

Dracocephalum ruyschiana – 2022



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 disintegrating 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)

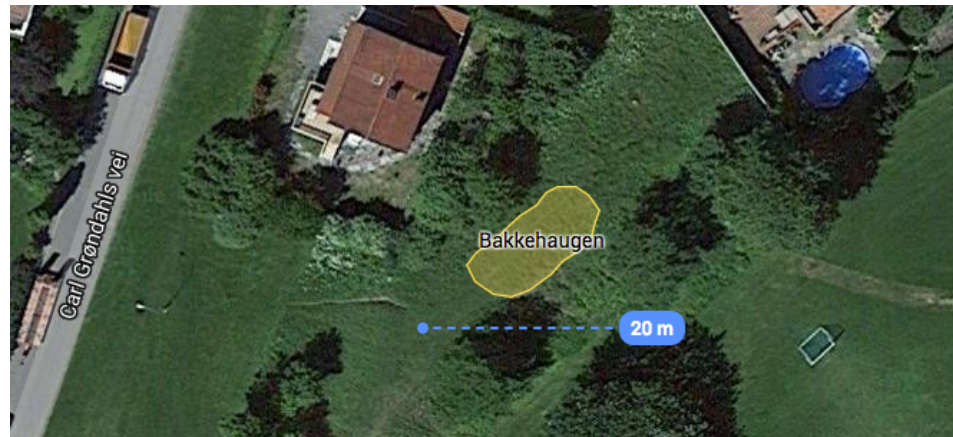
Now 30 locations observed.

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)

BAKKEHAUGEN – 2022



Location: Bakkehaugen

Individuals: ca. 25 (?)

Area: 5 x 10 m (potential area 20 x 100m)

Environment (habitat): *Dracocephalum* is growing on top of the ridge. Its slopes and top are not mowed frequently but the ridge is surrounded by lawns. Small ridge is covered by rich vegetation. There is rather meadow, than kind of vegetation, which is characteristic for *Dracocephalum* locations. For this reason it is difficult to see vegetative individuals. Trees and bushes: *Ulmus (glabra?)*. Herbaceous plants: *Agrostis capillaris*, *Allium oleraceum*, *Anthriscus sylvestris*, *Avenastrum pubescens*, *Campanula persicifolia*, *Campanula trachelium*, *Carex digitata*, *Dactylis glomerata*, *Daucus carota*, *Galium boreale*, *Galium verum*, *Geranium sanguineum*, *G. silvaticum*, *Knautia arvensis*, *Fragaria vesca*, *Festuca rubra*, *Plantago media*, *Polygonatum odoratum*, *Poa pratensis s. lato*, *Solidago virgaurea*, *Thymus pulegioides*, *Trifolium alpestre*, *Viscaria vulgaris*, *Rumex acetosa*,

Condition: *Dracocephalum* grows at the top of a small ridge among lush, low vegetation of a meadow character.

Plants were small and blooming very poorly. It was the end of blooming period.

Care: Bjørn Smevold from Norsk Botanisk Forening is taking care of this site.

I believe that this habitat is too fertile and humid for optimal development for *Dracocephalum*. Perhaps it would be beneficial for *Dracocephalum* to mow this area even twice a year, together with the removal of mown biomass. Since the area is small, at least the first mowing (in June) could be done without cutting the previously marked *Dracocephalum* tufts. After mechanical mowing, the areas around the *Dracocephalum* tufts can be cleaned by hand.

GPS-coordinates: 59°56'47.30"N 10°45'09.60"E

Date of watch: 9.07.2022

Photos: R. Gramsz **Observer:** R. Gramsz



Photo 1. Bakkehaugen. Lush vegetation overgrows *Dracocephalum*. 9.07.2022.



Photo 2. The best looking *Dracocephalum* among meadow vegetation. 9.07.2022

BLEIKØYA - 2022



Map. *Dracocephalum ruyschiana* - Bleikøya.

