



Marine Conservation Targets in Canada's Marine Waters: Area- Based Management

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Outline

- Canada's Commitments
- Approach to Achieving Canada's Marine Conservation Target (MCT)
- Science and Indigenous Knowledge in Area-based Management
 - Marine Protected Areas (MPAs)
 - MPA Networks
 - Integrated Oceans Management and Marine Spatial Planning
- Summary and Future Directions



Canada's Commitments

- **In 2010 Canada agreed to a Marine Conservation Target (MCT) under the United Nations Convention on Biological Diversity (Aichi Target 11):**
“By 2020.....10% of coastal and marine areas,are conserved”
- **The target applies to Canada – not to an ocean or on a bioregional basis**
- **The commitment to meet the Aichi Target 11 was reconfirmed:**
 - In 2015: United Nations General Assembly's 2030 Agenda for Sustainable Development
 - In 2016: Canada-U.S. Joint Statement on Climate, Energy, and Arctic Leadership



Approach to MCT

Canada's approach to achieve its MCT is based on 3 foundational principles:

1. Knowledge based decision-making (Science / Traditional)
2. Transparency
3. Advancing reconciliation with Indigenous groups



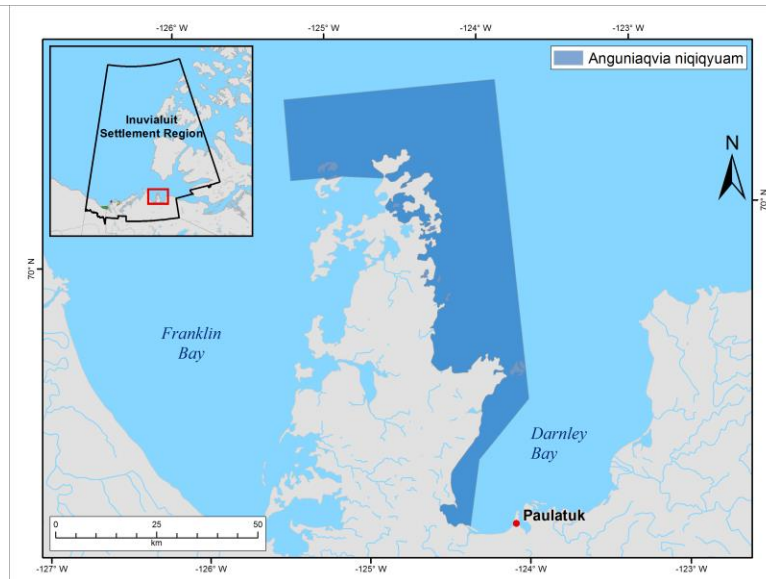
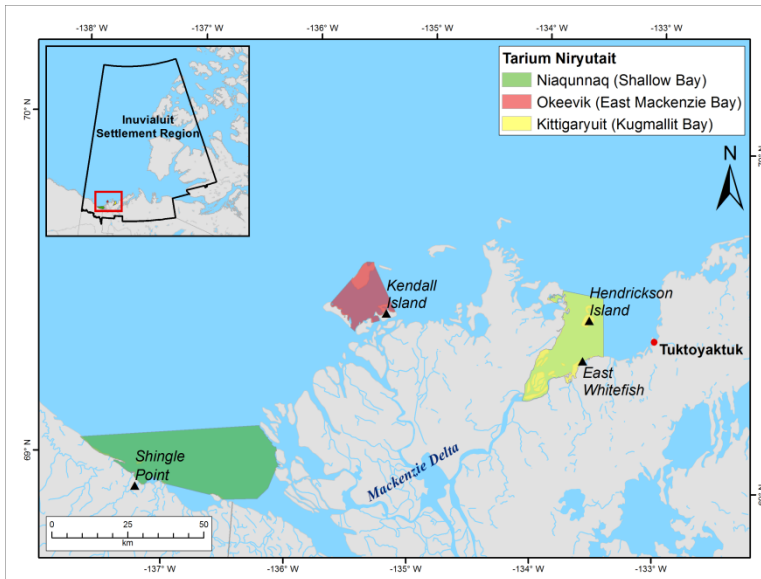
Approach to MCT

- To achieve Canada's MCT, the Department of Fisheries and Oceans (DFO) has been leading and advancing area-based conservation measures in Canada's coastal and marine waters through the establishment of:
 - Marine Protected Areas (MPAs)
 - Marine Protected Area Networks
- Marine Spatial Planning also ensures broader area-based conservation while supporting sustainable economic development
 - Continued implementation of Integrated Oceans Management Plan of the Beaufort Sea



Science and Indigenous Knowledge in Area-based Management: Marine Protected Areas (MPAs)

