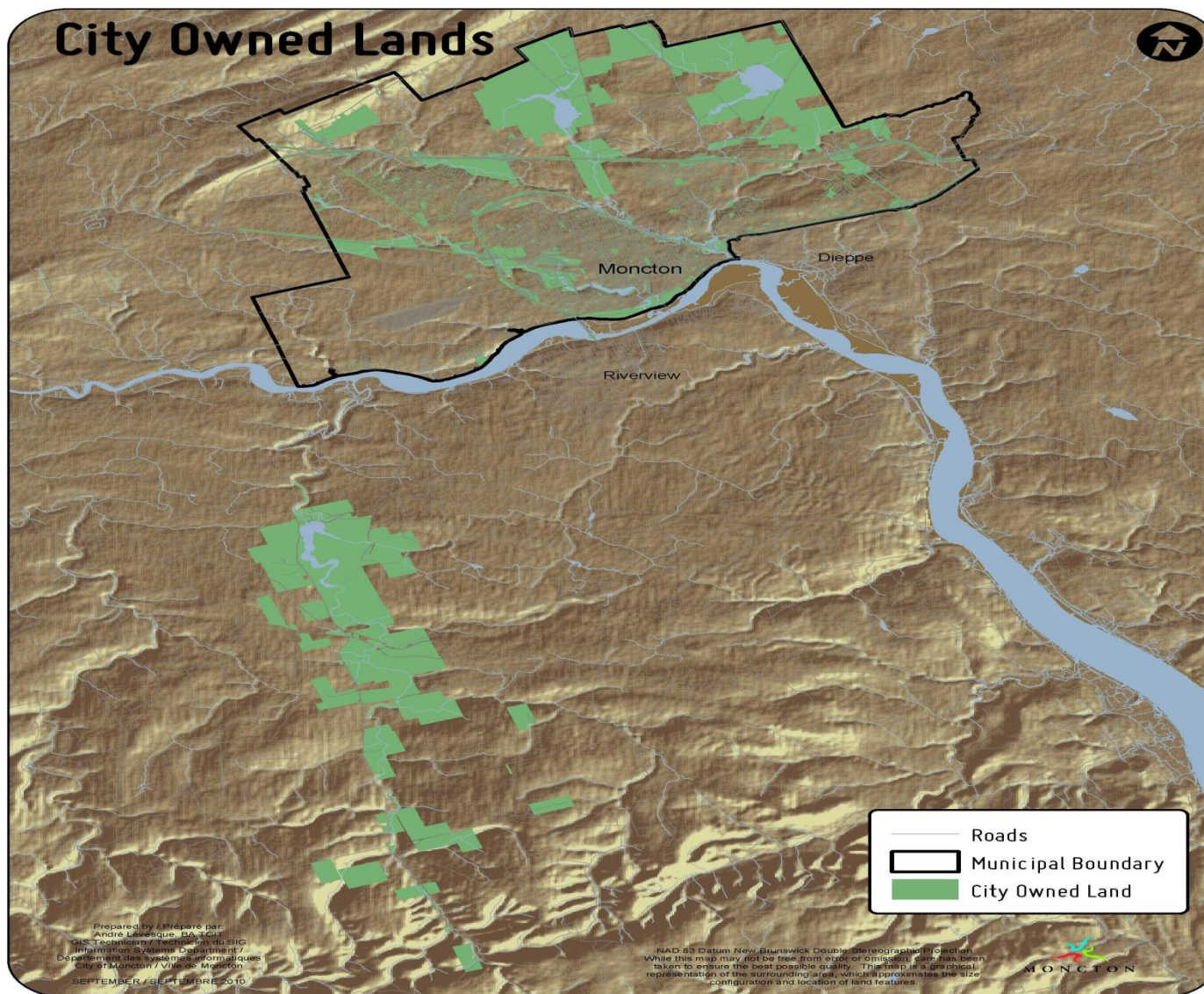


# Community Based Solutions to Urban Forestry Challenges



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# City Owned Lands



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 SEPTEMBER / SEPTEMBRE 2010

NAD 83 Datum New Brunswick Double Stereographic Projection  
 While this map may not be free from error or omission, data has been  
 taken to ensure the best possible quality. This map is a graphical  
 representation of the surrounding area, which approximates the size,  
 configuration and location of land features.





# Goals

- To manage city forests (15,000 acres) that are resilient to climate change, through a sustainable community forest approach that strives to produce healthy natural Acadian forests (native species).
- To support the existing school curriculum - Hands On approach to learning through a teaching/working forest concept.
- Showcase sustainable forest management practices over time – Managed verses Unmanaged Forests (25 year history).
- To manage at the tree, stand and landscape level linking water, forests, nature and society through trees.
- To work with Community Partners in the Forest 2020 site.
- Biomass Pilot Project showcases the first community green energy project for NB, heating and lighting schools in PEI with NB biomass products.
- Working on our own biomass boiler in Moncton, NB.



