

## 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 are found from the Oslofjord to Gudbrandsdalen. Norway got the main population in north-west Europe.) East and Central Europe and west 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 shade. Partly shaded places give the plant chance to stay at better condition during the 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 very hot and dry period during May the plants are very small and almost without flowers. Stems up to ca 20 cm. Maybe the 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 very hot and dry period during 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 shade. Partly shaded places give the plant chance to stay at better condition during the 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 foot path in 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):** NW facing slope 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 store 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 shadow.

**GPS-koordinates:**

**Date of watch:** 21.06.2008

**Owner:**

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

**Condition:** Probably after very hot and dry period during 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 the strong shadow or to extend a little the potential area.

**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 south facing slope, on shallow stony soil

**Condition:** Probably after very hot and dry period during 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 south facing slope, on shallow stony soil

**Condition:** Probably after very hot and dry period during 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 between line of bushes aside foot path – 2 places.

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

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

**GPS-koordinates:** Between houses no. 40 and 42, and 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 the 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 or among the bushes. The rest, in an open area probably after very hot and dry period during 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 very hot and dry period during 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 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 the 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 very hot and dry period during May the plants are very small and almost without flowers (5% blooming).

**Care:**

**GPS-koordinates:** Stony hill in the south peninsula of 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):** 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 very hot and dry period during May the plants are very small and almost without flowers (5% blooming).

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

**GPS-koordinates:** Main site is located close to 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 very hot and dry period during 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 the small dry rocky hill, surrounding 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 the 50% of the trees and bushes from the belt which is as wide as the half of the high of surrounding trees.

**GPS-koordinates:** Main site is situated ca 150 m E from Svartor farm on a former foot path to E side of Setertj.

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

**Owner:** About half flowering. *Dracocephalum* grows in the 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 the 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