

2.1. Latinsk navn (Latin name)

Dracocephalum ruyschiana L.

2.2 Rødlistestatus (redlist status)

Sårbar. (Vulnerable)

2.3 Utbredelse (spreading/place)

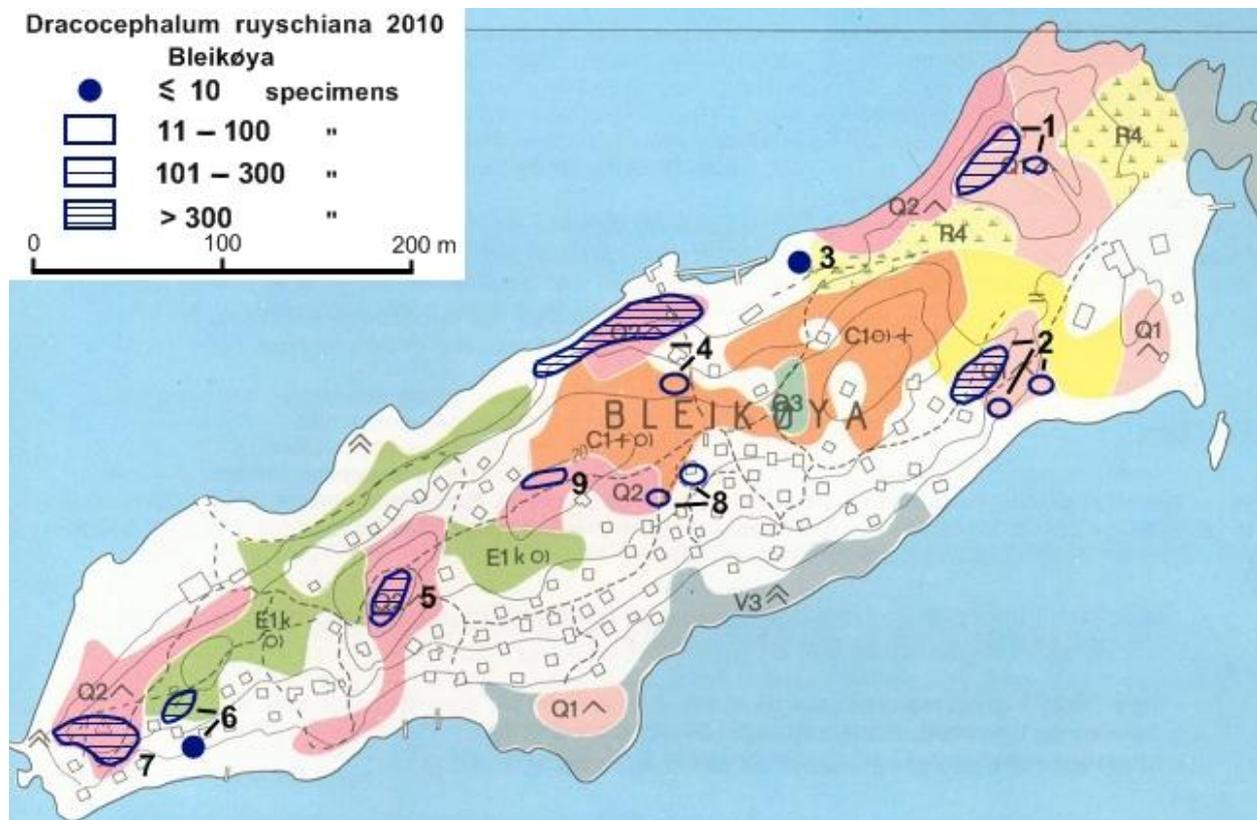
Arten er spredd fra Oslofjorden til Gudbrandsdalen. I Nord-vest-Europa har Norge hovedforekomsten. Europa og Asia. (The species is found from the Oslofjord to Gudbrandsdalen. Norway has the main population in north-western Europe.) Eastern and Central Europe and western and central Asia, extending locally westwards to Norway and the Pyrenees.

