



## NEW DISTRIBUTIONAL DATA ON BRYOPHYTES OF POLAND, 16

PIOTR GÓRSKI, JOLANTA KUJAWA-PAWLACZYK, PAWEŁ PAWLACZYK

Series “New distributional data on bryophytes of Poland (and Slovakia)” is a scientific bulletin of Bryological Section of Polish Botanical Society



Editors of the column: PIOTR GÓRSKI, ANNA RUSIŃSKA

P. Górski, Department of Botany, Poznań University of Life Sciences, Wojska Polskiego 71 C, 60-625 Poznań, Poland, e-mail: piotr.gorski@up.poznan.pl

P. Pawlaczyk, The Naturalists' Club, 1 Maja 22, 66-200 Świebodzin, Poland, e-mail: pawel.pawlaczyk@kp.org.pl

A. Rusińska, Natural History Collections, Adam Mickiewicz University, Umultowska 89, 61-614 Poznań, Poland, e-mail: annarus@amu.edu.pl

(Received: October 25, 2018. Accepted: November 16, 2018)

ABSTRACT. This work presents a list of 139 localities for 16 species of liverworts collected in West Pomerania and Silesia (NW and SW Poland).

## INTRODUCTION

The article presented localities of liverworts collected by the late Dr Jolanta Kujawa-Pawlaczyk, a former employee of Poznań University of Life Sciences, Department of Forest Botany. After her death, the collection was donated by P. Pawlaczyk to P. Górski. The specimens have been collected during the field work for monitoring of natural habitats conservation status in West Pomerania and Silesia, in 2014–2017.

This work presents a list of 139 localities for 16 species. The researched objects, in most cases, did not have the bryological documentation so far. Only a few, e.g. ‘Janiewickie Bagno’, ‘Warnie Bagno’, ‘Bagno Kusowo’, and ‘Żurawie Bagno’ have been previously documented (SZWEYKOWSKI & KOZLIKA 1969, GÓRSKI et al. 2015, 2016, ROSADZIŃSKI 2015, GÓRSKI & KIASZEWICZ 2018).

All specimens have been determined by P. Górski. The names of liverworts are in accordance with the list of KLAMA & GÓRSKI (2018). Herbarium materials are deposited in W. Szafer Institute of Botany, Polish Academy of Sciences, Kraków (KRAM-B).

## LIST OF SPECIES

1. *Bazzania trilobata* (L.) Gray

MGRS 33UWV5848: NW Poland, West Pomerania (Pomorze Zachodnie), Drawsko Lakeland (Pojezierze Drawskie), Zachodniopomorskie voivodeship, Świdwin county, Karsibórz Landscape and Nature Unit, 12.5 km SE from Świdwin, 53.68642°N, 15.88542°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 26.09.2014; MGRS 33UXV0664: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, ‘Brzezińskie Bagno’, 13 km N from Szczecinek, 53.81681°N, 16.62286°E, and 53.81717°N, 16.62317°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 3.10.2014.

2. *Calypogeia integristipula* Steph.

MGRS 33UWS0596: SW Poland, Lower Silesia (Dolny Śląsk), Śląsk-Łużyce Plain (Nizina Śląsko-Łużycka), Lubuskie voivodeship, Żary county, ‘Przygiełkowe Moczary’ nature reserve, 2 km SW from Gozdnicza, 51.42289°N, 15.07383°E, and 51.42325°N,

15.07580°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 13.08.2014; MGRS 33UWU8386: NW Poland, West Pomerania, Wałcz Lakeland (Pojezierze Wałeckie), Zachodniopomorskie voivodeship, Wałcz county, bog near Duże Wutkaule lake, 1.5 km S from Mielęcín, 53.12031°N, 16.25491°E, pine bog forest, 23.06.2014; MGRS 33UXA1214: NW Poland, West Pomerania, Słupsk plain (Równina Słupska), Zachodniopomorskie voivodeship, Sławno county, 'Janiewickie Bagno' nature reserve, 11 km S from Sławno, 54.26175°N, 16.72322°E, pine bog forest, *Vaccinio uliginosi-Pinetum molinietosum*, 12.10.2014; MGRS 33UXV0245: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Bagno Ciemino' nature reserve, 12 km SW from Szczecinek, 53.65125°N, 16.55071°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 20.09.2014.

