## FLORIDA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

## TEMPERATURE RESPONSE OF METHANE AND CARBON DIOXIDE PRODUCTION IN ARCTIC FEN PEAT AND COMPARISON TO SEASONAL RATES OF MEASURED METHANE EMISSION

By

## **OLIVIA CATHERINE OGLES**

A Thesis submitted to the
Department of Earth, Ocean, Atmospheric Science
in partial fulfillment of the
requirements for the degree of
Master of Science

Olivia Ogles defended this thesis on May 25, 2023.	
The members of the supervisory committee were:	
	Jeffrey Chanton
	Professor Directing Thesis
	Robert Spencer
	Committee Member
	William Dewar
	Committee Member
The Graduate School has verified and approved the above-named committee members and	
certifies that the thesis has been approved in accordance with university requirements.	