

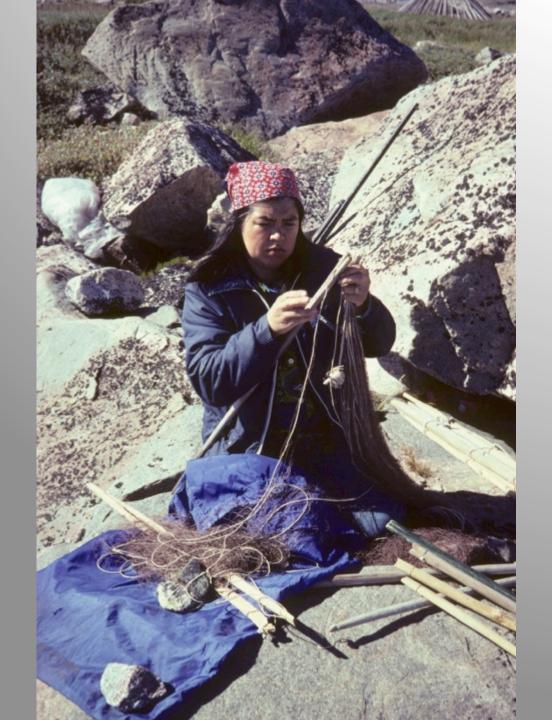






# Summer fishing – Goose Island





# Winter Hunting-Trapping



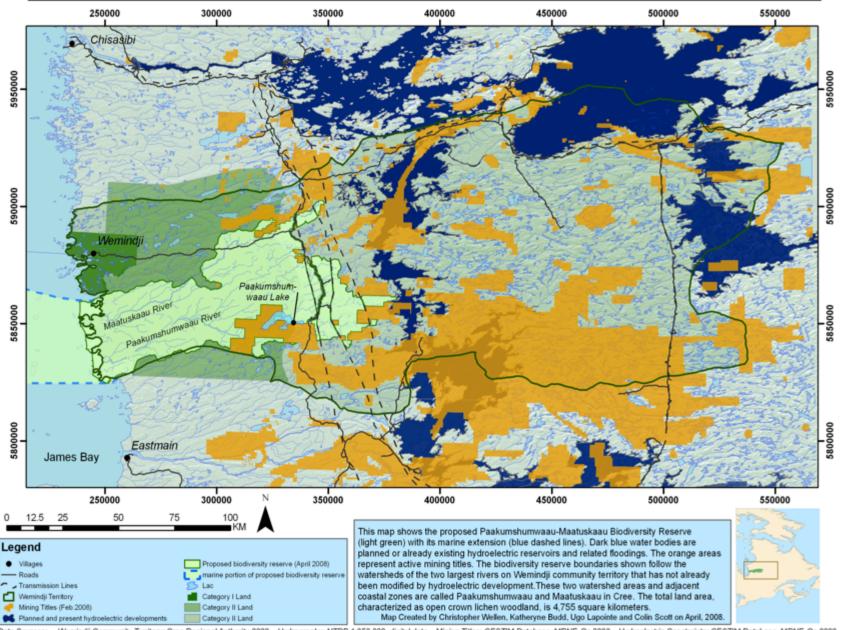
### Partnered Research (2005-10)\*



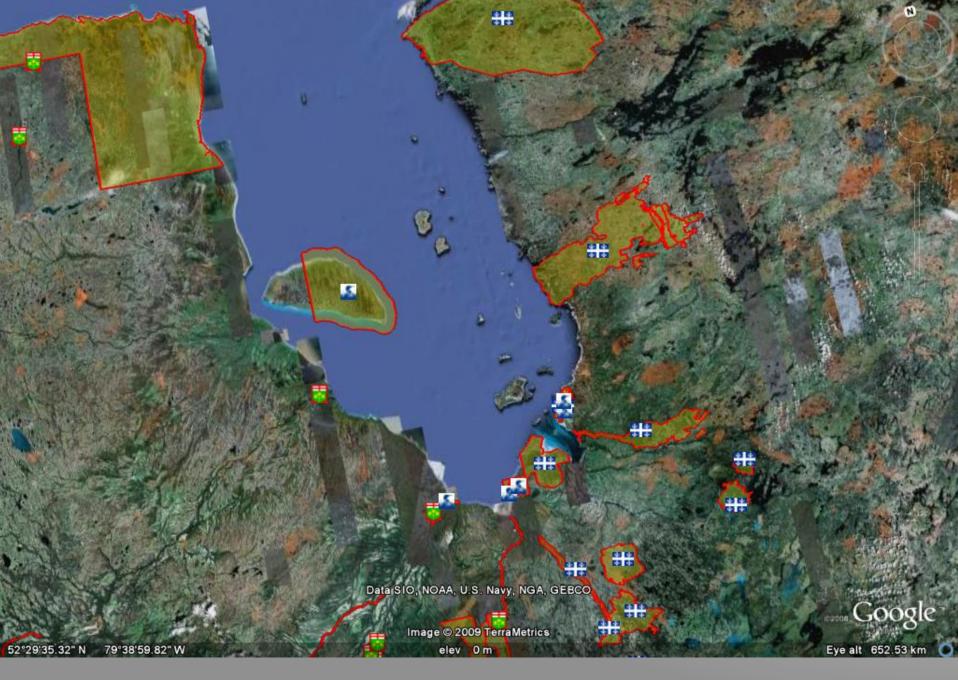
\*Main funding: Social Sciences and Humanities Research Council (Canada), Community-University Research Alliances (CURA) and Aboriginal Research programs

- The partnership (co-directed by Rodney Mark, then Chief of Wemindji and Colin Scott, McGill University):
  - Family Hunting Territory Stewards (nituuhuu uuchimaauch)
  - Cree Nation of Wemindji
  - Grand Council of the Crees (Eeyou Istchee)
  - Cree Trappers Association (with resolutions of support)
  - Ministère du Développement durable de l'Environnement et des Parcs [MDDEP]
  - Parks Canada and Department of Fisheries and Oceans
  - Canadian Parks and Wilderness Society (CPAWS/SNAP)
- Researchers from McGill, Concordia, U. of Manitoba and UBC in:
  - Anthropology
  - Archaeology
  - Biology
  - Geography
  - Marine Sciences
  - Natural Resource Sciences
  - Environmental Philosophy

### Paakumshumwaau Biodiversity Reserve Proposal and Development Pressures



Data Sources: Wernindji Community Territory: Cree Regional Authority 2002 Hydrography: NTDB 1:250,000 digital data Mining Titles: GESTIM Database, MRNF, Qc 2002 Hydroelectric Constraints: GESTIM Database, MRNF, Qc 2002 Roads: NTDB 1:250,000 Hillshade: Shuttle Radar Topography Mission (SRTM) Watershed Delineation: SRTM and AVSWAT2000 Inset: ESRI World Basemap. Data may contain some non comformities, defects, or errors. Datum: North American Datum 1983 Projection: UTM Zone 18N



