



# Living Landscape

## *A Biodiversity Action Plan for Greater Sudbury*

December 23, 2009

Stephen Monet, Manager of Environmental Planning Initiatives

# Ecological Risk Assessment



COCs are arsenic, cadmium, cobalt, copper, lead, nickel, and selenium.

## Findings of the Ecological Risk Assessment, Sudbury Soils Study:

- terrestrial plant communities in large areas of Greater Sudbury have been and continue to be impacted by the COCs in soil.
- local plant communities are affected by other factors, such as soil erosion, low nutrient levels, lack of soil organic matter, and soil acidity.



# Ecological Risk Assessment



## Findings of the Ecological Risk Assessment, Sudbury Soils Study:

- COCs are not exerting a direct effect on local wildlife populations.
- The COCs' impact on area plant communities, however, has affected habitat quality and therefore is likely having an indirect influence on birds and mammals in Greater Sudbury.

# Public Input

Release of the Sudbury Soils Study's  
Ecological Risk Assessment  
**March 31, 2009**

Biodiversity Stakeholder Involvement  
Sessions  
**June 6, 17 and 24, 2009**

Biodiversity 'Have Your Say' Workshops  
**July 7, 8 and 9, 2009**

Biodiversity Feedback Questions (website)  
**July to end of September, 2009**

Biodiversity Telephone Survey  
**Conducted in August, 2009**

Biodiversity Action Plan Draft Review Period  
**October 30 to November 30, 2009**

Final Biodiversity Action Plan Release  
**December 23, 2009**

# What Community Members Said



## Top Priorities:

- ❑ Regreening
- ❑ Wildlife habitat creation
- ❑ Education of the public
- ❑ A healthier environment for the next generation
- ❑ Community involvement & participation
- ❑ Science-based decision-making
- ❑ Funding commitment from Vale Inco and Xstrata Nickel

# Living Landscape - Contents

- Why a Biodiversity Action Plan?
- The Process That We Followed
- What You Told Us
- Greater Sudbury – Year 2050
- What's the Problem?
- Getting From Here to There
- Why We Need to Help?
- How We Can Help – the Basics
- Beyond the Basics – Part 1
- Beyond the Basics – Part 2
- Wetlands – Giant Filters
- Lake & Rivers
- Healthy Land Healthy Water
- Greening the Urban Landscape
- A Climate of Extremes
- Blueberries
- Biodiversity & Food
- Species At Risk
- Tracking Change
- Education for Life
- Research
- Reporting
- Working Together
- Everyone Can Get Involved
- Moving Forward
- Reporting
- Funding
- Next Steps



# Building on our Success



Expanding with the proven formula:

- Liming
  - 25 to 50 ha/year by hand
  - 100 to 150 ha/year by air
- Fertilizing
- Seeding
- Tree Planting
  - 500,000 conifers
  - 5000 shrubs & hardwoods

# Other Interventions



Achieving healthy, self-sustaining forests will also involve:

- Increasing diversity of the forest floor plants.
- New research, such as lichen 'seeding' on bare rock and planting trials to promote assisted migration in light of a changing climate.
- Blueberry Management Plan
- Monitoring our changing forests
- Educational opportunities



