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New vascular plant records from Limonos and confirmations

Acanthaceae

Acanthus mollis L.

Roussopouli, at the NW edge, 40 m, N39°52.99' E25°18.48'. Shrub margin. 31 May 2019, *Krause & Ristow 376/19*.
An escape from cultivation as ornamental plant.

Amaryllidaceae

Allium cyrilli Raf.

Fakos peninsula, 17 m, N39°50.53' E25°10.06'. Arable field. 24 April 2016, *Meyer* (photo).
Mapped by Strid (2016) based on Rauh (1949: 577); not recorded since.

Allium roseum L.

N of Dafni, towards Papia Bay, 35 m, N39°58.9' E25°11.3'. *Sarcopoterium phrygana*. 12 April 2018, *Bergmeier et al. (obs.)*.—0.9 km SE Aj. Alexandros, N edge Lake Aliko, 1–5 m, N39°57.47' E25°22.49'. Halophilous vegetation, on sand. 4 May 2018, *Krause & Ristow 512/18*.—Atsiki, near stadium, 15 m, N39°56.7' E25°13.3'. Mulberry grove. 10 May 2021, *Bergmeier 21-97*.
Inflorescence with bulbils.

Nothoscordum gracile (Aiton) Stearn

Myrina, beneath the fortress, 20 m, N39°52.53' E25°03.5'. Cobblestone gaps. 25 April 2018-, *Krause & Ristow 307/18*.—Romanou, village, 20 m, N39°54.27' E25°17.23'. Roadside. 23 April 2018, *Krause & Ristow (obs.)*.
New to the North Aegean. *N. gracile* is known as invasive in Mediterranean climates, the bulbs being introduced probably via nurseries.

Sternbergia lutea (L.) Ker Gawl. ex Spreng.

Dafni (without further locality data). 21 October 2019, Dimitra Grigoropoulou (photo).—Katalakkos, NW edge of the village, 140 m, N39°57.87' E25°09.04'. Roadside, slope, under shrubs. 13 October 2016, *Krause & Ristow 789/16*.

Apiaceae

Apium graveolens L.

Kotsinas, 0.5 km SSE of the Maroulas chapel, posterior part of the beach, 2–5 m, N39°56.33' E25°17.38'. Edge of reeds, semiwet sands. 9 October 2016, *Krause & Ristow (obs.)*; 31 May 2019, *Krause & Ristow 364/19*.—Moudros, S end, at the street, 5 m, N39°52.22' E25°16.195'. Ditch. 31 May 2019, *Krause & Ristow (obs.)* (possibly escape from cultivation).—Roussopouli, stream at SW edge, 50 m, N39°52.87' E25°18.55'. Streamside. 31 May 2019, *Krause & Ristow (obs.)*.
Mentioned by Thomas & al. (2012: 1428, unclear status), not mapped by Strid (2016).

Berula erecta (Huds.) Coville

Near Kontias, 1 m, N39°52.05' E25°10.0'. Perennial ditch. 2 October 2020, *Bergmeier (obs.)*.—0.5 km ESE of Therma, 100 m, N39°54.25' E25°07.65'. Small pond in small wood at stream. 1 May 2018, *Krause & Ristow 436/18*.—0.6 km NW Aj. Dimitrios, 0.3 km N of the hairpin curve, 100 m, N39°54.86' E25°08.46'. *Salix alba-Platanus* stand along a stream. 3 May 2018, *Krause & Ristow 494/18*.

Bifora testiculata (L.) Spreng.

W of Moudros, 58 m, N39°52.50' E25°17.42'. Cereal field. 21 April 2016, Meyer (obs.).—Fakos peninsula, 12 m, N39°50.49' E25°10.15'. Arable field. 18 April 2018, Meyer & Bergmeier (obs.).—Fakos peninsula, 15 m, N39°50.68' E25°10.14'. Arable field. 18 April 2019, Meyer (obs.).—Fakos peninsula, 62 m, N39°49.02' E25°09.37'. Arable field. 18 April 2018, Meyer (obs.).—S of Kaminia, 61 m, N39°51.49' E25°19.53'. Arable field (*Triticum durum*). 18 April 2018, Meyer (obs.).—S of Kaminia, 51 m, N39°51.54' E25°19.65'. Arable field with *Lathyrus ochrus*. 18 April 2018, Meyer (obs.).—Fakos peninsula, 77 m, N39°48.90' E25°09.50'. Arable field. 19 April 2018, Meyer (obs.).—Fakos peninsula, 26 m, N39°48.90' E25°08.96'. Arable field. 19 April 2018, Meyer (obs.).—S of Military Radar Station Vigla, 324 m, N39°58.29' E25°04.48'. Arable field. 20 April 2018, Meyer (obs.).—0.4 km WNW Roussopouli, 30 m, N39°53.03' E25°18.15'. Track edge. 21 April 2018, Krause & Ristow 216/18.—1.3 km NE Roussopouli, 20 m, N39°53.38' E25°19.5'. Track embankment. 22 April 2018, Krause & Ristow 246/18.—0.5 km W of Lychna, 10 m, N39°54.9' E25°15.5'. Barley field. 6 May 2021, Bergmeier & Meyer (obs.).—Fakos peninsula, 9 m, N39°50.43' E25°10.00'. Field margin. 12 May 2021, Bergmeier & Meyer (obs.).

Mapped by Strid (2016) based on Rauh (1949: 577); not recorded since.

Bupleurum semicompositum L.

Myrina, the Fortress, 60 m, N39°52.6 E25°03.22'. Open ground. 7 May 2018, Krause & Ristow 586/18.

Bupleurum subovatum Spreng.

Fakos peninsula, N part, 10 m, N39°50.68' E25°10.61'. Arable field (oats). 15 May 2021, Bergmeier (obs.).

Conium maculatum L.

