

Pyrola – 2018



2.1. Latinsk navn (Latin name)

Pyrola media Sw

Leave rosette (with or without flower) was treated as individual.

2.2 Rødlistestatus (red list status)

Not in red list

2.3 Utbredelse (spreading/place)

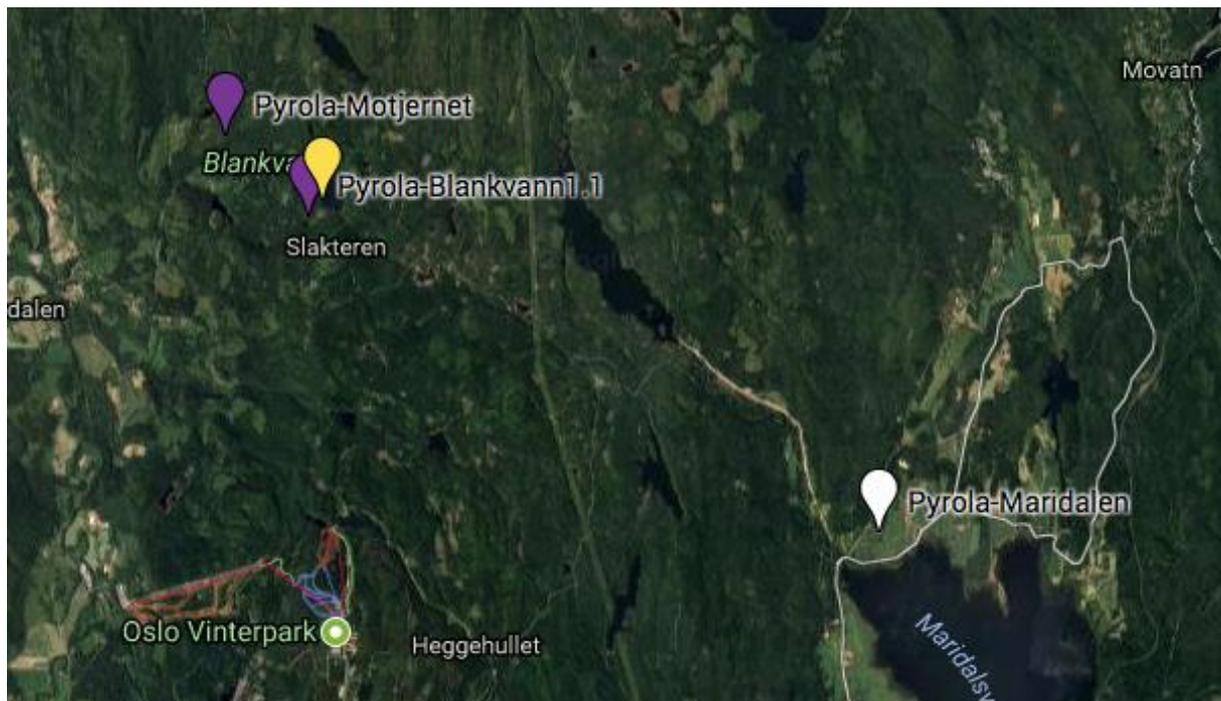
Northern and central Europe, extending southwards locally, and mainly in the mountains, to N. Italy, Macedonia, Krym, and S.Ural.

2.4 Lokalteter i Norge (locations in Norway)

2.4.1. Lokalteter i Oslo (locations in Oslo)

3 locations: [Pyrola-Blankvann1.1](#) + [Pyrola- Blankvann1.2](#) and [Pyrola-Motjernet](#)

Map. Pyrola 2018.



< 10 specimens (white)

11 – 100 specimens (yellow)

101 – 300 specimens (red)

> 300 specimens (violet)

Location: Maridalen.



Individuals: not found (!)

Area: 5 x 10 m. (0.012 ha)

Environment (habitat): Open area with SE exposure. Pasture or extensive kept meadow close to edge of spruce forest. This location in fact is no longer on the edge of spruce forest after cutting down some big spruces during some last years.

Condition: This *Pyrola* location is disappearing overgrown by toll grass.