3. *Calypogeia neesiana* (C. Massal. & Carestia) Müll. Frib.

MGRS 33UWS0789: SW Poland, Lower Silesia, Śląsk-Łużyce Plain, Dolnośląskie voivodeship, Zgorzelec county, 4 km W from Jagodzin, 51.35858°N, 15.10354°E, and 51.35859°N, 15.10354°E, in wet pine forest, *Molinio-Pinetum*, 13.08.2014; MGRS 33UWV6099: NW Poland, West Pomerania, Białogard plain (Równina Białogardzka), Zachodniopomorskie voivodeship, Koszalin county, 'Warnie Bagno' nature reserve, 11 km NE from Karlino, 54.14112°N, 15.92867°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 30.07.2014; MGRS 33UXA1214: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Janiewickie Bagno' nature reserve, 11 km S from Sławno, 54.26175°N, 16.72322°E, pine bog forest, *Vaccinio uliginosi-Pinetum molinietosum*, 12.10.2014; MGRS 33UXV0245: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Bagno Ciemino' nature reserve, 12 km SW from Szczecinek, 53.64822°N, 16.54792°E, *Sphagnetum magellanici pinetosum*, 20.09.2014.

4. *Calypogeia sphagnicola* (Arnell & J. Perss.) Warnst. & Loeske

MGRS 33UWU5982: NW Poland, West Pomerania, Drawa Plain (Równina Drawska), Lubuskie voivodeship, Strzelce Krajeńskie-Drezdenko county, Drawieński National Park, N shore of Moczal lake, 1 km NW from Moczale, 53.08542°N, 15.89485°E, fen on lake shore, 29.05.2014.

5. *Cephalozia bicuspidata* (L.) Dumort.

MGRS 33UWS0299: SW Poland, Lower Silesia, Śląsk-Łużyce Plain, Lubuskie voivodeship, Żary county, 'Żurawie Bagno' nature reserve, 2 km NE

from Lipa Łużycka, 51.45117°N, 15.03232°E, pine-birch bog forest, *Phragmites australis-Pinus sylvestris* plant community, 13.08.2014.

6. *Cephaloziella elachista* (J.B. Jack ex Gottsche & Rabenh.) Schiffn.

MGRS 33UWV6099: NW Poland, West Pomerania, Białogard plain, Zachodniopomorskie voivodeship, Koszalin county, 'Warnie Bagno' nature reserve, 11 km NE from Karlino, 54.13854°N, 15.92990°E, open bog vegetation with *Erica tetralix*, 30.07.2014.

7. *Fuscocephaloziopsis connivens* (Dicks.) Lindb.