Lychna, 10 m, N39°54.97' E25°15.95'. Ruderal site in village. 16 April 2018, Bergmeier 18-135.—0.3 km S Lychna, 5 m, N39°54.77' E25°15.82'. Roadside. 29 April 2018, Krause & Ristow (obs.).—2.8 km N Sardes, 1 km WNW Katalakkos, 40 m, N39°58.00' E25°08.41'. Streamside. 29 May 2019, Krause & Ristow (obs.).—0.4 km SE Kornos, 120 m, N39°54.87' E25°07.32'. Ruderal site. 25 April 2018, Krause & Ristow 299/18.—Kallithea, N end of the village, 30 m, N39°54.22' E25°12.55'. 11 May 2018, Krause & Ristow (obs.).—2 km NNW Katalakkos, 0.9 km SSW of rivulet mouth, 10 m, N39°58.95' E25°08.85'. Tall forbs. 7 May 2018, Krause & Ristow (obs.).—Aj. Dimitrios, N edge, 100 m, N39°54.80' E25°09.01'. Ruderal. 3 May 2018, Krause & Ristow (obs.).—Between Varos and Karpasi, 10 m, N39°55.9' E25°15.13'. Roadside. 29 April 2018, Krause & Ristow (obs.).—Between Airport and Varos, 8 m, N39°55.95' E25°14.94'. Rubbish heap. 13 May 2021, Bergmeier (obs.).—250 m S of Varos, 10 m, N39°55.61' E25°15.63'. Chicken-run. 14 May 2021, Bergmeier (obs.).

Echinophora tenuifolia L. subsp. *sibthorpiana* (Guss.) Holmboe

W of Moudros, 58 m, N39°52.50' E25°17.42'. Cereal field. 21 April 2016, Meyer (obs.).—Koukonisi Islet N of Moudros, 5 m, N39°53.23' E25°16.12'. Cereal field. 21 April 2016, Meyer (obs.).—Fakos peninsula, Metochi, 5 m, N39°50.5' E25°10.1'. Stubble field. 15 October 2019, Bergmeier 19-429.—S of Kalliopi, 5 m, N39°54.6' E25°20.2'. Stubble field. 1 October 2020, Bergmeier & Meyer (obs.).—E of Kalliopi, 11 m, N39°54.6' E25°21.2'. Stubble field. 1 October 2020, Bergmeier & Meyer (obs.).—NE of Kotsinas, 9 m, N39°57.7' E25°20.9'. Stubble field. 30 September 2020, Bergmeier & Meyer (obs.).—NE of Kotsinas, 2 m, N39°57.4' E25°19.3'. Stubble field. 30 September 2020, Bergmeier & Meyer (obs.).—Atsiki, SE village exit, 20 m, N39°56.57' E25°13.56'. Field. 13 October 2016, Krause & Ristow 785/16.—N edge of Lake Aliko, 4 m, N39°57.25' E25°23.07'. Field. 6 October 2016, Krause & Ristow 689/16.—100 m W port of Plaka, 10 m, N40°01.28' E25°26.17'. Fallow field. 9 May 2018, Krause & Ristow 623/18.—N edge Propouli, 60 m, N39°58.35' E25°13.95'. 7 October 2016, Krause & Ristow (obs.).—0.5 km W of Lychna, 10 m, N39°54.9' E25°15.5'. Barley field. 6 May 2021, Bergmeier & Meyer (obs.).—N Skandali, 45 m, N39°48.42' E25°19.99'. Fallow field. 6 May 2021, Bergmeier & Meyer (obs.).—1 km E of Dafni, 105 m, N39°56.94' E25°10.71'. Field border. 10 May 2021, Bergmeier & Meyer (obs.).

Oenanthe silaifolia M.Bieb.

SSW of Kontias, 16 m, N39°51.26' E25°08.34'. Seasonally wet arable field. 14 May 2019, Meyer s.n.—Chortarolimni, S end, 0 m, N39°53.6' E25°20.5'. Saltmarsh. 16 October 2019, Bergmeier 19-452.

Opopanax hispidus (Friv.) Griseb.

Katalakkos, NW edge of the village, 140 m, N39°57.87' E25°09.04'. Roadside, slope with shrubs. 13 October 2016, Krause & Ristow 791/16.

New to the North Aegean.

Pimpinella peregrina L.

0.3 km NW Kaspakas, 30 m, N39°54.92' E25°04.63'. Road embankment. 28 May 2019, Krause & Ristow 300/19.—0.3 km WSW Kaspakas, 80 m, N39°54.77' E25°04.64'. Slope above the road. 28 May 2019, Krause & Ristow (obs.).—0.3 km N of the hairpin curve 0.6 km NW Aj. Dimitrios, 110 m, N39°54.87' E25°08.45'. Track margin. 28 May 2019, Krause & Ristow (obs.).—1.3 km N Sardes, 150 m, N39°57.17' E25°08.34'. Scrub edge. 29 May 2019, Krause & Ristow (obs.).—Aj. Dimitrios, edge of village, 130 m, N39°54.54' E25°08.85'. Chicken run. 7 May 2021, Bergmeier & Meyer (obs.).—1.6 km SW of Aj. Dimitrios, 100 m, N39°54.31' E25°08.06'. Open *Quercus macrolepis* woodland. 7 May 2021, Bergmeier & Meyer (obs.).—SW Aj. Dimitrios, chapel Aj. Paraskevi, 95 m, N39°54.35' E25°08.20'. Hedgerow. 17 May 2021, Bergmeier (obs.).

Araceae

Arum concinatum Schott

0.6 km NW Aj. Dimitrios, 0.3 km N of the hairpin curve, 100 m, N39°54.86' E25°08.46'. Shadowy stream. 3 May 2018, Krause & Ristow 503+504/18.—1 km SW Aj. Dimitrios, 80 m, N39°54.24' E25°08.24'. *Ulmus* gallery forest. 7 May 2021, Bergmeier & Meyer (obs.).—Just SW of Aj. Dimitrios, 80 m, N39°54.29' E25°08.92'. *Ulmus* gallery forest by a stream. 17 May 2021, Bergmeier (obs.).

New to the North Aegean.

Asphodelaceae

Asphodelus fistulosus L.

Coastal road 2.1 km NNE Moudros, 5 m, N39°53.785' E25°16.745'. Roadside. 11 May 2018, Krause & Ristow 666/18.

Asteraceae

Ambrosia maritima L.

SE of Kalliopi, Keros Bay, 1 m, N39°54.21' E25°21.24'. Sandy path near beach. 1 October 2020, Bergmeier 20-143.—Neftina beach ca. 4.5 km W Panagia, 1-2 m, N39°59.02' E25°20.99', sandy beach. 12 October 2016, Krause & Ristow 779/16.—2,4 km SE Kalliopi, 1-2 m, N39°54.09' E25°21.23'. Sandy beach. 10 October 2016, Krause & Ristow 744/16. New to the North Aegean.

