

Coastal classification mapping in New Brunswick

Dominique Bérubé

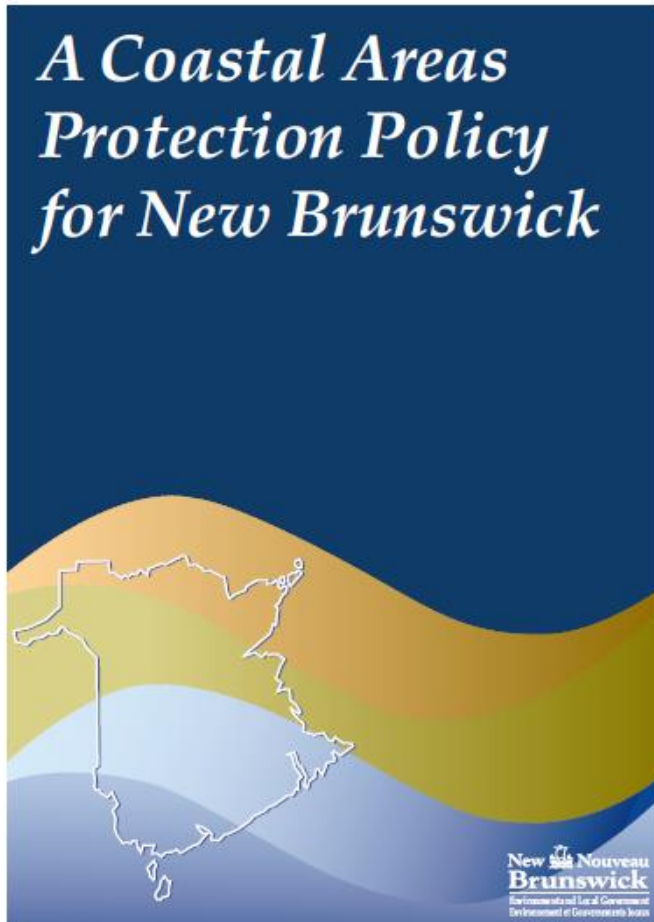
Coastal geomorphologist (P.Ge.)

New Brunswick Department of Energy and Mines
Geological Surveys Branch, Bathurst Office