MGRS 33UWA6000: NW Poland, West Pomerania, Białogard plain, Zachodniopomorskie voivodeship, Koszalin county, 'Warnie Bagno' nature reserve, 11 km NE from Karlino, 54.14681°N, 15.92559°E, young pine bog forest, *Eriophoro vaginati-Sphagnetum pinetosum*, 30.07.2014; MGRS 33UWA9624: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Słowińskie Błota' nature reserve, 8 km SE from Darłowo, 54.36206°N, 16.47841°E, and 54.35827°N, 16.47939°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 54.36353°N, 16.48146°E, and 54.36266°N, 16.47847°E, *Sphagnetum magellanici pinetosum*, 29.07.2014; MGRS 33UWS0299: SW Poland, Lower Silesia, Śląsk-Łużyce Plain, Lubuskie voivodeship, Żary county, 'Żurawie Bagno' nature reserve, 2 km NE from Lipa Łużycka, 51.45117°N, 15.03232°E, and 51.45117°N, 15.03232°E, pine-birch bog forest, *Phragmites australis-Pinus sylvestris* plant community, 13.08.2014; MGRS 33UWS0596: SW Poland, Lower Silesia, Śląsk-Łużyce Plain, Lubuskie voivodeship, Żary county, 'Przygiełkowe Moczary' nature reserve, 2 km SW from Gozdnicza, 51.42325°N, 15.07580°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 13.08.2014; MGRS 33UWU4673: NW Poland, West Pomerania, Dobiegniew Lakeland, Zachodniopomorskie voivodeship, Choszczno county, Bierzwnik forest complex, 4 km SE from Bierzwnik, 53.00640°N, 15.69772°E, and 53.00546°N, 15.69778°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 10.07.2014; MGRS 33UWU6769: NW Poland, West Pomerania, Drawa Plain (Równina Drawska), Wielkopolskie voivodeship, Czarnków-Trzcianka county, Bażynowe Pond, 5 km SE from Stare Osieczno, 52.97354°N, 16.00141°E, 52.97437°N, 16.00184°E, and 52.97352°N, 16.00142°E, pine bog forest, 6.07.2014; MGRS 33UWU6771: NW Poland, West Pomerania, Drawa Plain, Wielkopolskie voivodeship, Czarnków-Trzcianka county, Pod Wieżą bog, 3.8 km SE from Stare Osieczno, 52.98977°N, 16.00246°E, 52.98977°N, 16.00249°E, and 52.98977°N, 16.00250°E, pine bog forest, 6.07.2014; MGRS 33UWU6870: NW Poland, West Pomerania, Drawa Plain, Wielkopolskie voivodeship, Czarnków-Trzcianka county, Karaśniki bog, 5 km SE from Stare Osieczno, 52.97786°N,

16.01351°E, and 52.97875°N, 16.01311°E, birch bog forest, 6.07.2014; MGRS 33UWU7379: NW Poland, West Pomerania, Wałcz Lakeland, Zachodniopomorskie voivodeship, Wałcz county, Rodran bog, 3.4 km SW from Człopa, 53.05786°N, 16.09953°E, birch bog forest, *Eriophorum vaginatum*-*Betula pubescens* plant community, 29.10.2014; MGRS 33UWV5749: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Świdwin county, Karsibórz Landscape and Nature Unit, 11.5 km SE from Świdwin, 53.69243°N, 15.87191°N, pine bog forest, *Vaccinio uliginosi*-*Pinetum*, 26.09.2014; MGRS 33UWV5848: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Świdwin county, Karsibórz Landscape and Nature Unit, 12.5 km SE from Świdwin, 53.68642°N, 15.88542°E, pine bog forest, *Vaccinio uliginosi*-*Pinetum*, and 53.68633°N, 15.88472°E, open pine bog forest, *Eriophoro vaginati*-*Sphagnetum pinetosum*, 26.09.2014; MGRS 33UWV5849: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Świdwin county, Karsibórz Landscape and Nature Unit, 12.5 km SE from Świdwin, 53.68667°N, 15.88695°E, pine bog forest, *Vaccinio uliginosi*-*Pinetum*, 26.09.2014; MGRS 33UWV6099: NW Poland, West Pomerania, Białogard plain, Zachodniopomorskie voivodeship, Koszalin county, 'Warnie Bagno' nature reserve, 11 km NE from Karlino, 54.14149°N, 15.92890°E, 54.14298°N, 15.92744°E, 54.13967°N, 15.92946°E, 54.13854°N, 15.92990°E, 54.13965°N, 15.92946°E, open bog vegetation with *Erica tetralix*, 54.14140°N, 15.93170°E, pine bog forest, *Vaccinio uliginosi*-*Pinetum*, 30.07.2014; MGRS 33UXA1213: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Janiewickie Bagno' nature reserve, 11 km S from Sławno, 54.25887°N, 16.72472°E, *Sphagnetum magellanici pinetosum*, 12.10.2014; MGRS 33UXA1214: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Janiewickie Bagno' nature reserve, 11 km S from Sławno, 54.26175°N, 16.72322°E, pine bog forest, *Vaccinio uliginosi*-*Pinetum molinietosum*, 12.10.2014; MGRS 33UXA5261: NW Poland, Słowińskie Coast (Wybrzeże Słowińskie), Pomorskie voivodeship, Słupsk county, Słowiński National Park, 15 km SW from Łeba, 54.67335°N, 17.36482°E, pine bog forest, *Vaccinio uliginosi*-*Pinetum*, 22.05.2015; MGRS 33UXA6263: NW Poland, Słowińskie Coast, Pomorskie voivodeship, Słupsk county, Słowiński National Park, 7 km S from Łeba, 54.69627°N, 17.52198°E, and 54.69627°N, 17.52198°E, *Erico*-*Sphagnetum*, 23.05.2015; MGRS 33UXV0245: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Bagno Ciemino' nature reserve, 12 km SW from Szczecinek, 53.65097°N, 16.55230°E, and 53.65099°N, 16.55233°E, wet pine forest, *Molinio*-*Pinetum*, 53.65125°N, 16.55071°E, pine bog forest, *Vaccinio uliginosi*-*Pinetum*, 53.64822°N,

