

MONTREAL'S URBAN AGGLOMERATION LAND USE AND DEVELOPMENT PLAN



Al Hayek

Nov. 18, 2014

2.3 Mettre en Valeur les Territoires d'intérêt Le Patrimoine

Recommendations: Include objectives in urban plan
to preserve what is left of our natural patrimony



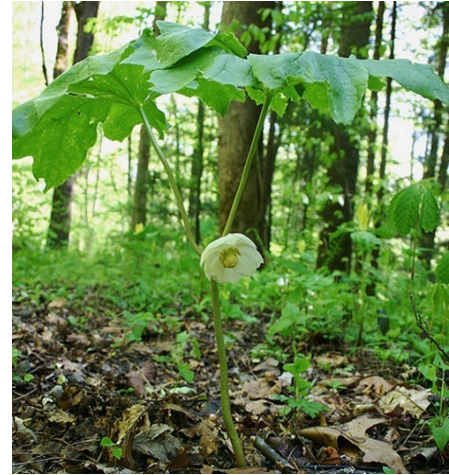
2010 - Nagoya, Japan (COP10 Brief, p.12)

Montreal's commitment: by
2020 the “extinction of known
threatened species (would be)
prevented and those in most
decline, (would be) improved
and sustained”.

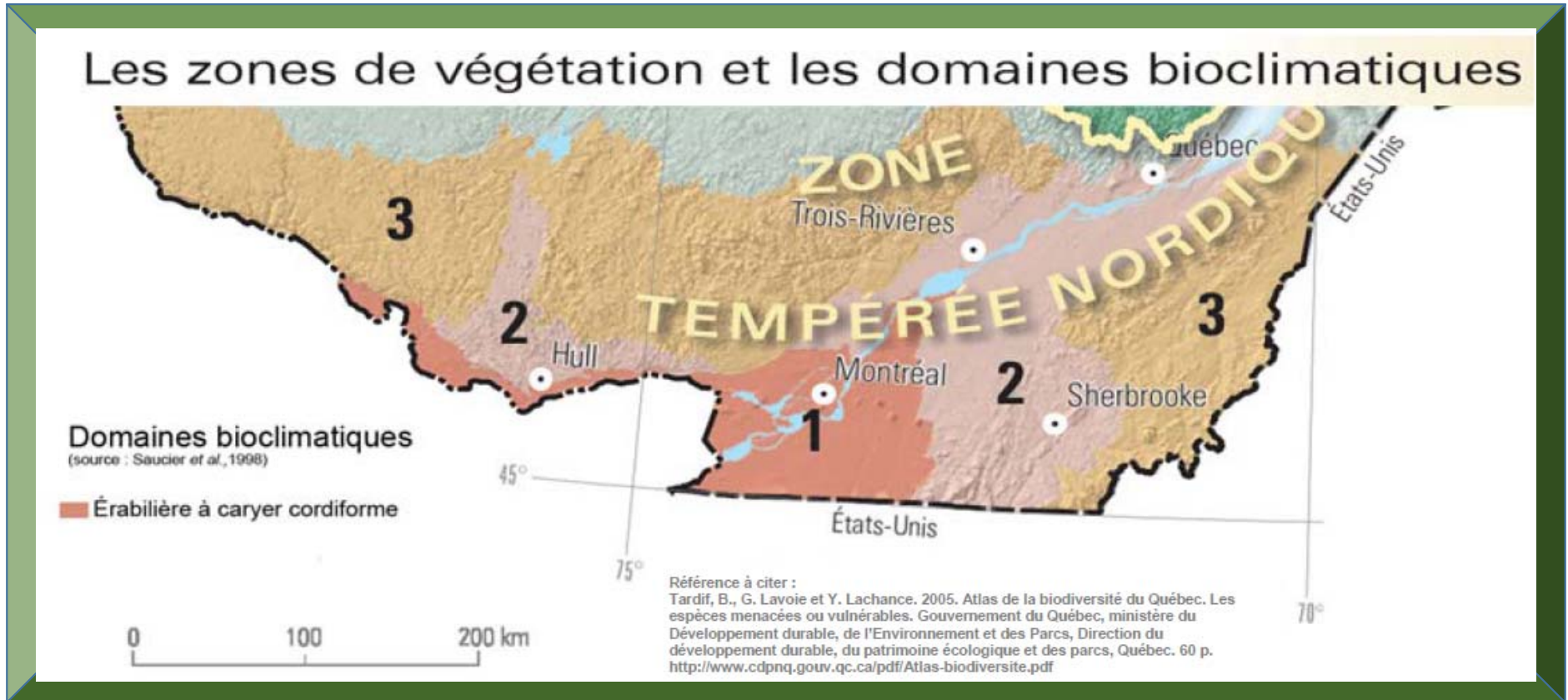
2.3 Mettre en Valeur les Territoires d'intérêt Le Patrimoine