Anacyclus clavatus (Desf.) Pers.

E of Lychna towards Repanidi, 36 m, N39°55.12' E25°17.22'. Arable field. 11 May 2019, Meyer s.n.

New to the North Aegean. Regional status uncertain.

Anthemis chia L.

Between Lychna and Repanidi, 30-35 m, N39°55.1' E25°17.3'. Sheep pasture. 11 April 2019, Bergmeier et al. (obs.).—W of Repanidi, 20 m, N39°55.8' E25°17.4'. Sheep pasture. 14 April 2019, Bergmeier et al. (obs.).—N of Skandali, 45 m, N39°48.42' E25°19.99'. Fallow field. 6 May 2021, Bergmeier 21-4.

New to the North Aegean.

Carduus argentatus L. (s.l.)

Myrina, periphery, 5 m, N39°52.9' E25°04.03'. Ruderal site. 11 April 2019, Bergmeier (obs.).—0.2 km E Roussopouli, 40-50 m, N39°52.98' E25°18.83'. Roadside. 30 April 2018, Krause & Ristow 427/18.—0.4 km NNE of port of Plaka, 30 m, N40°01.42' E25°26.17'. Roadside phrygana. 9 May 2018, Krause & Ristow (obs.). - SE edge Chortarolimni, at the observation tower, 5 m, N39°53.72' E25°20.94'. Halophytic grassland. 88 May 2018, Krause & Ristow (obs.).—Between

Dafni and Atsiki, 65 m, N39°57.20' E25°11.11'. Bank between fields. 10 May 2021, *Bergmeier 21-98*.—Above Roussopouli, 100 m, N39°52.63' E25°18.66'. Grassland, slope. 16 May 2021, *Bergmeier 21-228*.

The records may represent *C. acicularis* Bertol. (*C. argentatus* subsp. *acicularis* (Bertol.) Meikle) which would be new to the North Aegean (Dimopoulos & al. 2013), but the taxa have not been distinguished in the Aegean (Strid 2016) and their distribution and distinction appear unclear.

Carthamus lanatus L.

N shore of Lake Aliko, 1.2 km SE Aj. Alexandros, 1-5 m, N39°57.42' E25°22.71'. Small patch of rocky phrygana. 4 May 2018, *Krause & Ristow 519/18*; 30 May 2019, *Krause & Ristow 350/19*.—Tighari coast 3.2 SW of Platy, 2 m, N39°50.22' E25°02.98'. Above the shoreline. 22 May 2019, *Krause & Ristow (obs.)*. - 4.2 km S Moudros, 100 m, N39°50.07' E25°16.67'. Roadside phrygana. 27 May 2019, *Krause & Ristow (obs.)*.—Above Roussopouli, 100 m, N39°52.69' E25°19.28'. Overgrazed ground. 16 May 2021, *Bergmeier (obs.)*.—Fakos peninsula, 9 m, N39°49.59' E25°09.55'. Field margin. 12 May 2021, *Bergmeier & Meyer (obs.)*.—Fakos peninsula, 9 m, N39°50.43' E25°10.00'. Field margin. 12 May 2021, *Bergmeier & Meyer (obs.)*.—Fakos peninsula, N part, 9 m, N39°50.59' E25°10.85'. Wayside. 15 May 2021, *Bergmeier (obs.)*.—Between Kalliopi and Asprolimni, 9 m, N39°55.05' E25°22.08'. Abandoned sandy field. 13 May 2021, *Bergmeier (obs.)*.—Above Roussopouli, 150 m, N39°52.72' E25°19.27'. Disturbed dry flat. 16 May 2021, *Bergmeier (obs.)*.

The plants have floral characters of subsp. *lanatus* (deep yellow flowers, rather short involucral bracts) and vegetative characters of subsp. *baeticus* (Boissier & Reuter) Nyman (stems without glands, rather long leaf segments). Hanelt (1963) already mentioned transitional forms from the North Aegean.

Centaurea cyanus L.

E of Kontias (without further locality data). Arable field. 21 April 2018, *Meyer (obs.)*.

Rare in the given locality and of unclear status.

Cladanthus mixtus (L.) Chevall.

Between Kontias and Diapori, 2 m, N39°51.3' E25°09.5'. Field edge. 15 October 2019, *Bergmeier 19-417*.—SE of Kalliopi, 11 m, N39°54.815' E25°20.76'. Barley field. 11 May 2019, *Meyer s.n.*.—SW of Kalliopi, 15 m, N39°54.69' E25°19.78'. Field, mixed crop. 11 May 2019, *Meyer s.n.*.—Between Kalliopi and Chortarolimni, 10 m, N39°54.57' E25°20.17'. Field, mixed crop. 11 May 2019, *Meyer s.n.*.—Between Kontias and Diapori, 3 m, N39°51.44' E25°10.14'. Barley field. 14 May 2019, *Meyer s.n.*; in the same area, 6 June 2019, D. Grigoropoulou s.n. —SE of Kaminia, 50 m, N39°51.490' E25°19.739'. Arable field, fallow. 13 May 2019, *Meyer s.n.*.—E of Kontias, 11 m, N39°52.001' E25°09.351'. Barley field. 14 May 2019, *Meyer s.n.*.—E edge of Diapori beach, 1.3 km S Tsimandria, 5 m, N39°51.28' E25°10.43'. Roadside. 3 October 2016, *Krause & Ristow 633/16*.—0.2 km N Aj. Sofia, 50 m, N39°50.01' E25°19.76'. Roadside. 5 May 2018, *Krause & Ristow 556/18*.—1 km SW of the airport approach road, 10 m, N39°55.07' E25°13.43'. Ruderal site. 21 May 2019, *Krause & Ristow (obs.)*.

New to the North Aegean. Plants from Limnos have pale yellow ligules deep yellow at base.

Crepis pulchra L.

Kotsinas, 60 m above the mouth of the rivulet, 0.5 km ESE Maroula statue, 5 m, N39°56.33' E25°17.38'. 5 May 2018, *Krause & Ristow 560/18*.—In the hairpin curve 0.4 km W of Aj. Dimitrios, 100 m, N39°54.71' E25°08.52', Roadside, ruderal. 3 May 2018, *Krause & Ristow 485/18*.—Between Dafni and Atsiki, 3 km WNW of Atsiki, 65 m, N39°57.20' E25°11.11'. Bank between fields. 10 May 2021, *Bergmeier 21-93*.—1 km SW of Aj. Dimitrios, near chapel Aj. Paraskevi, 95 m, N39°54.35' E25°08.20'. Hedgerow, semiwet ground. 17 May 2021-17, *Bergmeier 21-259*.