16.54792°E, *Sphagnetum magellanici pinetosum*, 20.09.2014; MGRS 33UXV0363: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Bagno Kusowo' nature reserve, 13 km NW from Szczecinek, 53.81237°N, 16.57852°E, 53.81286°N, 16.57816°E, 53.81357°N, 16.57855°E, 53.81320°N, 16.57804°E, 53.81348°N, 16.57794°E, pine bog forest, *Vaccinio uliginosi*-*Pinetum*, 4.10.2014; MGRS 33UXV0664: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Brzezińskie Bagno', 13 km N from Szczecinek, 53.81717°N, 16.62317°E, pine bog forest, *Vaccinio uliginosi*-*Pinetum*, 3.10.2014; MGRS 33UXV0867: NW Poland, West Pomerania, Gwda Valley (Dolina Gwdy), Zachodniopomorskie voivodeship, Szczecinek county, Wielkie Błoto protected habitat, 15 km N from Szczecinek, 53.84881°N, 16.64479°E, pine bog forest, *Vaccinio uliginosi*-*Pinetum*, 4.10.2014.

8. *Fuscocephaloziopsis macrostachya* (Kaal.) Váňa & L. Söderstr.

MGRS 33UWA9524: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Słowińskie Błota' nature reserve, 8 km SE from Darłowo, 54.36209°N, 16.47561°E, *Sphagnetum magellanici pinetosum*, 29.07.2014; MGRS 33UWA9624: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Słowińskie Błota' nature reserve, 8 km SE from Darłowo, 54.36244°N, 16.48163°E, *Sphagnetum magellanici pinetosum*, 26.07.2014; MGRS 33UWV5848: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Świdwin county, Karsibórz Landscape and Nature Unit, 12.5 km SE from Świdwin, 53.68633°N, 15.88472°E, open pine bog forest, *Eriophoro vaginati*-*Sphagnetum pinetosum*, 26.09.2014; MGRS 33UWV6099: NW Poland, West Pomerania, Białogard plain, Zachodniopomorskie voivodeship, Koszalin county, 'Warnie Bagno' nature reserve, 11 km NE from Karlino, 54.14149°N, 15.92890°E, 54.13965°N, 15.92946°E, open bog vegetation with *Erica tetralix*, 54.14071°N, 15.92953°E, birch-pine bog forest in peat excavation pit, *Vaccinio uliginosi*-*Pinetum*, 30.07.2014; MGRS 33UXA1213: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Janiewickie Bagno' nature reserve, 11 km S from Sławno, 54.25923°N, 16.72464°E, 54.25911°N, 16.72563°E, and 54.25923°N, 16.72464°E, *Sphagnetum magellanici*, 54.26038°N, 16.72053°E, *Eriophoro vaginati*-*Sphagnetum recurvii*, 12.10.2014.