< 10 specimens (white)

11 – 100 specimens (yellow)

101 – 300 specimens (red)

> 300 specimens (violet)

Location: Bleikøya 1



Individuals: ca. 470

Area: ca. 100 x 60m, (0.6 ha)

Environment (habitat): Open top of a ridge and a slope facing South. Also in western very steep slope is a concentration of about 10 tufts and a few other plants are spread around. With other species: *Alchemilla* sp., *Allium vineale*, *Avenula pratensis* cfr., *Berberis vulgaris*, *Centaurea jacea*, *Centaurea scabiosa*, *Cotoneaster* sp., *Festuca rubra* cfr., *Filipendula vulgaris*, *Fragaria vesca*, *Fraxinus excelsior*, *Galium verum*, *Geranium sanguineum*, *Hylotelephium telephium* ssp. *maximum* (*Sedum telephium* = *Sedum maximum*), *Hypericum perforatum*, *Pimpinella saxifraga*, *Polygonatum odoratum*, *Potentilla argentea*, *Rumex acetosella*, *Sedum album*, *Thymus pulegioides*, *Veronica spicata*.

Condition: Vegetation on the surface, including *Dracocephalum*, is well developed but a little smaller this year. *Dracocephalum* was in full bloom in mid-June and about 50% were this year blooming.

Care: The entire area was mowed and the biomass removed at the end of August. The herbaceous vegetation on the fragments of the surface where the bushes were removed last year grew more luxuriantly.

GPS-coordinates: 59°53'26.52"N 10°44'33.99"E

Date of watch: 15,30.06., 22-26.08.2022.

Owner:

Photos: R. Gramsz

Observer: R. Gramsz



Photo 1. Top of the hill on Bleikøya1 location. Few best blooming tufts of *Dracocephalum*. 15.06.2022.



Photo 2. NE part of location 1 after removing the bushes last year. In this year whole location was mowed and the biomass removed at the end of August. 15.06.2022.

Location: Bleikøya 2



Individuals: ca. 300

Area: 40 x 30 m, (0.109 ha) (potential area 40 x 40 m)

Environment (habitat): Open top of a hill and a slope facing NWN and lower terrace on the East from top. With other species: *Acer platanoides*, *Alchemilla* sp., *Achillea millefolium*, *Allium vineale*, *Anthyllis vulneraria*, *Asplenium trichomanes*, *Avenula pratensis* cfr., *Berberis vulgaris*, *Centaurea jacea*, *Centaurea scabiosa*, *Cirsium vulgare*, *Convallaria majalis*, *Cotoneaster* sp., *Erysimum strictum* cfr., *Festuca ovina*, *Festuca rubra* cfr., *Filipendula ulmaria*, *Filipendula vulgaris*, *Fragaria vesca*, *Fragaria viridis*, *Fraxinus excelsior*, *Galium boreale*, *Galium verum*, *Geranium robertianum*, *Geranium sanguineum*, *Geum urbanum*, *Hepatica nobilis*, *Hieracium pilosella*, *Hylotelephium telephium* ssp. *maximum* (*Sedum telephium* = *Sedum maximum*), *Hypericum perforatum*, *Leucanthemum vulgare*, *Lonicera xylosteum*, *Origanum vulgare*, *Phydium spurium* (*Sedum spurium*), *Pimpinella saxifraga*, *Pastinaca sativa*, *Plantago media*, *Poa nemoralis*, *Polygonatum odoratum*, *Polypodium vulgare*, *Potentilla argentea*, *Rhamnus cathartica*, *Ribes alpinum* cfr., *Rosa* sp., *Rubus* sp., *Sedum album*, *Sorbus aucuparia*, *Sorbus domestica* cfr., *Syringa vulgaris*, *Thymus pulegioides*, *Trifolium alpestre*, *Verbascum* sp., *Veronica spicata*, *Viola tricolor*, *Viscaria vulgaris*

Condition: It was the end of the *Dracocephalum* flowering period while counting the plants - 30.06. This year only 20-30% of the population flourished. There were a lot of juvenile individuals in places. The size of tufts is on average 15 -20 (30) cm.