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

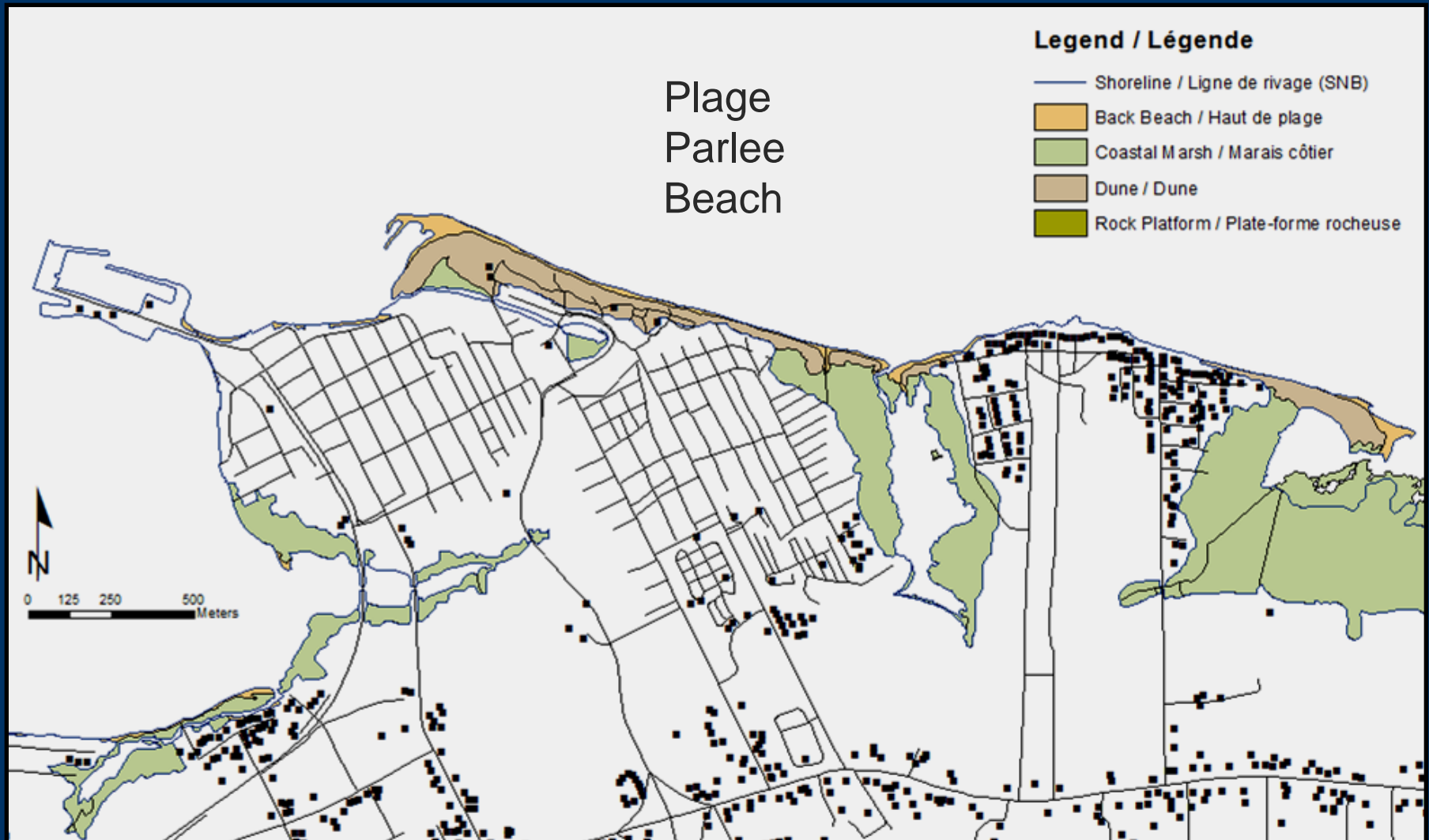
Environment and
Local Government

Environnement et
Gouvernements locaux