Crepis setosa Haller f.

0.9 km SE Aj. Alexandros, N edge of Lake Aliko, 1-5 m, N39°57.47' E25°22.49'. Halophytic vegetation, on sand. 4 May 2018, *Krause & Ristow 515/18*; 23 May 2019, *Krause & Ristow 209/19*.—0.7 km SE Aj. Alexandros, 0.3 km N Lake Aliko, 5 m, N39°57.58' E25°22.37'. Earth road verge. 30 May 2019, *Krause & Ristow 338/19*.—SE edge Chortarolimni, at the observation tower, 5 m, N39°53.72' E25°20.94'. Halophytic grassland. 8 May 2018, *Krause & Ristow 613/18*.—NE Lake Aliko, 3 m, N39°57.66' E25°24.17'. Semiwet grassland. 8 May 2021, *Bergmeier & Meyer (obs.)*.—S end Lake

Aliki, 3 m, N39°55.61' E25°21.56'. Semiwet grassland. 13 May 2021, *Bergmeier 21-145*.—0.5 km NE Kontopouli, 35 m, N39°55.93' E25°20.21'. Almond orchard. 14 May 2021, *Bergmeier (obs.)*.

Crepis vesicaria L.

N of Dafni, towards Papia Bay, 160 m, N39°58.4' E25°10.7'. Somewhat damp *Sarcopoterium phrygana*, ungrazed. 12 April 2018, *Bergmeier (obs.)*.—N foot Profitis Ilias, 0.8 km E Therma, 140 m, N39°54.14' E25°07.83'. Stony ground, annual vegetation/phrygana. 1 May 2018, *Krause & Ristow 455/18*.—1.3 km N Sardes, 150 m, N39°57.17' E25°08.34'. Scrub edge. 29 May 2019, *Krause & Ristow 324/19*.—Hairpin curve 0.4 km W Aj. Dimitrios, 100 m, N39°54.71' E25°08.52', Roadside, ruderal. 3 May 2018, *Krause & Ristow 485/18*.—1.4 km SW Aj. Dimitrios, 70 m, N39°54.33' E25°08.15'. Valley, somewhat damp ground. 7 May 2021, *Bergmeier 21-43*.

Helminthotheca echioides (L.) Holub

S of Paralia Papias on the road to Dafni, 27 m, N39°59.15' E25°11.38'. Cereal field. 18 April 2018, *Meyer (obs.)*.—Fakos peninsula, 14 m, N39°50.52' E25°10.12'. Cereal field. 19 April 2018, *Meyer (obs.)*.—Fakos peninsula, 47 m, N39°48.98' E25°09.26'. Cereal field. 19 April 2018, *Meyer (obs.)*.—Fakos peninsula, 1 m, N39°50.3' E25°09.7'. Arable field. 15 April 2019, *Bergmeier et al. (obs.)*.—Near Dafni (towards Atsiki), 100 m, N39°56.96' E25°10.56'. Arable field cultivated with *Lathyrus ochrus*. 16 April 2019, *Bergmeier et al. (obs.)*.—Between Livadochori and Airport, 7-10 m, N39°54.9' E25°12.7'E, N39°55.0' E25°13.4'. Arable fields, sandy-loamy. 17 October 2019, *Bergmeier & Meyer (obs.)*.—Near Kontias, 10 m, N39°52.3' E25°09.1'. Ditch. 2 October 2020, *Bergmeier (obs.)*.—1.1 km WNW Kontopouli, at the chapel, 50 m, N39°55.77' E25°19.12'. Ruderal roadside. 8 May 2018, *Krause & Ristow 611/18*.—Coastal plain 2.4 km E Thanos, N of the street, 5 m, N39°51.21' E25°07.09'. *Avena* field, partly flooded. 24 May 2019, *Krause & Ristow (obs.)*.—Moudros, S end, at the street, 5 m, N39°52.22' E25°16.195'. Ditch. 31 May 2019, *Krause & Ristow (obs.)*.—0.9 km NE Varos, 10 m, N39°56.197' E25°16.22'. Roadside. 3 October 2016, *Krause & Ristow (obs.)*.—SE edge Chortarolimni, at the observation tower, 5 m, N39°53.72' E25°20.94'. Halophytic grassland. 8 May 2018, *Krause & Ristow (obs.)*.—1 km SW of the airport approach road, 10 m, N39°55.07' E25°13.43'. Roadside, ruderal. 21 May 2019, *Krause & Ristow (obs.)*.—N foot of the hill N of Kontias, 20 m, N39°52.15' E25°08.95'. Wayside. 10 May 2018, *Krause & Ristow (obs.)*.

Hyoseris scabra L.

Myrina, the Fortress, 60 m, N39°52.63' E25°03.23'. Rock crevices. 25 April 2018, *Krause & Ristow (obs.)*.

Hypochaeris radicata L.

At the small river in road bend 0.4 km W Aj. Dimitrios, 100 m, N39°54.73' E25°08.53'. Roadside along a field. 8 October 2016, *Krause & Ristow 726/16*. Diapori, 0-1 m, N39°51.36' E25°10.36'. Semiwet pasture. 15 May 2021, *Bergmeier (obs.)*.—NW Skandali, 50 m, N39°48.53' E25°19.69'. Field margin, cairn. 6 May 2021, *Bergmeier & Meyer (obs.)*.—Above Roussopouli, 135 m, N39°52.79' E25°19.38'. Volcanic rock, fissures and ledges. 16 May 2021, *Bergmeier 21-252*.

Not recorded since Rechinger (1929: 319) and Rauh (1949). There is much variation in *H. radicata* on Limnos, including stout rock-dwelling plants referred to as var. *neapolitana* (DC) Hal. by Rechinger.

