

# Activities in Marine Protected Areas: From Impacts to Valued Components



**Marie-Claude Martel**

*Impact Assessment Specialist /Parks Canada  
Canada*

Marie-Claude.martel@pc.gc.ca





# National Parks



- 48 National Parks
- Total: 336 362 km<sup>2</sup>
- *“Maintenance or restoration of **ecological integrity**, ...shall be the first priority...”*

**Most activities are prohibited unless approved**

Ecological integrity mandate

Parks Canada is the regulator of most activities.

Many experiences and experts

Parks Canada is committed to ensuring Indigenous connections are honored, reconciliation is advanced, and Indigenous rights are respected.



# National Marine Conservation Areas



- 5 marine parks/NMCAs
- Total: 123,490 km<sup>2</sup>
- “...shall be managed and used in a **sustainable manner...**”

**Most activities are authorized unless prohibited**

Ecological viability mandate

Parks Canada isn't the regulator of commercial fisheries or commercial shipping.

New program and few examples

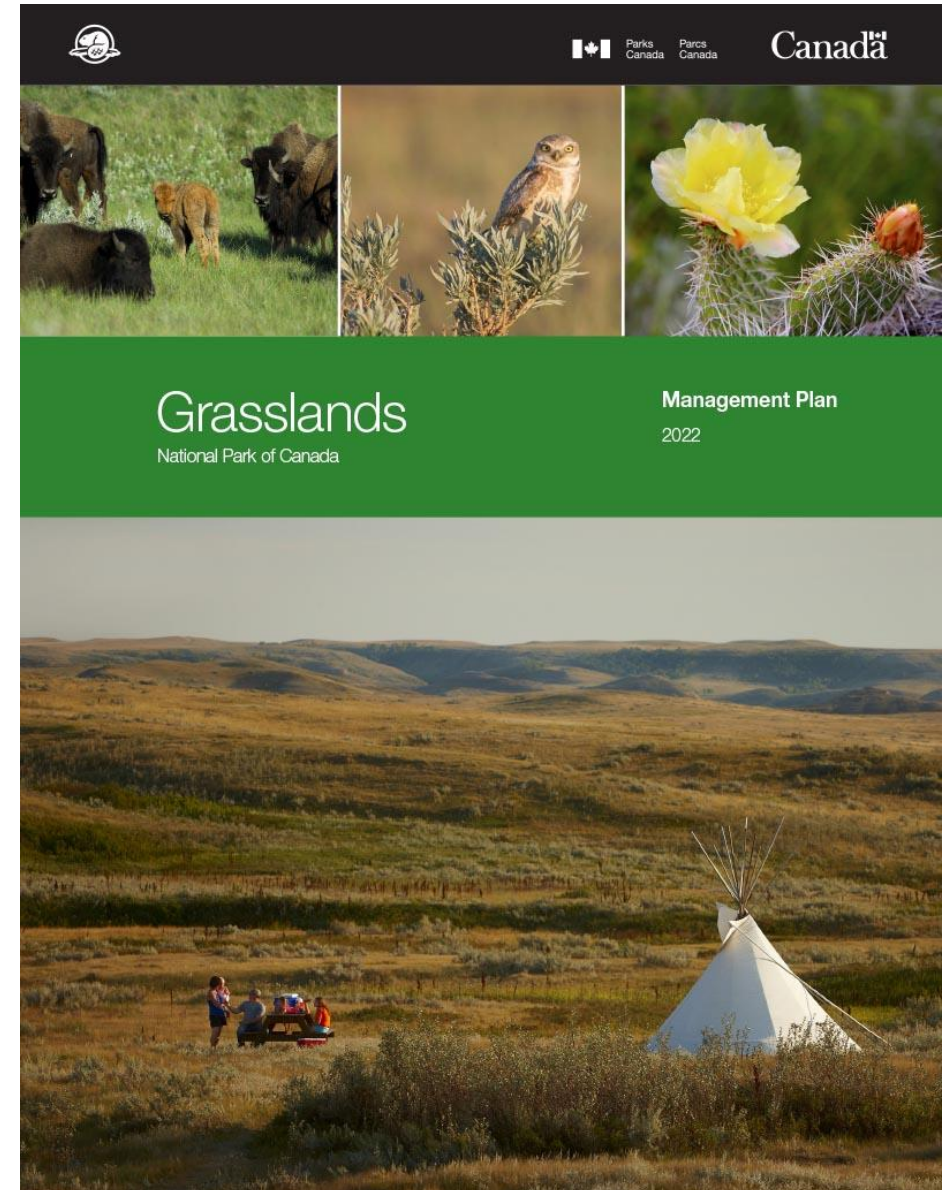
National Parks +  
**Contribute to the well-being** of  
Indigenous peoples and coastal  
communities.





