



Deva and Louise

Coastguard Project (Year 1): Site Selection, Training and Initial Data Collection



1. Building relationships

Coastguard aims to assess temporal and spatial trends in mercury and microplastic concentrations in seawater and sediments. A HTC meeting was held in August 2023 to inform site selection and discuss research priorities including student participation.

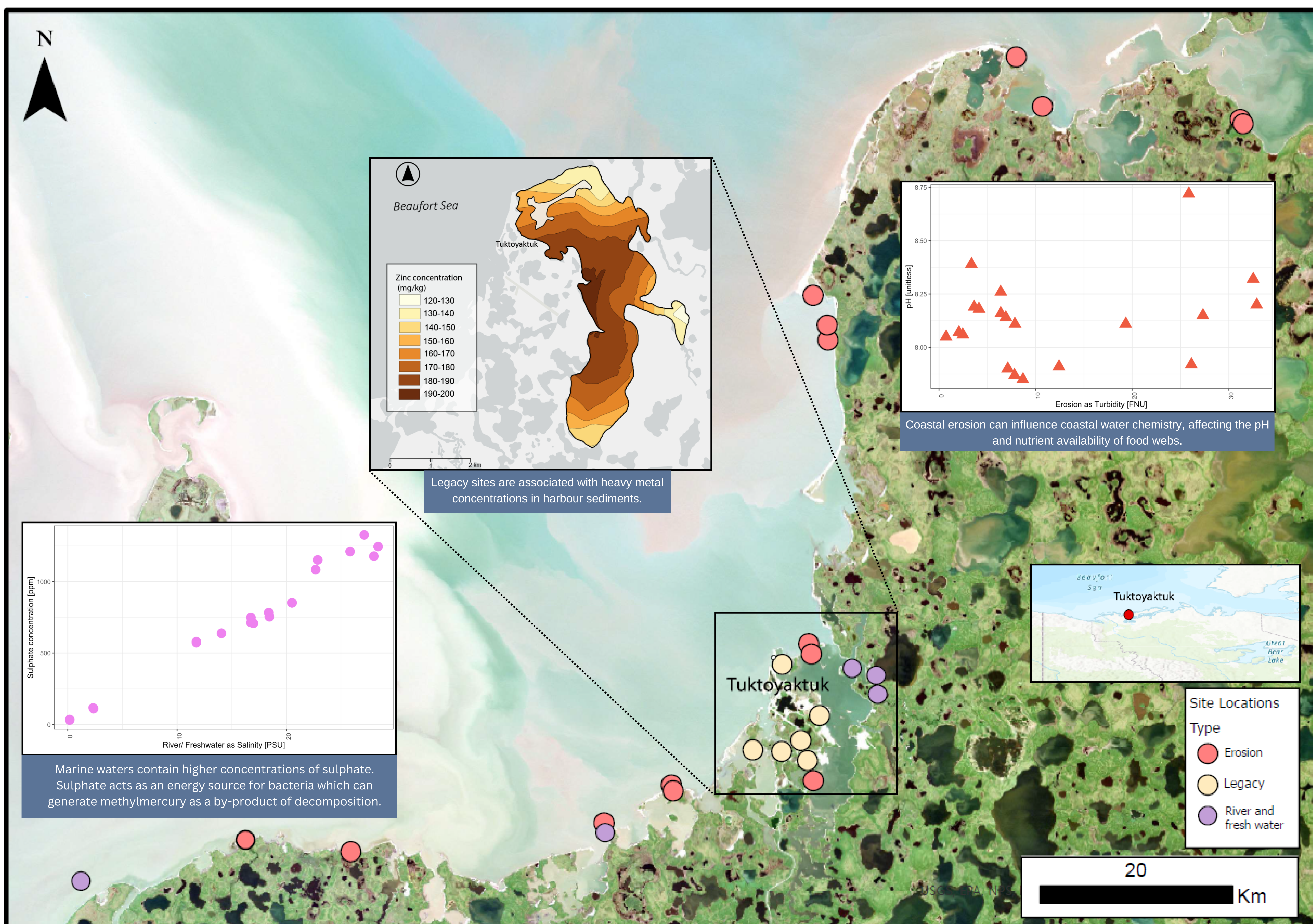


2. Training and youth engagement

Training was provided in field sampling, data management and science communication. A student joined in with this training during August 2023.



3. Initial data collection



Site locations moving along gradients from high to low **river** and **coastal erosion** inputs. **Legacy infrastructure** source areas are also represented.

4. Next steps

Analysis on samples collected in August 2023 and laboratory training will continue in Spring 2024. Further sampling will take place in March, June and August to capture seasonal differences. Microplastic protocol is currently being developed.

References:



Louise Mercer, Deva-Lynn Pokiak, Michael Lim, Dustin Whalen, Mary Gamberg and Paul Mann



Natural Resources Canada