2.4 Lokalteter i Norge (locations in Norway)

2.4.1. Lokalteter i Oslo (locations in Oslo)

Now 18 known

BLEIKØYA



Location: Bleikøya 1**Individuals:** ca 220 (140 + 40 + 40)**Area:** 20 x 60m + 5 x 5m**Environment (habitat):** Open top of a ridge and a slope facing South. 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:** The bird nesting influence on this site seems to be relatively small this year. Another concentration of *Dracocephalum* plants has been found on the eastern part of the ridge (closer to farm building). Also more single plants were found between concentrations. Seems that in this location *Dracocephalum* grow in number and increase area.**Care:** The site was mowed by motor scythe in September 2008, so it was not necessary to do it in 2009 and in this year. Seems, that it is good to keep growing some briar (*Rosa* sp) bushes. They are not giving much shadow but may protect plants against being trampled.**GPS-koordinates:** 0597510/ 6640509**Date of watch:** 17.06.2010**Owner:****Photos:** No photos**Observer:** R. Gramsz, J. Potocka**Location: Bleikøya 2****Individuals:** ca 506 (433 + 30 + 43)**Area:** 30 x 10 m + 2 x (3 x 4 m) (potential area 40 x 40 m)**Environment (habitat):** Open top of a hill and a slope facing NWN and lower terrace on the E of 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*, *Phydimus spurius* (*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: Plants are in good condition – most of them blooming. Some blooming clusters regarded as separate plant can be as big as 30 cm in diameter (photo 3336). Two separate concentrations of *Dracocephalum* in lower terrace in Eastern part of the site seems to grow in number.

Care: In September close surroundings an partly this site was mowed by motor scythe in places where a new shoots of bushes were growing.

GPS-koordinates: 0597501/ 6640403

Date of watch: 17.06.2010

Owner:

Photos: No 1212, 1216 – (J.Potocka) 3336 - (R. Gramsz)

Observer: R. Gramsz, J. Potocka

Bleikøya 3

Individuals: 4

Area: 3 x 4 m

Environment (habitat): Part of a beach used for boats storage 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: Plants are blooming and in good condition but there are fewer of them comparing with last year.

Care:

GPS-koordinates: 0597408/ 6640452

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

Date of watch: 17.06.2010

Owner:

Photos: No 3333 (R.Gramsz)

Observer: R. Gramsz, J. Potocka

Location: Bleikøya 4

Individuals: ca 500 (470 +30)

Area: 100 (120) x 30m + 5 x5m

Environment (habitat): A slope facing NW mostly overgrown by high bushes and trees (covering ca 60%). Dracocephalum grows rather sparsely both in the open area and under the bushes. Also open area in “winter boat storage place”. 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 spurius* (*Sedum spurium*), *Pimpinella saxifraga*, *Plantago media*, *Polygonatum odoratum*, *Polypodium vulgare*, *Potentilla argentea*, *Prunella vulgaris*, *Sedum album*, *Solidago virgaurea*, *Thymus pulegioides*, *Veronica spicata*

Condition: Plants are in very good condition, most of them in flower. Especially abundant plants are in the area where trees and bushes were cleared last year.

Care: In September light clearing of growing shoots has been repeated on the same area as last year (photos - 3659, 3660)

GPS-koordinates: 0597312/ 6640427

Date of watch: 18.06.2010

Owner:

Photos: 3330,3331, 3332, 3659, 3660 (R. Gramsz)

Observer: R. Gramsz, J. Potocka

Location: Bleikøya 5

Individuals: ca 150

Area: 10 x 30 m

Environment (habitat): Open ridge and a 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*, *Phydimus spurius* (*Sedum spurium*), *Plantago media*, *Polygonatum odoratum*, *Prunus spinosa*, *Rosa* sp., *Thymus pulegioides*, *Trifolium arvense*, *Trifolium pratense*, *Veronica spicata*

Condition: Plants are in very good condition. A few new plants has been found close to footpath, where a light clearing of trees and bushes were made. There were more plants counted in this site comparing with last year.

Care: 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 slops on Bleikoya. Another “bushy” site is no 4 but on NW slops. That treatment gives a better diversity of habitats in all locations on Bleikoya.

