

CAPE BRETON PRIVATELAND PARTNERSHIP

Nova Scotia At-Risk Lichens

Black Foam Lichen
(*Anzia colpodis*)



NS Status: Threatened

Description: Outer surface is greenish-grey in colour. Undersurface is black with a spongy, thick cushion of black fungal filaments. Commonly has brown disc shaped apothecia. Can get up to 20cm in diameter.

Habitat: Mature hardwood trees, primarily red maple. In Canada it only occurs in Nova Scotia, making up 50% of the known global population of this species.

Threats: Air pollution, climate change, forestry practices which lack implementation of best management practices (buffer zones), grazing by native and invasive slugs.

Blue Felt Lichen
(*Degelia plumbea*)



NS Status: Vulnerable

Description: Outer surface is lead-grey when dry and blue when wet. Undersurface is blue-grey to black in colour. Typically 5-10cm in diameter with thick lobes with upturned edges and red-brown apothecia.

Habitat: Hardwood trees in mixed-wood forests and mature hardwood forests, humid environments. 88 Known locations in Nova Scotia which represent a significant portion of the species population in North America.

Threats: Activities that alter the relative humidity of their habitat, air pollution, acid rain, and forestry practices which lack implementation of best management practices (buffer zones).

Boreal Felt Lichen
(*Erioderma pedicellatum*)



NS Status: Endangered

Description: Outer surface is greyish-brown when dry and olive-green when wet. Undersurface is white. Typically 2-5cm in diameter with curled or upturned lobes and has red disk-shaped apothecia .

Habitat: Grows exclusively on balsam fir in humid environments. Has experienced over a 90% decline in occurrences.

Threats: Air pollution, acid rain and forestry activities that alter the relative humidity of their habitat due to lack of implementation of best management practices (buffer zones).

Eastern Waterfan Lichen
(*Peltigera hydrothyria*)



NS Status: Threatened

Diameter: Outer surface is dark green or grey and almost black when wet with fan shaped lobes. Undersurface is deeply veined and attaches to rocks with spongy tufts of fibers.

Habitat: Grows attached to tree branches or stones in specific types of clear, mineral-rich streams either at or below the water level.

Threats: Alteration of water quality (temperature, flow, volume, alkalinity, turbidity), air pollution, erosion, climate change and forestry practices which lack implementation of best management practices (buffer zones).

Vole Ears Lichen
(*Eleocharis tuberculosa*)



NS Status: Endangered

Description: Outer surface is grey-brown when dry and grey-green when wet. Can grow to be 12cm in diameter.

Habitat: Prefers cool, humid environments in spruce/fir forests. Has experienced an 80% decline in occurrences.

Threats: Air pollution, acid rain and forestry practices which lack implementation of best management practices (buffer zones).

Wrinkled Shingle Lichen
(*Pannaria lurida*)



NS Status: Threatened

Description: Outer surface is brownish grey and wrinkled. Can grow to be 10cm in diameter.

Habitat: Prefers mature hardwood trees, primarily red maple, in wet environments. Nova Scotia is home to 90% of Canada's population of this species, which has declined by 30%.

Threats: Air pollution, climate change, land development and forestry practices which lack implementation of best management practices (buffer zones).

Resources

Black Foam Lichen

General Info: [Species at risk - Government of Nova Scotia, Canada](#)

Blue Felt Lichen

General Info: [Species at risk - Government of Nova Scotia, Canada](#)

Boreal Felt Lichen

General Info: [Species at risk - Government of Nova Scotia, Canada](#)

Recovery Plan: [RECOVERY PLAN ADOPTED BorealFeltLichen 27September 2020.pdf \(novascotia.ca\)](#)

Eastern Waterfan Lichen

General Info: [Species at risk - Government of Nova Scotia, Canada](#)

Recovery Plan: [RECOVERY-PLAN-Eastern-Waterfan.pdf \(novascotia.ca\)](#)

Vole Ears Lichen

General Info: [Species at risk - Government of Nova Scotia, Canada](#)

Recovery Plan: [RECOVERY PLAN ADOPTED Vole Ears 27September2020.pdf \(novascotia.ca\)](#)

Wrinkled Shingle Lichen

General Info: [Species at risk - Government of Nova Scotia, Canada](#)