Care: The entire area was mowed and the biomass removed at the end of August

GPS-coordinates: 59°53'23.00"N 10°44'33.46"E

Date of watch: 15,29,30.06., 22-26.08.2022.

Photos: R. Gramsz,

Observer: R. Gramsz



Photo 1. Top of a ridge on location Bleikøya 2. 15.06.2022.



Photo 2. Top of a ridge on location Bleikøya 2. Photo taken from the opposite side of photo 1. 15.06.2022.

Location: Bleikøya 3



Individuals: 4

Area: 3 x 4 m, (0.001 ha)

Environment (habitat): Part of a beach used for boats storage and a rocky ledge about 50 m North from this already known location “3”. With: *Rosa sp.*, *Fragaria vesca*, *Fraxinus excelsior*, *Geranium sanguineum*, *Hylotelephium telephium ssp. maximum* (*Sedum telephium* = *Sedum maximum*), *Thymus pulegioides*, *Polygonatum odoratum* and the others.

Condition: Only 4 plants have been found along the path this year.

Care: Light mowing and removal of bush shoots was carried out at the end of August.

GPS-coordinates: 59°53'24.40"N 10°44'26.22"E

Under a footpath on the northern side of a place for boat storage in winter.

Date of watch: 15, 30.06., 24.08.2022.

Owner:

Photos: R. Gramsz

Observer: R. Gramsz



Photo 1. Location 3. Only 4 plants have been found along the path this year

Location: Bleikøya 4



Individuals: ca.180 (170 + 10)

Area: 100 (120) x 30m, (0.133 ha) + 5 x 5m, (0.005 ha)

Environment (habitat): The slope facing NW mostly overgrown by high bushes and trees (covering ca 50% - after some cutting in last two years). *Dracocephalum* grows rather sparsely both in the open area and under the bushes. Open area in “winter boat storage place” is included to the main location but another concentration, some 50 m apart is showed separately on the map. Bushes and low trees: *Fraxinus excelsior*, *Cotoneaster* sp., *Rosa* sp., *Juniperus communis*, *Crataegus* sp., *Pinus sylvestris* (several), *Rhamnus cathartica*, *Rosa* sp., *Sorbus aucuparia*, *Syringa vulgaris* (several); herbs: *Anthyllis vulneraria*, *Asplenium trichomanes*, *Avenula pratensis* cfr., *Berberis vulgaris*, *Briza media*, *Carex pallescens*, *Campanula rotundifolia*, *Centaurea jacea*, *Filipendula ulmaria*, *Filipendula vulgaris*, *Fragaria vesca*, *Galium verum*, *Geranium sanguineum*, *Hepatica nobilis*, *Inula salicina*, *Melilotus officinalis* cfr., *Origanum vulgare*, *Phydimus spurium* (*Sedum spurium*), *Pimpinella saxifraga*, *Plantago media*, *Polygonatum odoratum*, *Polypodium vulgare*, *Potentilla argentea*, *Prunella vulgaris*, *Sedum album*, *Solidago virgaurea*, *Thymus pulegioides*, *Veronica spicata*

Condition: About 50% of plants on location 4 were blooming this year and they were still in blooming at the end of June -30.06. The plants were quite large, 20 -25 (35) cm

Care: After felling trees and shrubs in last years a path of 2-3m in width was made through the surface and small clearings in the top part. These open areas should be maintained by annual mowing of suckers.

GPS-coordinates: 59°53'23.33"N 10°44'20.56"E

Date of watch: 15.30.06. 24.08.2022.

Owner:

Photos: R. Gramsz

Observer: R. Gramsz



Photo 1 Location 4, open area on a gentle NW slope 30.06.2022.



Photo 2. *Dracocephalum* on steep rock ledges on the western slope 30.06.2022.