GPS-koordinates: 0597188/ 6640279

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

Date of watch: 18.06.2010

Owner:

Photos: 3324, 3344, 3345 (R. Gramsz)

Observer: R. Gramsz, J. Potocka

Bleikøya 6 A

Individuals: Ca 250

Area: 5 x 15 m

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: Plants are in very good condition, most of them in flower.

Care: Clearing has been done in September 2008. Cutting of lilac shouts this and last year has been done only once a year – in September. Will be good to make it twice a year if possible.

The area of 1x2 m has been mark for very precise counting and observations.

GPS-koordinates: 0597089/ 6640195

Date of watch: 18.06.2010

Owner:

Photos: 1225 – (J. Potocka) 3340, 3342 - (R. Gramsz)

Observer: R. Gramsz, J. Potocka

Location: Bleikøya 6 B

Individuals: 4

Area: 1 m²

Environment (habitat): On the edge of the bushes

Condition: Plants are quite big and blooming.

Care:

GPS-koordinates: 0597083/ 6640195

Under the cottage no 88 (blue), towards the sea, ca 30 m S from location 6a.

Date of watch: 18.06.2010

Owner:

Photos: 3343 (R. Gramsz)

Observer: R. Gramsz, J. Potocka

Location: Bleikøya 7

Individuals: Ca 150 (110 on the main concentration – 5 x 10m)

Area: 30 x 40m

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, Phydimus spurius (Sedum spurium), Pimpinella saxifraga, Plantago media, Polygonatum odoratum, Rhamnus cathartica, Rosa sp., Sedum album, Solidago virgaurea, Sorbus hybrida, Syringa vulgaris, Thymus pulegioides

Condition: Plants are in very good condition, most of them in flower. In two smaller concentrations there is more small plants than last year.

Care: Clearing has been done in September 2008. Cutting of lilac shrubs this and last year has been done only once a year – in September (photo 3646). Will be good to make it twice a year if possible.

GPS-koordinates: 0597048/ 6640205

Date of watch: 18.06.2010

Owner:

Photos: 3337, 3338, 3646 (R. Gramsz)

Observer: R. Gramsz, J. Potocka

Location: Bleikøya 8

Individuals: ca 88 (54 + 34)

Area: 3 x 5 m + 2 x 4 m

Environment (habitat): In a line of bushes aside foot path – 2 places. With other species: *Anthyllis vulneraria, Avenula pratensis* cfr., *Berberis vulgaris, Cotoneaster* sp., *Festuca ovina, Filipendula vulgaris, Fragaria vesca, Galium verum, Geranium sanguineum, Hylolephium telephium* ssp. *maximum (Sedum telephium = Sedum maximum), Juniperus communis, Plantago media, Rhamnus cathartica, Syringa vulgaris, Thymus pulegioides*

Condition: Plants are in good condition, most of them in flower. In the second location there is more, mainly small plants than last year.

Care: A small clearing has been done in September to extend the existing site.

GPS-koordinates: 0597343/ 6640338

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

Date of watch: 18.06.2010

Owner:

Photos: 3327, 3328 (R. Gramsz)

Observer: R. Gramsz, J. Potocka

Location: Bleikøya 9 **New!**

Individuals: ca 20

Area: 5 x 30 m

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: Plants are in good condition. Most of them are growing among bushes on the ridge starting in the garden of house no 104. A few plants has been found in open area close to footpath.

Care: Light clearing of bushes needed.

GPS-koordinates:

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

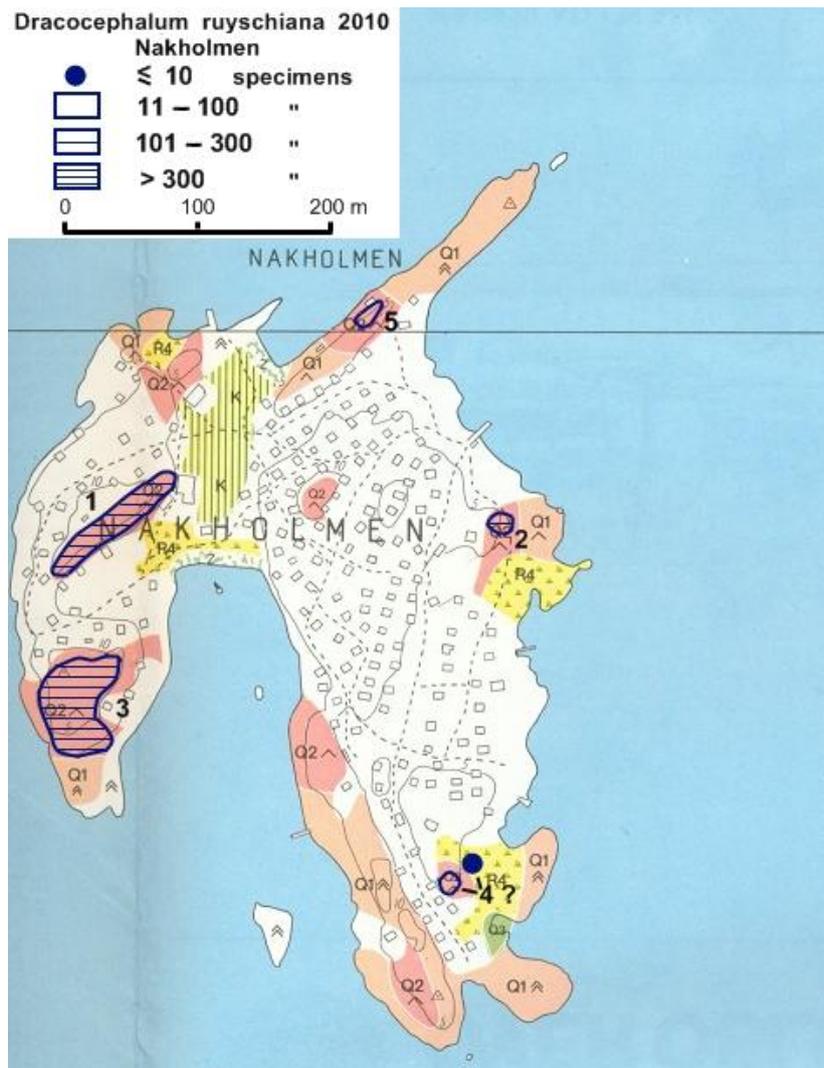
Date of watch: 18.06.2010

Owner:

Photos: 3325,3346, 3347 (R. Gramsz)

Observer: R. Gramsz, J. Potocka

NAKHOLMEN



Location: Nakholmen 1

Individuals: ca 450

Area: 130 x 10 m

Environment (habitat): The ridge of a hill partly overgrown by bushes (covering ca 50% of the area). In thermophilous vegetation on shallow soil, with: *Syringa vulgaris*, *Fraxinus excelsior*, *Rosa sp.*, *Cotoneaster sp.*, *Berberis vulgaris*, *Geranium sanguineum*, *Dianthus deltoides*, *Fragaria vesca*, *Polygonatum odoratum*, *Verbascum sp.*, *Sedum spurium*, *Filipendula vulgaris*.

Condition: Plants are in very good condition and most of them are blooming. They are very good visible after quite radical clearing of lilac bushes in a top of the ridge. *Dracocephalum* plants can be found along a whole top of the ridge but a small concentration found last year, west from the ridge has not been confirmed this year.

Care: Lilac bushes has been cut quite radical in this place but now a lot of small lilac shoots grow there. Those places shall be mowed by motor scythe, preferable twice a year to remove lilac shoots completely.

GPS-koordinates: 0594654 / 6640367

Stony hill in the central part of W side of the island.