Lactuca aculeata Boiss. & Kotschy

Between Kalliopi and Keros Beach, 10 m, N39°54.5' E25°20.5'. Edge of stubble. 16 October 2019, *Bergmeier 19-464*.—Between Aj. Dimitrios and Atsiki, 65 m, N39°54.5' E25°10.7'. Edge of vineyard. 27 September 2020, *Bergmeier 20-48*.—2.5 km S of Atsiki, 30 m, N39°56.2' E25°14.1'. Fallow field. 27 September 2020, *Bergmeier 20-60*.—E of Kalliopi, 10 m, N39°54.7' E25°19.8'. Field edge and road verge. 1 October 2020, *Bergmeier 20-139*; also nearby in 1-year fallows.—Near Kontias, N39°52.3' E25°09.1'E, 12 m. 1-year fallow, and N39°52.0' E25°09.3'E, 1 m. Stubble (barley) field. 2 October 2020, *Bergmeier & Meyer, obs.*

Reported from Limnos and Lesvos by Bergmeier & Meyer (2021). Not known elsewhere in the Aegean, Greece and Europe.

Leontodon longirostris (Finch & P. D. Sell) Talavera

Diapori, 0-1 m, N39°51.36' E25°10.40'. Semiwet sheep pasture. 15 May 2021, *Bergmeier 21-207*.

Not known elsewhere in the Aegean and on the Greek mainland although former records of *L. taraxacoides* (Vill.) Mérat may belong here (Bergmeier 2021a). The latter has been identified with *Leontodon saxatilis* Lam. subsp. *saxatilis* by Greuter (2003; see also Dimopoulos & al. 2013: 208) but this species is essentially non-Mediterranean in distribution and in the Southeast reaches Bulgaria. The only other recent records of *L. longirostris* in Greece have been reported from the Ionian islands of Kerkira and Lefkada (Flora Ionica Working Group 2016+).

Picris pauciflora Willd.

Between Lychna and Repanidi, 40 m, N39°54.9' E25°17.2'. Sheep pasture. 16 April 2018, *Bergmeier 18-133*.

Podospermum laciniatum (L.) DC.

N shore of Aliko, 1.2 km SE Aj. Alexandros, 1-5 m, N39°57.42' E25°22.71'. Small patch of rocky phrygana. 4 May 2018, *Krause & Ristow 521/18*.

New to the North Aegean.

Pulicaria dysenterica (L.) Bernh.

Between Kontias and Diapori, 2 m, N39°51.3' E25°09.5'. Ditch. 15 October 2019, *Bergmeier 19-420b*.—Near Kontias, 10 m, N39°52.3' E25°09.1'. Ditch. 2 October 2020, *Bergmeier 20-166*.—0.3 km W of Therma, SW Aj. Dimitrios, 80 m, N39°54.325' E25°07.53'. Small spring at roadside. 8 October 2016, *Krause & Ristow 709/16*.—2.8 km N Sardes, 1 km WNW Katalakko, 40 m, N39°58.00' E25°08.41'. Stream banks. 29 May 2019, *Krause & Ristow (obs.)*.—0.5 km WNW Aj. Dimitrios, 150 m N of the hairpin curve, 100 m, N39°54.78' E25°08.47'. Wayside near a stream, ruderal forbs. 8 October 2016, *Krause & Ristow (obs.)*.—2.0 km SE Kaminia, 5 m, N39°51.05' E25°20.40'. Wetland. 10 October 2016, *Krause & Ristow (obs.)*.—0.8 km SE Kotsinas, 10 m, N39°56.03' E25°17.35'. Dry ditch. 9 October 2016, *Krause & Ristow (obs.)*.

Scolymus maculatus L.

S of Moudros, towards Parthenomytos, 8 m, N39°50.6' E25°16.4'. Arable fallow. 29 September 2020, *Bergmeier 20-109*.—3.0 km S of Moudros, 10 m, N39°50.68' E25°16.26'. Roadside between fields. 27 May 2019, *Krause & Ristow 282/19*.

A record of *S. grandiflorus* Desf. by Rechinger (1929: 319) queried by Strid (2016) may refer to *S. maculatus*.

Senecio leucanthemifolius Poir.

Above archaeological site of Hephaestia, 45 m, N39°57.9' E25°19.4'. *Sarcopoterium phrygana*, grazed. April 2018-17, *Bergmeier et al. (obs.)*.

New to the North Aegean.

Taraxacum sect. *Ruderalia* Kirschner, H. Øllg. & Štěpánek

Myrina, beach promenade 100 m N of the Archeological Museum, 3 m, N39°52.88' E25°03.75'. Lawn. 22 May 2019, *Krause & Ristow (obs.)*.

New to the North Aegean. Apparently a recent non-established introduction.

Xanthium orientale subsp. *italicum* (Moretti) Greuter (*X. italicum* Moretti)

0.5 km N of Platy, 60 m, N39°51.9' E25°04.4'. Road verge. 15 October 2019, *Bergmeier 19-398*.—E of Aj. Dimitrios, 65 m, N39°54.5' E25°10.7'. Vineyard, deep soil. 27 September 2020, *Bergmeier 20-52*.

Specimens identified by R. Wisskirchen. The populations cited above are somewhat heterogenous and include plants approaching *X. saccharatum* Wallr. (*X. orientale* subsp. *saccharatum* (Wallr.) B. Bock). According to R. Wisskirchen (in litt.), the two taxa cannot always be separated in the Mediterranean. Reports of *Xanthium strumarium* L. by Panitsa & al. (2003: 91) almost certainly belong here and not to *X. strumarium* s. str.

Aspleniaceae

Asplenium onopteris L.

0.5 km WSW Aj. Dimitrios, 135 m, N39°54.47' E25°08.51'. *Quercus coccifera* wood. 17 May 2021, *Bergmeier* (photo).

Boraginaceae

Buglossoides arvensis subsp. *sibthorpiana* (Griseb.) R. Fern.

0.4 km WNW Roussopouli, 30 m, N39°53.03' E25°18.15'. Wayside, field margin. 21 April 2018, *Krause & Ristow 221/18*.

Echium angustifolium Mill.

E edge of Asprolimni, 3 m, N39°55.017' E25°22.80'. Low dune. 28 April 2018, *Krause & Ristow 380/18*.—Between Kalliopi and Asprolimni, 9 m, N39°55.05' E25°22.08'. Abandoned sandy field. 13 May 2021, *Bergmeier 21-150*.

Echium arenarium Guss.

Sgouroggianni peninsula, 2.1 km ESE Pedino, 1-2m, N39°52.80' E25°12.88' Sandy beach. 21 May 2019, *Krause & Ristow 170/19*.—Edge of Asprolimni, 1 m, N39°54.92' E25°22.73'. Wayside, sand. 13 May 2021, *Bergmeier 21-152*.

