

# Coastal classification mapping in New Brunswick

Dominique Bérubé

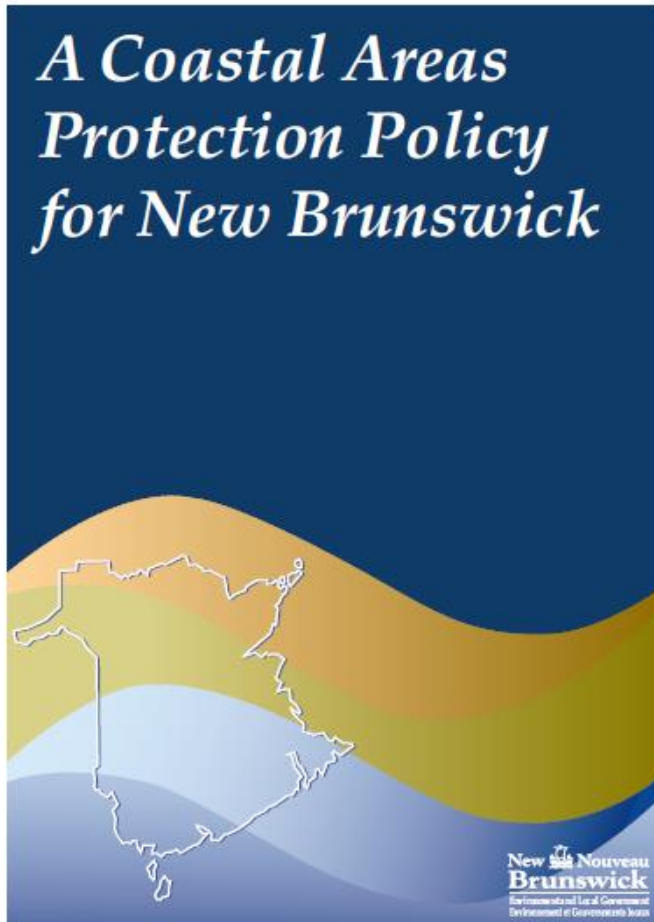
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# Policies dealing with conservation of coastal habitats in New Brunswick