Date of watch: 22.06.2010

Owner:

Photos: No 3380, 3381, 3382 (R. Gramsz)

Observer: R. Gramsz, J.Potocka

Location: Nakholmen 2

Individuals: ca 250

Area: 10 x 10 m (potential area 20 x 50 m)

Environment (habitat): Open NE slope of a small hill. In thermophilous vegetation with *Geranium sanguineum* on shallow soil. With: *Geranium sanguineum*, *Filipendula vulgaris*, *Arctostaphylos uva-ursi*, *Hylotelephium telephium ssp. maximum* (*Sedum telephium* = *Sedum maximum*), *Syringa vulgaris*, *Rosa sp.*, *Berberis vulgaris*, *Sorbus aucuparia x*, *Cotoneaster sp.* (*cult. - lucidus? scandinavicus?*), *Sedum spurium*, *Festuca (ovina agg.?)*, *Galium boreale*, *Thymus sp*, *Fragaria vesca*, *Plantago media*, *Veronica spicata*, *Polygonatum odoratum*, *Convallaria majalis*.

Condition: Plants looks fresh and in good condition. Most of plants are blooming, stems up to ca 25 cm. A lot of very small plants were noticed and counted this year.

Care: Not necessary

GPS-koordinates: 0594959 / 6640398

Open NE slope of a small hill, close to the shore, 100 m S from the harbour, over the compost deposit.

Date of watch: 22.06.2010

Owner:

Photos: No 3374 (R. Gramsz)

Observer: R. Gramsz, J. Potocka

Location: Nakholmen 3

Individuals: ca 380

Area: 80 x 100 m

Environment (habitat): The ridge and slopes of a hill partly overgrown by bushes. In thermophilous vegetation with: *Geranium sanguineum* on shallow soil. With: *Sorbus acuparia*, *S. intermedia*, *Cotoneaster* sp., *Rosa* sp., *Ligustrum vulgare*, *Syringa vulgaris*, *Lycium barbarum*, *Berberis vulgaris*, *Pinus silvaticus*, *Filipendula vulgaris*, *Sedum spurium*, *Hylotelephium telephium* ssp. *maximum* (*Sedum telephium* = *Sedum maximum*), *Geranium sanguineum*, *Thymus* sp., *Origanum vulgare*, *Plantago media*, *Fragaria vesca*, *Campanula persicifolia*, *Polygonatum odoratum*.

Condition: Plants looks fresh and in good condition. Most of plants are blooming but grows sparsely both in open area and close to bushes.

Care: Light clearing of bushes has been done. Such a small clearing and mowing open areas once a 2 – 3 years is recommended.

GPS-koordinates: 0594638 / 6640232

Stony hill in the southern peninsula of the W side of the island.

Date of watch: 22.06.2010

Owner:

Photos: No photos

Observer: R. Gramsz, J. Potocka

Location: Nakholmen 4

There was no access to this location in June 2010 – private property with fence.

Location: Nakholmen 5

Individuals: ca 70

Area: 10 x 30

Environment (habitat): Top of the ridge and NW slope of a hill partly overgrown by bushes from surroundings of a house no 182 to the resting bench. There is a great influence of human presence but *dracocephalum* plants are growing even on the edges of flower beds in gardens. In thermophilous vegetation with *Geranium sanguineum* on shallow soil. With: *Syringa*

vulgaris, *Rosa* sp., *Filipendula vulgaris*, *Sedum spurium* (*Phedimus spurius*), *Hylotelephium telephium* ssp. *maximum* (*Sedum telephium* = *Sedum maximum*), *Geranium sanguineum*, *Thymus* sp., *Origanum vulgare*, *Plantago media*, *Polygonatum odoratum*.

Condition: Plants look fresh and in good condition. More plants than last year were found in surroundings of a house no 182. Most of plants are blooming.

Care: Plants are growing along a footpath and under a big lilac bush close to resting bench. Lilac gives them a shadow (maybe too much) but also protects them against being trampled down. A few twigs of lilac should be cut out but not a whole bush.

GPS-coordinates: 05946852 / 6640532

A middle part of a long ridge which sticks out as a peninsula in NE part of island. Between house no 64 and 182.

