

Dracocephalum ruyschiana – 2019



2.1. Latinsk navn (Latin name)

Dracocephalum ruyschiana L.

As **individual** we treat a tuft (cluster, or – ecological term – ramet) with shoots growing visibly from one place.

Juvenile individual - if a lot of young plants are spread evenly without creating visible tufts we treat area of 25 cm² as an individual.

Old desintegrating tufts are counted as more than one individual if it covers more than 25 cm².

2.2 Rødlistestatus (redlist status)

Sårbar. (Vulnerable)

2.3 Utbredelse (spreading/place)

The species is found from the Oslofjord to Gudbrandsdalen. Norway has the main population in North-western Europe. Eastern and Central Europe and western and central Asia, extending locally westwards to Norway and the Pyrenees.

2.4 Lokalteter i Norge (locations in Norway)

2.4.1. Lokalteter i Oslo (locations in Oslo)

30 locations are known, of which 13 (+ 4 new!) were observed in 2019.

On the maps depending on the number of individuals locations are color-coded:

< 10 specimens (white); 11 – 100 specimens (yellow); 101 – 300 specimens (red);

> 300 specimens (violet)

Note.

Due to the need to engage in conservation activities for *Luronium natans*, annual monitoring of *Dracocephalu ruyschiana* was not carried out in the standard way.

I have carried out random observations on Bleikøya and Ekeberg and only in Heggholmen I conducted thorough observations and found there new location of this species near the main, known site and 3 new sites at Heggholmen Hill.

In Ekeberg :

I visited 2 locations Ekeberg 1 (A) and Ekeberg 2 (B) – Jomfrubråten.

Generally, it was a good year for *Dracocephalum* - the plants developed well and bloomed quite abundantly early, from the beginning of June.



Photo 1. Ekeberg 2 (B) – Jomfrubråten. Plants already start blooming on dry sunny places.
4.06.2019.

Bleikøya

8 of 10 localities at Bleikøya were in good condition. Plants were blooming abundantly in the first half of June. Only at location 3 (usually with only a few individuals) no *Dracocephalum* individuals were found and at location 6 there was much less *Dracocephalum* than in previous years.



Map 1. Localities on Bleikøya.

< 10 specimens (white); 11 – 100 specimens (yellow); 101 – 300 specimens (red);

> 300 specimens (violet)

HEGGHOLMEN – 2019



Location: Heggholmen 1

Individuals: ca. 220

Area: ca. 10 x15 m (0.026 ha)

Environment (habitat): SW part of the flat top of the hill. In thermophilous vegetation on shallow soil. With: ~~*Fraxinus excelsior*, *Sorbus aucuparia*~~, (unnecessarily cut 2 years ago) *Rosa* sp., *Berberis vulgaris* and *Allium vineale*, *Cotoneaster* sp., *Filipendula vulgaris*, *Fragaria vesca*, *Geranium sanguineum*, *Hylotelephium telephium* ssp. *maximum* (*Sedum telephium* = *Sedum maximum*) *Polygonatum odoratum*, *Sedum album*, , *Thymus pulegioides*, *Vincetoxicum rossicum*.

Condition: *Dracocephalum* plants were in good condition but plants were already in the end of blooming period. There were 42 tufts on western side of footpath (15 – 25 cm high) and 180 counted on eastern side (15 -25(40) cm). I estimate 80% plants were blooming. This location of *Dracocephalum* seems to be stable but plants grow still on the same area (without expanding).

Care: This area should be mowed by motor scythe once every 2 - 3 years after *Dracocephalum* seeds are ripen. The area was last mowed in August 2014.

GPS-coordinates: 59°52'55.90"N 10°42'42.10"E

SW part of Heggholmen, flat top of the hill and part of slope facing SW.

Date of watch: 22; 28.06.2019.

Owner:

Photos: R. Gramsz

Observer: R.Gramsz



Photo 1. Main (known) location in Heggholmen. 22.06.2019.



Photo 2. End of quite abundant blooming on main location on Heggholmen. 22.06.2019.

New localities at Heggholmen.