Location: Bleikøya 5



Individuals: ca. 30

Area: 10 x 30 m, (0.043 ha)

Environment (habitat): Open ridge and a SE slope sparsely overgrown by bushes. With other species: *Achillea millefolium*, *Artemisia campestris*, *Berberis vulgaris*, *Centaurea jacea*, *Cotoneaster* sp., *Festuca rubra* cfr., *Fragaria vesca*, *Fragaria viridis*, *Galium verum*, *Geranium sanguineum*, *Geum urbanum*, *Hylotelephium telephium* ssp. *maximum* (*Sedum telephium* = *S. maximum*), *Origanum vulgare*, *Phydymus spurius* (*Sedum spurius*), *Plantago media*, *Polygonatum odoratum*, *Prunus spinosa*, *Rosa* sp., *Thymus pulegioides*, *Trifolium arvense*, *Trifolium pratense*, *Veronica spicata*

Condition: In recent years (as of 2018) there is a much smaller number of *Dracocephalum* in this location than, for example, 10 years ago. (150 individuals in 2012). This year I found only 10 individuals on the main part of the surface and 20 at the entrance from the main path. During the observation, the flowering was already over, 30% of the plants were blooming and the tufts grew up to 20 cm.

Care: Cleaning of the surface from *Phedymus spurius* continued this year.

(This site can be treated as a little “bushy” one. *Dracocephalum* plants are growing quite well here, so let it be a “bushy” site on SE slope on Bleikøya. Another “bushy” site is no 4 but on NW slope. That treatment gives a better diversity of habitats in all locations on Bleikøya.)

GPS-coordinates: 59°53'18.52"N 10°44'12.15"E

Top of the hill with the war monument and S and SE slope

Date of watch: 15, 30.06.2022.

Photos: R. Gramsz

Observer: R. Gramsz



Photo 1. Part of the area near the path. There are 20 *Dracocephalum* plants. 30.06.2022.



Photo 2. Rocky slope - the main part of location 5. 30.06.2022.

Bleikøya 6a



Individuals: Ca. 130

Area: 5 x 15 m, (0.010 ha)

Environment (habitat): On the open slope facing South , on shallow stony soil. With other species: *Allium vineale*, *Anthyllis vulneraria*, *Artemisia campestris*, *Avenula pratensis* cfr., *Centaurea jacea*, *Cotoneaster* sp., *Festuca ovina*, *Filipendula vulgaris*, *Fragaria viridis*, *Galium verum*, *Geranium sanguineum*, *Hepatica nobilis*, *Hylotelephium telephium* ssp. *maximum* (*Sedum telephium* = *Sedum maximum*), *Hypericum perforatum*, *Hypochoeris maculata* cfr., *Jovibarba sobolifera*, *Origanum vulgare*, *Pimpinella saxifraga*, *Polygonatum odoratum*, *Potentilla argentea*, *Sedum album*, *Solidago virgaurea*, *Syringa vulgaris*, *Thymus pulegioides*, *Trifolium arvense*, *Veronica spicata*, *Viscaria vulgaris*

Condition: *Dracocephalum* plants were in the end of blooming period at the time of observation. The number of individuals is starting to return to "normal" on this surface. There were still quite a few juveniles on the main section and two increasing concentrations on the E side of the path.

Care: Bushes were trim a little + removal of *Phedimus spurius* and *Syringa vulgaris* suckers

GPS-coordinates: 59°53'16.97"N 10°44'5.59"E

Date of watch: 15,29.06. , 24.08.2022.

Owner:

Photos: R. Gramsz

Observer: R. Gramsz



Photo 1. Location Bleikøya 6a. 15.06.2022.



Photo 2. There are two growing clusters on the N side of foot path. 29.06.2022.

Location: Bleikøya 7



Individuals: Ca. 95

Area: 30 x 40m, (0.080 ha)

Environment (habitat): On the open ridge and slope facing south, on shallow stony soil. With other species: *Alchemilla* sp., *Allium vineale*, *Anthyllis vulneraria*, *Artemisia campestris*, *Astragalus gliciphyllus*, *Campanula rotundifolia*, *Cerastium* sp., *Centaurea jacea*, *Centaurea scabiosa*, *Erysimum strictum* cfr., *Festuca ovina*, *Filipendula vulgaris*, *Fragaria vesca*, *Fraxinus excelsior*, *Galium verum*, *Geranium sanguineum*, *Hieracium pilosella*, *Inula salicina*, *Origanum vulgare*, *Phedimus spurius* (*Sedum spurius*), *Pimpinella saxifraga*, *Plantago media*, *Polygonatum odoratum*, *Rhamnus cathartica*, *Rosa* sp., *Sedum album*, *Solidago virgaurea*, *Sorbus hybrida*, *Syringa vulgaris*, *Thymus pulegioides*

