

Oka Niobium Mine Eco-Niobium's New Concept

Presented to the Members of the Mohawk Nation of Kanasatake on June 2, 2016

By

Eco-Niobium Resources Inc.
9695 av. Millen, Suite 4,
Montréal QC H2C 2E2

www.eco-niobium.com

Incorporated in Quebec in 2015

Normand Champigny

- President of Sphinx Resources

Michel Gaucher

- Board member of Cambior 15 years, who operated Niobec

John W. W. Hick

- Board member of Cambior 15 years, who operated Niobec

Kerry E. Sparkes

- Geologist currently working for Franco-Nevada Corporation

What Is Niobium?

- Adds strength to steel
- Used in many applications such as bridges, car chassis and exhausts and turbines
- Approximately C\$ 12 of niobium added to a mid-sized car reduces its weight by 100 kg and reduces fuel consumption by 5%



**To re-design and operate
the former niobium mine in a way
that will avoid the negative environmental
and social impacts
that led to its rejection by the Mohawks**

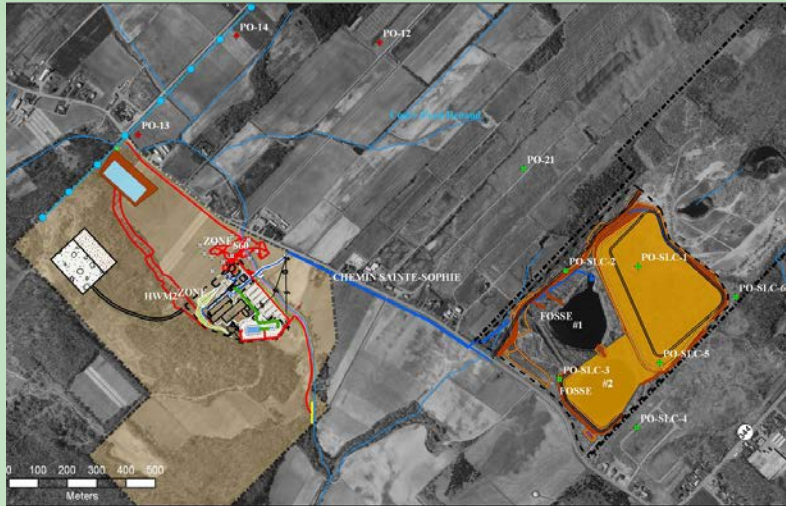
- Production - 20 years to start in 2019-20
- Project value - \$ 4 billions @ C\$ 50/kg Nb₂O₅
- Payroll for 250 jobs - \$ 25 M
- Pre-tax cash flow - \$ 140 M per year
- Kanestake and Oka - \$ 5 M per year each
- Sharing of profits between Kanestake & Oka

How To Eliminate Impacts On Mohawk Rights, Titles and Claims?