July / Juillet

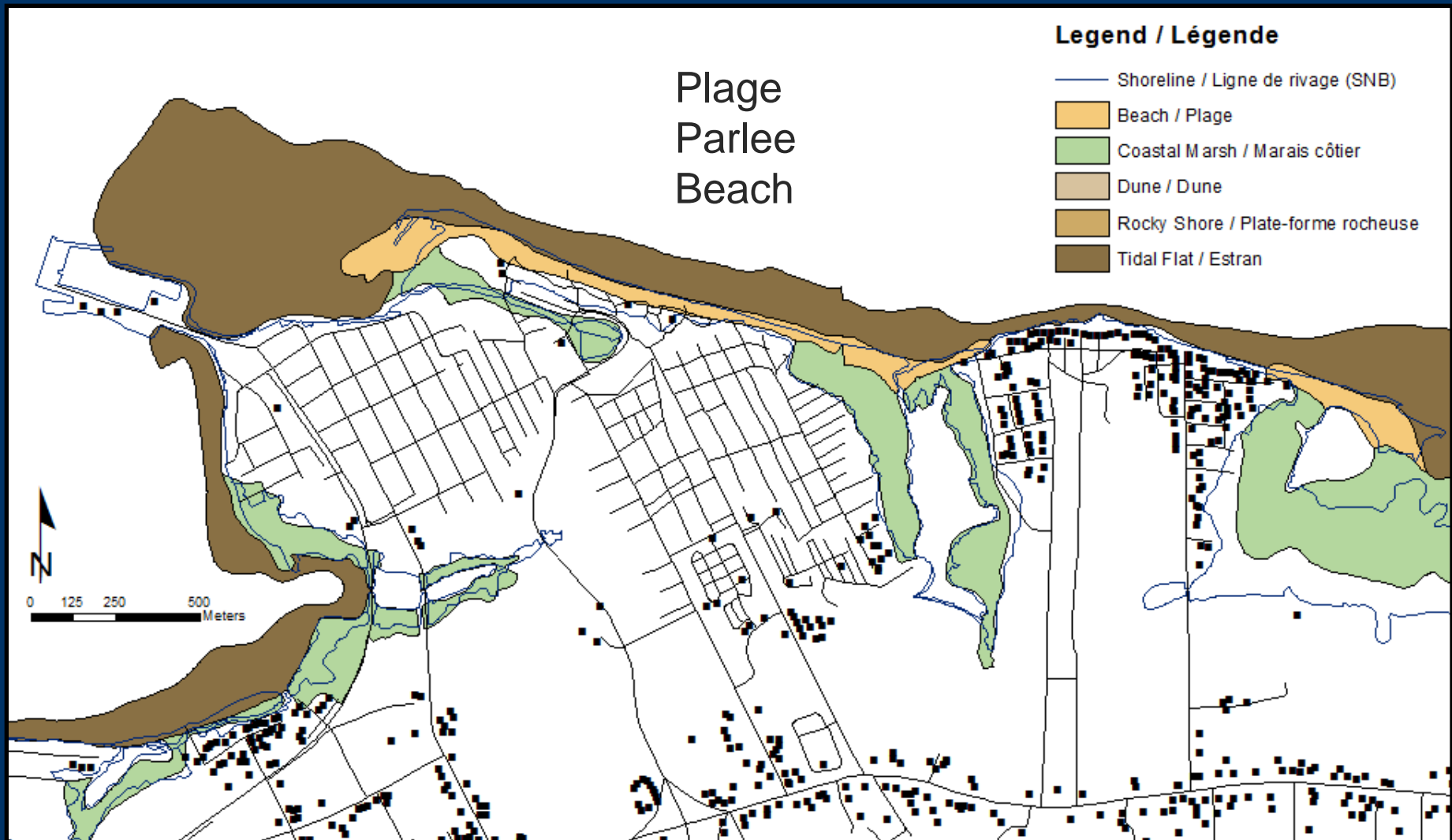
2002

Coastal features/habitats (Caris GIS, Arc GIS): (++) dunes, marshes; (+) beaches; (-) cliffs, mud or sand flats