# SEA of Management Plan

- All aspects of the environment
- Large area
- All uses and activities
- Inform subsequent project level assessments



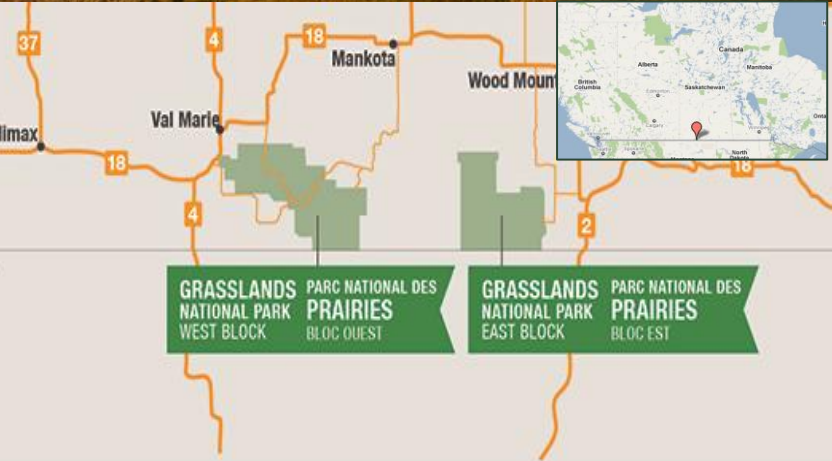


# How

- 1) Identify environmental components
- 2) Prioritize Valued Components
- 3) Identify stressors
- 4) Assess the impacts of these stressors on Valued Components



# National Park



## Valued Component

## Source

Fire Cycle/Area Burned

Monitoring Measure

Grasslands Songbird Community

Monitoring Measure

Native Prairie

Additional Valued Component

Black-tailed Prairie Dog Ecosystem

Monitoring Measure

Burrowing Owl

Monitoring Measure

Greater Sage-grouse

Monitoring Measure

Greater Sage-grouse Habitat

Species at Risk

Invasive Alien Plant Species

Monitoring Measure

Riparian Health Assessment

Monitoring Measure

Eastern Yellow-bellied Racer

Species at Risk

Greater Short-horned Lizard

Species at Risk

Mormon Metalmark

Species at Risk

Prairie Loggerhead Shrike

Species at Risk

Swift Fox

Species at Risk

Little Brown Myotis

Species at Risk

Bison

Monitoring Measure

Northern Leopard Frog

Species at Risk

# Marine Park



Valued Component	Source
<b>Ecosystem Component</b>	
Whales - Rorquals (4x)	Monitoring Measure /Species at Risk
Whales - Belugas	Monitoring Measure /Species at Risk
Whales – Prey Species	Monitoring Measure
Seals	Monitoring Measure
Marine Birds	Monitoring Measure /Species at Risk
Species at Risk - Fish	Species at Risk
Coastal Environment	Monitoring Measure
Water Temperature and Oxygen Concentration	Monitoring Measure
<b>Community Well-being</b>	
Whale watching	Monitoring Measure
Commercial fisheries	Monitoring Measure
Recreational fisheries	Monitoring Measure
Recreational boating	Additional Valued Component

# Marine Park



Stressors	Stressor – Potential to Increase in 10 Years	Ability to Limit the Stressor at the Park Level
Climate Change	Known	Low
Toxic Algal Bloom	Likely	Low
Commercial Shipping	Known	Medium
Commercial Fishing	Not Likely	High
Whale Watching	Very Unlikely	Very High