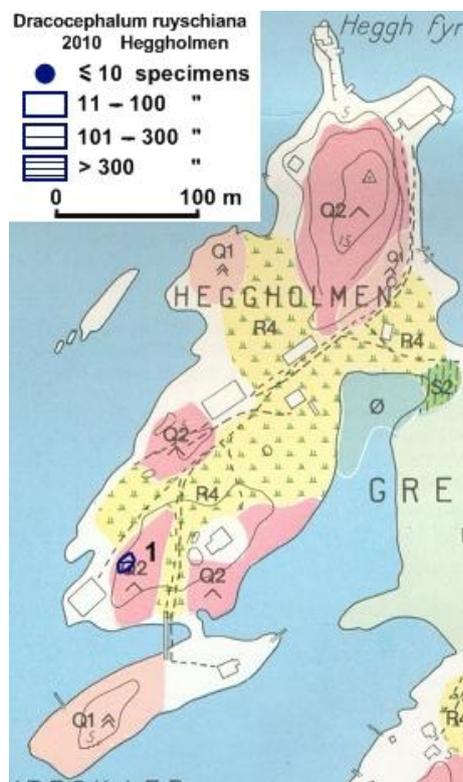
Date of watch: 22.06.2010

Owner:

Photos: No 3376, 3378 (R. Gramsz)

Observer: R. Gramsz, J. Potocka

HEGGHOLMEN



Location: Heggholmen 1

Individuals: ca 260

Area: 8 x12 m

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

Condition: Most of plants are in very good condition, most of them blooming. Also a lot of small plants were counted.

Care: The whole area should be mowed by motor scythe after *Dracocephalum* seeds are ripen.

GPS-koordinates: 0595807/ 6655380

SW part of Heggholmen, flat top of the hill

Date of watch: 21.06.2010

Owner:

Photos: No 3358, 3359 R. Gramsz)

