

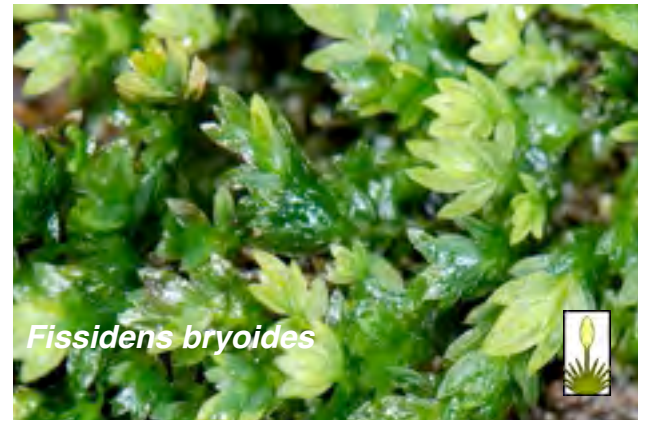
SEQUOIA NATIONAL PARK

Moss

Mosses, liverworts, and hornworts belong to a group of plants known as bryophytes. They are much smaller in size compared to most plants, often with stems less than a centimeter. They can be easily overlooked, however in Sequoia National Park, they are rich in species and add to the diversity of the communities they inhabit. Mosses can be found in many places vascular plants do not grow, such as on the bark of Oak trees, the bases of Giant Sequoias, fallen logs, and faces of boulders. Other great places to find mosses are in wet places like stream banks and seasonally wet meadows



Bryum argentuem



Fissidens bryoides



Tortula hoppeanna



Hedwigia detonsa



Dicodontium pellucidum



Bartramia ithyphylla



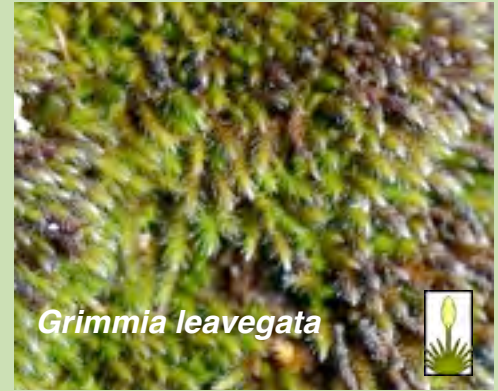
Syntrichia princeps



Amphidium laponicum



Bryum pseudotriquitrum



Grimmia leavegata



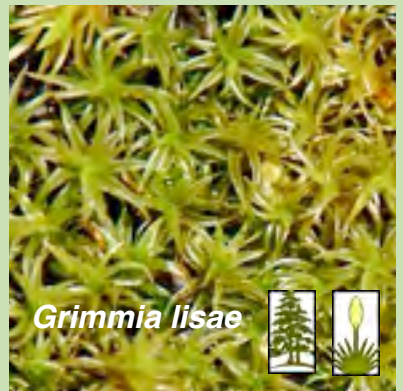
Aloina ambigua



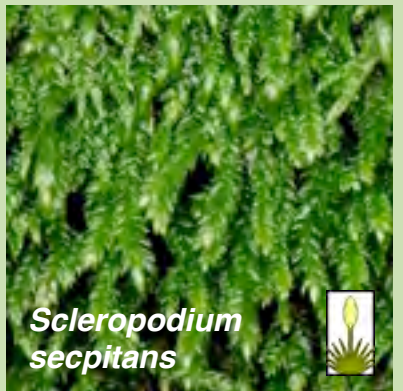
Orthotricum lyallii



Clayopodium whippleanum



Grimmia lisae






Scleropodium secpitans



KEY TO SYMBOLS






ELEVATION ZONES

foothills	conifer	subalpine/alpine
		
1500-5000	5000-9000	9000-1200

WETNESS

often dry	1
usually dry	2
often moist	3
always wet	4
submerged	5

SUBSTRATES

rock	soil	wood	stream & river	meadows & fens
				

TERMINOLOGY

Mosses have intricate structures. Some are analogous to leaves and stems and some are structures unique to bryophytes

Sporophyte:

- capsule →
- seta →



Gametophyte:

