



# LICHENS AND LICHEN ECOLOGY



2022 EAGLE HILL  
NATURAL HISTORY  
SCIENCE SEMINARS  
ON THE COAST OF  
EASTERN MAINE

**Instructor: Troy McMullin**

**When: May 15 - 21, 2022**

This seminar is suitable for beginners and those with an advanced understanding of lichens. It is designed to help teachers, students, those working in state or federal positions, and naturalists of all skill levels become more knowledgeable about lichens. Lichens are abundant and diverse along the coast of Maine, so participants can pursue topics of interest and develop identification skills for a wide range of species. This seminar emphasizes both fieldwork and laboratory studies. The main focus is on identification using books, keys, and chemical tests. Chemistry will be examined with ultra-violet light, spot tests, and thin layer chromatography. Instruction will be provided on how to do these tests and how to cut sections of lichens and their fruiting bodies in order to examine internal structures. Lichens from open, forested, and seashore habitats will be studied. Lectures and slide presentations will cover topics such as structure, reproduction, ecology, human uses, and pollution monitoring. This seminar is recommended before taking more specialized lichen seminars. Participants are encouraged to bring their own specimens to study.

**GENERAL INFO**

**CALENDAR**

**APPLY**



## about the instructor

Dr. Troy McMullin (tmcmullin@nature.ca) is a lichenologist at the Canadian Museum of Nature in Ottawa, Ontario. His research program is focused on the biogeography, conservation, ecology, and taxonomy of Canadian lichens, with a focus on eastern regions and the Arctic. Troy has published extensively on these areas of lichenology, including his recent co-authored book *Common Lichens of Northeastern North America*.