

Habitat Conservation Strategies: A Tool for Planning

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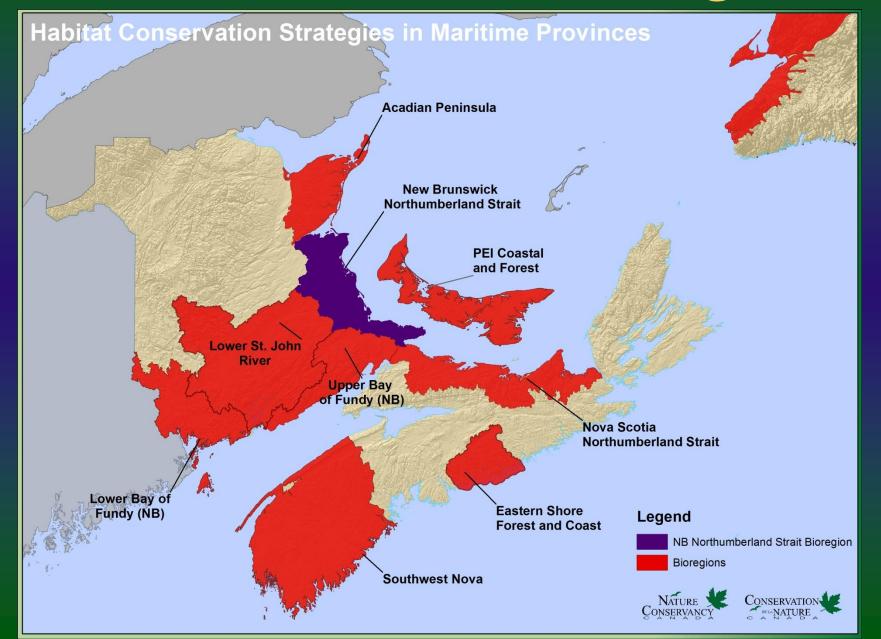
What are Habitat Conservation Strategies?

- Developed in collaboration with partners and collaborators of the Eastern Habitat Joint Venture (EHJV)
- In response to a need to :
 - better coordinate and inform actions of regional conservation organizations
 - highlight opportunities for collaborative conservation actions
 - identify on-the-ground action gaps

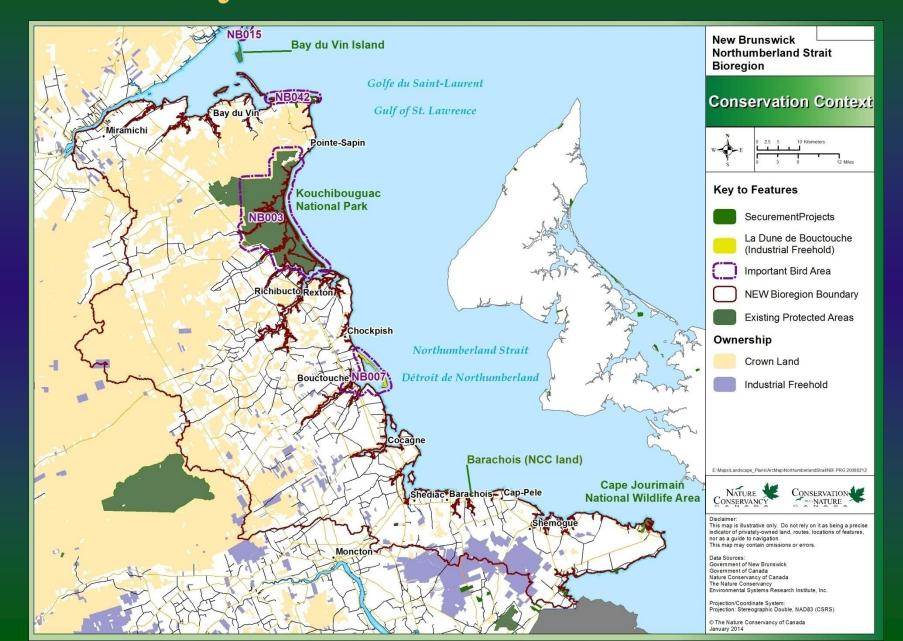
What are Habitat Conservation Strategies?

