

Localizing Marine Conservation initiatives: MPA Management in the Inuvialuit Settlement Region (ISR) as a Case Study

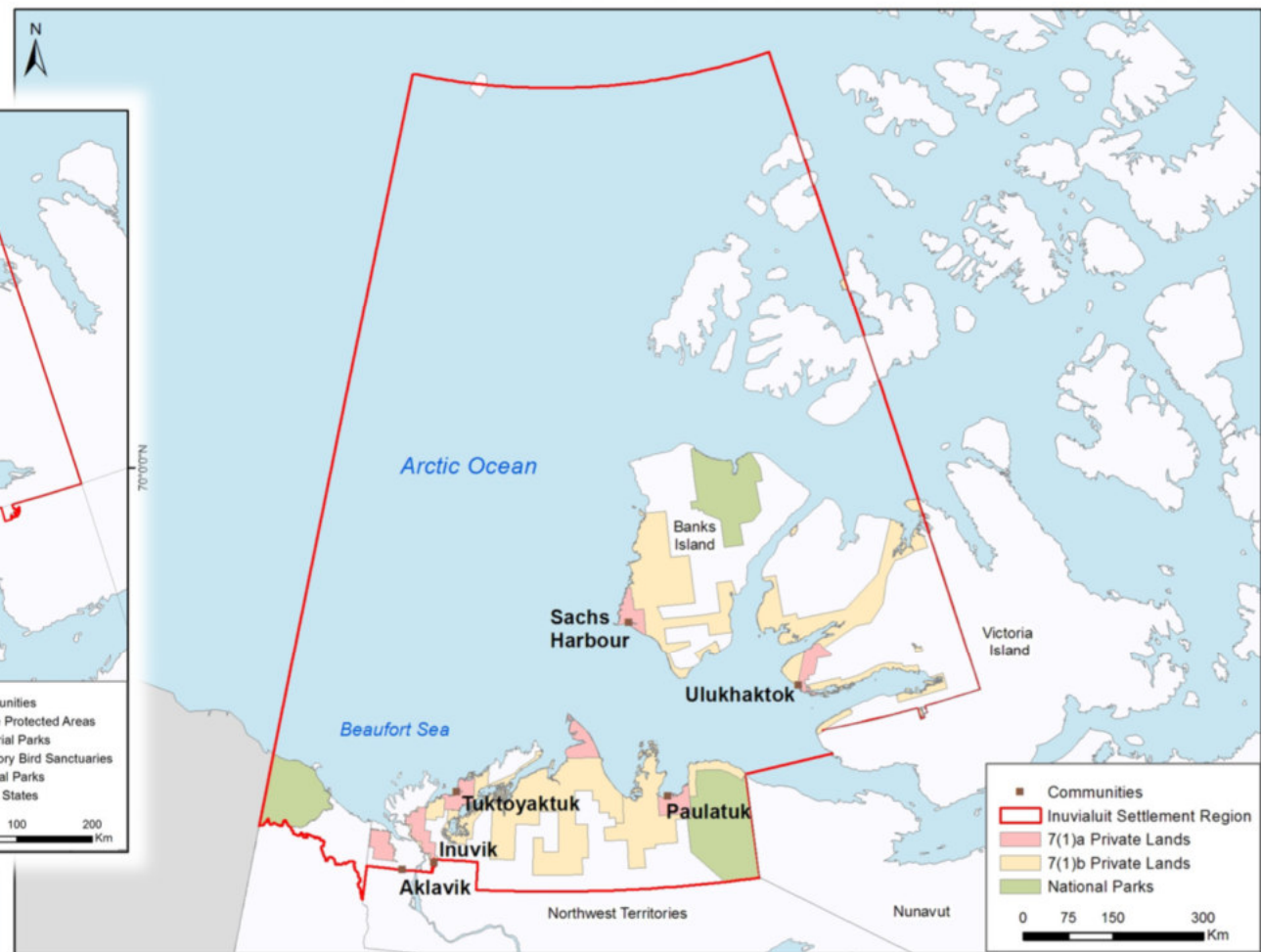
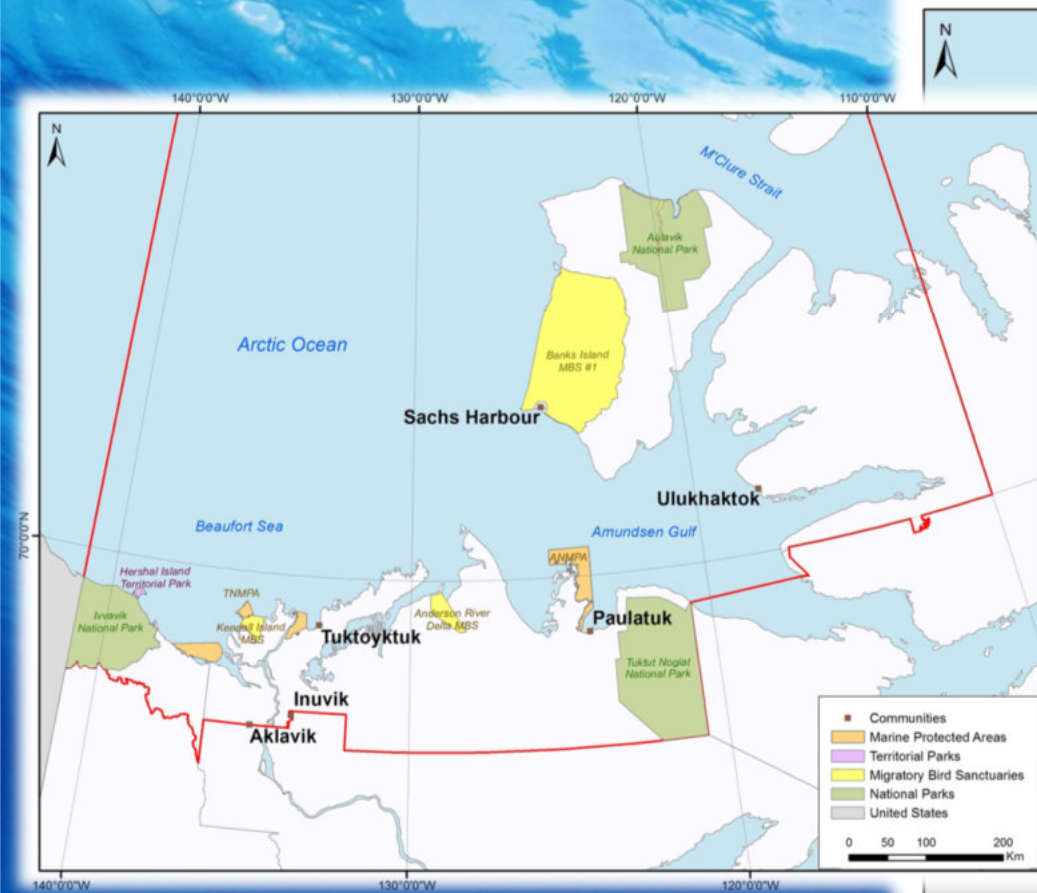
October 10th, 2018