World Youth Day 2002 – regreening participants



# Management & Oversight



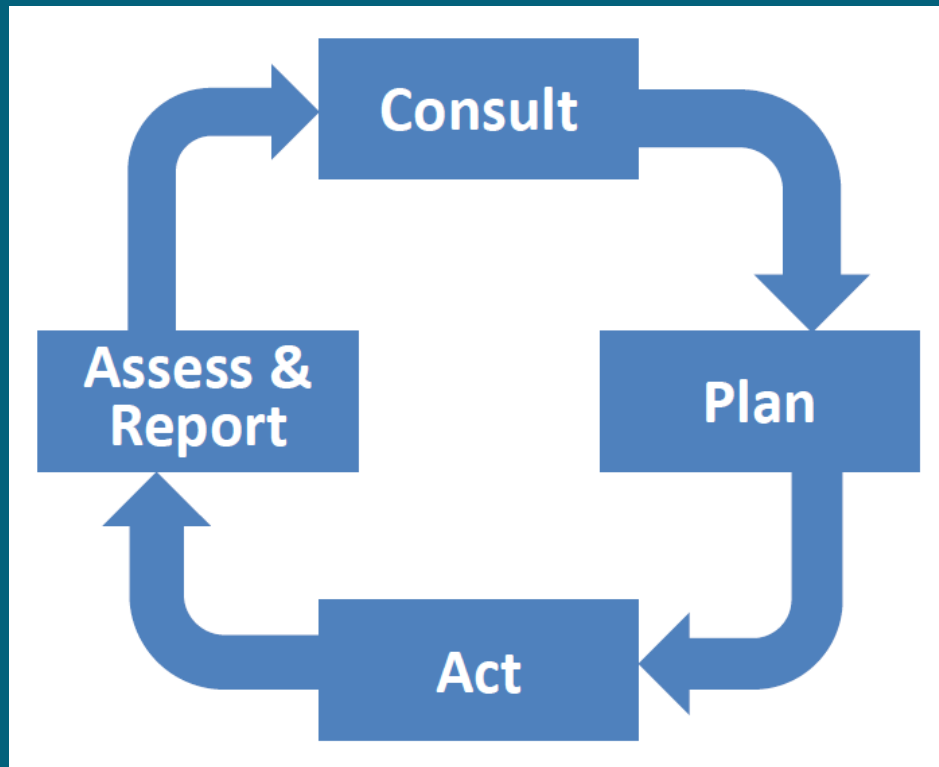
Since 1973

VETAC – City Council's Advisory Panel on Regreening.

Members include representatives from:

- ❑ academic community
- ❑ local non-government groups
- ❑ general public
- ❑ Ministry of the Environment
- ❑ Nickel District Conserv. Authority
- ❑ local businesses
- ❑ Vale Inco
- ❑ Xstrata Nickel
- ❑ City of Greater Sudbury

# Management & Oversight



Biodiversity Action Plan  
↓  
5-Year Operations Plan  
↓  
Annual Operations Plan

# Funding



\$2.25 million over the next five years from Vale Inco and Xstrata Nickel.

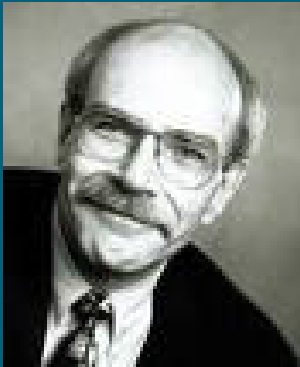


New funding.

Long-term commitment clearly expressed.



# Biodiversity Forum 2010



Lawrence Poole

Wednesday, February 17<sup>th</sup>

Fraser Auditorium

- Francophone and anglophone high school students & teachers during the day
- General public starting at 7 pm.
- “Lessons from the Jungle”
- Creativity, creative leadership; innovation; self-actualization

# Kratt Brothers



Saturday, April 10<sup>th</sup>  
Glad Tidings Tabernacle

- FREE – Open to the Public
- 11 am and 1 pm presentations on wildlife adventures
- Autograph session starts at 2pm
- No live animals and no Zoboomafoo.



# Importance of Wildlife Watching

U.S. Fish & Wildlife Service

## Wildlife Watching in the U.S.: The Economic Impacts on National and State Economies in 2006

*Addendum to the 2006 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation*

Report 2006-1



Developing a love of nature in our kids and ourselves.

A large survey in the U.S. found that wildlife watching in U.S. generates **\$122.6 billion** in total industry output from expenditures of \$45.6 billion.

Expenditures equal to the combined revenues from all spectator sports, amusement parks and arcades, casinos (except hotel casinos), bowling centres and skiing facilities.

Double the expenditures for hunting.  
Roughly equal to those for fishing.



[www.greatersudbury.ca/biodiversity](http://www.greatersudbury.ca/biodiversity)

[www.grandsudbury.ca/biodiversite](http://www.grandsudbury.ca/biodiversite)

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