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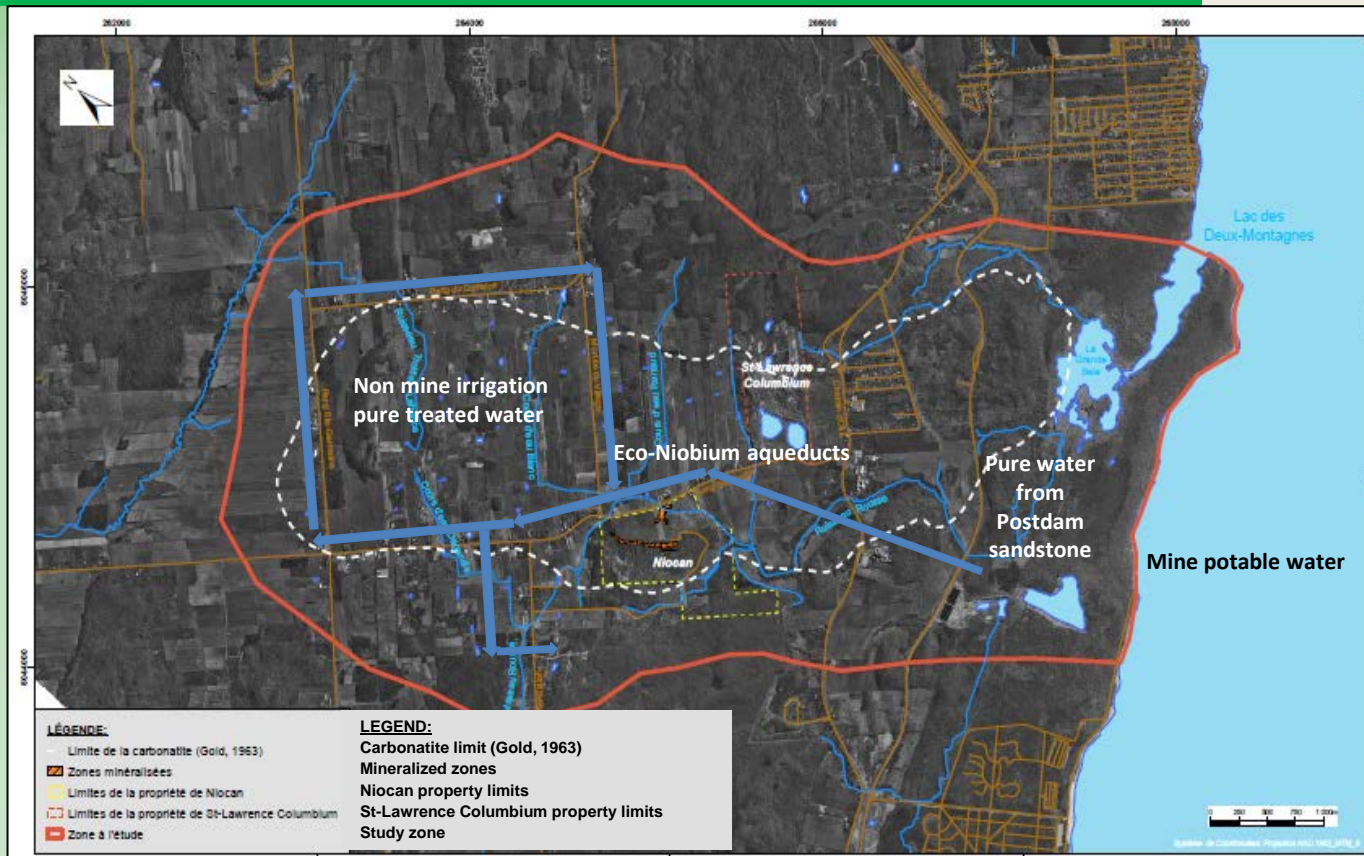
Niocan

Eco-Niobium



- Mill Buildings, waste and tailings, ferroniobium plant, paste backfill plant, headframe, sedimentation pond , dust & noise at surface
- Agricultural land BECOMES industrial

- All major infrastructure underground
- Agricultural land REMAINS agricultural



Water pumped from the mine will be treated to meet or exceed drinking water standards, including the reduction of levels of uranium

**Jain Infrastructure
Consultants, H2Flow
Equipment Inc. &
AdEdge water
technologies**



Manganese treatment with green sand



Uranium treatment with ion exchange

How To Export Niobium & Uranium?

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99% waste returned **below surface**

1% niobium containing uranium **off-site**

- **Niocan will not operate a mine under their current mining lease**
- **Unless social acceptability is created, this valuable resource opportunity will never see the day**

- **\$5 M per year royalty**
- **Profit-sharing**
- **Preferential hiring & contracting**
- **Training**
- **Full environmental impact assessment**
- **Commitments legally binding and enforceable**
- **Kanesatake funded to negotiate agreements**
- **Environmental and Social Cohabitation Committee**
- **Upfront funding of mine closure**

Mine	Mill	Administration
<p>Equipment operator Truck operator Construction worker Mechanic Electrician tech. Surveyor</p>	<p>Equipment operator Control room operator Maintenance worker Mechanic Electrician Instrumentation tech. Welder</p>	<p>Accountant Environmental tech. Admin support Buyer Warehouse clerk Medical services Security services</p>

Michel Gaucher, President, michel.gaucher@icloud.com
Normand Champigny, Director, nchampigny@sphinxresources.ca

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