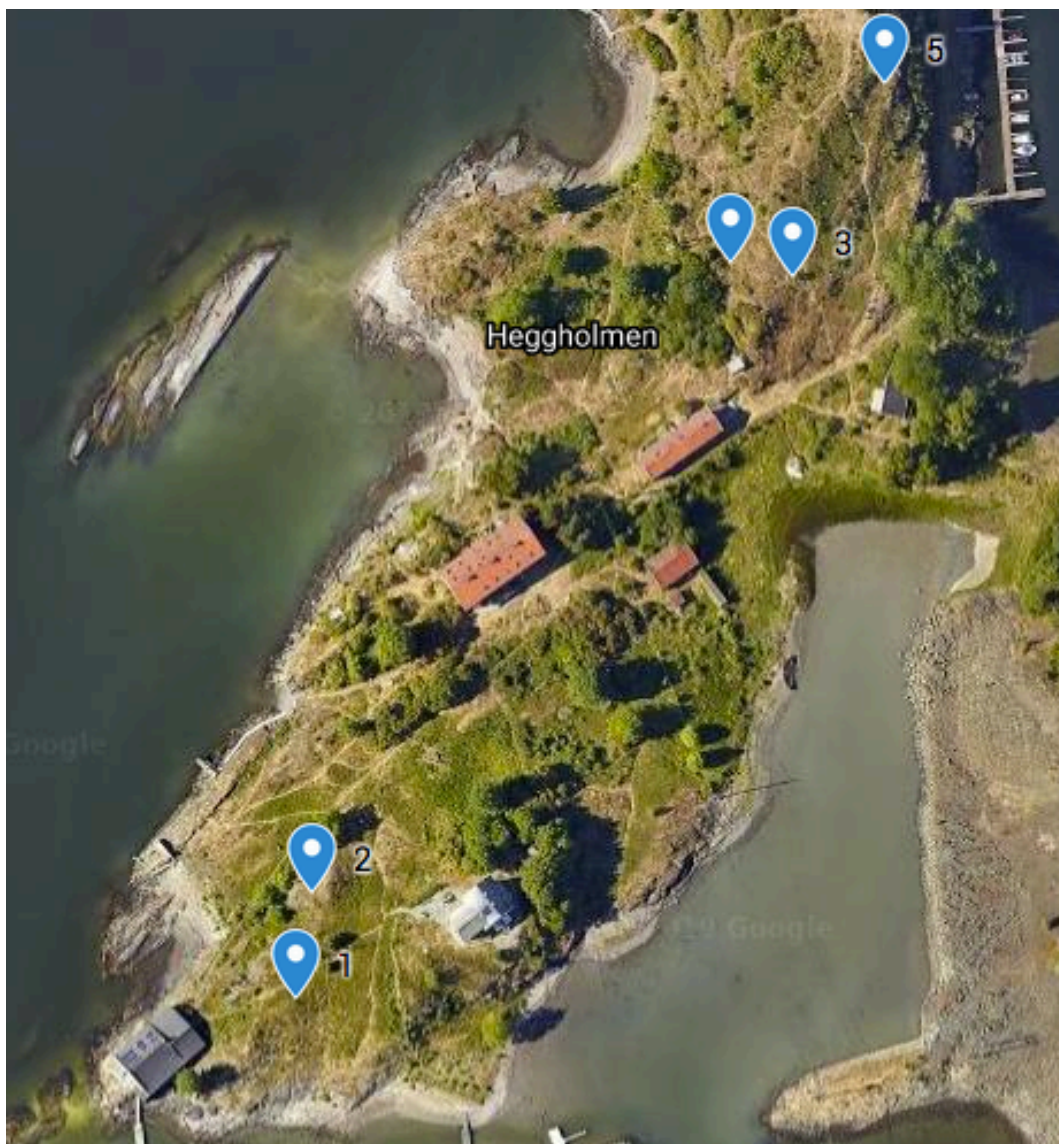
4 new localities were found on Heggholmen in 2019. *Dracocephalum* tufts were quite well developed 15 – 25 cm on all new locations, which means that the plants did not appear on these surfaces in 2019 but that they were observed for the first time this year. New location “2” is located 50 m from the main, known location and no “3”, “4” and “5” on Heggholmen Hill some 250 – 300 m from main location. See map 1.

Stand 2 covers an area of 3 x 3 m and consist of 15 tufts of *Dracocephalum*.

Stand 3 covers an area of 1 x 3 m and consist of 10 tufts.

Stand 4 covers an area of 1 x 2 m and consist of 3 tufts.

Stand 5 covers an area of 1 x 2 m and consist of 3 tufts.



Map 1. *Dracocephalum* localities at Heggholmen 2019.



Photo 1. New location 2, closest to main location. 22.06.2019.



Photo 2. New location 3, on Hegholmen Hill. 28.08.2019.



Photo 3. *Dracocephalum* plants, new localion 3 on Heggholmen Hill. 28.08.2019.