Condition: *Dracocephalum* is in the end of flowering period (29.06). Plants are not very high, tufts up to 20 cm high and 50% was blooming. The surface requires the removal of *Syringa vulgaris* bushes and suckers, mainly in S part of the plot, and the removal of *Vincetoxicum rosicum* and *Phedimus spurius*.

Care: Bushes and lilac shrubs were cut. *Vincetoxicum rosicum* and *Phedimus spurius* were pulled out of the ground.

GPS-coordinates: 59°53'16.23"N 10°44'2.88"E

Date of watch: 15,29.06. , 24.08.2022.

Photos: R. Gramsz

Observer: R. Gramsz

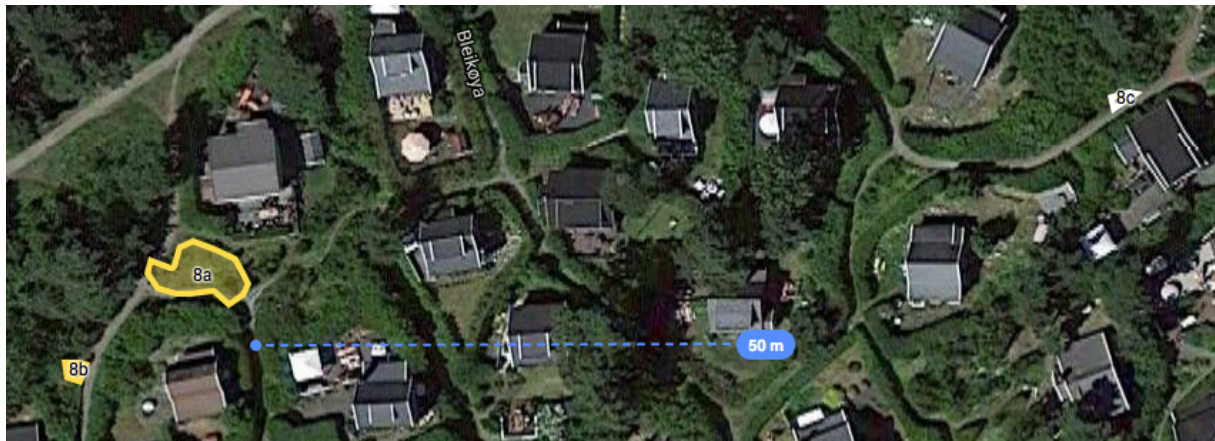


Photo 1. View over main part of location Bleikøya 7. 15.06.2022.



Photo 2. *Dracocephalum* is the most abundant in this fragment of location 7. 15.06.2022.

Location: Bleikøya 8



Individuals: ca. 77 (57 +16+ 4)

Area: 4 x 6 m, (0.005 ha) + 2 x 4 m, (0.001 ha) +(new from 2013) 2 x 3 m

Environment (habitat): In a line of bushes aside foot path – 3 places. With other species: *Anthyllis vulneraria*, *Avenula pratensis* cfr., *Berberis vulgaris*, *Cotoneaster* sp., *Festuca ovina*, *Filipendula vulgaris*, *Fragaria vesca*, *Galium verum*, *Geranium sanguineum*, *Hylotelephium telephium* ssp. *maximum* (*Sedum telephium* = *Sedum maximum*), *Juniperus communis*, *Plantago media*, *Rhamnus cathartica*, *Syringa vulgaris*, *Thymus pulegioides*

Condition: All 3 sub locations looks very nice. *Dracocephalum* was after blooming period (30.06) and only about 30% were blooming. There were more plants than last year.

Care: The residents look after these locations. They enlarged areas 8b and 8c and I mowed location 8a and 8b in this year.