- leaves
- stems & rhizoids





Dendralsia abietina



Funaria hygrometrica



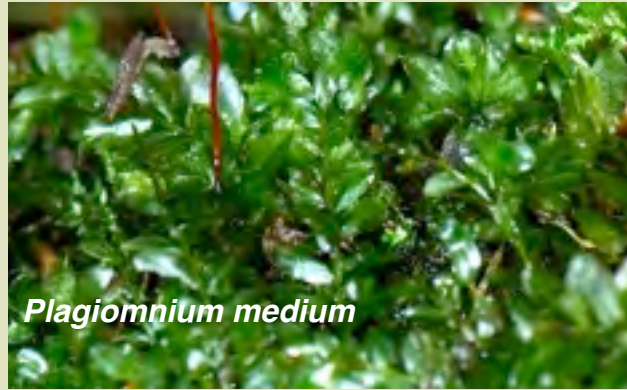
Polytrichum piliferum



Kindbergia praelonga



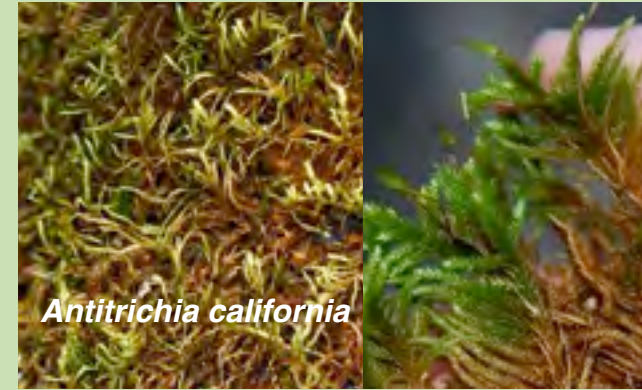
Fontinalis antipyretica



Plagiomnium medium



Codriopherous depressus



Antitrichia californica



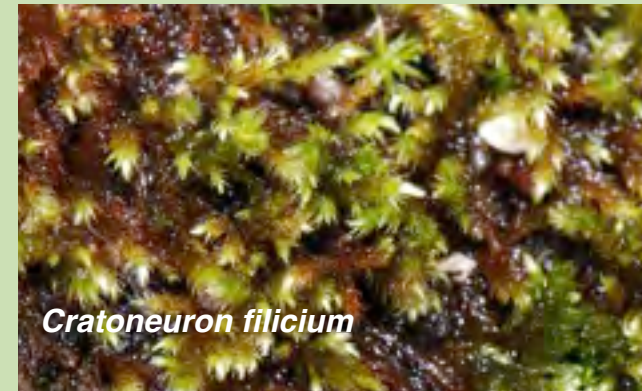
Pohlia cruda



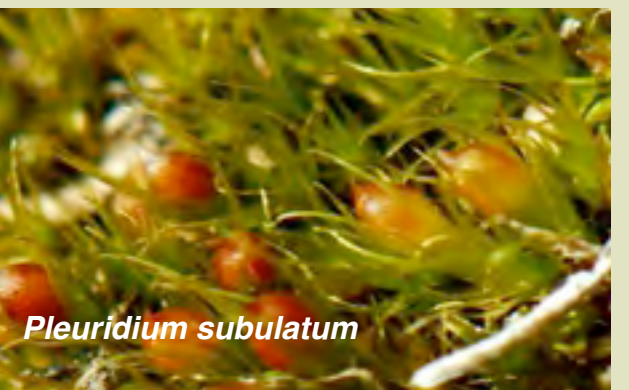
Pseudobraunia californica



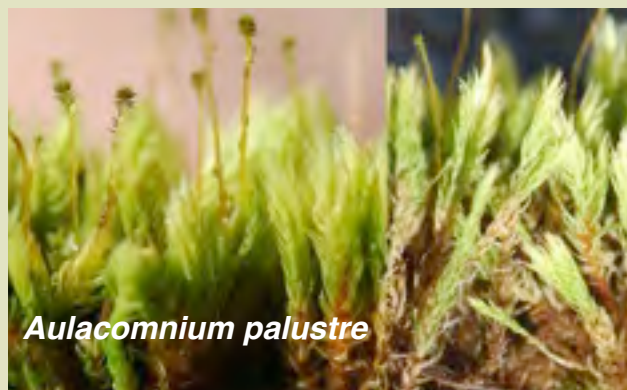
Dicranoweissia cirrata



Cratoneuron filicium



Pleuridium subulatum



Aulacomnium palustre



Guide and Photos created by
Lena Ayala Coleman
Dr. Paul Siri Wilson
California State University , Northridge

For more information see our website:
<http://www.csun.edu/~hcbio028/cv.html>

Contact information:
lena.coleman.519@my.csun.edu
paul.wilson@csun.edu