## *A Coastal Areas Protection Policy for New Brunswick*



2002

New  Nouveau  
**Brunswick**

## **NEW BRUNSWICK WETLANDS CONSERVATION POLICY**

## **POLITIQUE DE CONSERVATION DES TERRES HUMIDES DU NOUVEAU-BRUNSWICK**

Natural Resources  
and Energy

Ressources naturelles  
et Énergie

Environment and  
Local Government

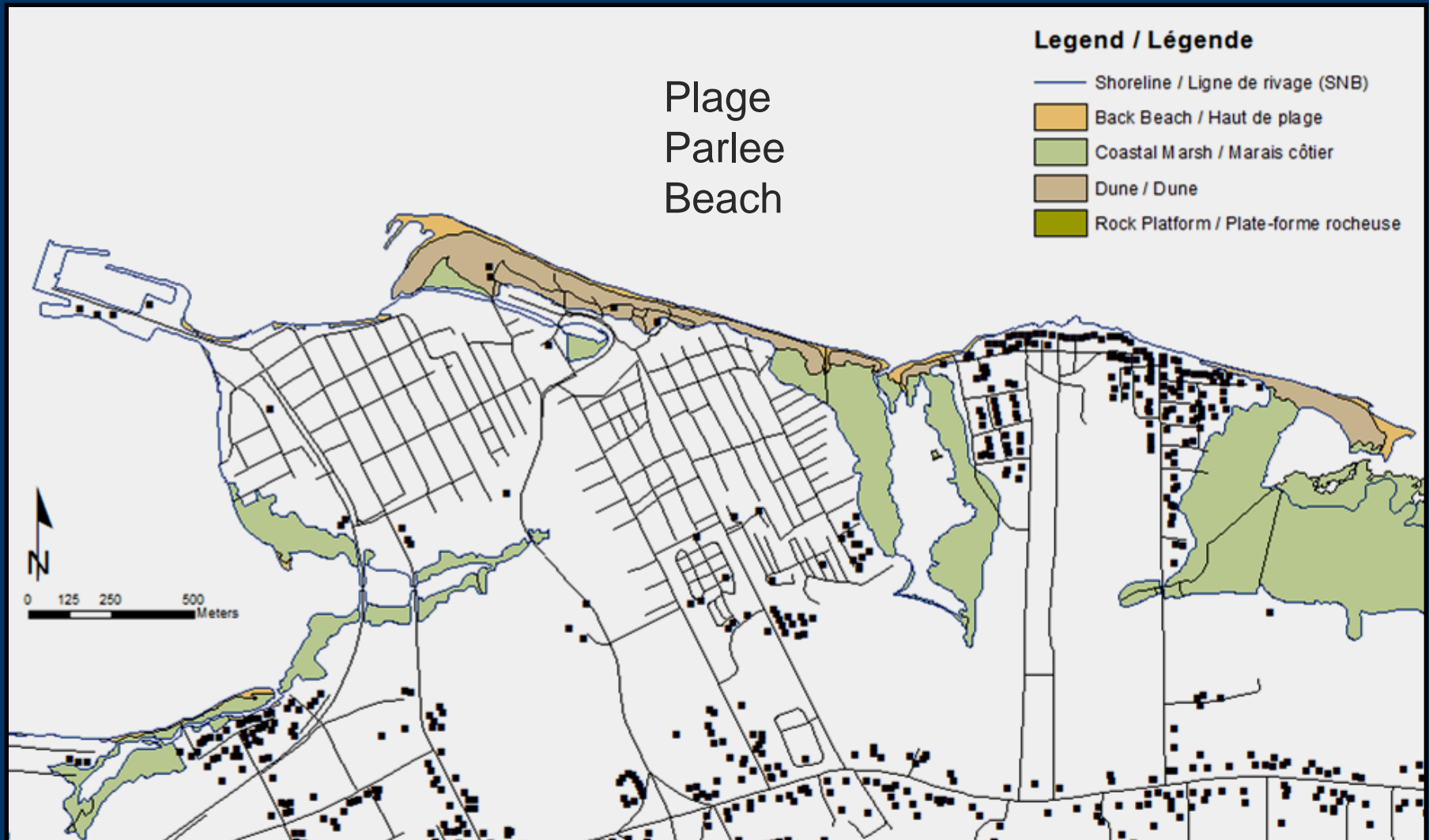
Environnement et  
Gouvernements locaux

July / Juillet

2002

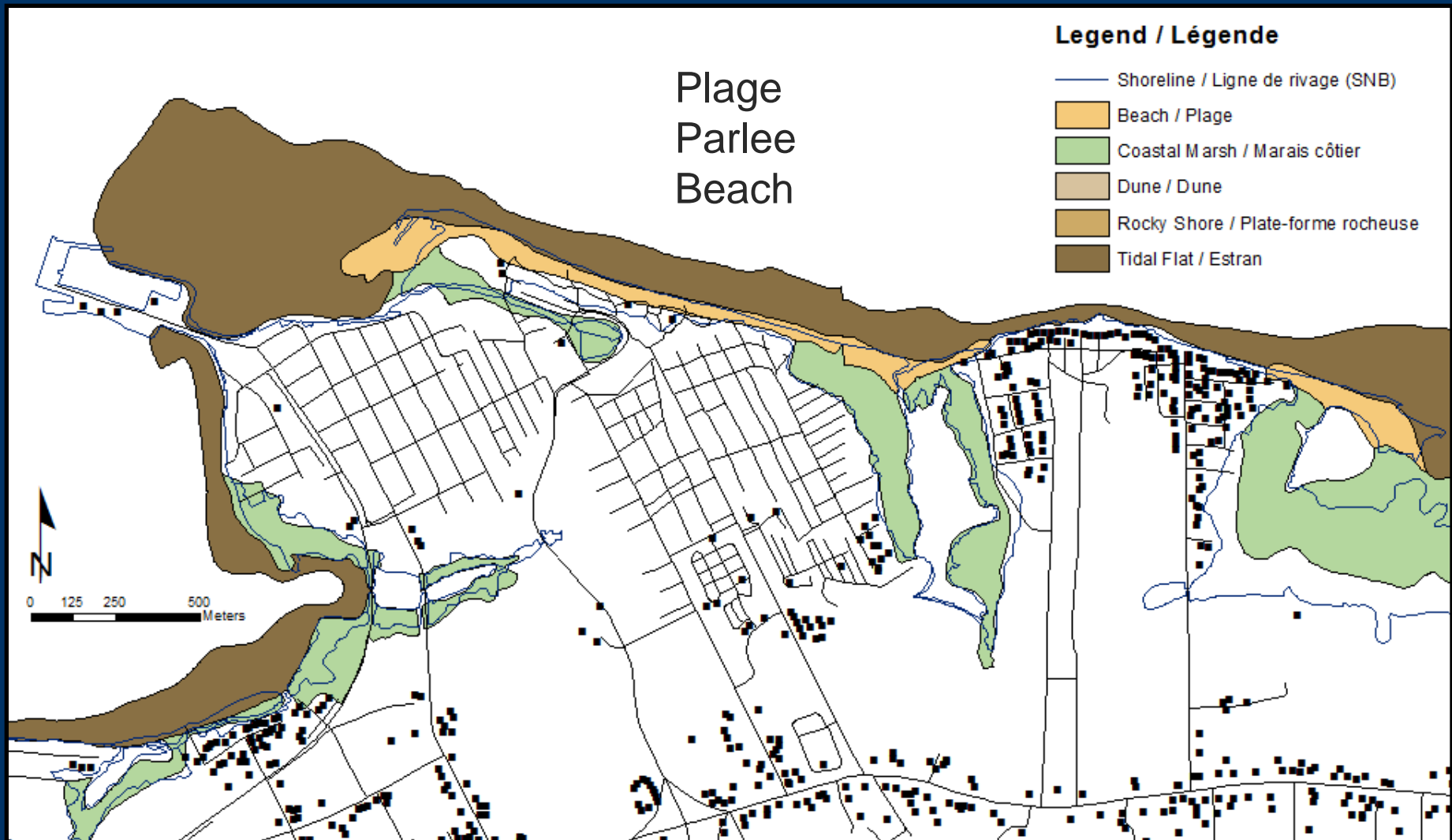
# Coastal features/habitats (Caris GIS, Arc GIS):