9. *Kurzia pauciflora* (Dicks.) Grolle

MGRS 33UWA9624: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship,

Sławno county, 'Słowińskie Błota' nature reserve, 8 km SE from Darłowo, 54.36353°N, 16.48146°E, *Sphagnetum magellanici pinetosum*, 29.07.2014; MGRS 33UXV0245: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Bagno Ciemino' nature reserve, 12 km SW from Szczecinek, 53.64842°N, 16.54779°E, *Sphagnetum magellanici*, 20.09.2014.

#### 10. *Lepidozia reptans* (L.) Dumort.

MGRS 33UWU4673: NW Poland, West Pomerania, Dobiegniew Lakeland, Zachodniopomorskie voivodeship, Choszczno county, Bierzwnik forest complex, 4 km SE from Bierzwnik, 53.00545°N, 15.69779°E, 53.00640°N, 15.69772°E, 53.00546°N, 15.69778°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 10.07.2014; MGRS 33UWV5849: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Świdwin county, Karsibórz Landscape and Nature Unit, 12.5 km SE from Świdwin, 53.68667°N, 15.88695°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 26.09.2014; MGRS 33UXV0245: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Bagno Ciemino' nature reserve, 12 km SW from Szczecinek, 53.65097°N, 16.55230°E, wet pine forest, *Molinio-Pinetum*, 53.65028°N, 16.55194°E, 53.65125°N, 16.55071°E, pine bog forest, *Vaccinio uliginosi-Pinetum*; MGRS 33UXV0664: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Brzezińskie Bagno' nature reserve, 13 km N from Szczecinek, 53.81717°N, 16.62317°E, pine bog forest, *Vaccinio uliginosi-Pinetum*.

#### 11. *Lophocolea heterophylla* (Schrad.) Dumort.

MGRS 33UWA9624: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Słowińskie Błota' nature reserve, 8 km SE from Darłowo, 54.35827°N, 16.47939°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 29.07.2014; MGRS 33UWS0497: SW Poland, Lower Silesia, Śląsk-Łużyce Plain, Lubuskie voivodeship, Żary county, 'Przygiełkowe Moczary' nature reserve, 2 km SW from Gozdnicza, 51.42889°N, 15.06803°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 13.08.2014; MGRS 33UWU6870: NW Poland, West Pomerania, Drawa Plain, Wielkopolskie voivodeship, Czarnków-Trzcianka county, Karaśniki bog, 5 km SE from Stare Osieczno, 52.97786°N, 16.01351°E, birch bog forest, 6.07.2014; MGRS 33UXV0245: NW Poland, West Pomerania, Drawskie Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Bagno Ciemino' nature reserve, 12 km SW from Szczecinek, 53.65125°N, 16.55125°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 20.09.2014.

#### 12. *Mylia anomala* (Hook.) Gray

MGRS 33UXA1113: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Janiewickie Bagno' nature reserve, 11 km S from Sławno, 54.26016°N, 16.71908°E, *Eriophoro vaginati-Sphagnetum recurvii*, 12.10.2014; MGRS 33UXA1213: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Janiewickie Bagno' nature reserve, 11 km S from Sławno, 54.26038°N, 16.72053°E, and 54.26037°N, 16.72053°E, *Eriophoro vaginati-Sphagnetum recurvii*, 12.10.2014; MGRS 33UXA6263: NW Poland, Pomerania, Słowińskie Coast, Pomorskie voivodeship, Słupsk county, Słowiński National Park, 7 km S from Łeba, 54.69627°N, 17.52198°E, and 54.69627°N, 17.52198°E, *Erico-Sphagnetum*, 23.05.2015.

