

Microstylis – 2020

2. Bakgrunn (data)

2.1. Latinsk navn (Latin name)

Microstylis monophyllos (L.) Lindley

A shoot with flowers or a vegetative form (usually only one small leaf) is regarded as individual.

2.2 Rødlistestatus (redlist status)

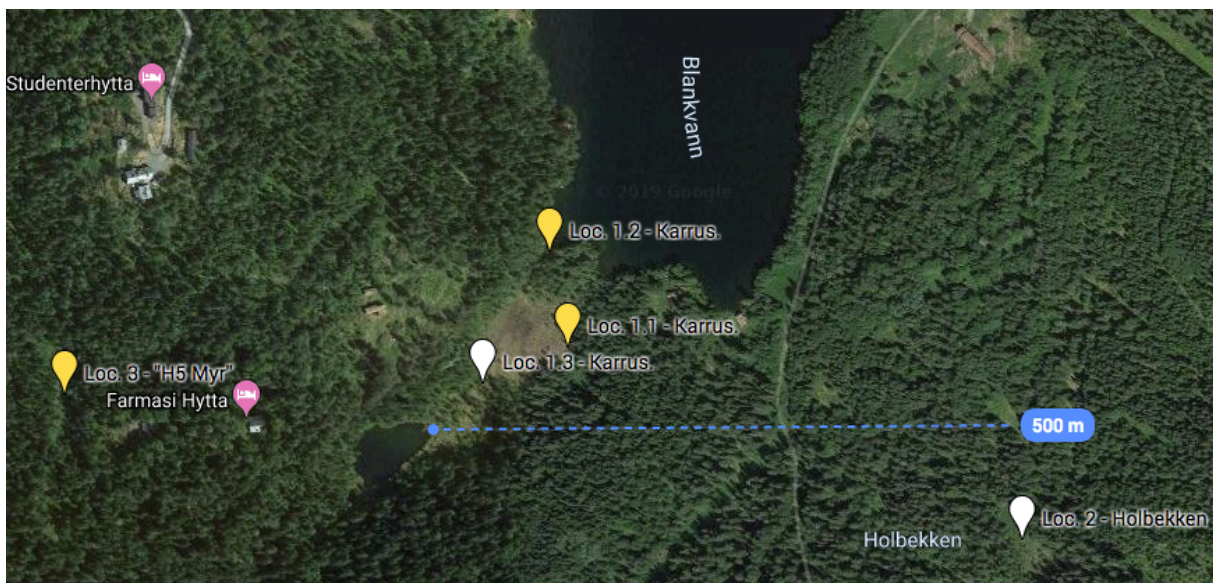
(Critically endangered)

2.3 Utbredelse (spreading/place)

Microstylis monophyllos occurs in Northern, Central and Eastern Europe as far West as C. Norway and C. Switzerland and southwards to Northern Italy and Southern Russia.

2.4 Lokalteter i Norge (locations in Norway)

2.4.1. Lokalteter i Oslo (locations in Oslo) - 3 known (Karrusputten, Holbekken, H5-Myr)



Map. *Microstylis* Blankvann 2020.

< 10 specimens (white)

11 – 50 specimens (yellow)

51 – 100 specimens (red)

> 100 specimens (violet)



Location: 1. Mire SW from Blankvann (Karrusputten)

In this mire (Karrusputten) after a very precise searching in a year 2009 - 3 stands with *Microstylis* were found. Stands are situated in the same mire but about 100 m apart from each other so they were described separately. In years 2010, 2011, 2012, 2013 and 2014 we did not find any individuals on stand no. 1.3. From year 2015 again few individuals each year could be found on that location. This year spring was rather dry and with some hot days but the rest of summer was very wet and relatively cold. In the beginning of July plants were already in full blooming period.

Location: 1.1 Karrusputten, (Eastern part of a mire close to ski trail.)



Individuals: 46 (30 blooming + 16 vegetative)

Area: ca. 10 x 40 m (0.032 ha)

Environment (habitat): Eastern part of mire, rich fen, with dominant *Carex lasiocarpa* and *Menyanthes trifoliata*. Site is on a ski trail, sometimes used in summer as a footpath and spread 20 m to the North East and South West from ski trail. It was relatively wet this year – the water filled the depressions and slowly flowed through the mire. With other species: *Comarum palustre*, *Filipendula ulmaria*, *Potentilla erecta*, *Triphorum alpinum*, *Eriophorum latifolium*, *Dactylorhiza incarnata*, *D. traunsteineri*, *Drosera rotundifolia*, *D. anglica*

Condition: It was a full blooming period in the beginning of July. Plants distribution on this site was similar like last year. As usually most plants were found in already known from last year concentrations. It was 9 concentrations with 1 – 10 individuals. Most of blooming plants were 5 – 10 cm high and only few 15 cm.

GPS-coordinates: 60° 1'24.49"N 10°39'53.37"E

Date of watch: 4.07.2020.

Photos: Roman Gramsz **Observer:** Roman Gramsz



Photo 1. This blooming individuals are not higher than 5 cm. 4.07.2020.



Photo 2. The main part of location 1.1. 4.07.2020.