Bioclimatic region, southern Quebec (Montreal)

**MANY species in
serious/severe decline
(loss of habitat)**



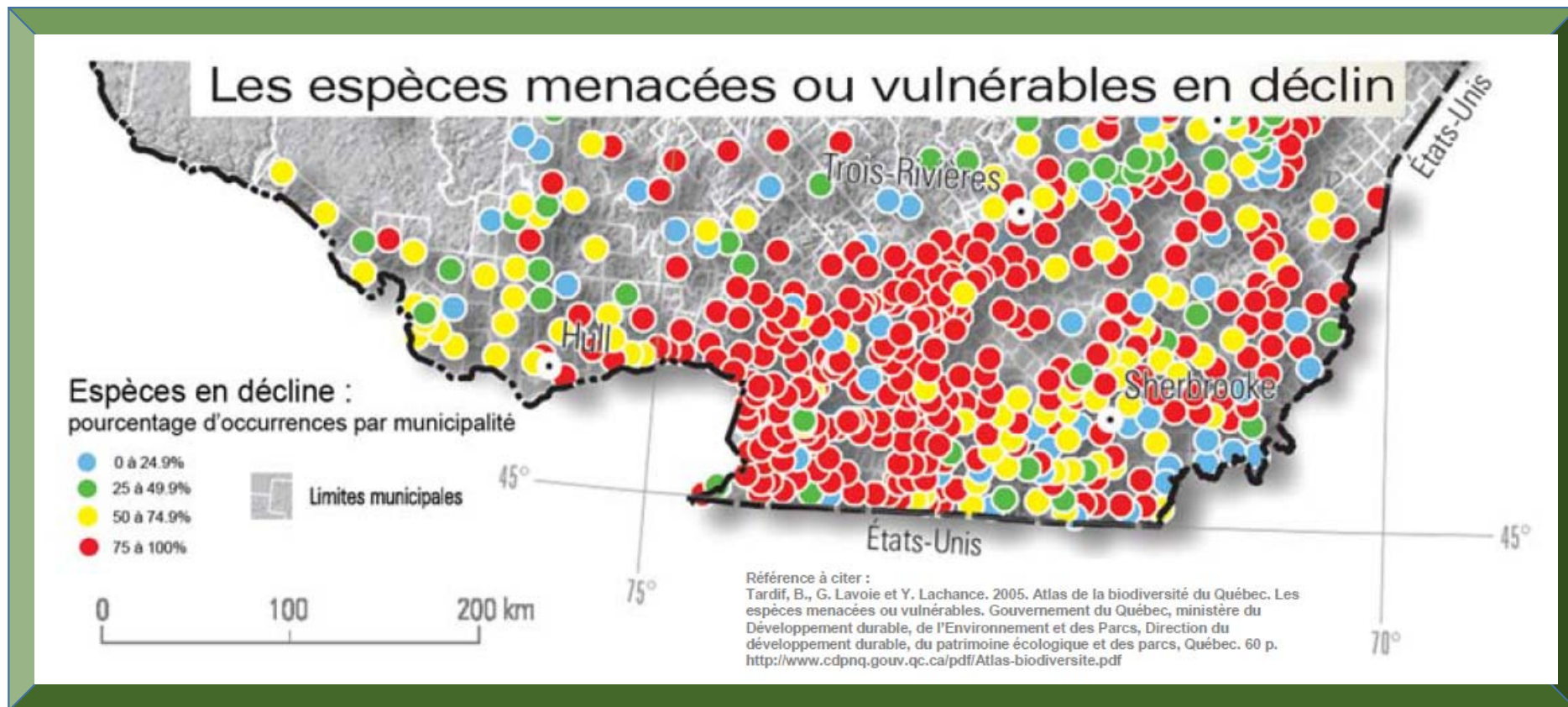
Bioclimatic Region of Montreal



Cartes provenant de l'Atlas de la biodiversité du Québec
(Tardif, Lavoie et Lachance, 2005)