Stressors	Valued Components					
	Whales	Whale Prey	Whale Watching	Commercial Fisheries	Recreational Fisheries	Recreational Boating
	SUSTAINABLE & COMMUNITIES					
Climate Change	X	X		X		
Toxic Algae	X	X		X	X	
Commercial Shipping	X		X		X	X
Commercial Fisheries	X	X		X	X	
Whale Watching	X		X			X

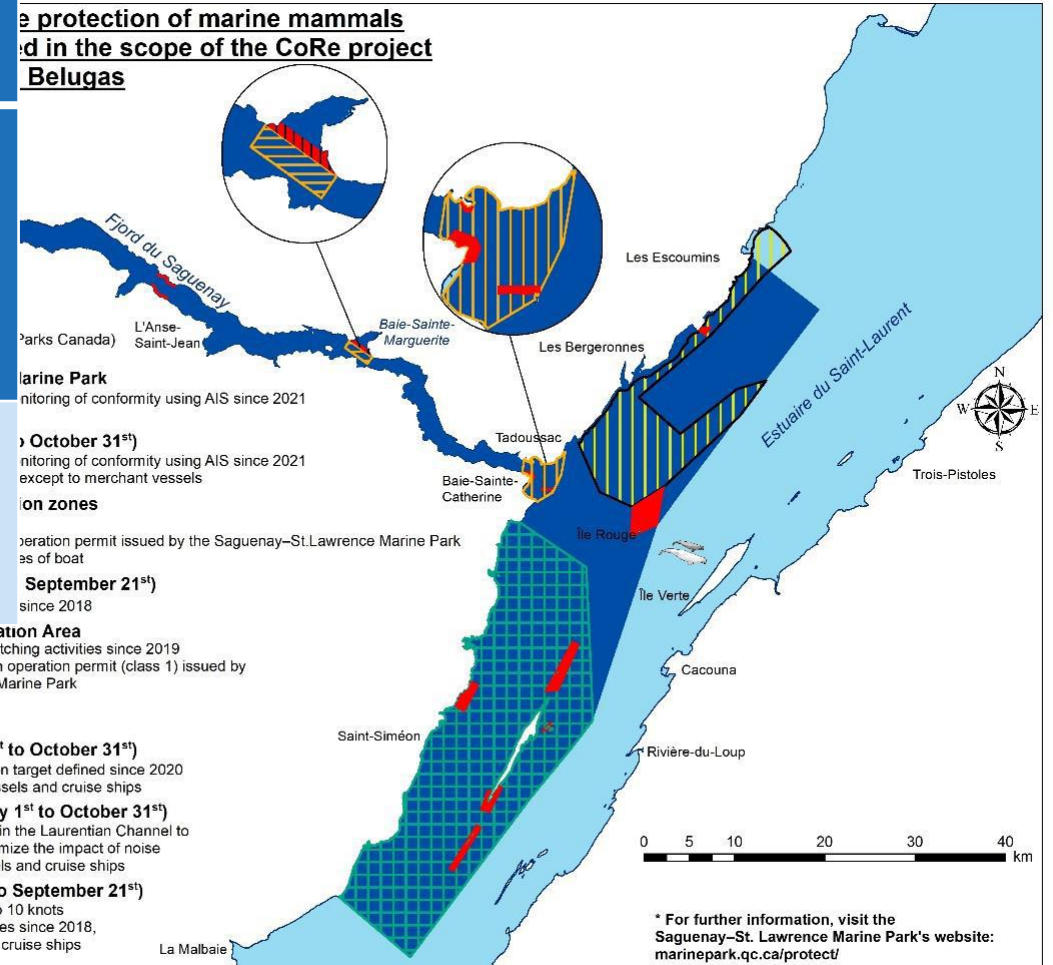


# Whale Watching as Stressor



Stressors	Valued Components		
	Whales	Sustainable Whale Watching	Sustainable Recreational Boating
Whale Watching	X	X	X

## The protection of marine mammals and in the scope of the CoRe project Belugas





# Sustainable Whale Watching as VC



# Let's continue the conversation!

Post questions and comments in the IAIA24 app.



## #iaia24

**Marie-Claude Martel**

*Parks Canada*

*Canada*

marie-claude.martel@pc.gc.ca

<https://parks.canada.ca/>