**Developing Network of Protected Areas** 

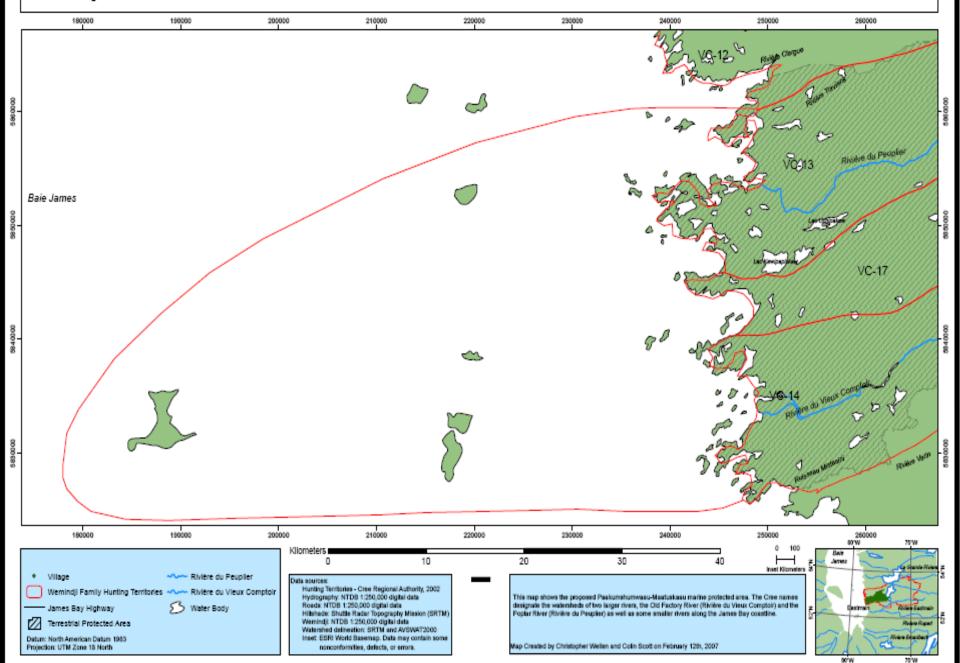
### Goals of the Tawich PA

- To protect the ecological and cultural integrity and diversity of the offshore islands, waters and estuaries of eastern James Bay
- To do so in a manner that is consistent with and builds upon Cree knowledge, values, livelihoods and institutions
- No high-impact industrial activities
- Opportunities for Cree-operated low-impact development (e.g. ecotourism, cultural tourism)
- Indigenous/scientific knowledge partnerships for protection and restoration of habitats and ecosystems

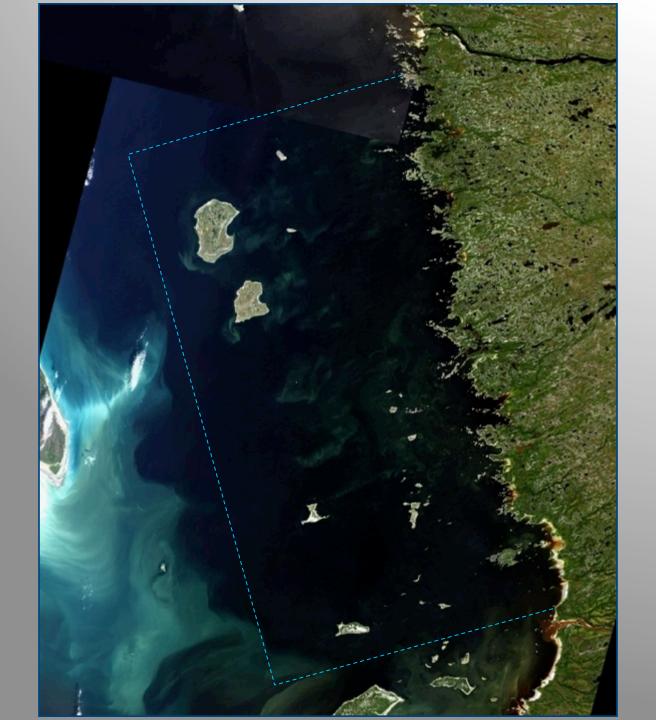




### Proposed Paakumshumwaau - Maatuskaau Marine Protected Area







### High intrinsic natural and cultural value

- Marine mammals
  - polar bears
  - beluga whales
  - seals
- International waterfowl
  - migratory and nesting geese, eiders, loons, terns and shorebirds
- Fish
  - sea-run whitefish, cisco, brook trout
- Designations and recognitions
  - Twin Islands Wildlife sanctuary
  - IBP (International Biosphere Project) and IBA (Important Bird Area) sites
- A meeting place of Cree and Inuit lifeways and environmental knowledge







