

Microstylis – 2019

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)

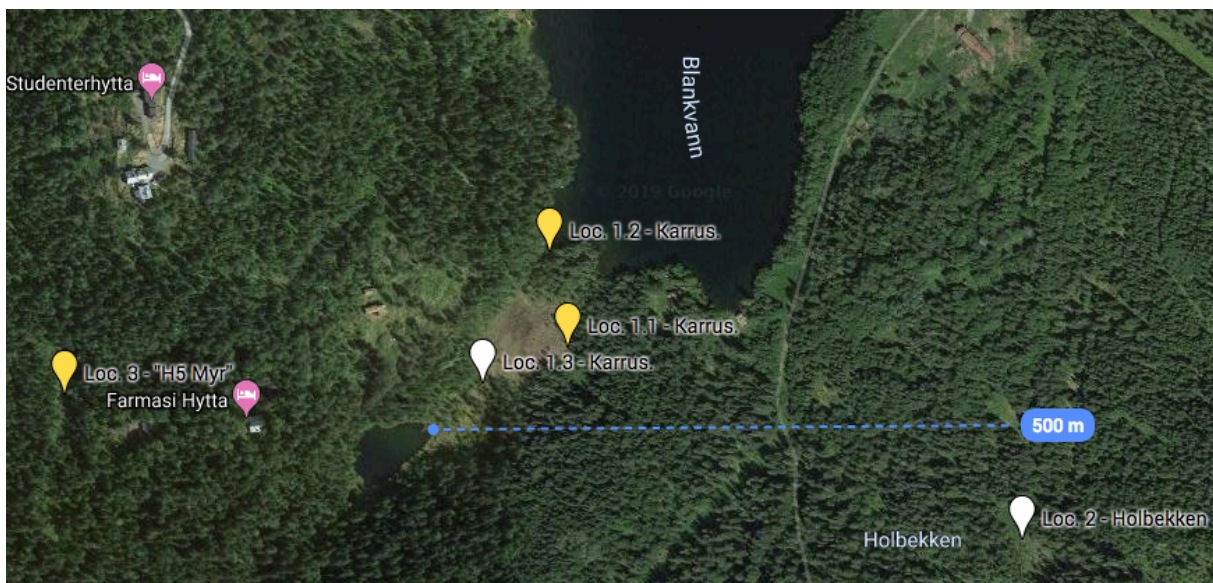
(Critically endangered)

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 2019.

< 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 found any individuals on stand no. 1.3. From year 2015 again few individuals each year could be found on that location. This summer was very wet and relatively cold. In the middle of July was the beginning of flowering.

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



Individuals: 40 (22 blooming + 18 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: Blooming period start in the second decade 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 10 concentrations with 1 – 5 individuals. Most of blooming plants were 5 – 15 cm high and only few quite big (25 cm).

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

Date of watch: 27.06; 13.07; 14.07.2019.

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



Photo 1. Concentration of few biggest, blooming individuals. 13.07.2019.



Photo 2. The main part of location 1.1. 13.07.2019.

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



Individuals: 14 (10 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: Location very wet, small stream flowing in the middle. Blooming period starts in the second decade of July this year. I could find only 5 concentrations with similar number of individuals as last year – less than it was before. *Microstylis* plants were small (up to 15 cm) and all of them under cover of *Menyanthes trifoliata* leaves.

Care: Seems that cutting the bushes on the location and in the close surroundings is necessary as soon as possible. Shading can be the main reason for the decreasing number of *Microstylis*.

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

Date of watch: 27.06; 13.07; 14.07.2019.

Photos: Roman Gramsz

Observer: Roman Gramsz

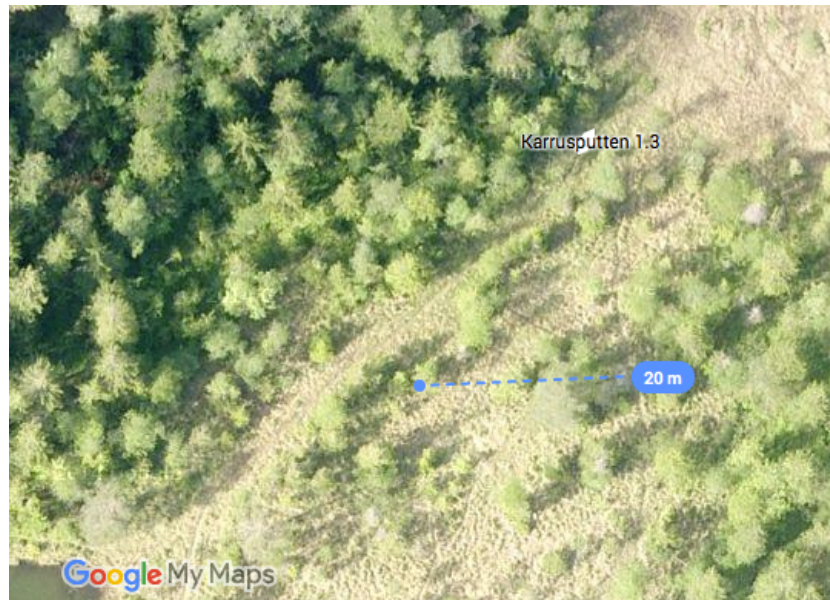


Photo 1. Only 5 concentrations of *Microstylis* this year. 14.07.2019.