New to the North Aegean (according to Dimopoulos et al. 2013 and Strid 2016) but mentioned by Richards et al. (2015: 152).

Heliotropium dolosum De Not.

Paralia Louri 1.1 km WSW Aj. Sozon, S Fisini, 5 m, N39°48.185' E25°21.14'. Sandy coastal track. 27 May 2019, *Krause & Ristow 280/19*.

Heliotropium lasiocarpum Fisch. & C.A. Mey.

Cape Sagrada SW of Moudros, 14 m, N39°51.1' E25°14.25'. Dunes. 29 September 2020, *Bergmeier 20-110*.—0.6 km W Kontopouli, N of the street, 50 m, N39°55.56' E25°19.39'. Field margin. 6 October 2016, *Krause & Ristow 680/16*.—2.3 km NNE Propouli, 1 m, N39°59.52' E25°14.57'. Beach, mouth of a dry valley, 7 October 2016, *Krause & Ristow 696/16*.

New to the North Aegean. Westernmost European record, in Greece otherwise only known from the East Aegean islands.

Heliotropium supinum L.

1.2 km N Plaka, N edge saltmarsh, 1-5 m, N40°00.99' E25°25.80'. Saltmarsh, open annual vegetation. 4 October 2016, *Krause & Ristow 650/16*.—2.0 km SE of Kaminia, 5 m, N39°51.05' E25°20.4'. Edge of small wetland, roadside. 10 October 2016, *Krause & Ristow 750/16*.

Myosotis discolor Pers.

Fakos peninsula, SW part, 95 m, N39°49.3' E25°09.0'. Sheep-grazed phrygana, formerly arable, siltstone. 14 April 2018, *Bergmeier 18-103*.

New to the North Aegean.

Brassicaceae

Arabis verna (L.) R. Br.

N foot Prof. Ilias, 0.8 km E Therma, 140 m, N39°54.14' E25°07.83'. Stony ground, annual vegetation/phrygana. 1 May 2018, *Krause & Ristow 461/18*.—N part of Kakavos, 190 m, N39°52.28' E25°06.5'. Rock. 29 April 2018, *Krause & Ristow (obs.)*.

Descurainia sophia (L.) Prantl

NE of Kontias, 9 m, N39°52.231' E25°09.899'. Field edges. 12 April 2019, *Bergmeier & Meyer (obs.)*

New to the North Aegean.

Lepidium coronopus (L.) Al-Shehbaz (*Coronopus squamatus* (Forssk.) Asch.)

Fakos peninsula, N end, 2 m, N39°51.0' E25°10.6'. Field edge, wet loamy soil turning dry. 15 April & 13 May 2019, *Bergmeier 19-31, Meyer s.n.*—N edge of saltmarsh 1.2 km N Plaka, 1-5 m, N40°00.99' E25°25.80'. Saltmarsh, open

annual vegetation. 4 October 2016, *Krause & Ristow s.n.* (Hb. Krause).—Coastal plain 2.4 km E Thanos, 1-5 m, N39°51.22' E25°07.02'. Open ground in wet meadow. 11 October 2016, *Krause & Ristow (obs.)*.

Lepidium didymum L.

Moudros, main street to the port, 10-20 m, N39°52.38' E25°16.12'. Roadside. 8 May 2018, *Krause & Ristow 617/18*. New to the North Aegean.

Sinapis alba L.

SE of Kalliopi, 11 m, N39°54.829' E25°20.760'. Cereal field. 18 April 2019, *Meyer (obs.)*.—SE of Dafni, 105 m, N39°56.94' E25°10.71'. Field margin. 10 May 2021, *Bergmeier 21-96* (plants immature, not identified to subspecies).

Cactaceae

Opuntia microdasys (Lehm.) Pfeiff.

At the cave of Philoktetes at the archeological excavation 2.8 km NW Aj. Alexandros, 10 m, N39°58.77' E25°20.47'. Phrygana. 8 May 2018, *Krause & Ristow (photo)*.

New to the Aegean. Plant on photo identified by F. Verloove. Just recently reported from the Greek mainland (Salas Pascual & Verloove 2019).

Campanulaceae

Campanula lavrensis (Toel & Rohlena) Phitos

At the waterfall ca. 1 km N Aj. Ioannis, 50 m, N39°56.3' E25°03.97'. Rocky slope. 2 May 2018, *Krause & Ristow 468/18*; 28 May 2019, *Krause & Ristow 296/19*.—100 m N of waterfall ca. 1 km N Aj. Ioannis, 60 m, N39°56.36' E25°03.98'. Hollow in SE exposed rocky slope. 28 May 2019, *Krause & Ristow 298/19*.

Endemic to the Northwest Aegean region including the Athos and Sithonia peninsulas, Thasos and Samothraki.

Capparaceae

Capparis sicula Veill.

S of Moudros, between Parthenomytos and Skandali, 40 m, N39°50.04' E25°17.08'. Road verge, stone fill. 29 September 2020, *Bergmeier 20-107*.—NE of Kotsinas, near Ifestia, 8 m, N39°57.6' E25°19.1'. Overgrazed thistle-rich pasture. 30 September 2020, *Bergmeier & Meyer (obs.)*.

New to the North Aegean.

Caryophyllaceae

Agrostemma githago L.

Fakos peninsula, N part, 10 m, N39°50.49' E 25°10.17'. Arable field, mixed cereals (barley/oats). 13 April 2018, *Meyer (obs.)*.—S of Military Radar Station Vigla, 320 m, N39°58.29' E25°04.46'. Arable field, mixed cereals (barley/oat). 20 April 2018, *Meyer & Bergmeier (obs.)*.—600 m SE of Kontias, 65 m, N39°51.53' E25°19.53'. Arable field, mixed cereals (barley/oat). 18 April 2018, *Meyer & Bergmeier (obs.)*.—1.1 km NNE of Kontias, 5 m, N39°51.98', E25°9.74'. Arable field (barley). 19 April 2018, *Meyer & Bergmeier (obs.)*.—1.3 km NW of Tsimandria, 15 m, N39°52.49' E25°9.67'. Arable field (oats). 12 April 2019, *Meyer & Bergmeier (obs.)*.—Fakos peninsula, N part, 10 m, N39°50.68' E25°10.61'. Arable field (oats). 15 May 2021, *Bergmeier (obs.)*.