*Kayla Hansen-Craik, Marine Protected Area Coordinator
Inuvialuit Regional Corporation / Joint Secretariat*



IAB3: Arctic marine protected areas: Identification, effectiveness, co-management and cooperation
CAFF Arctic Biodiversity Congress
Rovaniemi, Finland

Inuvialuit Final Agreement





The Co-management System

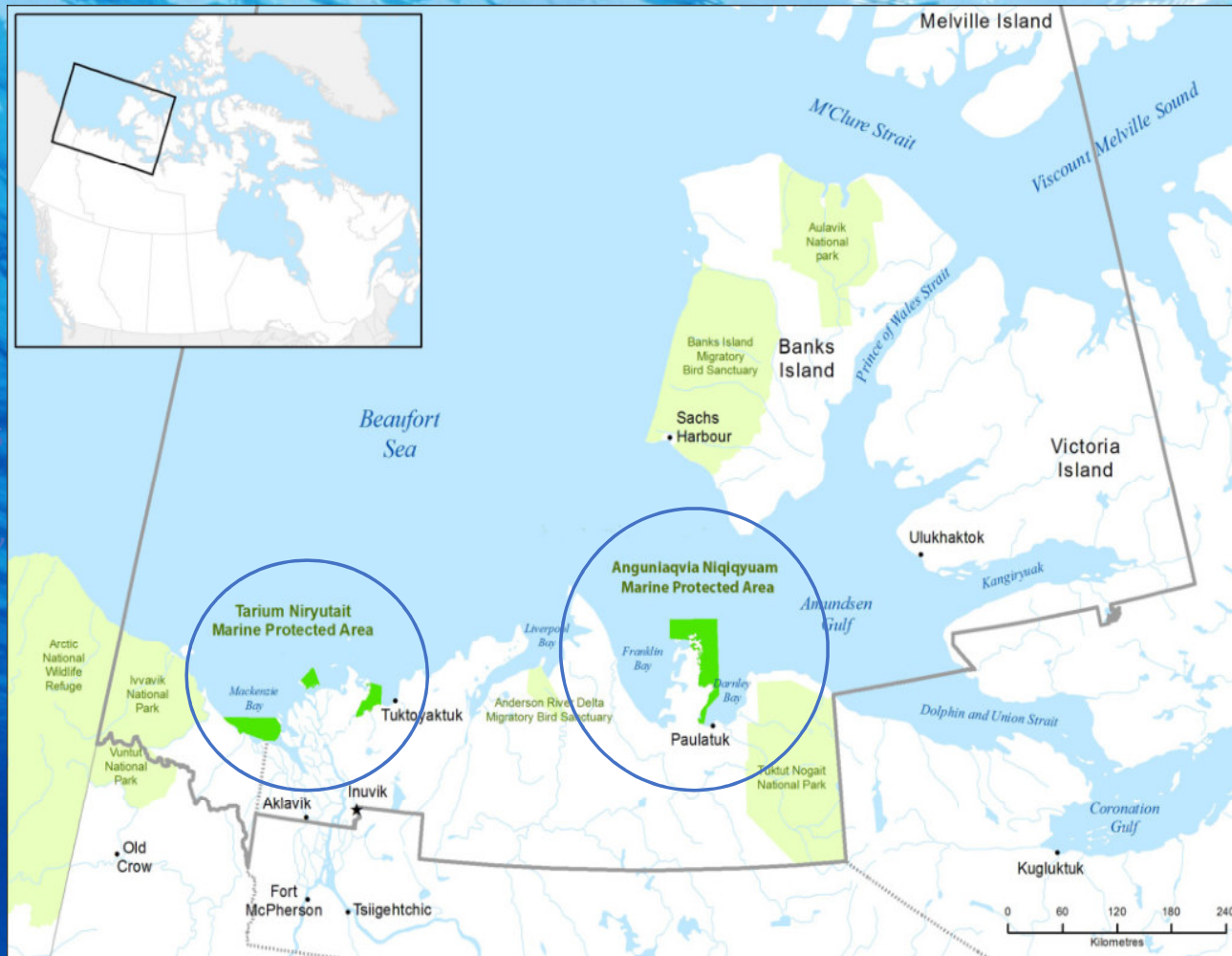
As established in the Inuvialuit Final Agreement



The Joint Secretariat-Inuvialuit Settlement Region provides administrative, technical and logistical support to Inuvialuit Organizations and Co-management Boards.

MPAs in the Inuvialuit Settlement Region

Tarium Niryutait MPA
“to conserve and protect beluga whales and other marine species, their habitats, and their supporting ecosystem.”



Anguniaqvia Niqiqyuam MPA
“To maintain the habitat to support populations of key species (such as beluga whales, Arctic char, and ringed and bearded seals).”

“to maintain the integrity of the marine environment offshore of the Cape Parry Migratory Bird Sanctuary so that it is productive and allows for higher trophic level feeding. The MPA will do this by making sure that the Cape Parry polynyas and associated sea-ice habitat, and the role of key prey species (e.g., Arctic Cod), are not disrupted by human activities.”

Retrieved from <http://www.dfo-mpo.gc.ca/oceans/mpa-zpm/anguniaqvia-niqiqyuam/index-eng.html>

MPA Governance in Inuvialuit Settlement Region

Provide guidance and regional coordination to MPA management

Western Arctic MPA Steering Committee

Fisheries Joint Management Committee (1)
Department of Fisheries & Oceans (3)
Chairman of TN MPA Working Group (1)
Chairman of ANMPA Working Group (1)

Provide regular input on MPA management and monitoring

ANMPA Working Group

Community of Paulatuk (4)
FJMC (1)
DFO – Oceans (1)

TNMPA Working Group

Communities of Aklavik, Inuvik, and Tuktoyaktuk (2ea)
FJMC (1)
DFO – Oceans (1)