(++) dunes, marshes; (+) beaches; (-) cliffs, mud or sand flats

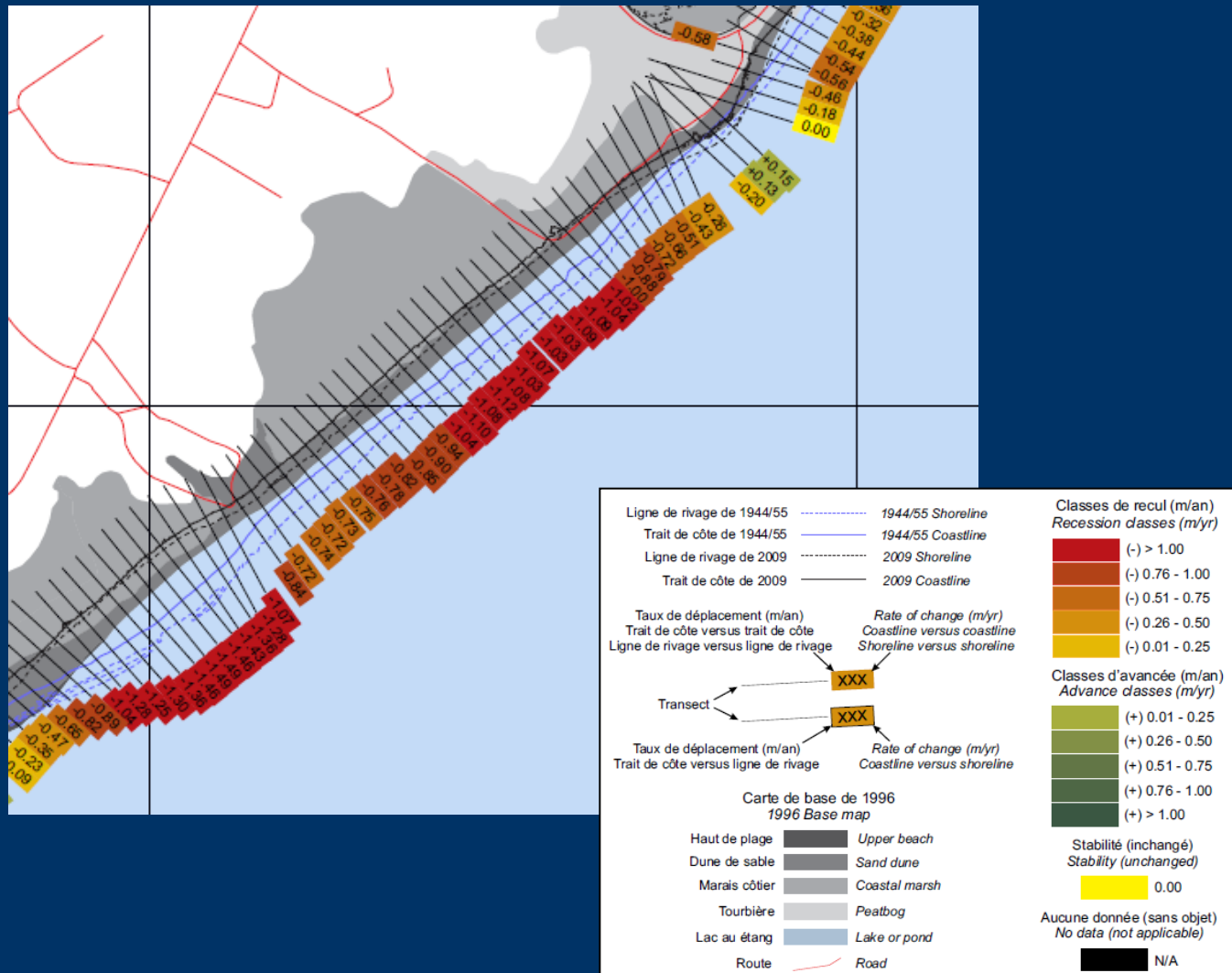


# Wetlands/habitats (Arc GIS):