Care:

GPS-coordinates: 59°59'47.92"N 10°45'33.00"E

[Pyrola-Maridalen](#)

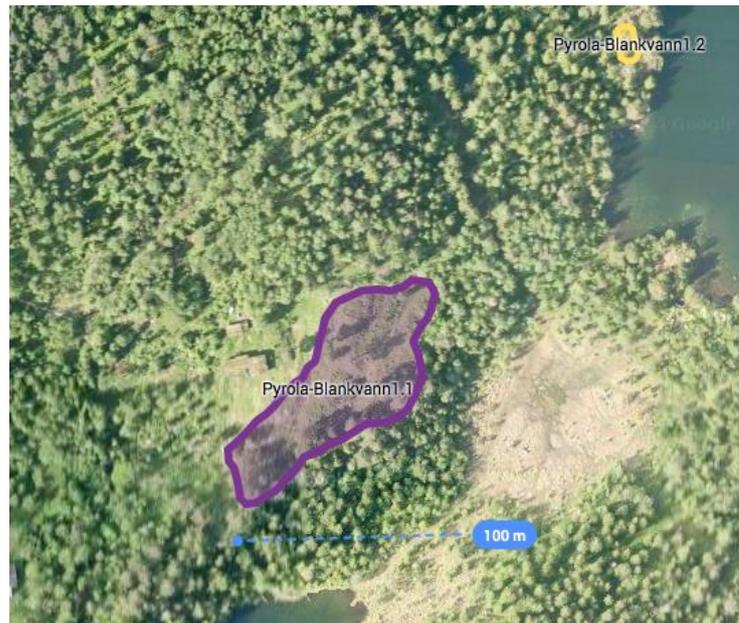
Date of watch: 11.07.2018

Owner:

Photos:

Observer: R. Gramsz

Nordmarka. Blankvann.



Map 1. Locations Pyrola-Blankvann 1.1 and Pyrola-Blankvann 1.2.

Location: Nordmarka. Blankvann 1.1 (top of a hill)

Individuals: ca. >500 (60 flowering specimens)

Area: 80 x 130m (0.442 ha)

Environment (habitat): Open surroundings of a cabin on the hill top. Mostly grassland on a shallow and rocky but fertile soil. Because of a very hot and dry weather all vegetation was low and dispersed. With other species: *Anemone nemorosa*, *Briza media*, *Calamagrostis arundinacea*, *Convallaria majalis*, *Dryopteris filix-mas*, *Epipactis atrorubens* cfr., *Fragaria vesca*, *Galium boreale*, *Gymnadenia conopsea*, *Hepatica nobilis*, *Hieracium sect. hieracium*, *Juniperus communis*, *Listera ovata*, *Orthilia secunda*, *Pinus sylvestris*, *Polygala vulgaris*, *Potentilla erecta*, *Pyrola chlorantha*, *P. minor*, *P. rotundifolia*, *Rubus* sp., *Solidago virgaurea*, *Sorbus aucuparia*, *Vaccinium myrtillus*, *Vaccinium vitis-idaea*, *Viola* sp.

Condition: *Pyrola media* is growing in (about 10) concentrations, with a few to dozen or so flowering plants in each concentration. Plants were in the beginning of blooming at 13.06 and they were finishing blooming at a day of counting 5.07 – very early this year. Proportion between flowering rosettes and vegetative were counted in concentration on the top of a hill, close to flag mast: 29/206. So to estimate number of all individuals I use proportion 1:7.1. In the rest of concentrations I was counting only flowering individuals. There were 60 flowering individuals on whole location.

Pyrola chlorantha which is growing in the same area was in full blooming already in 13.06.
(only 8 blooming individuals)

GPS-coordinates: 60° 1'24.87"N 10°39'44.16"E [Pyrola-Blankvann1.1](#)

Date of watch: 13.06; 5.07.2018

Photos: R. Gramsz

Observer: R. Gramsz



Photo 1. Location Blankvann 1.1. *Pyrola media* concentration on the top of a hill. 5.07.2018.



Photo 2. Due to the heat and drought the plants are not very impressive and in the end of blooming at a day of observation. 5.07.2018.



Photo 3. *Pyrola chlorantha* in full blooming but very small this year. 13.06.2018.

Location: Nordmarka. Blankvann 1.2 (close to lake)

Individuals: 21 (1 flowering specimen)

Area: 6 m x 12 m (0.017 ha)

Environment (habitat): *Pyrola media* grows on shady slope (slope of 45 degrees, the eastern exposure) under spruce, 15-20 m from the lake shore. Habitat is homogeneous, but rather with a small amount of places to germination. Herb layer vegetation split into two sub-layers, the higher of *Calamagrostis*, and lower of *Pyrola*, *Vaccinium*, etc. *Calamagrostis* species is considered to be expansive, however its coverage area in this stand does not exceed 25%. With other species: *Anemone nemorosa*, *Calamagrostis arundinacea*, *Convallaria majalis*, *Calluna vulgaris*, *Gymnadenia conopsea*, *Hepatica nobilis*, *Hieracium sect. hieracium*, *Linna borealis*, *Melampyrum pratense*, *Potentilla erecta*, *Pteridium aquilinum*, *Rubus sp.*, *Solidago virgaurea*, *Sorbus aucuparia*, *Vaccinium myrtillus*, *Vaccinium vitis-idaea*, *Viola sp.* Trees and bushes: *Betula pubescens*, *Daphne mezereum*, *Juniperus communis*, *Picea abies*, *Pinus sylvestris*, *Sorbus aucuparia*

Condition: Only one flowering individual of *Pyrola media* was found close to footpath this year. Most of vegetative rosettes were found on Eastern slope of small mound – place were they usually grows.

