

## 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)

**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.

Now 15 known

**Location:** Bleikøya 1

**Individuals:** ca 80 +10

**Area:** 10 x 20 m (or 10 x 40m with a small distant cluster)

**Environment (habitat):** Open top of a ridge and a slope facing South. With other species: *Geranium sanguineum*, *Filipendula vulgaris*, *Telephium maximum*, *Sedum spurium*, *Cotoneaster* sp., *Rosa* sp.

**Condition:** Probably after a very hot and dry period in May the plants are very small and almost without flowers. Stems up to ca 20 cm. Maybe bird nesting influence this site.

**Care:**

**GPS-koordinates:**

**Date of watch:** 21.06.2008

**Owner:**

**Photos:** 1639, 1640 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Location:** Bleikøya 2

**Individuals:** ca 320

**Area:** 30 x 10 m + 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: *Geranium sanguineum*, *Filipendula vulgaris*, *Telephium maximum*, *Thymus* sp, *Fragaria vesca*, *Polygonatum odoratum*, *Rosa* sp., *Cotoneaster* sp.

**Condition:** Probably after a very hot and dry period in May the plants are very small and almost without flowers. Stems up to ca 20 cm.

**Care:** Do not clear completely sparsely growing bushes. It is natural for the species to be partly shaded. Partly shaded places give the plant a chance to stay in better condition during very hot and dry summers. Clearing is not necessary at this site now.

**GPS-koordinates:**

**Date of watch:** 21.06.2008 and 26 06 2008

**Owner:**

**Photos:** 1658, 1659 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Bleikøya 3**

**Individuals:** 10?

**Area:** 5 x5m

**Environment (habitat):**

**Condition:**

**Care:**

**GPS-koordinates:** Under a footpath on the northern side of a place for boat storage in winter.

**Date of watch:** 21.06.2008

**Owner:**

**Photos:** no

**Observer:** R. Gramsz, J. Potocka

**Location:** Bleikøya 4

**Individuals:** ca 90

**Area:** 100 (120) x 50m

**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: *Cotoneaster* sp., *Rosa* sp., *Juniperus communis*, *Crataegus* sp., *Pinus sylvestris* (several), *Syringa vulgaris* (several); herbs: *Geranium sanguineum*, *Polygonatum odoratum* sp., *Filipendula vulgaris*, *Thymus pulegioides*, *Arctostaphylos*, *Fragaria* (*vesca*?), *Hepatica nobilis*, *Convallaria majalis*,

**Condition:** Plants are in relatively good condition (some flowering) comparing with those growing in open area.

**Care:** Light clearing up to 20% desirable, especially in the places where the plants still exists in the strong shade.

**GPS-koordinates:**

**Date of watch:** 21.06.2008

**Owner:**

**Photos:** 1637; 1638; 1645 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Location:** Bleikøya 5

**Individuals:** ca 50

**Area:** 10 x 25 m

**Environment (habitat):** Open ridge and a slope sparsely overgrown by bushes. With other species: *Geranium sanguineum*, *Filipendula vulgaris*, *Telephium maximum*, *Origanum* (*vulgare*?), *Cotoneaster* (*divaricatus*? *lucidus*?), *Prunus spinosa*, *Rhamnus cathartica*, *Sedum spurium*

**Condition:** Probably after a very hot and dry period in May the plants are very small and almost without flowers. Stems up to ca 20 cm.

**Care:** Light clearing up to 20% desirable, especially in the places where the plants still exists in strong shade or to extend the potential area a little.

**GPS-koordinates:** Top of the hill with the war monument (krigsmine?) and S and SE slope

**Date of watch:** 17.06.2008

**Owner:**

**Photos:** 1609, 1610 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Bleikøya 6 A**

**Individuals:** Ca 100

**Area:** 5 x 15 m

**Environment (habitat):** On the open slope facing south , on shallow stony soil

**Condition:** Probably after a very hot and dry period in May the plants are very small and almost without flowers. Stems up to 20 cm.

**Care:**

**GPS-koordinates:**

**Date of watch:** 17.06.2008

**Owner:**

**Photos:** 1606, 1607 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Location: Bleikøya 6 B**

**Individuals:** 3

**Area:** 1 m<sup>2</sup>

**Environment (habitat):** On the edge of the bushes

**Condition:** Plants are quite big, but without flowers.

**Care:**

**GPS-koordinates:** Under the cottage (blue), towards the sea, ca 30 m S from location 6.

**Date of watch:** 17.06.2008

**Owner:**

**Photos:** 1602 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Location: Bleikøya 7**

**Individuals:** Ca 50

**Area:** 5 x 10 m (the main area, ca 30); and 20 x 20 m ca 20 sparsely among small bushes.

**Environment (habitat):** On the open ridge and slope facing south , on shallow stony soil

**Condition:** Probably after a very hot and dry period in May the plants are very small and almost without flowers. Stems up to ca 20 cm.

**Care:** Light clearing up to 20% desirable, in the part of this site which is closest to the house (NE part of the area).

**GPS-koordinates:**

**Date of watch:** 17.06.2008

**Owner:**

**Photos:** 1603, 1604 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Location: Bleikøya 8**

**Individuals:** ca 50 (30 + 20)

**Area:** 3 x 5 m + 2 x 4 m

**Environment (habitat):** In a line of bushes aside foot path – 2 places.

**Condition:** Plants are in relatively good condition (some flowering) comparing with those growing in the open area. Probably after a very hot and dry period in May the plants (in the open area) are very small and almost without flowers.