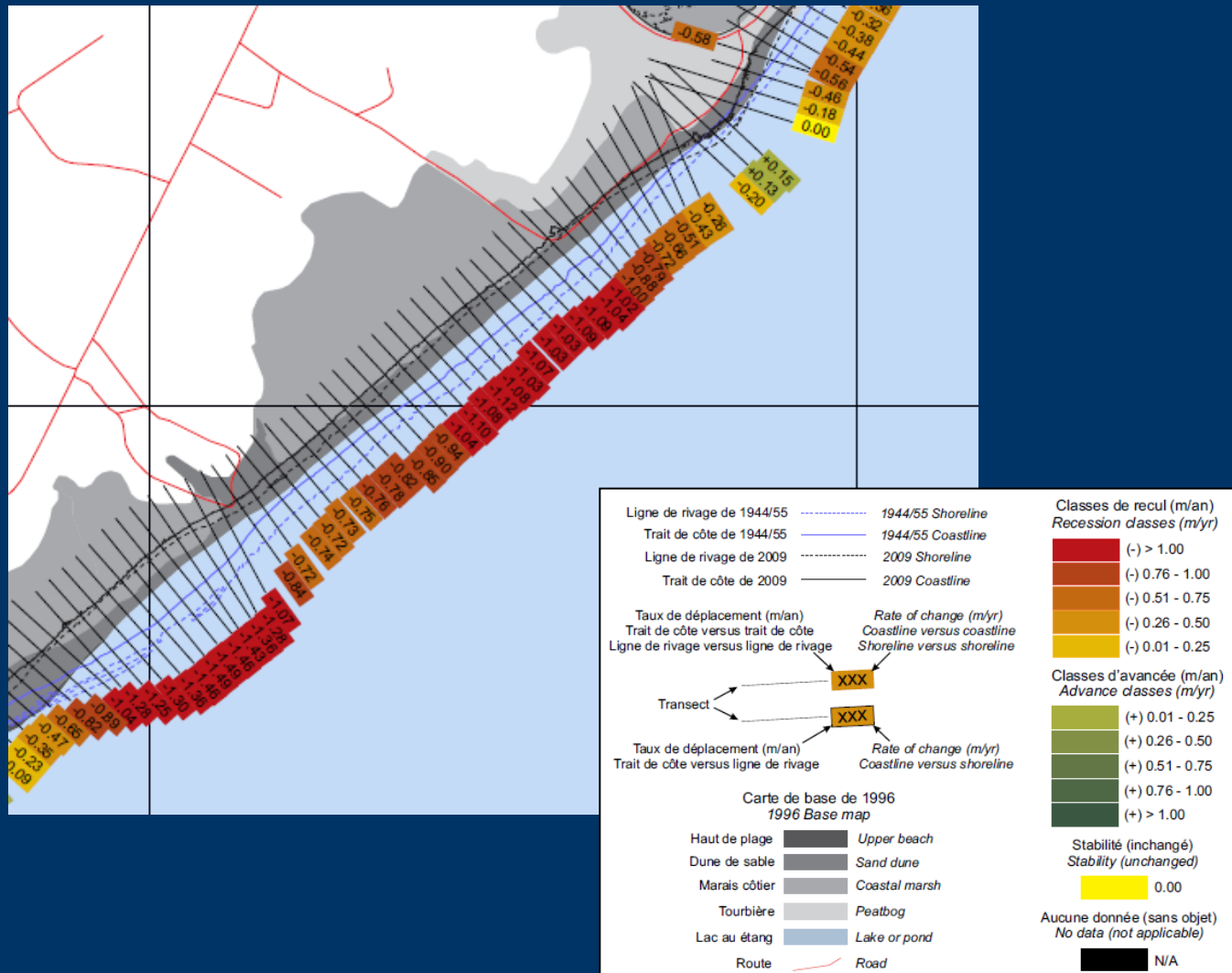


Wetlands/habitats (Arc GIS):