Location: 1.2 Karrusputten, (Northern side of a mire, close to Blankvann)



Individuals: 12 (8 blooming + 4 vegetative)

Area: ca. 8 x20 m (0.014 ha)

Environment (habitat): Northern edge of a mire, rich fen with domination of *Menyanthes trifoliata*. Site is on a ski trail just 5 m from the shore of Blankvann. With other species: *Bistorta vivipara* (*Polygonum viviparum*), *Carex flava*, *Carex nigra*, *Carex panicea*, *Comarum palustre*, *Drepanocladus* sp., *Equisetum palustre*, *Eriophorum latifolium*, *Filipendula ulmaria*, *Geum rivale*, *Menyanthes trifoliata*, *Molinia caerulea*, *Pedicularis palustris*, *Pinguicula vulgaris*, *Potentilla erecta*, *Salix* sp., *Trichophorum caespitosum*, *Triglochin palustre*, *Trollius europaeus*,

Condition. *Microstylis* was in full blooming period at a time of observation. The other vegetation was rather low but dense. I could found as last year only 5 concentrations with less individuals as last year. *Microstylis* plants were small (up to 15 cm) and all of them under cover of *Menyanthes trifoliata* leaves.

Care: This area has been overgrown with bushes and trees in recent years, causing more shade. This may be the reason for the decline in the number of *Microstylis* individuals on this surface.

So, in this year (27 – 29.08.2020.) bushes and trees were cut from main part of location and from 2 -3 m wide x 20 m long belt in the NW side of it. All the branches were removed from the surface and a footbridge was laid out of the thicker trunks in the place where tourists often passed.

GPS-coordinates: 60° 1'27.12"N 10°39'52.40"E

Date of watch: 4.07; 27-29.08.2020.

Photos: Roman Gramsz, **Observer:** Roman Gramsz

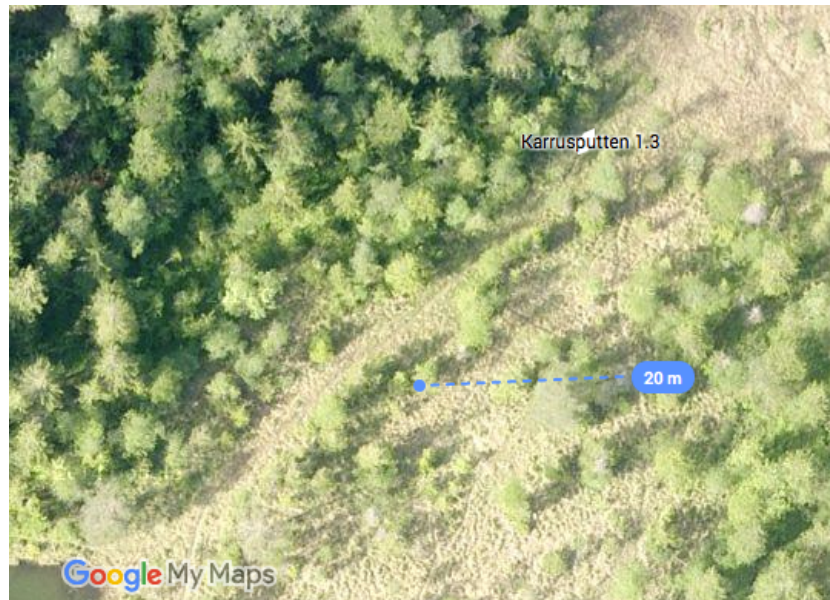


Photo 1. Only 5 concentrations and less of *Microstylis* individuals this year. 4.07.2020.



Photo 2. Location 1.2, photo taken after the shading bushes and trees were removed. 29.08.2020.

Location: 1.3 Karrusputten, (Central part of a mire)



Individuals: 1 (1 vegetative)

Area: 3 m²

Environment (habitat): Central part of a mire, rich fen, with dominant *Carex lasiocarpa*. With other species: *Molinia caerulea*, *Menyanthes trifoliata*, *Filipendula ulmaria*, *Potentilla erecta*, *Carex rostrata*, *Eriophorum latifolium*, *Dactylorhiza incarnata*, *D. traunsteineri*, *Drosera rotundifolia*, *Pyrola rotundifolia*, *Polygonum viviparum*...

Condition: Site is along a footpath – ca. 20 - 50 cm West from footpath axis. Only 1 vegetative plant was found.