- Identifies and assesses the current state of species and ecosystems of conservation priority
- Identifies and assesses issues/problems facing ecosystems and significant species in bioregion
- Identifies conservation and stewardship actions of organizations – lead to enhanced partnerships, reduced redundancies, and facilitate decisionmaking

Habitat Conservation Strategies



Boundary and Conservation Context



Assessment of Ecosystems

Sections - Major Ecosystems

- Consult with partners/experts on species and ecosystems that require conservation in Bioregion
- Assess their viability/ecological integrity
 - Landscape Context (landscape surrounding ecosystem)
 - Condition (characteristic species, age class structure, invasive sp.)
 - Size (population size, patch size)

Landscape Context + Condition + Size = Viability Rank

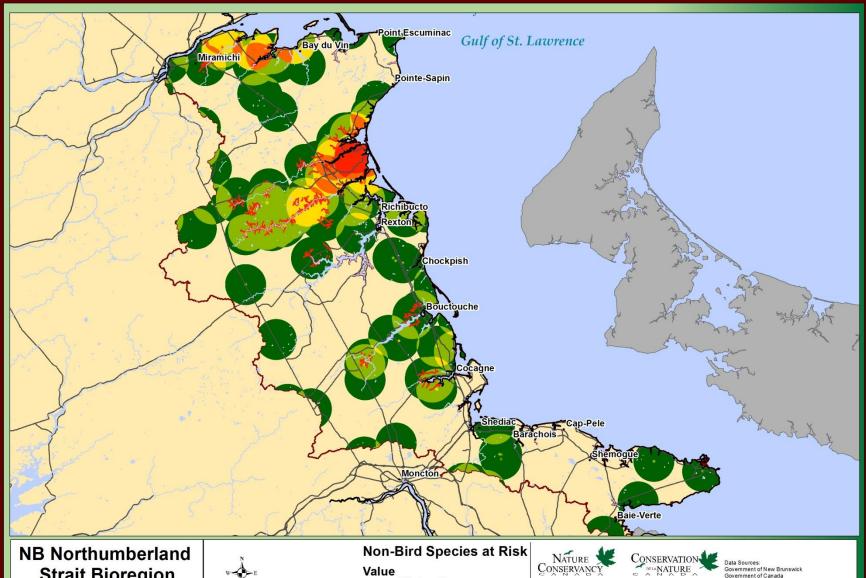
Summary of Significant Species

- Species at Risk (federal and provincial)
- Bird Conservation Region priority species (colonial, migratory etc.)
- Rare species (less than 20 populations found in the province)
- Endemic/significant species (unique to this bioregion)