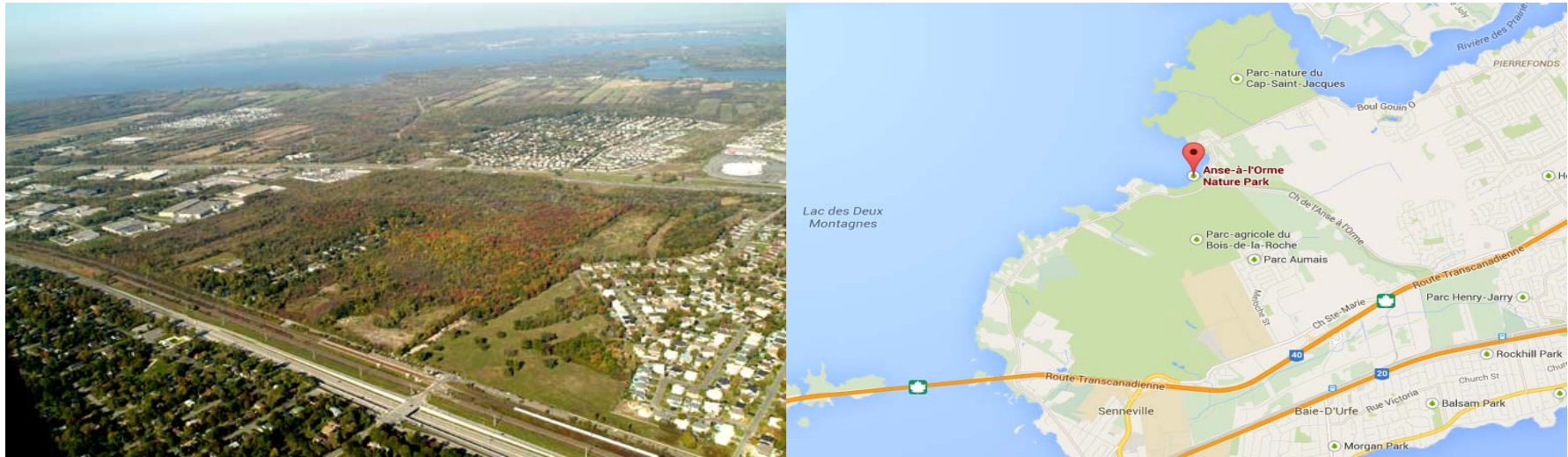
Map of Threatened Species



**Cartes provenant de l'Atlas de la biodiversité du Québec
(Tardif, Lavoie et Lachance, 2005)**

2.3 Mettre en Valeur les Territoires d'intérêt Le Patrimoine

Recommendations: **Preserve the fields to the east of l'Anse-à-l'Orme.**



“Les friches naturelles ...en attente de developpement dans l'ouest de l'ile.... Les friches sont des habitats essentiels a plusieurs especes.”

(Draft Urban Plan, p. 77)

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2010 - Nagoya, Japan (COP10 Brief, p.12)

**Montreal's commitment: by
2020 "at least 17% of
terrestrial and inland
water...[would be]
conserved.."**

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Montreal: at the bottom of the list
for Canadian and N. A. cities
in percentage of natural spaces
preserved

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City of Montreal Survey (2002)

80% people: *It is extremely important to conserve our natural milieu*



66% people: *Not enough is being preserved.*



2.3 Mettre en Valeur les Territoires d'intérêt Les Territoires d'intérêt Écologique

Recommendations: **Enlarge l'Anse-à-l'Orme park**



proposed in 2006

- proximity to 4 million people
- park size necessary for ecosystems requiring large areas to thrive

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Recommendations: Raise the objective of preservation of natural spaces beyond 8%.