Care:

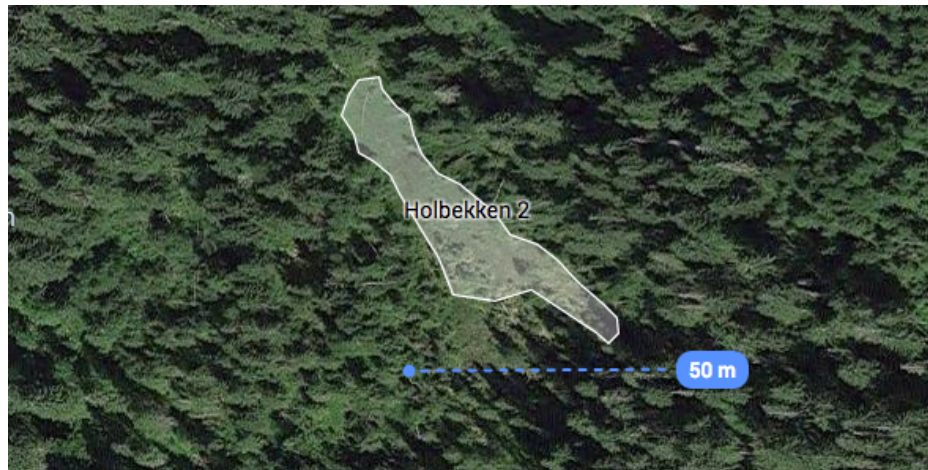
GPS-coordinates: 60° 1'23.81"N 10°39'48.95"E

Date of watch: 4.07.2020.

Photos:

Observer: Roman Gramsz

Location: 2. Holbekken,



Individuals: 3 (3 blooming)

Area: ca. 10 x 60 m (0.083 ha)

Environment (habitat): The mire, rich fen (H₄ on vegetation map) on a left side of Holbekken, on a ski trail. Site is along a footpath (ski trail in winter). With dominant *Menyanthes trifoliata* and *Eriophorum latifolium* and another species: *Carex flava*, *Carex rostrata*, *Crepis paludosa*, *Equisetum silvaticum*, *Pedicularis palustris*, *Pinguicula vulgaris*, *Polygonum viviparum*, *Potentilla erecta*, *Trichophorum caespitosum*, *Salix sp.* ...

Condition: Only 3 small blooming plants were found in lower part of mire along small stream down there. It's very wet on the mire. No individual was found in central part of mire. Blooming plants were 3 -10 cm high.

Care:

GPS-coordinates: 60° 1'19.50"N 10°40'18.00"E

Date of watch: 15.07.2020.

Owner:

Photos: Roman Gramsz

Observer: Roman Gramsz

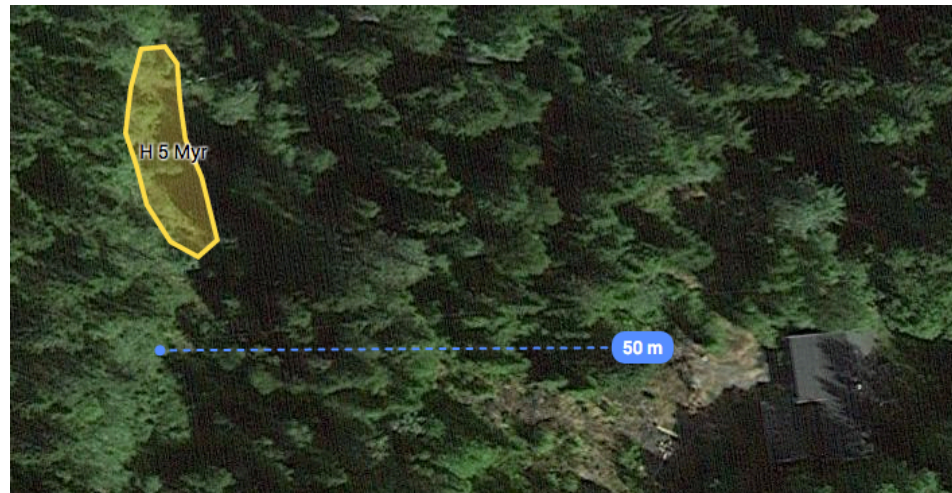


Photo 1. Central part of mire without *Microstylis* individual. 15.07.2020.



Photo 2. Only in lower part of mire 3 blooming individuals were found. 15.07.20120.

Location: 3. "H₅ Myr"



Individuals: 19 (5 blooming + 14 vegetative)

Area: ca. 10 x 30m (0.015 ha)

Environment (habitat): A small (ca. 20 x 80m) mire, rich fen (H₅ on vegetation map) overgrown by bushes on sides (*Alnus glutinosa*, *Alnus incana*, *Picea abies*, *Betula pubescens*) with open central part. With: *Carex lasiocarpa*, *Carex flava*, *Carex pauciflora*, *Carex rostrata*, *Dactylorhiza maculata*, *Dactylorhiza traunsteineri* cfr., *Eriophorum latifolium*, *Equisetum sylvaticum*, *Filipendula ulmaria*, *Menyanthes trifoliata*, *Molinia caerulea*, *Pedicularis palustris*, *Pinguicula vulgaris*, *Trichophorum alpinum*, *Trichophorum caespitosum*, *Vaccinium oxycoccos*

Condition: Surface of mire is very wet as last year. A little more plants were found this year in the central part of location but nothing a few meters to the South from the center. Plants were in full blooming but rather small 5 – 15 cm.

Care:

GPS-coordinates: 60°1'23.10"N 10°39'25.40"E

Date of watch: 10.07.2020.

Owner:

Photos: Roman Gramsz

Observer: Roman Gramsz



Photo 1. Location "H₅ Myr" with marked *Microstylis* concentrations. 10.07.2020.



Photo 2. It was more vegetative plants this year. 10.07.2020.