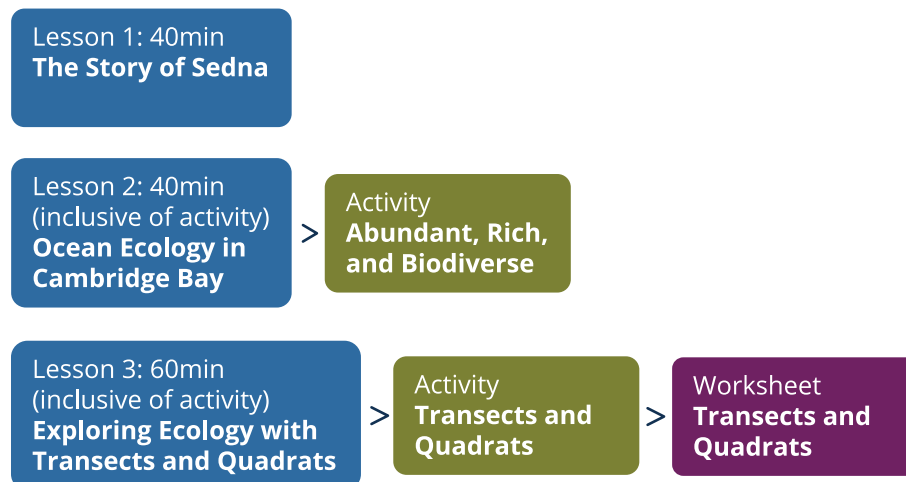


# Ocean Sense Program

## Arctic Ocean Biodiversity Module Overview

Experience the story of Sedna, which is shared throughout Inuit Nunangat in many different versions, and examine the importance of Arctic ocean creatures. Define species abundance, species richness, and biodiversity and perform a transect and quadrat study using authentic data from the Kitikmeot Region of Nunavut.

### Suggested sequence:



This module includes:

-  slide deck
-  artwork
-  worksheet
-  oral histories with knowledge holders
-  authentic data
-  hands-on activity

British Columbia  
**Science**  
**7**  
Curriculum

### Downloadable resource packs:

- Lesson 1: **The Story of Sedna**  
(includes the PDF for the lesson)



slide deck



oral histories with  
knowledge holders



artwork

- Lesson 2: **Ocean Ecology in Cambridge Bay**  
(includes the PDF for the lesson and the activity *Abundant, Rich, and Biodiverse*)



slide deck



authentic data



hands-on activity

## Downloadable resource packs:

- Lesson 3: **Exploring Arctic Ecology with Transects and Quadrats**  
(includes the PDF for the lesson, the activity *Transects and Quadrats*, and the worksheet *Transects and Quadrats*)



slide deck



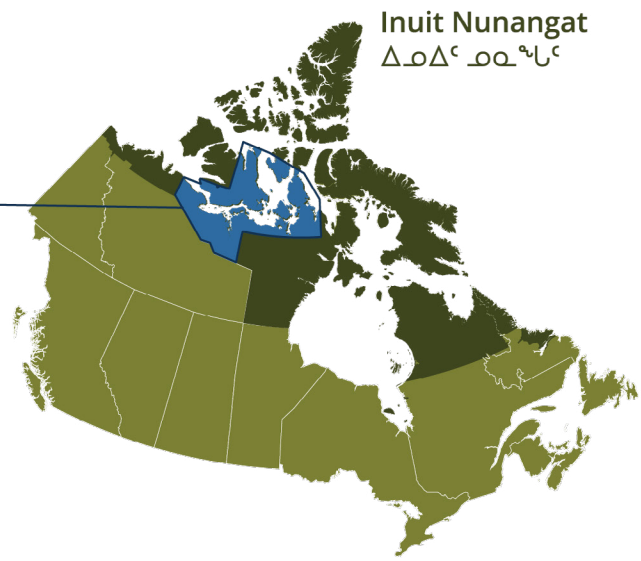
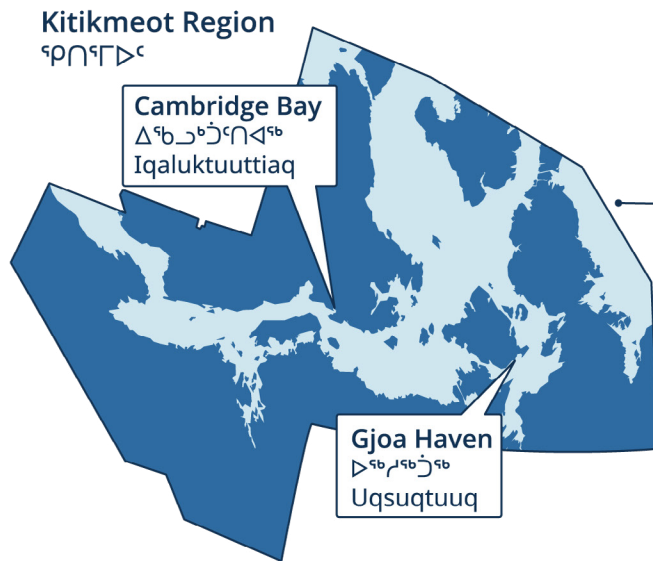
authentic data



worksheet



hands-on activity



## Community partners

The traditional knowledge in this module comes from Inuit community members Rebecca Ukullaq, Salomie Qitsoalik, Jimmy and David Qirqqut from Gjoa Haven (ᑭᑭᑭᑭᑭᑭᑭᑭ) in the Kitikmeot region of Inuit Nunangat.

Collaboration with the following individuals made this module a reality: Rebecca Ukullaq, Salomie Qitsoalik, Jimmy and David Qirqqut, Danny Aaluk, Zoe Ohokannoak.

## Notes on language

Inuktitut is the language spoken by Inuit people and it has many dialects. The people of Cambridge Bay speak the Inuinnaqtun dialect and use Roman orthography when writing their language. The people of Gjoa Haven speak the Inuktitut dialect and use syllabics when writing their language. Although both communities have some unilingual Inuinnaqtun or Inuktitut speakers, English is commonly spoken. In fact, communities are working hard to revitalize language teaching in order to address the impacts of colonization.



Nulijuk  
Danny Aluuk, Gjoa Haven