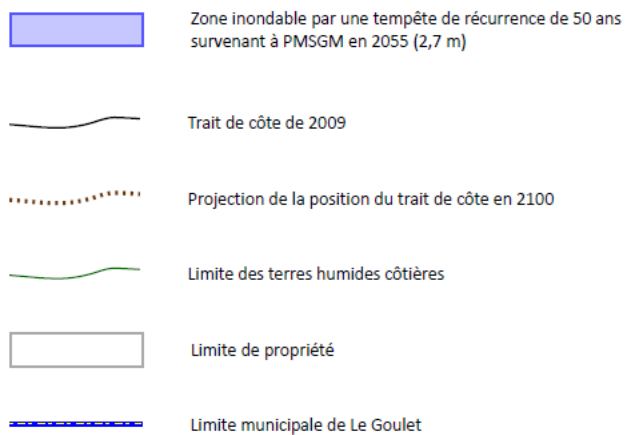
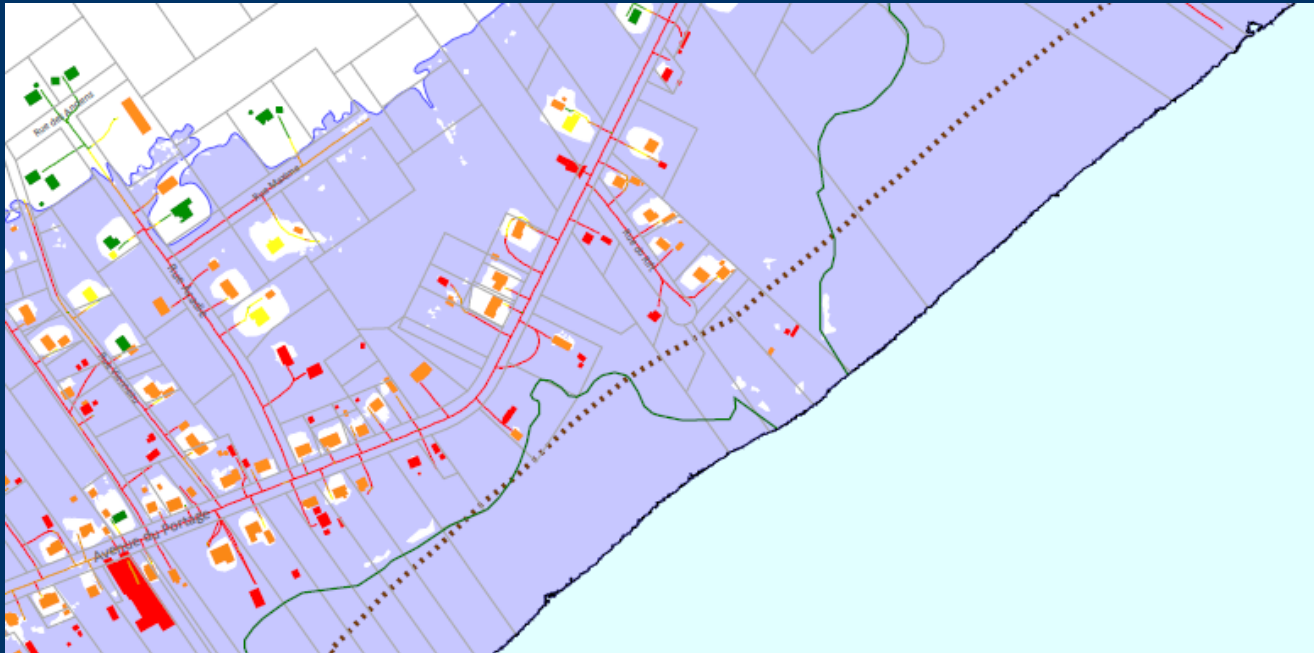
(++) marshes, mud or sand flats; (+) beaches, dunes; (-) cliffs