## Cape Hope Islands









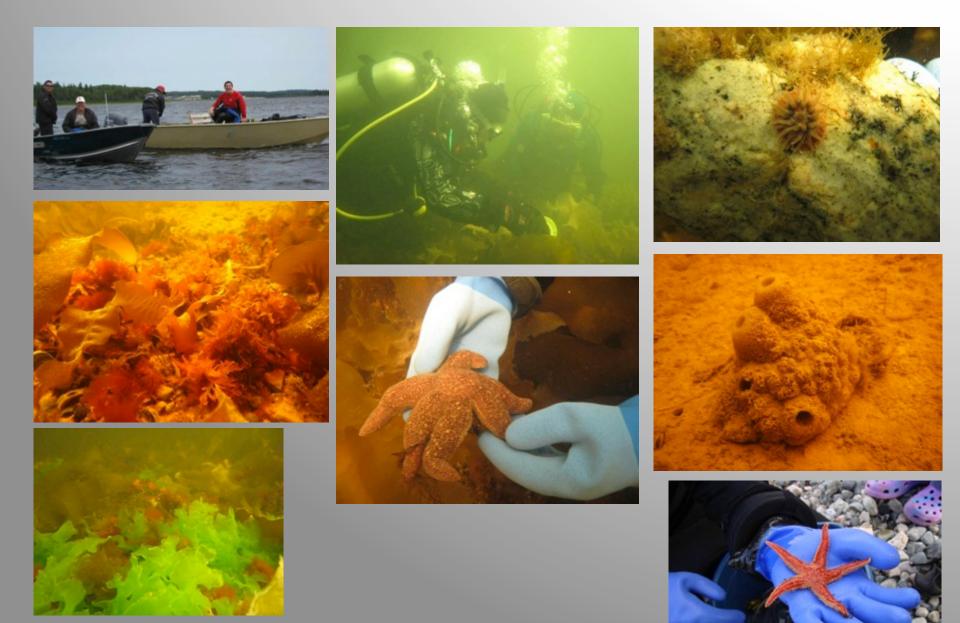












Marine Surveys 2007/2008

# Beach Seine Sampling

# Helicopter Survey 2009



# **Possible Marine Protected Area (MPA) designations**

Dept of Fisheries and Oceans
Oceans Act MPAs: narrowly
defined biological protection

### **Environment Canada**

National Wildlife Areas (NWAs) and Marine Wildlife Areas (MWAs): less narrowly defined but focused on biological/ ecological protection

### Parks Canada

National Marine Conservation Areas (NMCAs): broadly defined including sustainable uses and ecological as well as cultural protection

### Tawich (Marine) Conservation Area Eastern James Bay



Monica Mulrennan (Associate Professor, Dept. of Geography, Planning and Environment, Concordia University Véronique Bussières (Ph.D. candidate, Dept. of Geography, Planning and Environment, Concordia University) Colin Scott (Associate Professor, Dept. of Anthropology, McGill University)

The Wemindji-McGill Protected Area Project

January 20, 2009

# Trans-jurisdictional Coordination

Enhanced terrestrial-marine connectivity through strategic networking with Quebec Ministère du Développement durable, de l'Environnement, de la Faune et des Parcs (MDDEFP) biodiversity reserves and aquatic reserves, both existing and to be created – especially in the coastal zone.

## **ICCAs**

Indigenous Peoples' and Community Conserved Areas and Territories (ICCAs) [recognized by the International Union for the Conservation of Nature (IUCN) at World Parks Congress 2004]:

"ICCAs are natural and/or modified ecosystems containing significant biodiversity values, ecological services and cultural values, voluntarily conserved by Indigenous peoples and local communities, both sedentary and mobile, through customary laws or other effective means" (ICCA Consortium)

# Our research partnership and collaboration since 2010:

- INSTEAD (Indigenous Stewardship of Environment and Alternative Development) funding from the Fonds Québecois de la Recherche sur la Société et la Culture (FRQSC), 2011-2017, with partners throughout Canada and Latin America, including the GCC-EI and among many others, Mapuche of Argentina, represented by Jorge Nahuel, co-founder of the ICCA Consortium
- Quebec Centre for Biodiversity Sciences, Working Group and Pilot Initiatives
- Migratory Birds Habitat Task Force project on the now 30-year crisis in eelgrass and waterfowl decline (Rod Pachano and George Lameboy)
- Funding application toward a global Centre for Indigenous
  Conservation and Development Alternatives (CICADA) extend
  research alliances from the Americas to indigenous Australia, East
  Africa, Fenno-Scancia, Siberia and Southeast Asia

# International networking

- Grand Council of the Crees of Eeyou Istchee (GCC-EI) delegation to the World Indigenous Network Conference, Darwin, Northern Territory, Australia, May 2013. The focus of the conference was to develop a sustained network of First Peoples devoted to indigenous approaches to land and sea management
- INSTEAD team representation at the Convention on Biodiversity (CBD) Conference of the Parties, Montreal, November 2013 a vehicle for the achievement of the 'Aichi targets': 17% of terrestrial and inland water, 10% of coastal and marine space in protected areas by 2020; with full and effective participation of indigenous and local communities, traditional knowledge, innovations, practices and customary uses
- Planned GCC-EI delegation to the World Parks Congress, Sydney,
   Australia, November, 2014

# Next steps back at home...

- Proposed coastal community consultation to discuss EMR research needs and options for a marine protected area or areas, June 2014
- If a National Marine Conservation Area (NMCA) approach is endorsed as an option to be pursued, re-energize GCC-EI/ federal discussions toward that goal
- Orchestrate all tools, options and relationships for EMR protection in the context of Eeyou Istchee-wide land and sea use planning, monitoring, management and rehabilitation