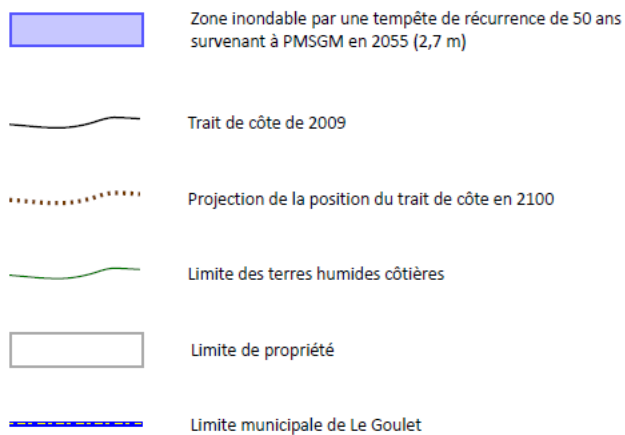
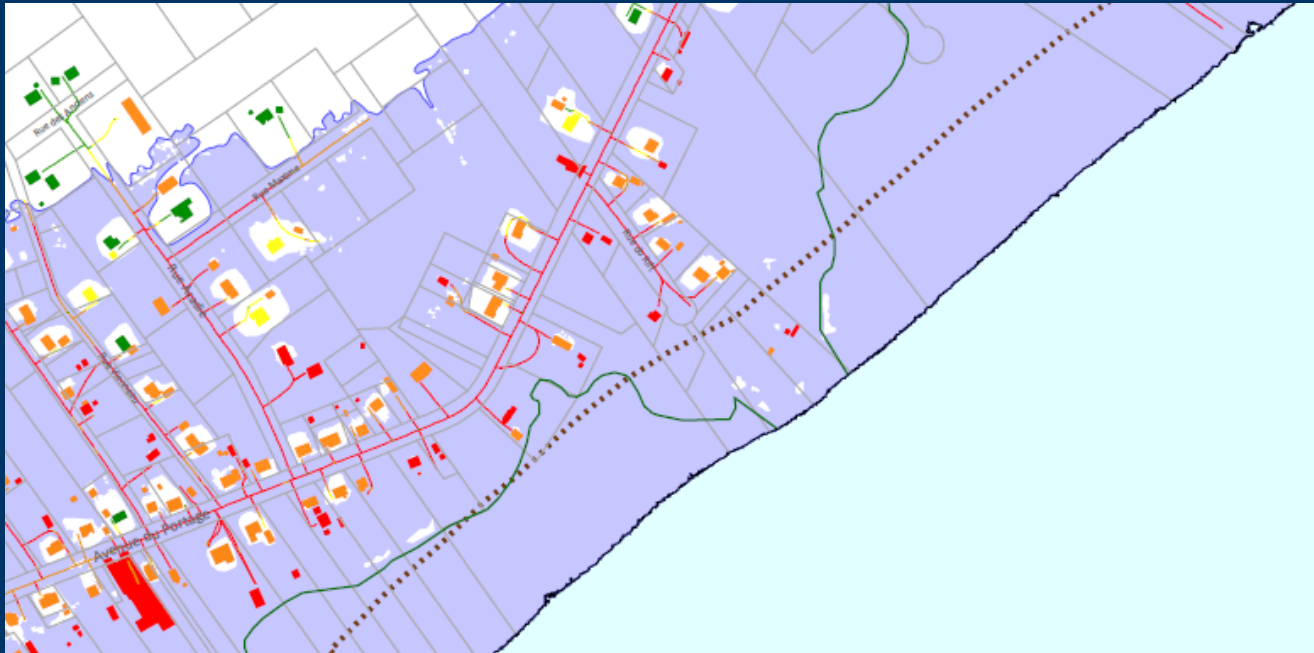
(++) marshes, mud or sand flats; (+) beaches, dunes; (-) cliffs



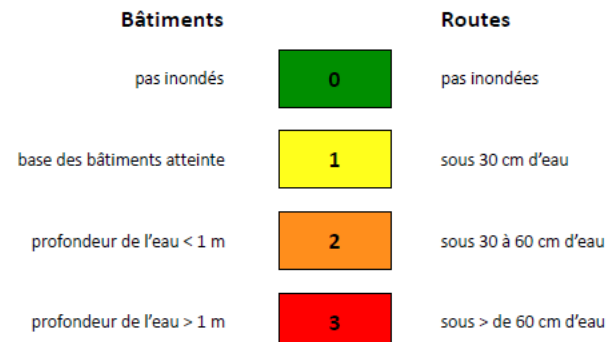
RAC and/or ETF coastal risks mapping projects (ex: LeGoulet, east of Shippagan)