Mapped by Strid (2016) based on Reching (1929: 303; see also Panitsa & al. 2003) and an unpublished record by Biel from 1998.

Paronychia echinulata Chater

Hill E above Paralia Megalo Fanaraki, ca 3.3 km SW Moudros, 10-20 m, N39°51.22' E25°14.38'. Coastal phrygana. 24 April 2018, *Krause & Ristow 286/18*.—Near the path 0.5 km NE Aj. Paraskevi, ca 2.5 km SW Platy, 50 m, N39°50.45'

E25°03.385'. Phrygana. 22 May 2019, *Krause & Ristow 194/19*.—0.3 km W water reservoir 2.1 km E Thanos, 30 m, N39°51.52' E25°06.76'. Rocky S slope. 24 May 2019, *Krause & Ristow 249/19*.
New to the North Aegean.

Saponaria jagelii Phitos & Greuter

Paralia Louri, 1.2 km SW Aj. Sozon, S Fissini, 10 m, N39°48.13' E25°21.08'. Dune. 9 May 2018, *Krause & Ristow 630/18*.

New to the North Aegean. Known only from sandy beaches in the small island of Elafonisos and the opposite Malea peninsula (S Peloponnisos). It is an interesting example for a disjunction of local Aegean endemics of sandy beaches, like *Consolida arenaria* (on the same beach on Limnos and the east coast of Rhodos; Tan & al. 2002, Panitsa & al. 2003).

Silene fabaria (L.) Sm. subsp. *fabaria*

Myrina, N edge of the beach at the promenade N of the fortress, 1 m, N39°52.9' E25°03.75'. Sandy beach. 7 May 2018, *Krause & Ristow 590/18*.

Small patch, possibly a recent introduction.

Silene nocturna L.

NW of Sardes, 280 m, N39°57.4' E25°06.4'. Sheep-grazed *Sarcopoterium phrygana*. 13 April 2018, *Bergmeier et al. (obs.)*.—Ifestia (Hephaestia), 45 m, N39°57.9' E25°19.4'. Sheep-grazed *Sarcopoterium phrygana*. 18 April 2018, *Bergmeier et al. (obs.)*.—Myrina, Fortress, 60 m, N39°52.63' E25°03.23'. Rock fissures. 25 April 2018, *Krause & Ristow 327/18*.—1.0 km NW Aj. Dimitrios, 0.7 km NNW hairpin curve, 140 m, N39°55.07' E25°08.35'. Fallow field edge. 3 May 2018, *Krause & Ristow 495/18*.—2.2 km WSW Aj. Sofia, 0.4 km ENE Skidi Beach, 10-20 m, N39°49.33' E25°18.01'. Phrygana. 6 May 2018, *Krause & Ristow 579/18*.—Moudros, churchyard Evangelistria Moudrou, 30 m, N39°52.47' E25°16.18'. Dry lawn. 21 April 2018, *Krause & Ristow 211/18*.—Kontopouli, 32 m, N39°55.75' E25°20.12'. Shady ruderal site in village. 14 May 2021, *Bergmeier (obs.)*.

Silene sedoides Poir.

Cape Aj. Sozon, 2 km SE of Fissini, 2 m, N39°48.54' E25°22.29'. Coastal rocks. 16 May 2021, *Bergmeier (obs.)*.

Spergularia diandra (Guss.) Heldr.

Quarry 1.4 km N Varos, W part, 50 m, N39°56.61' E25°15.21'. Pond edge. 29 May 2019, *Krause & Ristow 318/19*.

Vaccaria hispanica (Mill.) Rauschert

Fakos peninsula, 15 m, N39°50.68' E25°10.14'. Cereal field. 22 April 2016, *Meyer (photo)*.

Rare in the given locality.

Velezia quadridentata Sm.

1.1 km NW Aj. Ioannis, 40 m, N39°56.15' E25°03.58'. 24 May 2019, *Krause & Ristow 231/19*.—Myrina, hill foot E below the fortress, 20 m, N39°52.57' E25°03.50'. Rock fissures. 7 May 2018, *Krause & Ristow 584/18*.

Chenopodiaceae

Atriplex davisii Aellen

Between Romanou and Moudros, near Aj. Andreas, 3 m, N39°53.7' E25°16.8'. Arable (fallow), close to sea. 16 October 2019, *Bergmeier 19-443*.

New to the North Aegean. Otherwise known in the Aegean only from Lesvos, Evvia, Rodos and Crete (Strid 2016; Garve 2016).

Atriplex patula L.

Karpasi, S of Atsiki, 25 m, N39°56.1' E25°14.2'. Stubble field, sandy soil. 27 September 2020, *Bergmeier 20-56*.—Kontias, 12 m, N39°52.3' E25°09.1'. Arable young fallow, soil sandy-loamy. 2 October 2020, *Bergmeier 20-151*.—Kontias, 1 m, N39°52.0' E25°09.35'. Stubble field. 2 October 2020, *Bergmeier (obs.)*.

Chenopodium strictum Roth

0.5 km N of Platy, 60 m, N39°51.5' E25°04.3'. Ruderal road verge. 15 October 2019, *Bergmeier 19-392*.—SSW of Chortarolimni, 4 m, N39°53.5' E25°20.7'. Irrigated vegetable garden. 16 October 2019, *Bergmeier & Meyer (obs.)*.—Between Livadochori and Airport, 7 m, N39°55.0-3' E25°13.4-8'. Maize and melon fields, irrigated. 17 October 2019 and 29 September 2020, *Bergmeier & Meyer (obs.)*.—W of Atsiki, 25 m, N39°56.0-3' E25°12.25'. Vineyard and cowpea (*Vigna*) fields. 17 October 2019, *Bergmeier & Meyer (obs.)*.—Aj. Ioannis (N of Myrina), 7 m, N39°55.9' E25°03.8'. Cowpea field. 28 September 2020, *Bergmeier 20-75/76*.

Widespread and locally common on irrigated fields on Limnos; in the Aegean previously known only from Samothraki (Biel & Tan 2011: 249) and Rodos (Ristow 2016: 368), probably underreported.

Chenopodium suecicum Murr

Between Livadochori and Airport, 7 m, N39°55.0' E25°13.4'. Melon field, irrigated and heavily fertilized. 17 October 2019, *Bergmeier 19-477*.