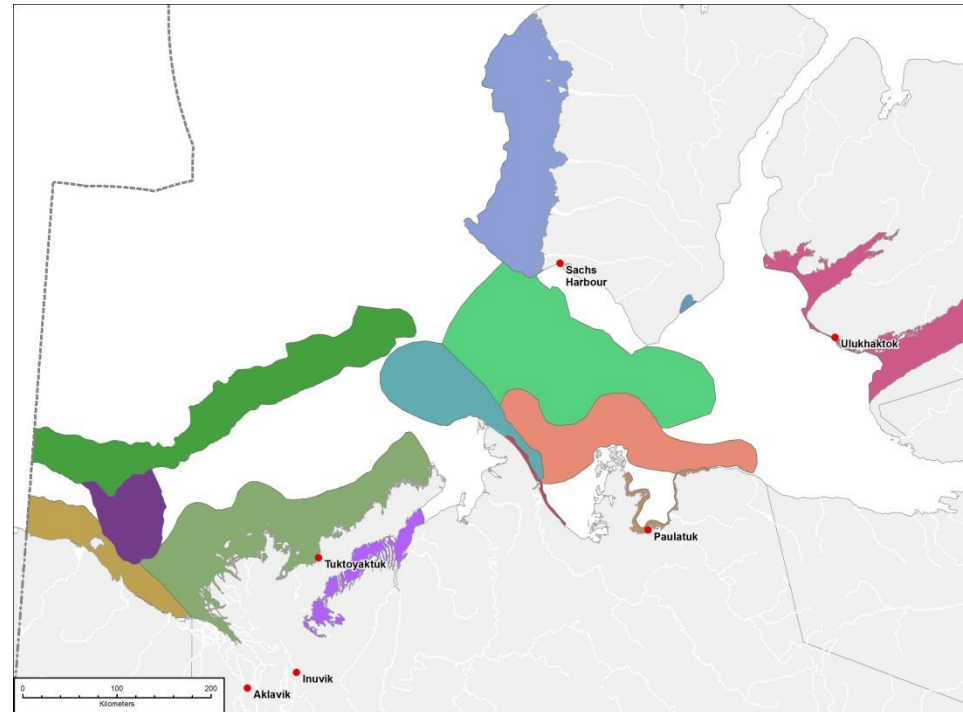
- MPAs are geographically defined areas in the marine environment managed for long-term conservation
- MPAs are designated under the *Oceans Act*
- Two MPAs have been designated in the Canadian Western Arctic: Tarium Niryutait MPA (2010) and Anguniaqvia niqiqyuam MPA (2016)





Science and Indigenous Knowledge in Area-based Management: Marine Protected Areas (MPAs)

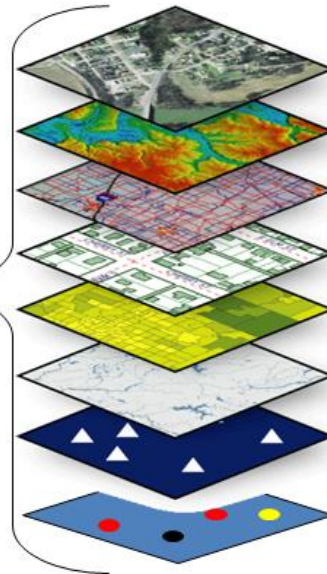
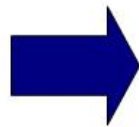
- Ecologically and Biologically Significant Areas (EBSAs) form the basis of MPAs. EBSAs are identified through a peer-reviewed Canadian Science Advisory Secretariat process
- Science and Indigenous Traditional and Local Knowledge are used to inform all stages of the MPA process
 - Formulate MPA Conservation Objectives
 - Delineate MPA boundaries
 - Inform the MPA regulatory process
 - Support MPA management and monitoring





Science and Indigenous Knowledge in Area-based Management: MPA Networks

- A plan that identifies ecologically and culturally important areas in the Western Arctic, looks at the risks they face, and recommends the most appropriate conservation tool to protect them
- Sites are designed to “work together” to promote conservation goals over a broad geographic scale



CONSERVATION PRIORITIES

NETWORK DESIGN

Community reports

Traditional and Local Knowledge

Consultation

Science

Working Group



Integrated Oceans Management and Marine Spatial Planning

- Integrated Oceans Management Plan for the Beaufort Sea (2009)
 - Guide and coordinate activities that affect the Beaufort Sea
 - Inclusive process
 - Decisions based on best available information - Science / Traditional and Local Knowledge
- Marine Spatial Planning (MSP) is the process of analyzing ocean areas and planning for their use
- MSP supports informed decision-making, takes into account areas for conservation and development





Summary and Future Directions

- Science and Indigenous knowledge inform all of our conservation initiatives
- Indigenous land claim obligations are respected
- Future activities in the Beaufort Sea include:
 - On-going management and monitoring of Tarium Niryutait and Anguniaqvia niqiqyuam Marine Protected Areas
 - Including the first assessment of the TNMPA Management & Monitoring plans
 - Development of MPA Network Action Plan for the Western Arctic bioregion
 - Assessment of sites with the Inuvialuit Settlement Region suitable for marine protection under MCT
 - Science research activities on coastal and offshore fisheries and marine mammals
 - Continued support for Integrated Oceans Management



Thank you

For further information:

Government of Canada

<http://news.gc.ca/web/article-en.do?mthd=advSrch&ctr.page=2&ctr.dpt1D=6669&nid=1081789>

Protecting Oceans: Meeting Canada's Marine Conservation Targets

<http://www.dfo-mpo.gc.ca/oceans/index-eng.html>

Beaufort Sea Integrated Management Area

<http://www.dfo-mpo.gc.ca/oceans/management-gestion/beaufort-eng.html>

<http://www.beaufortseapartnership.ca/>