

## Bryophytes of the Čantoria National Nature Reserve (Moravskoslezské Beskydy Mts., Czech Republic)

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**Abstract:** Bryological investigation in National Nature Reserve Čantoria was done in 2013. The total of 99 bryophytes (29 liverworts and 70 moss species) recorded and/or collected are listed in this contribution. The most important records included 2 liverworts (*Liochlaena lanceolata* and *Nowellia curvifolia*) and 4 mosses (*Brachydontium trichodes*, *Campylostelium saxicola*, *Fissidens pusillus* and *Oxystegus tenuirostris*).

**Keywords:** bryoflora, mosses, liverworts, Beskydy Mts, Northeastern Moravia, Silesia

National Nature Reserve Čantoria includes mainly primeval forest communities on the southern slope of the Velká Čantoryje Mt (Moravskoslezské Beskydy Mts). The protected area is situated NE of Nýdek village of along the Czech – Polish border. The reserve was declared in 1998 on an area of 39.45 ha at elevations of 720 – 958 metres a.s.l.

Bryofloristic survey of the area was carried out by author during spring and summer 2013. In total 99 taxa of bryophytes (29 liverworts, 70 mosses) were recorded there. All herbarium specimens are housed in OSTR.

### A list of recorded species

#### Liverworts

<i>Barbilophozia hatcheri</i>	<i>Metzgeria furcata</i>
* <i>Bazzania trilobata</i>	* <i>Nowellia curvifolia</i>
<i>Blepharostoma trichophyllum</i>	<i>Orthocaulis attenuatus</i>
<i>Calypogeia azurea</i>	<i>Pellia epiphylla</i>
<i>Calypogeia integrifistula</i>	* <i>Pellia neesiana</i>
<i>Cephalozia bicuspidata</i>	<i>Plagiochila poreloides</i>
<i>Chiloscyphus coadunatus</i>	* <i>Porella platyphylla</i>
<i>Chiloscyphus profundus</i>	* <i>Ptilidium ciliare</i>
* <i>Conocephalum conicum</i>	<i>Ptilidium pulcherrimum</i>
* <i>Diplophyllum albicans</i>	* <i>Radula complanata</i>
* <i>Frullania dilatata</i>	* <i>Scapania irrigua</i>
<i>Lejeunea cavifolia</i>	<i>Scapania nemorea</i>
<i>Lepidozia reptans</i>	* <i>Schistochilopsis incisa</i>
* <i>Liochlaena lanceolata</i>	<i>Solenostoma gracillimum</i>
* <i>Lophozia ventricosa</i>	

#### Mosses

* <i>Amblystegium serpens</i>	<i>Ceratodon purpureus</i>
<i>Atrichum undulatum</i>	<i>Ctenidium molluscum</i>
<i>Brachydontium trichodes</i>	<i>Cynodontium polycarpon</i>
<i>Brachythecium populeum</i>	<i>Dicranella heteromalla</i>
<i>Brachythecium reflexum</i>	<i>Dicranodontium denudatum</i>
* <i>Brachythecium rivulare</i>	<i>Dicranoweisia crispula</i>
<i>Brachythecium rutabulum</i>	<i>Dicranum montanum</i>
<i>Brachythecium salebrosum</i>	<i>Dicranum scoparium</i>
<i>Brachythecium velutinum</i>	<i>Ditrichum heteromallum</i>
<i>Bryum moravicum</i>	<i>Ditrichum lineare</i>
* <i>Campylostelium saxicola</i>	* <i>Dorcadion affine</i>

* <i>Dorcadion speciosum</i>	<i>Plagiothecium nemorale</i>
<i>Eurhynchium angustirete</i>	* <i>Plagiothecium undulatum</i>
<i>Eurhynchium hians</i>	* <i>Platygyrium repens</i>
<i>Fissidens pusillus</i>	<i>Pleurozium schreberi</i>
<i>Grimmia hartmanii</i>	<i>Pogonatum aloides</i>
<i>Herzogiella seligeri</i>	<i>Pogonatum urnigerum</i>
* <i>Heterocladium heteropterum</i>	<i>Pohlia nutans</i>
* <i>Homalia trichomanoides</i>	<i>Polytrichastrum formosum</i>
<i>Hypnum cupressiforme</i>	* <i>Polytrichum juniperinum</i>
<i>Isothecium alopecuroides</i>	* <i>Pseudoleskeella nervosa</i>
* <i>Leucobryum glaucum</i>	<i>Pterigynandrum filiforme</i>
* <i>Leucodon sciuroides</i>	* <i>Pylaisia polyantha</i>
* <i>Mnium hornum</i>	* <i>Racomitrium aciculare</i>
<i>Mnium stellare</i>	<i>Rhizomnium punctatum</i>
* <i>Orthotrichum anomalum</i>	<i>Rhytidadelphus squarrosus</i>
* <i>Orthotrichum pallens</i>	<i>Sanionia uncinata</i>
* <i>Orthotrichum pumilum</i>	<i>Schistidium apocarpum</i>
<i>Orthotrichum stramineum</i>	* <i>Sphagnum girgensohnii</i>
<i>Oxystegus tenuirostris</i>	* <i>Syntrichia ruralis</i>
<i>Paraleucobryum longifolium</i>	<i>Tetraphis pellucida</i>
<i>Plagiommium affine</i>	* <i>Thuidium tamariscinum</i>
* <i>Plagiommium undulatum</i>	<i>Tortella tortuosa</i>
<i>Plagiothecium curvifolium</i>	* <i>Ulota bruchii</i>
<i>Plagiothecium laetum</i>	* <i>Ulota crispa</i>

In the study area, totally 99 taxa of bryophytes (29 liverworts, 70 mosses) were recorded. Six taxa are included into some of categories of the Red list of bryophytes of the Czech Republic (Kučera, Váňa & Hradílek 2012). Among the “Lower-risk mosses” (LR-nt) belongs *Liochlaena lanceolata* and *Campylostelium saxicola*. Category of “Least concern – attention list” (LC-att) is represented by *Nowellia curvifolia*, *Brachydontium trichodes*, *Fissidens pusillus* and *Oxystegus tenuirostris*.

Despite considerable sampling efforts, an occurrence of 17 species recorded here in the past (cf. Reichardt 1858; Milde 1961; Podpěra 1928; Vězda 1960; Plášek 2000a, 2000b; Plášek & Stebel 2002) were not recently confirmed. On the other hand, 38 species (13 liverworts, 25 mosses) were recorded here for the first time in 2013 – marked by “\*” in a list of recorded species.

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