

## Microstylis - 2011

### 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)

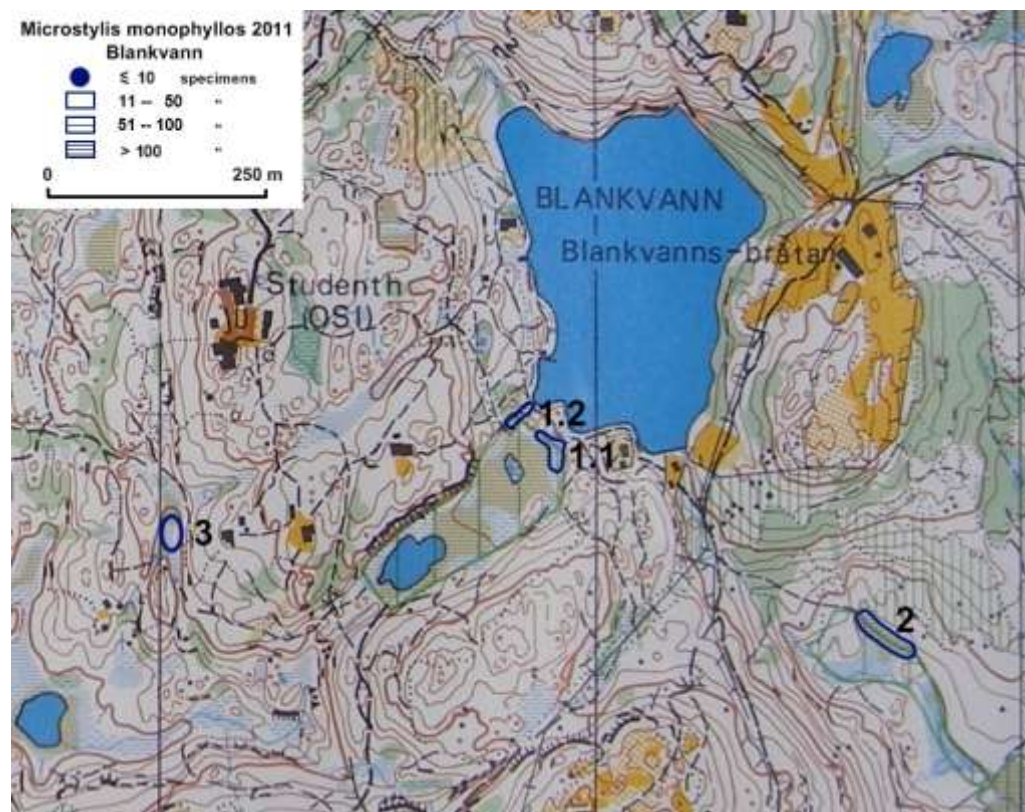
*Microstylis monophyllos* occurs in Northern, Central and Eastern Europe as far West as C. Norway and C. Switzerland and southwards to Northern Italy and Southern Russia.

#### 2.4 Lokalteter i Norge (locations in Norway)

##### 2.4.1. Lokalteter i Oslo (locations in Oslo)

3 known

## Blankvann - 2011



**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 a years 2010 and 2011 stands no 1.1 and 1.2 were confirmed but we did not found any individuals on stand no 1.3. In this year (2011) one flowering individual was found between stands 1.1 and 1.2 and we add it to stand 1.1.

**Location: 1.1 Karrusputten,** (Eastern and central part of a mire along a ski trail.)

**Individuals:** 17 (15 blooming + 2 vegetative)

**Area:** ca 5 x 80 m

**Environment (habitat):** Eastern and central part of a mire, rich fen with dominant *Carex lasiocarpa* and *Menyanthes trifoliata*. Site is on a ski trail, sometimes used in summer as a foot path. With other species: *Comarum palustre*, *Filipendula ulmaria*, *Potentilla erecta*, *Triphorum alpinum*, *Eriophorum latifolium*, *Dactylorhiza incarnata*, *D. traunsteineri*, *Drosera rotundifolia*, *D. anglica*

**Condition:** 15 blooming and 2 vegetative individuals were found. Most of plants growing on the same places as last years were found( not everyone). But we have found new places with new plants. Some of them grows along ski trail, one as far as 50 m from main location "1.1". So, we extend this location along ski trail. Blooming individuals were usually 10 – 20 (25) cm high.