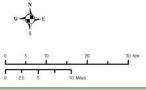






Strait Bioregion

Non-Bird Species at Risk



High: 1

Low: 0



DELANATURE

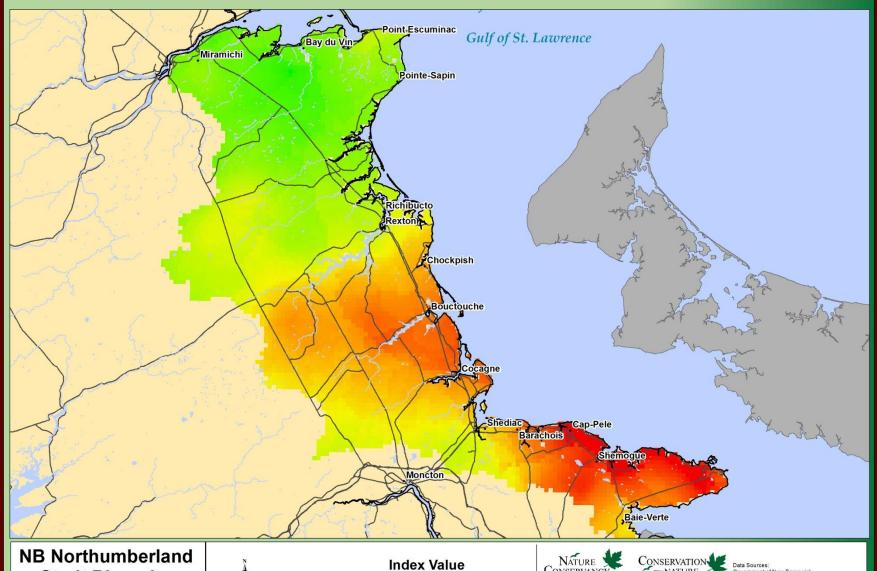
Disclaimer: This map is illustrative only. Do not rely on it as being a precise indicator of privately-owned land, routes, locations of features,

to navigation.
This map may contain

Data Sources: Government of New Brunswick Government of Canada Nature Conservancy of Canada The Nature Conservancy Environmental Systems Research Institute, Inc.

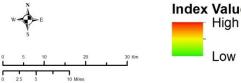
Projection: Stereographic Double, NAD83 (CSRS)

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Strait Bioregion

Relative Bird Abundance





omissions or errors.