#### 13. *Nowellia curvifolia* (Dicks.) Mitt.

MGRS 33UWA9624: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Słowińskie Błota' nature reserve, 8 km SE from Darłowo, 54.35827°N, 16.47939°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 29.07.2014.

#### 14. *Odontoschisma denudatum* (Mart.) Dumort.

MGRS 33UWV5849: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Świdwin county, Karsibórz Landscape and Nature Unit, 12.5 km SE from Świdwin, 53.68667°N, 15.88695°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 26.09.2014; MGRS 33UXV0245: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Bagno Ciemino' nature reserve, 12 km SW from Szczecinek, 53.65097°N, 16.55230°N, and 53.65099°N, 16.55233°E, wet pine forest, *Molinio-Pinetum*, 53.65028°N, 16.55194°E, *Vaccinio uliginosi-Pinetum*, 20.09.2014.

#### 15. *Odontoschisma fluitans* (Nees) L. Söderstr. et Váňa

MGRS 33UWU5964: NW Poland, West Pomerania, Dobiegniew Lakeland, Lubuskie voivodeship, Strzelce-Drezdenko county, Sarbinowo bog, 10 km NE from Drezdenko, 52.92256°N, 15.88305°E, *Sphagnetum magellanici*, 19.06.2014.

#### 16. *Odontoschisma sphagni* (Dicks.) Dumort.

MGRS 33UWA6000: NW Poland, West Pomerania, Białogard plain, Zachodniopomorskie voivodeship, Koszalin county, 'Warnie Bagno' nature reserve, 11 km NE from Karlino, 54.14681°N, 15.92559°E, young pine bog forest, *Eriophoro vaginati-Sphagnetum*

- pinetosum*, 30.07.2014; MGRS 33UWA9524: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Słowińskie Błota' nature reserve, 8 km SE from Darłowo, 54.36209°N, 16.47561°E, and 54.36244°N, 16.48163°E, *Sphagnetum magellanici pinetosum*, 54.36206°N, 16.47841°E, *Vaccinio uliginosi-Pinetum*, 29.07.2014; MGRS 33UWA9624: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Słowińskie Błota' nature reserve, 8 km SE from Darłowo, 54.36353°N, 16.48146°E, and 54.36266°N, 16.47847°E, *Sphagnetum magellanici pinetosum*, 29.07.2014; MGRS 33UWV5749: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Świdwin county, Karsibórz Landscape and Nature Unit, 11.5 km SE from Świdwin, 53.69161°N, 15.87222°E, and 53.69084°N, 15.87305°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 26.09.2014; MGRS 33UWV5848: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Świdwin county, Karsibórz Landscape and Nature Unit, 12.5 km SE from Świdwin, 53.68642°N, 15.88542°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 26.09.2014; MGRS 33UWV5849: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Świdwin county, Karsibórz Landscape and Nature Unit, 12.5 km SE from Świdwin, 53.68667°N, 15.88695°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 26.09.2014; MGRS 33UWV6099: NW Poland, West Pomerania, Białogard plain, Zachodniopomorskie voivodeship, Koszalin county, 'Warnie Bagno' nature reserve, 11 km NE from Karlino, 54.14149°N, 15.92890°E, 54.13967°N, 15.92946°E, 54.13965°N, 15.92946°E, 54.13854°N, 15.92990°E, and 54.14298°N, 15.92744°E, open bog vegetation with *Erica tetralix*, 54.14072°N, 15.92953°E, 54.14140°N, 15.93170°E, 54.14112°N, 15.92867°E, and 54.14071°N, 15.92953°E, *Vaccinio uliginosi-Pinetum*, 30.07.2014; MGRS 33UXA1113: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Janiewickie Bagno' nature reserve, 11 km S from Sławno, 54.25972°N, 16.71774°E, and 54.25973°N, 16.71771°E, *Eriophoro vaginati-Sphagnetum recurvii*, 54.25901°N, 16.71811°E, *Sphagnetum magellanici*, 54.25812°N, 16.71907°E, and 54.25833°N, 16.71849°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 12.10.2014; MGRS 33UXA1213: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Janiewickie Bagno' nature reserve, 11 km S from Sławno, 54.25903°N, 16.72469°E, 54.25923°N, 16.72464°E, 54.25887°N, 16.72472°E, and 54.25923°N, 16.72464°E, *Sphagnetum magellanici*, 54.26038°N, 16.72053°E, 54.26037°N, 16.72053°E, *Eriophoro vaginati-Sphagnetum recurvii*, 54.26096°N, 16.72302°E, wet pine forest, *Molinio-Pinetum*, 54.25790°N, 16.72367°E, and 54.25825°N, 16.72397°E, pine bog forest, *Vaccinio uliginosi-Pinetum*, 12.10.2014; MGRS 33UXA1214: NW Poland, West Pomerania, Słupsk plain, Zachodniopomorskie voivodeship, Sławno county, 'Janiewickie Bagno' nature reserve, 11 km S from Sławno, 54.26174°N, 16.72328°E, and 54.26175°N, 16.72322°E, pine bog forest, *Vaccinio uliginosi-Pinetum molinietosum*, 12.10.2014; MGRS 33UXA6263: NW Poland, Pomerania, Słowińskie Coast, Pomorskie voivodeship, Słupsk county, Słowiński National Park, 7 km S from Łeba, 54.69627°N, 17.52198°E, and 54.69627°N, 17.52198°E, *Erico-Sphagnetum*, 23.05.2015; MGRS 33UXV0245: NW Poland, West Pomerania, Drawsko Lakeland, Zachodniopomorskie voivodeship, Szczecinek county, 'Bagno Ciemino' nature reserve, 12 km SW from Szczecinek, 53.65097°N, 16.55230°E, *Molinio-Pinetum*, 20.09.2014.