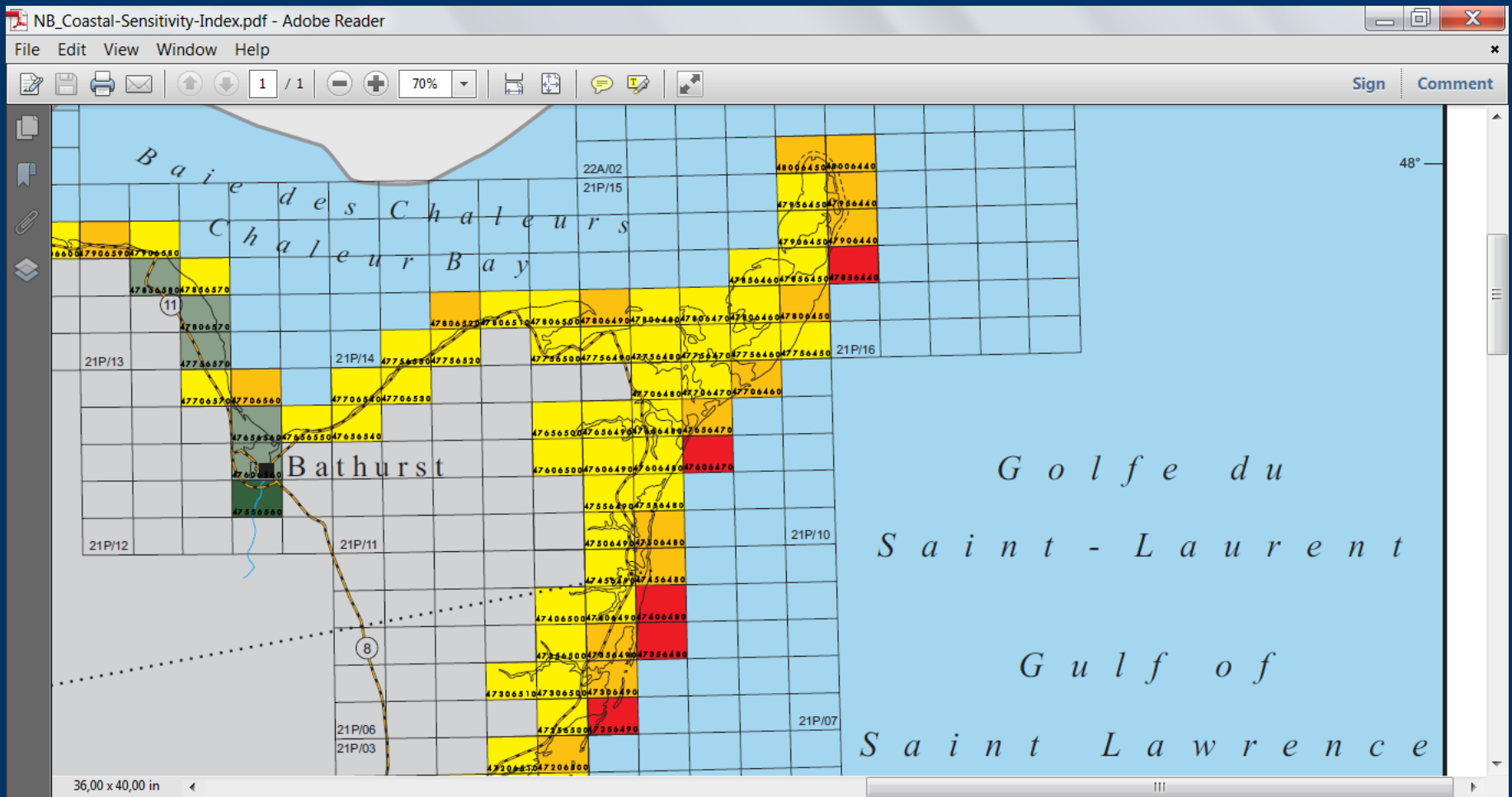
RAC and/or ETF coastal risks mapping projects (ex: LeGoulet, east of Shippagan)