**Care:**

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

[Microstylis-Karrusputten1.1.kmz](#)

**Date of watch:** 18.07.2011

**Owner:**

**Photos:** R. Gramsz

**Observer:** Roman Gramsz, Joanna Potocka,

Phot.1. Main area of location 1.1, close to eastern side of Karrusputten. 18.07.2011



Phot.2. 3 blooming *Microstylis* on location 1.1. 18.07.2011



Phot.3. A new found indywidual on a ski trail between locations 1.1 and 1.2. 18.07.2011





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

**Individuals:** 35 (23 flowering + 12 vegetative)

**Area:** ca 50 m<sup>2</sup>

**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:** There is more individuals than last years. Apart plants growing on the same places as last years we have found more individuals from new places within the same location "1.2". Also a number of vegetative plants (12) is interesting. Blooming individuals (23) were usually 5 – 15 cm high.

**Care:**

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

[Microstylis-Karrusputten1.2.kmz](#)

**Date of watch:** 30.06.; 18.07.2011

**Owner:**

**Photos:** R. Gramsz

**Observer:** Roman Gramsz, Joanna Potocka

Phot.1. Location 1.2. 18.07.2011



Phot.2. Blooming and vegetative individuals. 18.07.2011



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

**Individuals:** not found

**Area:**

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

**Condition:**

**Care:**

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

[Microstylis-Karrusputten1.3.kmz](#)

**Date of watch:** 30.06; 16.07; 18.07.2011

**Owner:**

**Photos:**

**Observer:** Roman Gramsz, Joanna Potocka

**Location: 2. Holbekken,**

**Individuals:** 16 (8 flowering + 8 vegetative)

**Area:** ca 5 x 60 m

**Environment (habitat):** A mire, rich fen (H<sub>4</sub> on vegetation map) on a left side of Holbekken, on a ski trail. Site is along a foot path (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:** More individuals than last years were found. The same 2 flowering individuals + 1 vegetative were found in quite wet, central part of a mire, close to foot path. Much more plants were found in lowest part – where small stream flow out of mire.

**Care:**

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

[Microstylis-Holbekken2.kmz](#)

**Date of watch:** 20.07.2011

**Owner:**

**Photos:** R. Gramsz

**Observer:** Roman Gramsz, Joanna Potocka



Phot.1. Central part of a mire. 20.07.2011



Phot.2. Lowest part of a mire with concentration of *Microstylis*. 20.07.2011



Phot.3. New found site with at least 4 visible on picture blooming *Microstylis*. 20.07.2011



**Location: 3. "H<sub>5</sub> Myr"**

**Individuals:** 34 (19 flowering + 15 vegetative)

**Area:** ca 10 x 30m

**Environment (habitat):** A small (ca 20 x 80m) mire, rich fen (H<sub>5</sub> 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:** Plants are numerous at relatively small area in central part of the mire but flowering individuals are rather small 5(or even 3 cm) – 10 cm high. Also only few plants have been seen fruiting. Some of plants seems to be eaten or trampled by animals. In this year as much as 15 vegetative individuals (one small, single leaf without flower) have been found.

**Care:**

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

[Microstylis-H5Myr3.kmz](#)

**Date of watch:** 21.07.2011

**Owner:**

**Photos:** R. Gramsz

**Observer:** Roman Gramsz, Joanna Potocka



Phot.1. Central part of the mire with mark concentrations of *Microstylis*. 21.07.2011



Phot.2. Vegetative and blooming individual with broken blooming stem – eaten or trampled by animals? 21.07.2011





Phot.3. Known from last year blooming and vegetative individuals on mark cluster.  
21.07.2011



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We were continue looking for *Microstylis monophyllos* also in other mires but it has **not been found**.

Most of examined mires are very small and without names. To describe their location we use Geographical coordinates (usually the middle of a mire). The following mires were examined this year 2011:

- Mires close to Myras and Svartor which have not been examined last year.

- 60° 1'45.35"N 10°39'24.83"E

- 60° 1'35.93"N 10°39'21.53"E

- Mires in Mollomkollen area:

- 60° 3'18.53"N 10°46'3.46"E ( most promising mire, two open areas on a slope, rich fen with *Carex buxbaumi*)

- 60° 3'0.06"N 10°46'36.69"E

- 60° 2'52.96"N 10°47'4.76"E – complex of mires Sjuputtmyra

- 60° 2'46.62"N 10°47'37.16"E

- Mires in NW part of Sørbråta - 60° 2'32.86"N 10°48'9.55"E

- Mires in Finntjern region:

- mires on both sides of the road to Finntjern – Damputtane; Østre, Vestre, Maste Putten...

- mires along ski trail – Damputtane- Fallgardspotten-Finntjern (60° 3'46.37"N 10°46'33.52"E – center of mires with *Nartheicum ossifragum*)

- Mires in Kalvsoen area:

- 60° 3'51.81"N 10°44'37.80"E – bogs,

- 60° 3'59.55"N 10°44'59.96"E – rich fens on E slope