Quantification of calcium carbonate (ikaite) in first- and multi-year sea ice H. Kyle^{1,2}, S. Rysgaard^{1,2,3,4}, F. Wang², and M. Fayek¹

¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ²Centre for Earth Observation Science, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Science, University of Manitoba, Winnipeg, MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of MB, R3T 2N2, Canada; ¹Department of Geological Science, University of MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of MB, R3T 2N2, Canada; ¹Department of Geological Sciences, University of Geological Sciences, University of Geological S ³Arctic Research Centre, Aarhus University, 8000 Aarhus, Denmark; ⁴Greenland Climate Research Centre, Greenland Institute of Natural Resources, 3900 Nuuk, Greenland

Correspondence to: umkyleh@myumanitoba.ca

Summary

and global importance of the sea ice carbon pump.

Methods

- compared.
- sampling location.