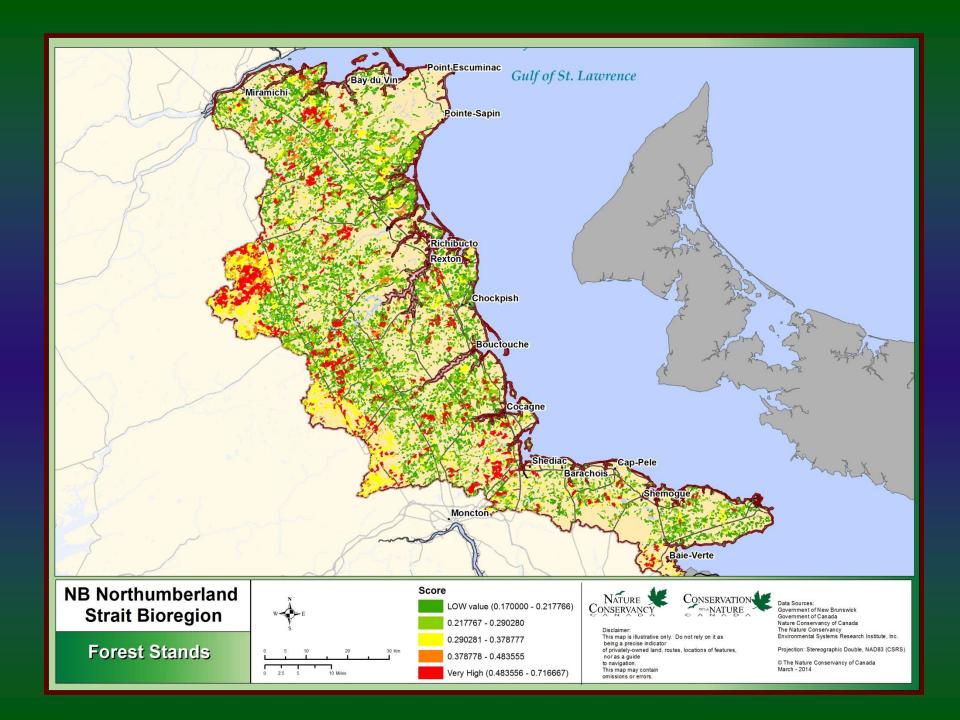
CONSERVATION

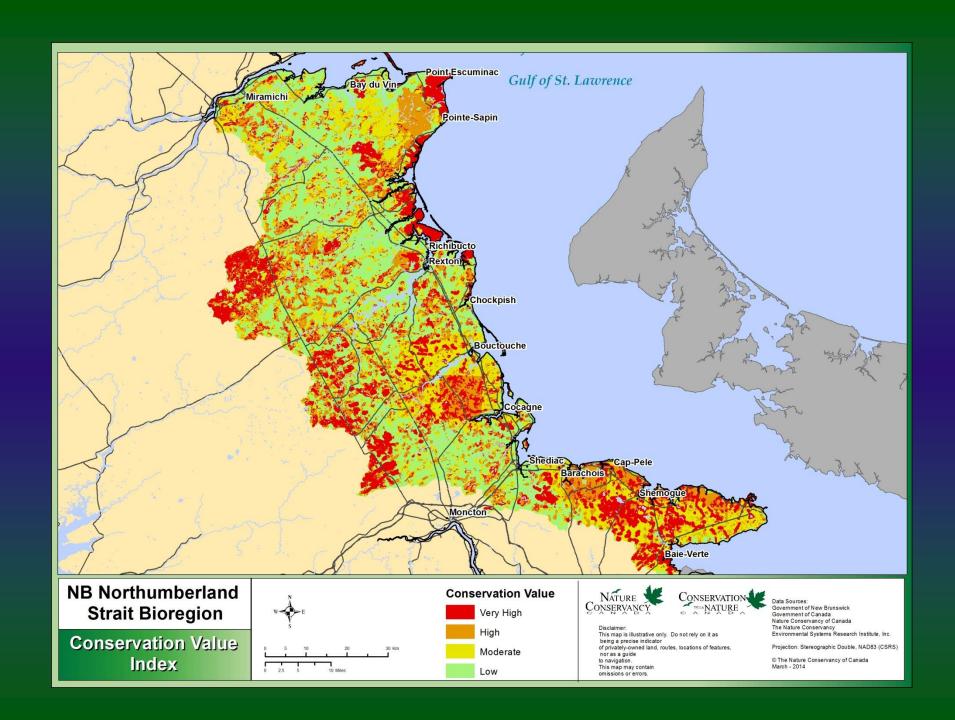
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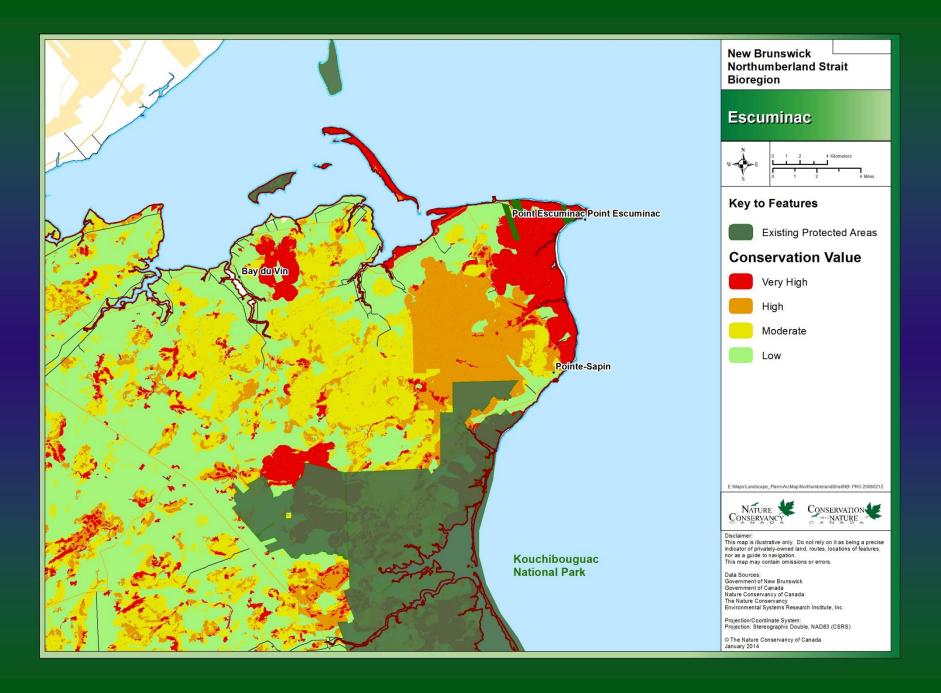
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Assessment of Conservation Concerns

