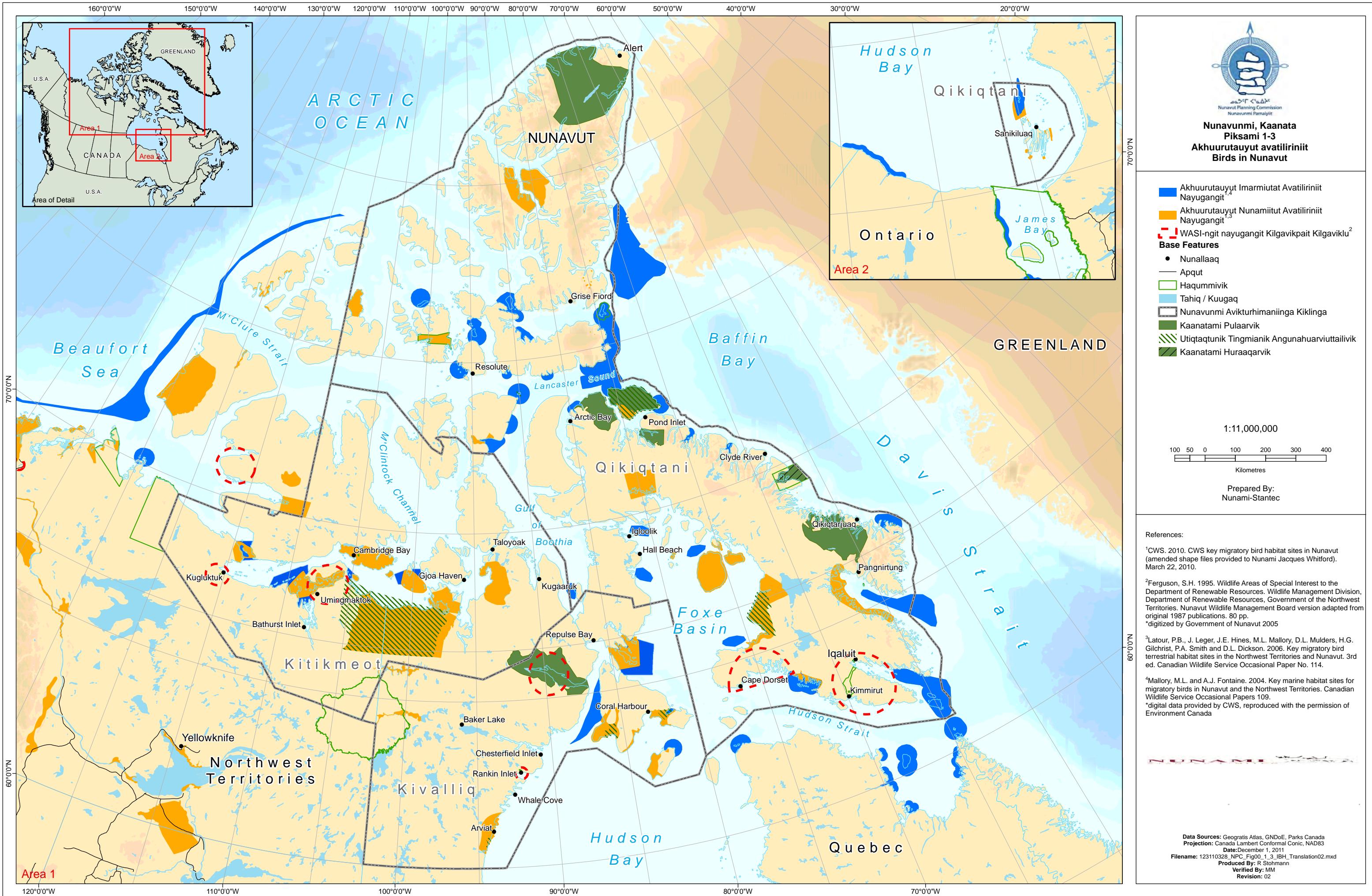
Date: January 27 2012

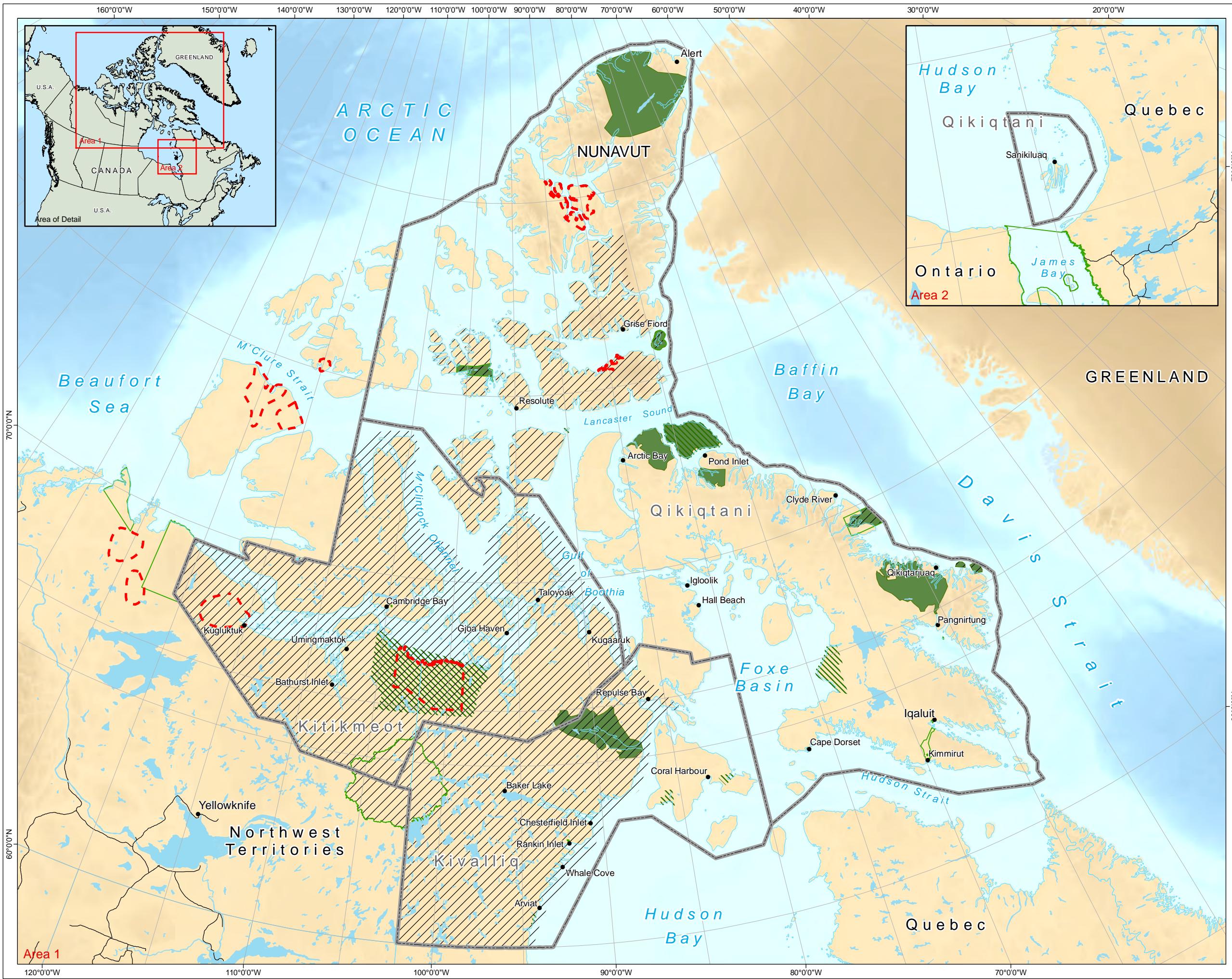
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Produced By: R Stohmann

Verified By: MM

Revision: 03





Nunavummi, Kaanata Piksami 1-4 Akhuurutauyut avatiliriniit Uminngmanut Nunavumi

- ¹Uminngmanut Munariniging²
²WASI-nigt nayugangit Uminngmait¹
- Base Features**
- Nunallaq
 - Apput
 - Haqummivik
 - Tahiq / Kuugaq
 - Nunavummi Avikturhimaninga Kiklinga
 - Kaanatami Pulaarvik
 - Utiqtaqtunik Tingmianik Angunahuarviuttailivik
 - Kaanatami Huraaqarvik

1:11,000,000

100 50 0 100 200 300 400 Kilometres

Prepared By:
Nunami-Stantec

References:

¹Ferguson, S.H. 1995. Wildlife Areas of Special Interest to the Department of Renewable Resources. Wildlife Management Division, Department of Renewable Resources, Government of the Northwest Territories. Nunavut Wildlife Management Board version adapted from original 1987 publications. 80 pp.

*digitized by Government of Nunavut 2005

²Government of Nunavut. 2003. In reference to the Consolidation of Wildlife Management Muskox Areas Regulations R.R.N.W.T. 1990, c. W-11, as duplicated for Nunavut by s. 29 of the Nunavut Act. Department of Environment.



Data Sources: Geografis Atlas, GNDOfE, Parks Canada

Projection: Canada Lambert Conformal Conic, NAD83

Date: February 27 2012

Filename: 123110328_NPC_Fig00_1_5_Muskox_Translation02.mxd