GPS-coordinates: 59°53'20.62"N 10°44'22.02"E

Between houses no. 40 and 42, and the toilet.

New place along main path: 59°53'21.4"N 10°44'28.7"E

Date of watch: 15,30.06. , 24.08.2021. (mowing)

Owner:

Photos: R. Gramsz

Observer: R. Gramsz



Photo1. Location Bleikøya 8a - bigger place. 15.06.2022.



Photo 2. Location Bleikøya 8b - smaller place. 15.06.2022.



Photo 3. Location Bleikøya 8c. 15.06.2022.

Location: Bleikøya 9



Individuals: 2

Area: 5 x 30 m, (0.011 ha)

Environment (habitat): Open and partly overgrown by bushes ridge in the highest part of Bleikøya over the house no 104. With other species: *Achillea millefolium*, *Artemisia campestris*, *Berberis vulgaris*, *Centaurea jacea*, *Cotoneaster* sp., *Festuca rubra* cfr., *Fragaria vesca*, *Fragaria viridis*, *Galium verum*, *Geranium sanguineum*, *Geum urbanum*, *Hylotelephium telephium* ssp. *maximum* (*Sedum telephium* = *S. maximum*), *Origanum vulgare*, *Phydimus spurius* (*Sedum spurium*), *Plantago media*, *Polygonatum odoratum*, *Prunus spinosa*, *Rosa* sp., *Thymus pulegioides*, *Trifolium arvense*, *Trifolium pratense*, *Veronica spicata*

Condition: One large (35 cm) and one small flowering tuft of *Dracocephalum* have been found.

Care:

GPS-coordinates: 59°53'20.81"N 10°44'17.07"E

Top of the hill on the highest part of Bleikøya, close to main footpath.

Date of watch: 15, 30.06.2022.

Owner:

Photos: R.Gramsz

Observer: R. Gramsz



Photo 1. Location Bleikøya 9. Only one big and one small *Dracocephalum* tuft is growing on this location this year. 15.06.2022.

Location: Bleikøya 10



Individuals: ca. 125

Area: 5 x 20m, (0.013 ha)

Environment (habitat): Small, dry clearing on the top of a hill surrounded by a small forest and thicket with trees: *Pinus silvestris*, *Fraxinus excelsior* and *Acer platanoides*. This clearing itself is partly overgrown by bushes: *Rhamnus cathartica*, *Berberis vulgaris*, *Cotoneaster* sp., *Rosa* sp. And other species: *Achillea millefolium*, *Agrostis capillaris* cfr., *Avenastrum pratensis*, *Calamagrostis arundinacea* cfr., *Centaurea jacea*, *Daucus carota*, *Festuca ovina*, *Festuca rubra* cfr., *Fragaria vesca*, *Fragaria viridis*, *Filipendula vulgaris*, *Galium boreale*, *Galium verum*, *Geranium sanguineum*, *Geum urbanum*, *Hylotelephium telephium* ssp. *maximum* (*Sedum telephium* = *S. maximum*), *Hypericum perforatum*, *Lotus corniculatus*, *Melica nutans*, *Origanum vulgare*, *Phydium spurium* (*Sedum spurium*), *Plantago media*, *Polygonatum odoratum*, *Prunus spinosa*, *Thymus pulegioides*, *Trifolium arvense*, *Trifolium pratense*, *Veronica spicata*.

Condition: *Dracocephalum* grows very densely in places, there is also more of it than last year and more young plants. The tufts grow up to 25 -30 cm and 40% have bloomed. The surface is already a bit too overgrown with both bushes and too dense undergrowth.

Care: Bush cutting takes place in late summer (2.09)

GPS-coordinates: 59°53'22.70"N 10°44'30.00"E

Date of watch: 15.30.06., 2.09.2022.

Owner:

Photos: R. Gramsz

Observer: R. Gramsz



Photo 1. Location Bleikøya 10. Top of the ridge. 15.06.2022.



Photo 2. Location Bleikøya 10. Top of the ridge after cutting. 2.09.2022.