MPA Secretariat
DFO Oceans & Inuvialuit MPA Coordinator

MPA Research Governance

1. FJMC/HTC Presidents Meeting (Sept)

Initial discussion on community (HTC) fisheries and Marine Mammal research priorities Involved: FJMC, HTC Presidents, DFO Oceans, and MPA Coordinator



2. Regular TN and ANMPA WG Meetings

Between Nov. and Dec. to discuss individual MPA research priorities
Involved: MPA WG members, FJMC, DFO, MPA Coordinator



3. FJMC Call for Research Proposals (November)

FJMC/MPA annual research priorities developed through steps 1 and 2 are distributed to DFO Science and academia through FJMC annual call for proposals

MPA Research Governance Cont.

4. MPA WG Discussion on Proposals

Each MPA WG discusses MPA related proposals and "ranks" against community MPA research priorities and MPA Conservation objectives.



5. FJMC Research Meeting (Jan)

Research proposals presented to FJMC and WAMPA members and initial WAMPA "project ranking" exercise takes place



6. Final MPA Research Allocations (Apr)

Final research funding allocations completed during FJMC Budget meeting
DFO Oceans and MPA Coordinator attend



Building Youth Capacity in Beluga Programs



Fisheries and Oceans
Canada



DFO and FJMC prioritize youth and beneficiary training with the beluga research and monitoring programs. A central focus has been to build capacity in beluga sampling and research among youth interested in science and monitoring. Additionally outside of the field setting many youth had the opportunity to visit research labs and attend various meetings and conferences. Researchers also provided class presentations and seminars at Aurora college and public schools in both the north and south. Youth and monitors have been encouraged to share their knowledge at local, national and international presentations.



J. Brewster 2015



K. Nuyaviak & S. Osterlag 2008



K. Snow 2014



B. Voudrach, K. Snow & R. Walker 2010



Mangilaluk School 2014



A. Gordon Jr. & D. Swainson 2015



ArcticNet 2014



K. Loewen, B. Ruben & M. Bennett 2013



B. Green, L. Postma & B. Green 2014



C. Cockney & K. Hansen-Craik 2004



K. Snow & K. Hansen-Craik 2014



J. Noksana & F. Pokiak 2009



A. Gordon Jr. & D. Swainson 2015



S. Osterlag & D. Pokiak 2014



M. Rogers 2013



K. Tingmiak & L. Loseto 2012



J. Noksana Sr., E. Couture, J. Carpenter, V. Pokiak, K. Snow & T. Pokiak 2015



P. Lennie, K. Hansen-Craik, L. Loseto 2013



B. Lucas, L. Loseto & B. Voudrach 2010



Pokiak, R. Walker, J. Noksana 2009

Youth trained since 2004: Andrew Gordon Jr, Brandon Voudrach, Brandon Green, Bessie Ruben, Bernadette Green, Candice Cockney, Cole Felix, Courtney Kikoak, Devalyn Pokiak, Ennyok Sudlovenick, Jasmine Brewster, Jocelyn Noksana, Kayla Hansen-Craik, Kate Snow, Kendra Tingmiak, Kayla Nuyaviak, Kyle Taylor, Lionel Kikoak, Megan Kimiksana, Melanie Rogers, Melanie Wolki, Paden Lennie, Ryan Walker, Rebecca Pokiak, Shaeli Pokiak, Cody Kogiak, Cecilia Greenland, Desiree Arey, Jessi Pascal, Trent Arey, Casandra Greenland, Rylan Green.



K. Tingmiak & D. Rogers 2012



K. Taylor & L. Loseto 2004



B. Green & Pokiak & P. Lennie 2013



E. Sudlovenick & K. Hansen-Craik 2013



S. Pokiak 2014



D. Whalen, K. Hansen-Craik, C. Hoover & P. Lennie 2013



C. Kikoak, E. Couture, L. Kikoak, T. Pokiak, K. Snow 2015

- Total of at least 62 of community members hired into 107 positions from 2005–2017
- Of these, 34 individual youth into 48 positions

Quyanaqqak!
Thank you!

Questions?



ANMPA Nearshore Fish Survey
community Technicians



Oceans Day 2018
Ulukhaktok, NT



ANMPA Nearshore Fish Survey Crew
(Photo Credits D. McNicholl, DFO)