# Guiding Principals

- Manage all natural resources including forest, water, soil, animals and plants with ongoing continued outside partnerships and funding through FMF, FBR, CFS, Wood Marketing Boards.
- Sustain the Acadian Forest species and develop new and innovative ways to manage cities forests in the next 25 years.
- New Agroforestry Project in Forest 2020 site at McLaughlin Reservoir in partnership with MAGMA – growing your own food in Moncton's Community Forest (Food Forest)
- Forest management in watershed areas is for the long term and new alternatives to the traditional ways of managing forests are being explored - new biomass options are being applied in Community Forests in Moncton.

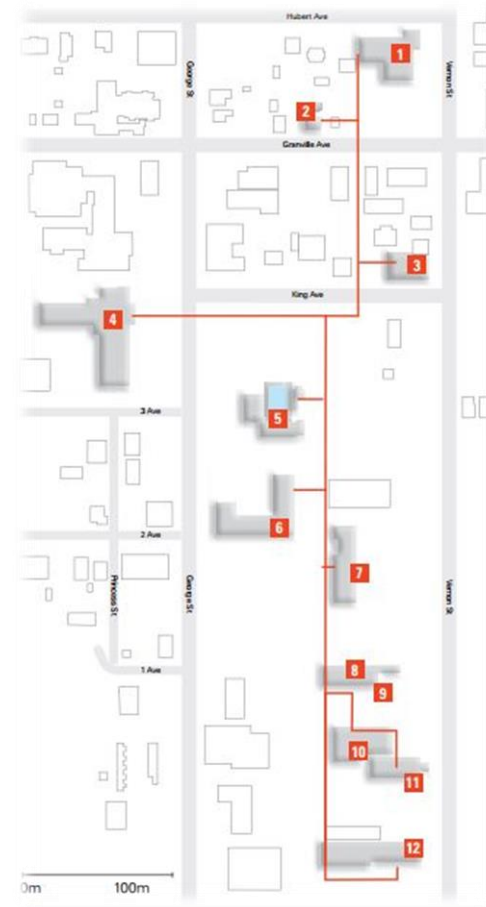


# **McLaughlin Reservoir Site of First Community Green Energy Project for NB**



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# Urban Biomass Heat



# Wood to Energy





# Biomass Delivery





# Biomass Storage



# Biomass Chipping





# Biomass Stocking





# Sustainable Forest Management

## Selection Harvest - Turtle Creek







# Urban Forest

## Best Management Practices

- Develop long term forest management plans for all forest land over 100 acres in size. Keeping watershed protection as the priority when carrying out any type of forestry activity – drinking water quality is the priority.
- Continue with forest renewal, tree planting, street tree care and maintenance, finalize tree inventory.
- Continue to advance the Forest Legacy program, community forestry project, non timber values projects (sugar bush, ginseng, hardwood grain project, agroforestry – bees, food forests).
- Lead in Community Stewardship and Partnership Programs.
- Continue to work with developers on saving trees during construction and stressing the economic value trees bring to a property for sale.







## **Outdoor Educational Classroom –Teaching Forest at McLaughlin Reservoir**

Environmental education classes are taught upon request to Envirothon NB teams studying environmental issues related to forests, water quality, soils, aquatics and biodiversity within the community forest. This same forest is used for demonstration field days showcasing sustainable forest management treatments over time – 25 year history.



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25 years of forest management planning has gone into the cities strategic plan for environmental protection.

Enhanced outdoor education programs highlighting NB Forests are an important component of our community forestry program.

Ecosystem based teaching strategies specific to science curriculum outcomes were designed for K-12 and University level , a hands on approach to learning.





- Completion of an Intergraded **Community Sustainability Plan** (ICSP) for managing municipal forests linked to a Plan Moncton Strategy – Urban Forest Component New in 2013.
- **Tree Planting Program** – Annually 5-10,000 native trees are planted in the Forest 2020 site and others – over 300 street trees planted annually.
- **Agroforestry** – planting of food crops, bee – honey production, food forest in Forest 2020 site.





# Tree Plan Canada Planting 2011



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# Community Green Energy Site



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A green graphic featuring two stylized human figures, an adult and a child, holding hands. They are positioned next to a large, stylized green tree. The text "TREES for the FUTURE" is written in large, bold, green capital letters to the right of the figures and tree.

# TREES for the FUTURE



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