Observer: R. Gramsz, J. Potocka

NORDMARKA

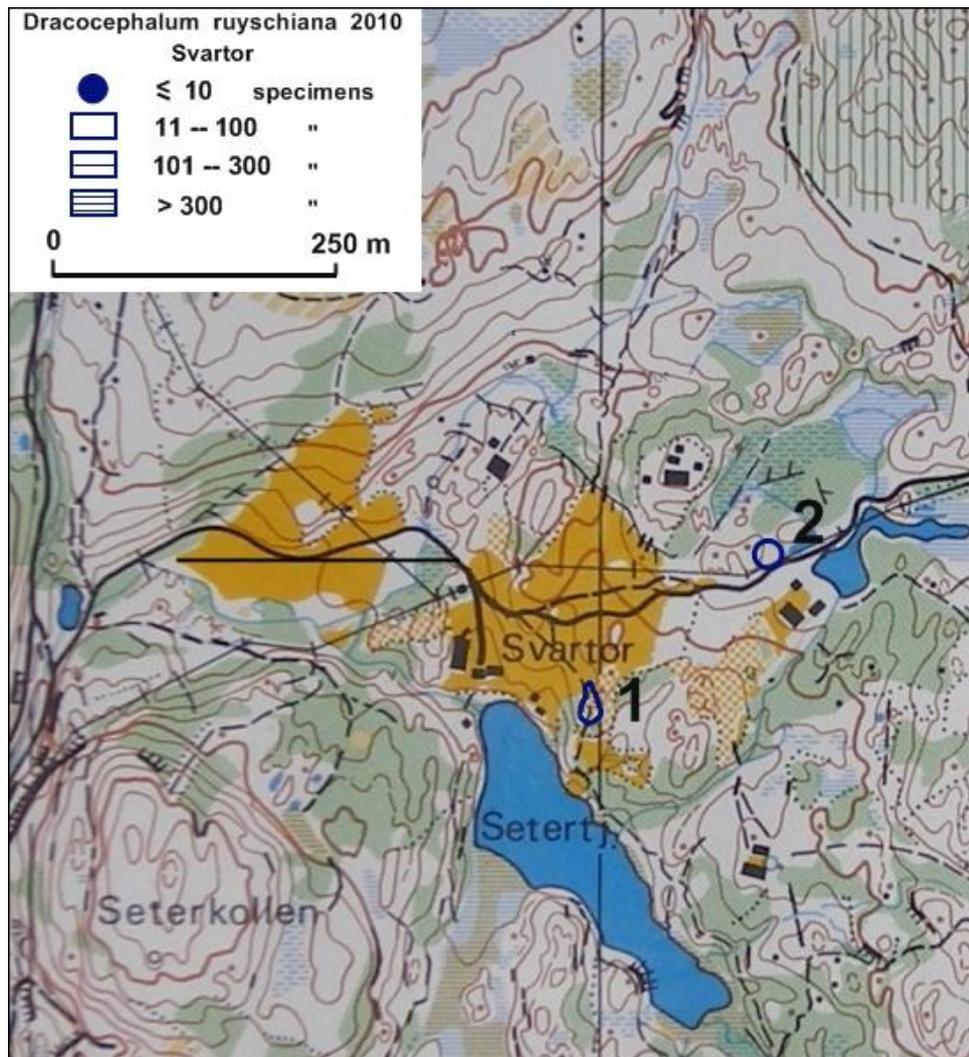
Location: Svartor 1

Individuals: ca 40

Area: 50 x 20

Environment (habitat): On a small dry rocky hill, surrounded by bushes and young trees (main concentration), and spread in the neighbouring part of the meadow. With: *Achillea millefolium*, *Agrostis capillaris*, *Agrostis vulgaris*, *Alchemilla sp.*, *Briza media*, *Campanula rotundifolia*, *Carex pallescens*, *Convallaria majalis*, *Dactylis glomerata*, *Filipendula vulgaris*, *Filipendula ulmaria*, *Fragaria vesca*, *Fraxinus excelsior*, *Galium boreale*, *Galium verum*, *Geranium sylvaticum*, *Holcus lanatus*, *Hypericum perforatum*, *Hypochoeris maculata*, *Juniperus communis*, *Knautia arvensis*, *Lathyrus vernus*, *Leucanthemum vulgare*, *Phleum pratense*, *Pimpinella saxifraga*, *Plantago media*, *Primula veris*, *Prunus padus*, *Ranunculus*

acris, *Rosa* sp., *Rubus* sp., *Solidago virgaurea*, *Sorbus aucuparia*, *Thymus pulegioides*, *Trifolium alpestre*, *Trifolium pratense*, *Vicia cracca*



Condition: There are much fewer of *Dracocephalum* plants than last years! They are small and only few of them flowering. Only 1 plant has been found in neighboring meadow.

Care: A recommended cutting of trees and bushes has been done in this area but this place is used as a pasture for horses during the end of July and August. *Dracocephalum* plants are eaten before their seeds are ripen. Grazing can weakened plants as well. Seams that this location should be fence in against grazing.

GPS-koordinates: 0591830/ 6655376

The main site is situated ca 150 m E from Svartor farm on a former footpath to E side of Setertj.

Date of watch: 1.07.2010

Owner:

Photos: (R. Gramsz)

Observer: R. Gramsz, J. Potocka

Location: Svartor 2

Individuals: ca 30

Area: 2 x 3 m

Environment (habitat): On a very small, dry, rocky hill on a side of a meadow. With: *Picea excelsa*, *Populus tremula*, *Rosa sp.*, *Sorbus aucuparia*, *Salix caprea*, *Prunus padus*, *Convallaria majalis*, *Polygala sp.*, *Geranium sanguineum*, *Thymus pulegioides*, *Fragaria vesca*, *Melampyrum sylvaticum*, *Galium boreale*, *Hypericum maculatum*...

Condition: Plants are blooming, in good condition and covers the same area as last years. No other plants found in close surrounding.

Care: Light clearing made last year seems to be enough. Only a few new shoots of *salix* and *padus* were removed in June 2010

GPS-koordinates: 0591945/ 6655497

Site is situated just opposite Framstua , on NW side of the road.