**Care:** Some small clearing could be done to extend the existing site.

**GPS-koordinates:** Between houses no. 40 and 42, and the toilet.

**Date of watch:** 21.06.2008

**Owner:**

**Photos:** 1635,1636

**Observer:** R. Gramsz, J. Potocka

## **NAKHOLMEN**

**Location:** Nakholmen 1

**Individuals:** ca 120

**Area:** 100 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 *Geranium sanguineum*, *Rosa* sp. *Cotoneaster* sp., *Berberis vulgaris*, *Sedum spurium*, *Filipendula vulgaris*.

**Condition:** There are some concentrations of individuals (higher, more vivid) growing close to or among the bushes. The rest, in an open area, probably after a very hot and dry period in May are very small and almost without flowers (5% blooming).

**Care:** Light clearing up to 20% desirable, especially in the places where the plants still exists in the strong shadow.

**GPS-koordinates:** Stony hill in the central part of W side of the island.

**Date of watch:** 20.06.2008

**Owner:**

**Photos:** 1621 – 1623 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Location:** Nakholmen 2

**Individuals:** ca 30

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

**Environment (habitat):** Open NW slope of a small hill. In thermophilous vegetation with *Geranium sanguineum* on shallow soil.: *Geranium sanguineum*, *Filipendula vulgaris*, *Telephium maximum*, *Cotoneaster* sp. (cult. - *lucidus*? *scandinavicus*? ), *Sedum spurium*, *Arctostaphylos uva-ursi*, *Festuca (ovina* agg.?)

**Condition:** Sparsely. Probably after a very hot and dry period in May, the plants are very small and almost without flowers (5% blooming). Stems up to ca 20 cm.

**Care:**

**GPS-koordinates:** Open NW slope of a small hill, close to the shore, 100 m S from the harbour, over the compost deposit.

**Date of watch:** 20.06.2008

**Owner:**

**Photos:** 1618 – 1620 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Location:** Nakholmen 3

**Individuals:** ca 60

**Area:** 60 x 80 m

**Environment (habitat):** The ridge and slopes of a hill partly overgrown by bushes. In thermophilous vegetation with *Geranium sanguineum* on shallow soil. With: *Geranium sanguineum*, *Rosa* sp., *Cotoneaster* sp., *Filipendula vulgaris*, *Sedum spurium*, *Berberis vulgaris*

**Condition:** Sparsely. Probably after a very hot and dry period in May, the plants are very small and almost without flowers (5% blooming).

**Care:**

**GPS-koordinates:** Stony hill in the southern peninsula of the W side of the island.

**Date of watch:** 20.06.2008

**Owner:**

**Photos:** 1624 – 1626 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Location:** Nakholmen 4

**Individuals:** ca 50 (40 + 10)

**Area:** 5 x 10m + 5 x 5m (potential area 40 x 50 m)

**Environment (habitat):** A small hill partly overgrown by bushes (mainly *Syringa vulgaris*). In thermophilous vegetation on shallow soil. With: *Geranium sanguineum*, *Thymus pulegioides*, *Filipendula vulgaris*, *Fragaria vesca*, *Cotoneaster* sp.

**Condition:** Probably after a very hot and dry period in May, the plants are very small and almost without flowers (5% blooming).

**Care:** Light clearing of *Syringa vulgaris* up to 20% desirable.

**GPS-koordinates:** The main site is located close to the fence of a house no.168 and *Syringa* bushes and another small one about 15m to the east.

**Date of watch:** 21.06.2008

**Owner:**

**Photos:** 1632; 1633; 1634 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

## **HEGGHOLMEN**

**Location:** Heggholmen 1

**Individuals:** ca 120

**Area:** 5 x 10m

**Environment (habitat):** SW part of the flat top of the hill. In thermophilous vegetation on shallow soil. With: *Geranium sanguineum*, *Thymus pulegioides*, *Filipendula vulgaris*, *Fragaria vesca*, *Cotoneaster* sp., *Alium vineale*, *Vincetoxicum rossicum*

**Condition:** Probably after a very hot and dry period in May, the plants are very small and almost without flowers (5% blooming).

**Care:**

**GPS-koordinates:** SW part of Heggholmen, flat top of the hill

**Date of watch:** 24.06.2008



**Owner:**

**Photos:** 1649 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

## **NORDMARKA**

**Location:** Svartor 1

**Individuals:** ca 70 (60 +10)

**Area:** 8 x 10 m + 5 x 10?

**Environment (habitat):** On a small dry rocky hill, surrounded by bushes and young trees, and in the neighbouring part of the meadow. With: *Juniperus communis*, *Rosa* sp., *Leucanthemum vulgare*, *Hypericum maculatum*, *Filipendula vulgaris*, *Trifolium pratense*, *Trifolium medium*, *Galium verum*, *Galium boreale*, *Vicia cracca*, *Briza media*, *Convallaria majalis*, *Polygala*, *Geranium*, *Thymus pulegioides*, *Fragaria vesca*,

**Condition:**

**Care:** Remove 50% of the trees and bushes from the belt as wide as half of the height of the surrounding trees.

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

**Date of watch:** 16. 06. 2008, 28. 06. 2008

**Owner:** About half flowering. *Dracocephalum* grows in dense vegetation.

**Photos:** 1598 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

**Location:** Svartor 2

**Individuals:** ca 30

**Area:** 3 x 4 m

**Environment (habitat):** On a very small, dry, rocky hill on a side of a meadow. With: *Convallaria majalis*, *Polygala* sp., *Geranium sanguineum*, *Thymus pulegioides*, *Fragaria vesca*, *Melampyrum sylvaticum*, *Galium boreale*,

**Condition:**

**Care:** Light clearing of the surrounding bushes and young trees.

**GPS-koordinates:** Site is situated just opposite Framstua , on NW side of the road

**Date of watch:** 28 06.2008

**Owner:**

**Photos:** 1662 (R. Gramsz)

**Observer:** R. Gramsz, J. Potocka