Care:

GPS-coordinates: 60° 1'29.90"N 10°39'53.00"E

[Pyrola-Blankvann1.2](#)

Date of watch: 5.07.2018.

Owner:

Photos: R. Gramsz

Observer: R. Gramsz

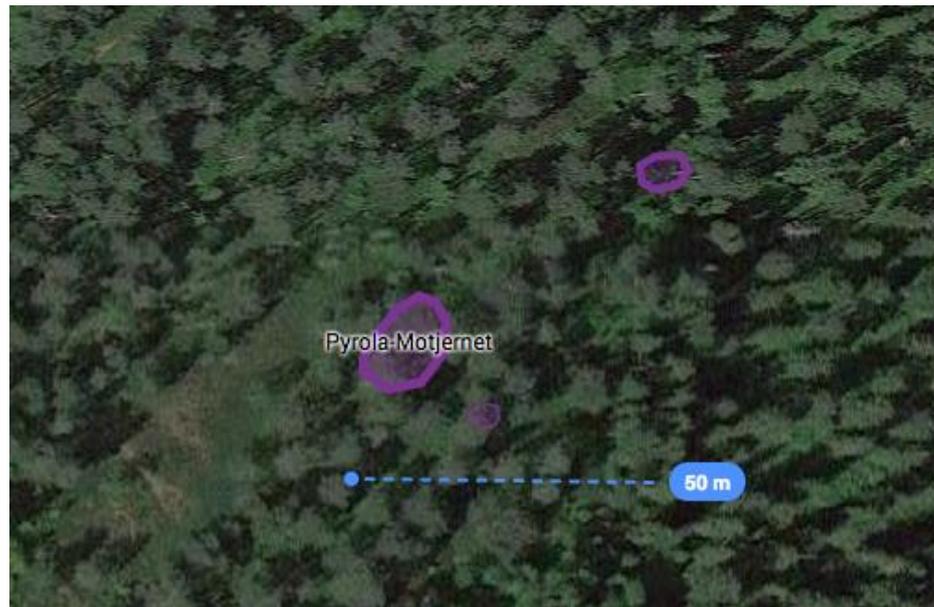


Photo 1. A View over location 1.2 close to Blankvann. 5.07.2018.



Photo 2. Some vegetative rosettes on Eastern slope of small mound. 5.07.2018.

Location: Nordmarka. Motjernet.



Individuals: ca. 500 (18 flowering specimens)

Area: 10 m x 20 (0.017 ha) + 5 x 5 m (0.005 ha) + 2 x 2 m

Environment (habitat): *Pyrola media* grows on open pine forest on a flat height between mire and small stream. This habitat creates spread old pines *Pinus sylvestris* (40% coverage) and *Calluna vulgaris* (15%) and *Vaccinium myrtillus* (80%), which dominate in herb layer. Trees and bushes: *Betula pubescens*, *Juniperus communis*, *Picea abies*, *Pinus sylvestris*, *Sorbus aucuparia*. With other species: *Dactylorhiza maculata*, *Empetrum nigrum*, *Linnaea borealis*, *Melampyrum pratense*, *Potentilla erecta*, *Vaccinium vitis-idaea*, .

Condition: *Pyrola media* grows in 2 concentrations (+ 1 very small, close to bigger one). Due to hot and dry weather plants were in the end of blooming period and barely seen. On smaller concentration all blooming and vegetative individuals have been counted – 6 blooming/ 66 vegetative. On bigger site only 12 blooming individuals were found but vegetative rosettes looks fresh. This location was not as dry as Blankvann 1.1.

Care:

GPS-coordinates: 60°1'49.10"N 10°38'53.80"E

[Pyrola-Motjernet](#)

Date of watch: 5.07.2018.

Owner:

Photos: R. Gramsz

Observer: R. Gramsz



Photo 1. Location Motjernet. 5.07.2018.



Photo 2. *Pyrola media* plants were at the end of blooming and even the blueberries were already ripe but small. 5.07.2018.