Date of watch: 1.07.2010

Owner:

Photos: 3450, 3451 (R. Gramsz)

Observer: R. Gramsz, J. Potocka

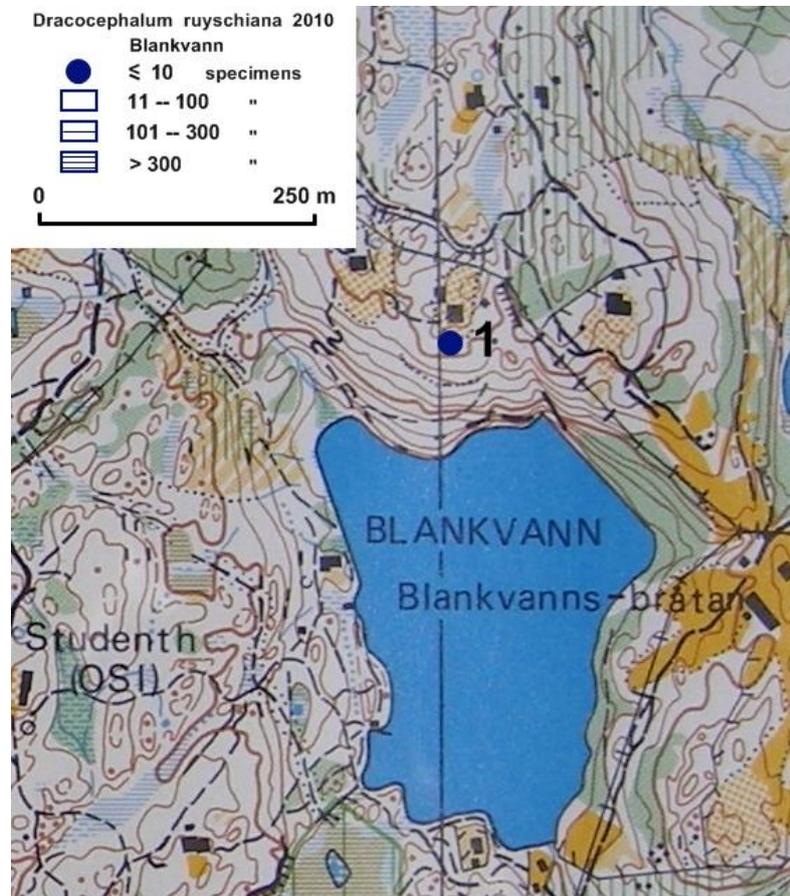
Location: Blankwann 1 **New!**

Individuals: 2

Area: 2 x 3 m

Environment (habitat): On a south facing, open hill slope over a Blankvan lake. With a reach colciphilous vegetation. Among other: *Acer platanoides*, *Achillea millefolium*, *Agrostis capillaris*, *Alchemilla sp.*, *Anemone nemorosa*, *Antennaria dioica*, *Anthericum liliago*, *Anthoxanthum odoratum*, *Aruncus dioicus*, *Betula pubescens*, *Briza media*, *Calamagrostis arundinacea*, *Campanula rotundifolia*, *Campanula persicifolia*, *Convallaria majalis*, *Dryopteris filix-mas*, *Epilobium angustifolium*, *Epipactis atrorubens*, *Fragaria vesca*, *Galium boreale*, *Galium verum*, *Geranium sylvaticum*, *Gymnadenia conopsea*, *Hepatica nobilis*,

Hieracium sect. hieracium, *Hylotelephium telephium*, *Iris sibirica*, *Lapsana communis*, *Leucanthemum vulgare*, *Lilium martagon*, *Listera ovata*, *Melampyrum pratense*, *Orthilia secunda*, *Pinus sylvestris*, *Platanthera chlorantha*, *Polygala vulgaris*, *Potentilla erecta*, *Pyrola minor*, *P. rotundifolia*, *Rubus saxatilis*, *Solidago virgaurea*, *Sorbus aucuparia*, *Stachys sylvatica*, *Trifolium pratense*, *Vaccinium myrtillus*, *Vaccinium vitis-idaea*, *Vicia sp.*, *Viola sp.*, *Viscaria vulgaris*



Condition: Only two individuals has been found.

Care:

GPS-koordinates: 0592849/ 6655678

About 50 m below a cottage in the direction to Tryvannshogda.

Date of watch: 2.07. and 22.07.2010

Owner:

Photos: 3464, 3465 (R. Gramsz)

Observer: R. Gramsz, J. Potocka

About care: Do not clear completely sparsely growing bushes. It is natural for the species to be partly shaded. Partly shaded places give the plant chance to stay in better condition during very hot and dry summers. It is advisable to monitor protection activity.