Produced By: R Stohmann

Verified By: MM

Revision: 04



Nunavunmi, Kaanata Piksami 1-5 Angunahuarvikhaunngittut Nunavunmi

- ▲ Kaanatami Ingilraqnitanik Nayugangit⁵
- Uuqtuqtayumayuq Kaanatami Imarmiutanik Pulaarvikhaq
- ▨ Uuqtuqtayumayuq Kaanatami Pulaarvikhaq^{2,3}
- Kaanatami Pulaarvingit⁴
- Nunavunmi Pulaarvingit⁶

- Base Features**
- Nunallaq
 - Apput
 - Haquummivik
 - Tahiq / Kuugaq
 - Nunavunmi Avikturhimianninga Kiklinga
 - Utqiagvik Tingmianik Angunahuarvittailivik
 - Kaanatami Huraaqarvik

1:11,000,000

100 50 0 100 200 300 400
Kilometres

Prepared By:
Nunami-Stantec

References:

- ¹Shape provided by Parks Canada to Nunami Stantec. December 2010.
- ²Bathurst Island Land Withdrawl. Map Depiction of Northern Bathurst Island National Park of Canada. Shape provided by Parks Canada to Nunami Stantec. July 2009.
- ³Tuktuk Nogait shape provided by Parks Canada to Nunami Stantec.
- ⁴National Parks. Shapes extracted by Nunavut Planning Commission from data provided by Parks Canada. 2010.
- ⁵Shapes Provided by Parks Canada to Nunavut Planning Commission
- ⁶Shapes Provided by Government of Nunavut, Department of Environment to Nunavut Planning Commission.



Data Sources: Geogratis Atlas, GNDOfE, Parks Canada
Projection: Canada Lambert Conformal Conic, NAD83

Date: February 2012
Filename: 123110328_NPC_Fig00_1_6_Protected_Areas_Translation02.mxd
Produced By: R Stohmann
Verified By: MM
Revision: 01