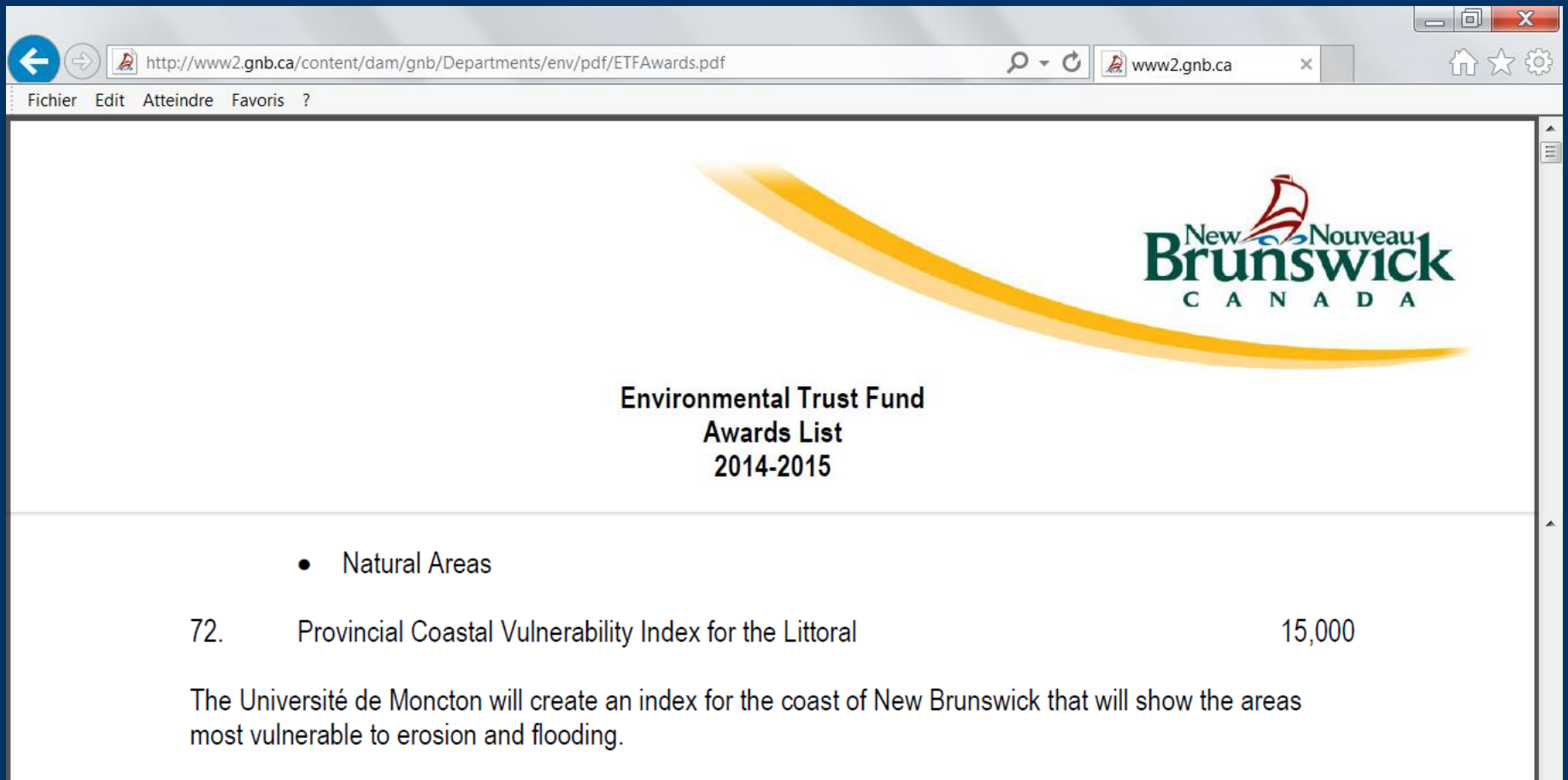
Risque d'inondation des infrastructures (niveau de la mer à 2,7 m)



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)

Data availability (scale and quality)	Chaleurs (North)	Gulf (N-E)	Northum. (S-E)	Fundy (South)
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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