Sections of HCS

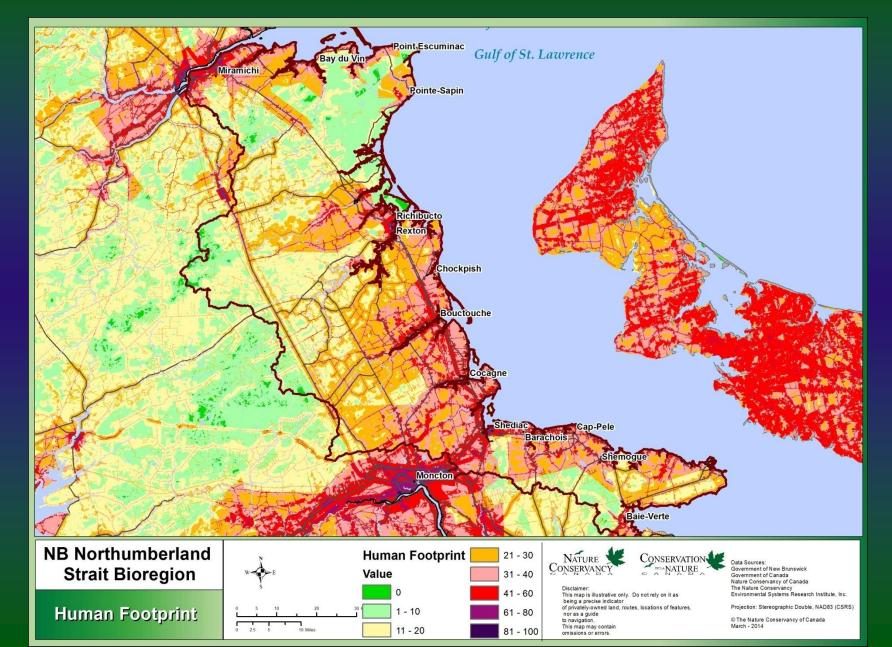
- THREATS
 - Assess magnitude of threats
 - Severity
 - Scope
 - Irreversibility
- Ranks
 - Very High: The threat is likely to destroy or eliminate the biodiversity target
 - High: The threat is likely to seriously degrade the biodiversity target
 - Medium: The threat is likely to moderately degrade the biodiversity target
 - Low: The threat is likely to only slightly impair the biodiversity target

Assessment of Conservation Concerns

IUCN Classification of Threats

- 1. Residential and Commercial Development
- 2. Agriculture and Aquaculture
- 3. Energy Production and Mining
- 4. Transportation and Service Corridors
- 5. Biological Resource Use
- 6. Human Intrusions and Disturbance
- 7. Natural System Modifications
- 8. Invasive and Other Problematic Species and Genes
- 9. Pollution
- 10. Geological Events
- 11. Climate Change & Severe Weather

Conservation Concerns



Habitat Conservation Strategies

Sections – Conservation Actions

- Identify conservation actions in different categories by ecosystem type and by organization
 - 1. Securement Land/Water Protection

NCC\NTNB

- e.g. Secure 450 acres priority native/natural lands by 2017 of which at least 400 acres are very high/high priority (NCC/NTNB)
- 2. Stewardship Land/Water Management
- 3. Stewardship Species Management
- 4. Communications, Education & Awareness

What can HCSs be used for?

Possibilities

- Landuse planning identify highly valuable conservation land (e.g. Protected area planning/ avoid certain areas for resource extraction)
- Strategic securement for land trust organizations
- Coordinate activities among organizations with similar mandates
- Identifying information/knowledge gaps coordinate filling these gaps
- Strategy for climate change effects on ecosystems and infrastructure

Questions?

