

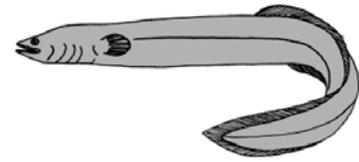
## MI'KMAW PROVIDERS, KATAQ AND NETUKULIMK – graduate student research Institute for Integrative Science & Health: [www.integrativescience.ca](http://www.integrativescience.ca)

- mid-2000's to 2011
  - Sana Kavanagh graduate research
- 



Sana Kavanagh is a graduate student and research associate with the Institute of Integrative Science & Health. She is currently finishing her Master of Environmental Studies degree through Dalhousie University, based on qualitative research into Mi'kmaq knowledge of *kataq* (eels) in Nova Scotia. Sana has used a semi-

structured interview approach for her research and Mi'kmaq Elder Albert Marshall of Eskasoni First Nation has served as a community liaison in this interview process. CRC in Integrative Science Dr. Cheryl Bartlett at Cape Breton University is co-supervising Sana's work and has provided funding support from her SSHRC research award for a project entitled: Pattern recognition: enriching the "common ground" of bringing Aboriginal and Western scientific knowledges together.



Sana has interviewed various people in Mi'kmaq communities in Unama'ki – Cape Breton to learn about how they search for eels, when and where they go to harvest eels, how they prepare and eat the eels, how the Mi'kmaq concept of *Netukulimk* guides them in their overall practices to take only what's needed and waste nothing, and also how they have been taught about eels and how they, in turn, teach about eels. Sana is also exploring how *Netukulimk* can be an interpretive framework for her research results. It was Elder Albert who suggested to Sana that she consider *Netukulimk* within her research in these interconnective ways.

In addition, Sana has developed an innovative dimension to her masters work in that she has created visuals for use at all phases in the research process and especially to aid communication in the cross-cultural and trans-cultural setting that her research occurs.

When her masters thesis is finished, Sana intends to develop educational materials, based on her findings, for use in schools and other venues. These will be especially helpful for educators who wish to encourage Two-Eyed Seeing within science education, as Elder Albert passionately promotes and as personnel in the co-learning journey of Integrative Science strive to follow.

Sana presented some of her research in June 2010 at the "Celebrating Indigenous Knowledges - peoples, lands, cultures" international conference held at Trent University in Peterborough, ON. You can view Sana's presentation at:

<http://www.integrativescience.ca/uploads/articles/2010June-Kavanagh-Bartlett-Two-Eyed-Seeing-Integrative-Science-Aboriginal-Indigenous-knowledge-eels-Mi'kmaq.pdf>