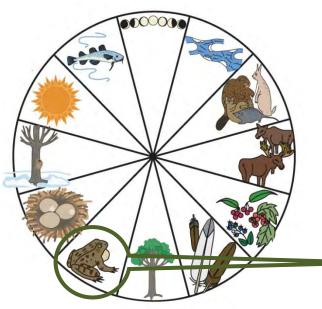
VISUALIZING HOLISTIC THINKING AND TRANSFORMATIVE LEARNING FOR ENVIRONMENTAL MANAGEMENT - pattern transformation

- 2004
- community outreach

In 2004, Integrative Science personnel were beginning to contribute to a newly formed collaborative process for environmental management in Cape Breton – a process known as "CEPI" for "collaborative environmental planning initiative". As part of the Integrative Science contributions, Canada Research Chair Cheryl Bartlett asked artist Basma Kavanagh to create a playful, innovative visual to encourage people to think holistically and to consider the power of transformative learning.

The visual focus chosen was to show how the Island of Cape Breton could be seen to shape shift into a frog, an animal that is both a cultural symbol of transformation and a biological manifestation of transformation: the life journey of a frog is from the tadpole stage in a water environment to the adult stage capable of life both on the land and in the water and finally back again to the water for reproduction.

We felt that a frog would be all the more appropriate because of the known vulnerability of this type of organism to environmental change and to pollutants.

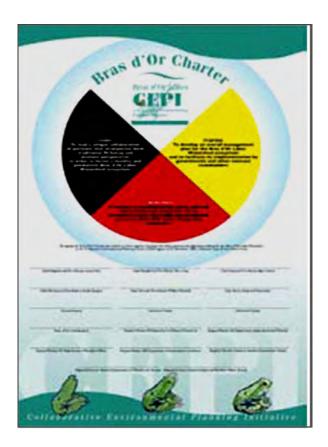


Additionally, frogs are a key eco-reference for the Mi'kmaw people because one of the moon cycles within the year is known as Sqoljuiku's, for "frog croaking time", which approximates to the month known as May (see activity "Mi'kmaw calendar" for additional explanation).

Sqoljuiku's ...
the moon cycle of
"frog croaking time"
in the Mi'kmaw calendar

The visual that Basma created to show the transformation of the Island of Cape Breton into a frog is shown below. Personnel in Integrative Science were delighted when Basma's visual was featured on the charter created to formalize CEPI. It was signed by all Mi'kmaw chiefs in Unama'ki – Cape Breton plus various municipal, provincial, and federal government officials. It is also shown below (and enlarged on the next page). The last page in this document features the hand-out that Integrative Science personnel distributed broadly, both within CEPI and in other educational and/or collaborative venues.







Collaborative Environmental Planning Initiative

VISION

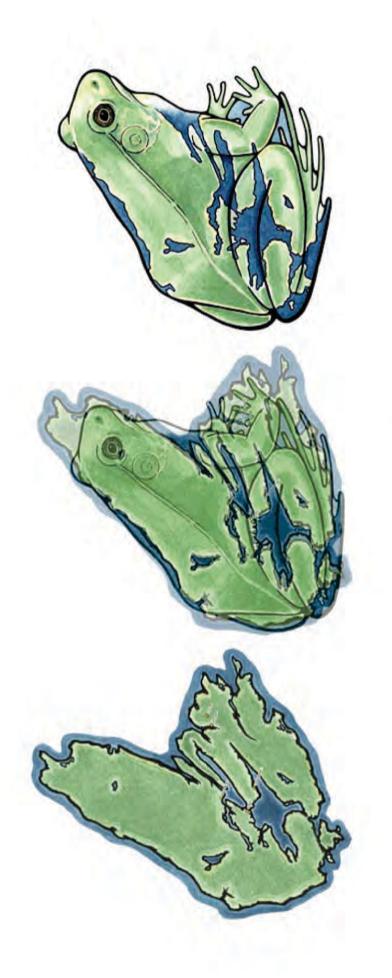
To lead a unique collaboration of partners that incorporate both traditional Mi'kmaq and western perspectives in order to foster a healthy and productive Bras d'Or Lakes Watershed ecosystem

PURPOSE To develop an overall management plan for the Bras d'Or Lakes Watershed ecosystem and to facilitate its implementation by governments and other relevant stakeholders

OBJECTIVES

A balance of environmental, social, cultural and institutional objectives will be pursued to ensure the health and sustainable use of the Bras d'Or Lakes Watershed ecosystem

By signing this Bras d"Or Charter, we commit to work together to pursue the vision, purpose and objectives outlined for the Bras d"Or Lakes Watershed by the Collaborative Environmental Planning Initiative. (CEPI) Signed on 23 November 2005 at Eskasoni, Cape Breton, Nova Scotia.		
Chief Mester leck Chief Wagmatcook First Nation-Lester Poek	Tenone J. Paul Chief Membertou First Nation-Terry Paul	Chief Eskasoni First Nation-Blair Francis
Chief We'koqma'q First Nation—Sandy Googog	Chief Potlotek First Nation—Wilbert Marshall	Cape Breton Regional Municipality
Wayre Budge Victoria County	() Mart Moraulty Inversess County	Nichmond County
Toyn of Port Hawkesbury	Deputy Hinster, NS Department of Natural Resources	Royalist C Ferfaces Deputy Minister, NS Department of Agriculture and Fisheries
Deputy Minister, NS Department of Aborganal Affairs	Deputy Minister, NS Department of Environment and Labour	Regional Director General Atlantic Environment Canada
Regional Director General D	epartment of Fisheries and Oceans Regional Director General, Ind	Lray FOR
Regional Director General, D	epartment of risneries and Oceans Regional Director General, Ind	ian and Nerthern Attairs Canada
Collaborative E.	nvironmental Pla	anning Initiative



CAPE BRETON - UNAMA'KI

... showing our Island as the living organism "Frog" to remind us that essential understandings in our collaborative human journey. healthy life requires healthy water, land and air and that transformation and interconnectedness are

Artwork by Basma Kavanagh