Photo 2. Location 1.2, photo taken from the lake side. A strip of thickets and trees about 2-5 m wide and about 30 m long should be cut to give more light to this location. 14.07.2019.

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



Individuals: 2 (1 blooming + 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 2 plants were found – a vegetative one and very small flowering. Less plants than last year.

Care:

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

Date of watch: 14.07.2019.

Photos: Roman Gramsz

Observer: Roman Gramsz

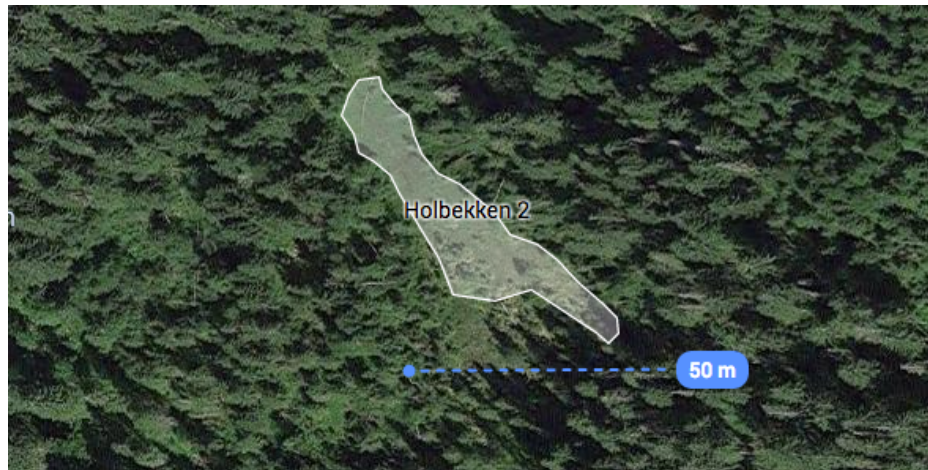


Photo 1. Location 1.3 with 2 *Microstylis* marked with white chit. 14.07.2019.



Photo 2. Very small blooming individual (left from small white piece of paper) 14.07.2019.

Location: 2. Holbekken,



Individuals: 6 (3 blooming + 3 vegetative)

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: It's very wet on the mire. *Microstylis* is in the beginning of blooming. I could not found usually numerous concentration of *Microstylis* in lower part of mire and only few plants along small stream down there. One small blooming 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: 13.07.2019.

Owner:

Photos: Roman Gramsz

Observer: Roman Gramsz

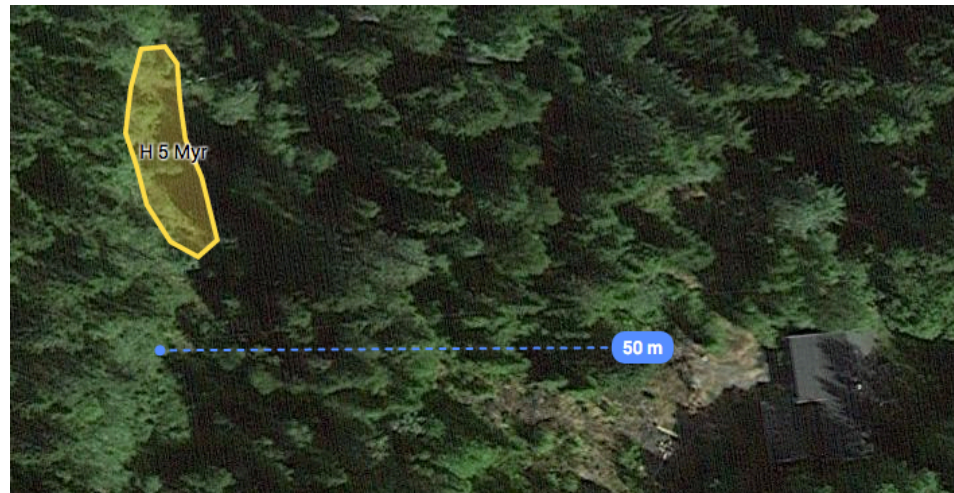


Photo 1. Central part of mire with only 1 marked *Microstylis* individual. 13.07.2019.



Photo 2. Small blooming individual found in central part of mire. 13.07.2019.

Location: 3. "H₅ Myr"



Individuals: 18(7 blooming + 11 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 more wet than usually and more plants were found this year. Plants were in full blooming and some of blooming plants were very big - up to 30 cm.

Care:

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

Date of watch: 13.07.2019.

Owner:

Photos: Roman Gramsz

Observer: Roman Gramsz



Photo 1. Location "H₅ Myr" with marked *Microstylis* concentrations. 13.07.2019.



Photo 2. Quite big blooming specimen ca. 30 cm high. 13.07.2019.