

FLORIDA STATE UNIVERSITY  
COLLEGE OF ARTS AND SCIENCES

CARBON DYNAMICS IN A CHANGING ARCTIC LANDSCAPE:  
CHARACTERIZING DISSOLVED ORGANIC MATTER ACROSS MULTIPLE  
SCALES

By

SOMMER FAITH STARR

A Dissertation submitted to the  
Department of Earth, Ocean, and Atmospheric Science  
in partial fulfillment of the  
requirements for the degree of  
Doctor of Physical Environmental Science

2024

Sommer F. Starr defended this dissertation on March 5, 2024.

The members of the supervisory committee were:

Robert G.M. Spencer  
Professor Directing Dissertation

Stephanie Pau  
University Representative

Eric P. Chassignet  
Committee Member

Jeff P. Chanton  
Committee Member

Kimberly P. Wickland  
Committee Member

The Graduate School has verified and approved the above-named committee members, and certifies that the dissertation has been approved in accordance with university requirements.