Persons living in proximity to natural spaces (Brief, pp. 14-26) have **better mental and physical health**, affected less often by strokes and heart disease, **less risk of fatal diseases**.



Natural spaces **ignite our children's curiosity to learn**, improves their capacity to focus, enhances their cognitive abilities. (Brief, p.27)



2.3 Mettre en Valeur les Territoires d'intérêt Les Territoires d'intérêt Écologique

Recommendations: **Preserve small areas of natural spaces throughout the Island.**



“Even small parks in the heart of our cities can protect us from strokes and heart disease, perhaps by cutting stress or boosting exercise.”

Dr. Terry Hartig, Professor of Environmental Psychology, Uppsala University, Sweden, “Green Spaces Reduce Health Gap” (Brief, p. 14)

Many citizens do not have the means to leave the city to benefit from natural spaces.

2.3 Mettre en Valeur les Territoires d'intérêt

Les Territoires d'intérêt Écologique

Recommendation: Preserve the entire 57 hectares of Meadowbrook and make it an Urban Nature Park.



Could provide **natural space** for residential developments on the vast areas to the west of Meadowbrook, in Lachine, being cleared of their industrial past. **Parks help narrow health gap between rich, poor**, studies show. (Brief, p. 20)

2.3 Mettre en Valeur les Territoires d'intérêt Les Territoires d'intérêt Écologique

Natural Space Investment

by the Agglomeration					by Quebec Govt.			
YEARS	\$ spent (millions)	No. of years	Avg. \$ /yr. (millions)	\$/Capita per YEAR	\$ spent (millions)	No. of years	Avg. \$ / yr. (millions \$)	\$/Capita per YEAR
1979-1992	\$153.0	13.0	\$11.8	\$6.2	\$12.5	13.0	\$1.0	\$0.5
1992-2002	\$0.0	10.0	\$0.0	\$0.0		10.0	\$0.0	\$0.0
2002-2014	\$36.6	12.0	\$4.1	\$2.1	\$2.6	12.0	\$0.3	\$0.2
1979-2014	\$189.6	35.0	\$5.9	\$3.1	\$15.1	35.0	\$0.5	\$0.2

3.1 Les Sites Contamines

Remediation of Brownfields



- **Up to 10% of the Island are brownfields.***

- **In 2010 in Nagoya, Montreal committed itself that “By 2020,...restoration of at least 15 per cent of degraded ecosystems, (Brief, p. 12)**

* Montreal City Contract, 2003-2007, January 29, 2003, p. 40, “Montreal currently contains an estimated 4800 hectares of contaminated land.”
“...Between 1999 and 2002, fully 170 hectares of land were decontaminated...”

3.1 Les Sites Contamines

Remediation of Brownfields

Recommendations:

1. Re-new the ClimatSol Program



2. Create a distinct municipal program with budget and goals

(Draft Urban Plan, footnote 71, p. 119)



Conclusions

Initiatives ignored or vigourously opposed one day become **our greatest success stories the next**

The use of the bicycle,
bicycle paths, and the Bixi



An objective of an 80%
reduction in solid waste

(Draft Urban Plan, "Residual Materials", p. 119)



Conclusions (cont'd)

Identify FUTURE Montreal Island success stories
in the Urban Plan:

- A trame verte et bleue
- Meadowbrook Urban Nature Park
- A national park on the Island of Montreal
- Preserve small natural areas throughout the Island

THANK YOU



Al Hayek

Citizen
Montreal

Les Territoires d'intérêt Écologique

Recommendations: 17% must remain the target

Reasons:

- We have no idea what Montreal can achieve, 10%, 15% ?
- Re-naturalize space under hydro lines, golf courses, brown fields
- Aim high
- If Montreal is less than 17%, other municipalities will have to exceed 17%
- These are international targets
- We need leadership from the Metropolis, Montreal, on this issue.
- The Mayor of Montreal is also the president of the CMM.