## ACKNOWLEDGEMENTS

The contribution by Piotr Górski was supported by the Ministry of Science and Higher Education, Warsaw, Poland (statutory funds No 508.641.01).

## REFERENCES

- GÓRSKI P., KIASZEWICZ K. (2018): New distributional data on bryophytes of Poland, 15. *Steciana* 22(3): 97–100.
- GÓRSKI P., SMOCZYK M., PAWLKOWSKI P., VONČINA G., STEBEL A., PACIOREK T., STANIASZEK-KIK M., ROMAŃSKI M., WIADERNY A., GAŁKA M., WIERZCHOLSKA S. (2015): New distributional data on bryophytes of Poland, 2. *Steciana* 19(2): 55–65.
- GÓRSKI P., VONČINA G., SMOCZYK M., KLAMA H., ŠOLTĚS R., WILHELM M., RUTKOWSKA M. (2016): New distributional data on bryophytes of Poland and Slovakia, 8. *Steciana* 20(4): 191–200.
- KLAMA H., GÓRSKI P. (2018): Red list of liverworts and hornworts of Poland. *Cryptogamie, Bryologie* 39, 4: 415–441.
- ROSADZIŃSKI S. (2015): 20. *Sphagnum molle* Sull. In: P. Górski, A. Rusińska (eds). New distributional data on bryophytes of Poland and Slovakia, 3. *Steciana* 19(3): 169.
- SZWEYKOWSKI J., KOŻLIĆKA M. (1969): Materiały do flory wątrobowców Pomorza. *Badania Fizjograficzne nad Polską Zachodnią* 23: 125–149.

**For citation:** GÓRSKI P., KUJAWA-PAWLACZYK J., PAWLACZYK P. (2018): New distributional data on bryophytes of Poland, 16. *Steciana* 22, 4: 161–165. doi: 10.12657/steciana.022.019