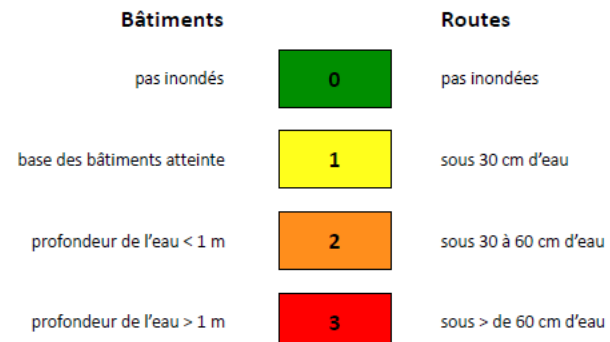
# RAC and/or ETF coastal risks mapping projects (ex: LeGoulet, east of Shippagan)



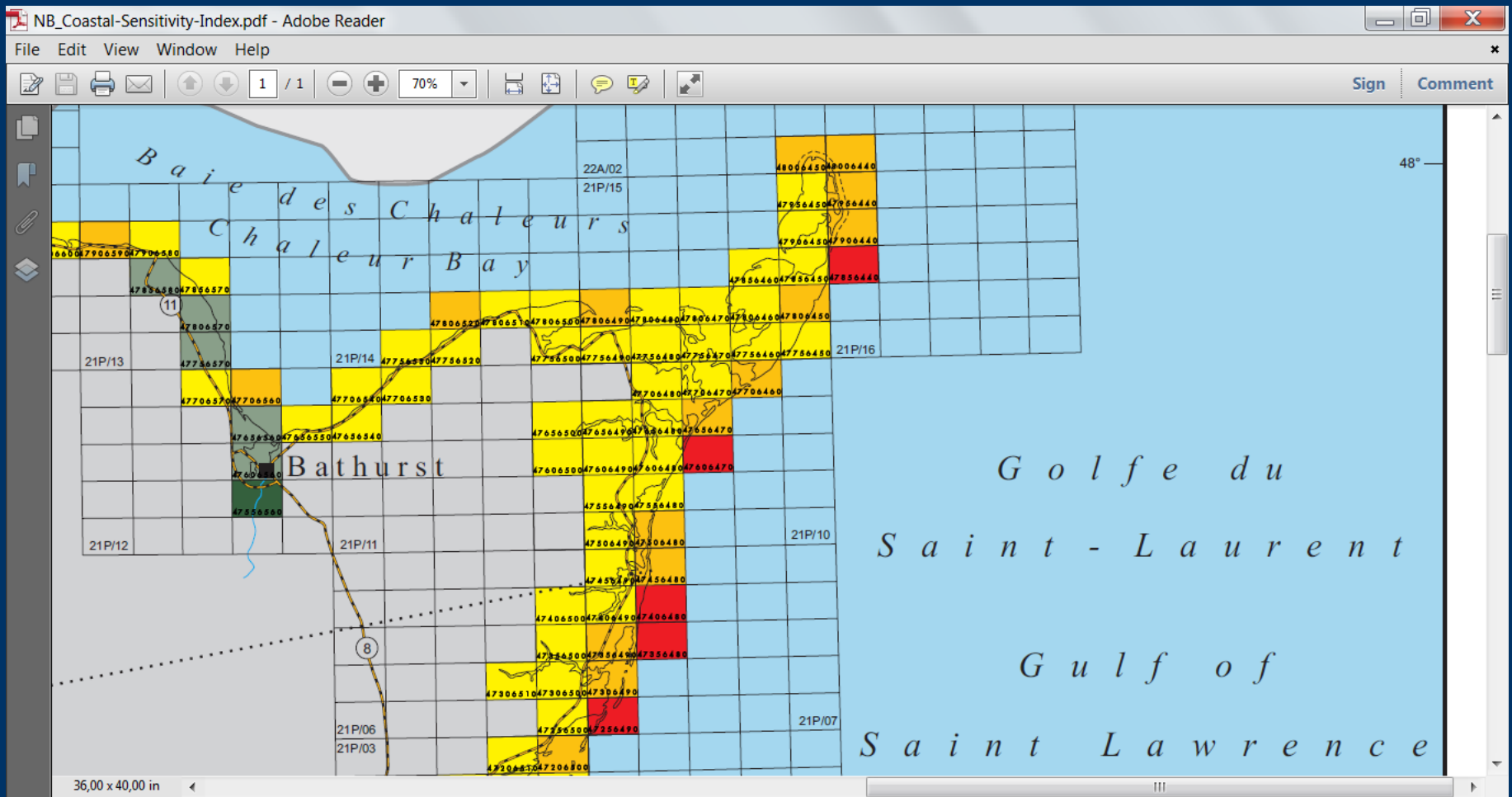
# RAC and/or ETF coastal risks mapping projects (ex: LeGoulet, east of Shippagan)



## Risque d'inondation des infrastructures (niveau de la mer à 2,7 m)




# Coastal sensitivity to storms (N-E and S-W winds)



- Height of the coast
- Composition of the coast
- Abundance of protection structures
- Length of storm fetch
- Orientation of shoreline
- Distance of storm breakers

http://www2.gnb.ca/content/dam/gnb/Departments/env/pdf/ETFAwards.pdf

Fichier Edit Atteindre Favoris ?



**Environmental Trust Fund  
Awards List  
2014-2015**

- Natural Areas

72.	Provincial Coastal Vulnerability Index for the Littoral	15,000
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The Université de Moncton will create an index for the coast of New Brunswick that will show the areas most vulnerable to erosion and flooding.

**Dr. Serge Jolicoeur**  
University of Moncton, Department of geography  
(assistant: Michaël St-Pierre)



<b>Data availability (scale and quality)</b>	<b>Chaleurs (North)</b>	<b>Gulf (N-E)</b>	<b>Northum. (S-E)</b>	<b>Fundy (South)</b>
Bedrock geology (GIS)	1:20K √√√	1:50K √√	1:50K √√	1:20K √√√
Surficial geology (GIS)	1:20K √√√	1:50K √√	1:50K √√	1:20K √√√
Coastal geomorphology (hard copies)	1:12K √√	1:12K √√	1:10K √√√√	1:20K √√√√
Coastal Habitats (GIS)	1:10K √√	1:10K √√	1:10K √√	1:10K √√
Erosion rates (GIS)	1:10K √√	1:10K √√	1:10K √√√√	1:10K √
Flood risk (GIS)	1:10K √√	1:10K √√	1:10K √√√√	1:10K √√
Nearshore bathymetry (hard copies)	1:50K √	1:50K √	1:50K √	1:50K √
Protection structures (GIS)	1:10K √	1:10K √	1:10K √√	1:10K √

# Thank you! Questions?

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