New to Greece and the Aegean. In Limnos obviously adventitious, likely a casual introduction.

Chenopodium vulvaria L.

Between Kalliopi and Chortarolimni, 10 m, N39°54.57' E25°20.17'. Arable field (mixed cereals). 11 May 2019, *Meyer s.n.*.—Near Kontias, 12 m, N39°52.3' E25°09.1'. Arable young fallow, soil sandy-loamy. 2 October 2020, *Bergmeier & Meyer (obs.)*.—1.0 km NW Roussopouli, 50 m, N39°53.25' E25°17.81'. Edge of arable field. 20 May 2019, *Krause & Ristow (obs.)*

Dysphania multifida (L.) Mosyakin & Clemants

Roussopouli, NE edge, 30 m, N39°53.05' E25°18.67'. Roadside. 11 May 2018, *Krause & Ristow 667/18*.—*Ibid.*, village, 50 m, N39°52.93' E25°18.65'. Ruderal roadside. 31 May 2019, *Krause & Ristow 377/19*.

Oxybasis urbica (L.) S. Fuentes, Uotila & Borsch (*Chenopodium urbicum* L.)

Between Livadochori and Airport, 7 m, N39°55.0' E25°13.4'. Melon field, irrigated. 17 October 2019, *Bergmeier 19-475*.—4.8 km NW Panagia, coastal, promontory with chapel, 10 m, N40°00.93' E25°22.07'. Ruderal site. 30 May 2019, *Krause & Ristow 355/19*.

Rare in the given localities.

Salicornia perennans Willd.

Moudros, sea shore opposite Koukonisi, 1 m, N39°52.93' E25°16.20'. Silt, salt influenced. 10 October 2016, *Krause & Ristow 757/16*. - Moudros, coast, 0 m, N39°52.0' E25°16.2'. Halophytic wetland. 29 September 2020, *Bergmeier 20-101*.—Limni Chortarolimni, NE-shore, 1.5 km SSE Kalliopi, 2 m, N39°54.29' E25°20.605'. Silt, salt influenced. 10 October 2016, *Krause & Ristow 739/16*.

New to the North Aegean.

Salsola squarrosa Steven ex Moq. subsp. *squarrosa*

SSW of Chortarolimni, 4 m, N39°53.5' E25°20.7'. Vegetable garden, irrigated. 16 October 2019, *Bergmeier (obs.)*.—E Thanos, Nevgatis Beach (Zematas), 2 m, N39°51.05' E25°07.5'. Ruderalized sands near beach. 15 October 2019, *Bergmeier 19-400*.—Beach near Platy, 2 m, N39°50.2' E25°03.0'. Coastal gravel and seagrass litter. 2 October 2020, *Bergmeier (obs.)*.—Neftina Beach ca. 4.5 km W Panagia, 1-2 m, N39°59.02' E25°20.99'. Sandy beach. 12 October 2016, *Krause & Ristow (obs.)*.—1.2 km N Plaka, 0.5 km SW port of Plaka, 1-5 m, N40°00.99' E25°25.80'. Near the street. 4 October 2016, *Krause & Ristow (obs.)*.—Myrina, beach Richa Nera, S end, 1 m, N39°53.02' E25°03.77'. Slightly ruderal sandy beach. 5 October 2016, *Krause & Ristow (obs.)*.—2.3 km NNE Propouli, 1 m, N39°59.52' E25°14.57'. Beach. 7 October 2016, *Krause & Ristow (obs.)*.

According to Mosyakin (2017) the priority name is *S. squarrosa* Steven ex Moq. and the Limnian plants match the East Mediterranean subsp. *squarrosa* (with pronouncedly succulent, abruptly contracted spinose bracts). It occurs both in coastal and inland (arable) habitats. Forms with winged reddish and non-coloured tepals occur together with plants with

unwinged tepals. The monographer Rilke (1999) included such plants in *S. tragus* subsp. *pontica* (Pall.) Rilke (*S. squarrosa* subsp. *pontica* (Pall.) Mosyakin).

Sarcocornia perennis (Mill.) A. J. Scott

Chortarolimni, south end, 0 m, N39°53.6' E25°20.5'. Saltmarsh. 16 October 2019, *Bergmeier 19-456*.—Moudros, coast, 0 m, N39°52.0' E25°16.2'. Small saltmarsh. 29 September 2020, *Bergmeier 20-102*.—Asprolimni, 0-1 m, N39°54.96' E25°22.72'. Saltmarsh. 13 May 2021, *Bergmeier (obs.)*.

New to the North Aegean.

Suaeda splendens (Pourr.) Gren. & Godr.

Chortarolimni, E end, 0 m, N39°55' E25°20'. Saltmarsh. 1 October 2020, *Bergmeier 20-137*.—N edge Lake Aliko, 0.9 km SE Aj. Alexandros, 4 m, N39°57.47' E25°22.50'. Saltmarsh, silt, together with *S. maritima*. 6 October 2016, *Krause & Ristow 686/16*.

Cistaceae

Fumana arabica (L.) Spach

4.0 km S Moudros, 60 m, N39°50.135' E25°16.53'. Roadside, phrygana. 27 May 2019, *Krause & Ristow 291/19*.

Mapped by Strid (2016) based on a collection by B. Biel in 1999. Our plants belong to the conspicuous var. *incanescens* Hausskn.

Fumana laevis (Cav.) Pau

Paralia Louri 1.2 km SW Aj. Sozon, S Fisini, 10 m, N39°48.12' E25°21.04'. Upper fixed part of dune, phrygana. 5 May 2018, *Krause & Ristow 553/18*.—4.8 km NW Panagia, promontory with chapel, 5 m, N40°00.865' E25°22.07'. Coastal rocks. 30 May 2019, *Krause & Ristow 352/19*.—1.2 km SE Aj. Alexandros, N edge Aliko lake, 1-5 m, N39°57.42' E25°22.71'. Rocky phrygana-patch. 23 May 2019, *Krause & Ristow 215/19*.

Fumana laevis and *F. thymifolia* have not been distinguished in the region (and the former disregarded by Strid 2016). The distribution of *F. laevis* in Greece and the Aegean is therefore unknown. The two species are variable but well differentiated, and the Limnian plants can be identified by the differences in petal, leaf and internode size and leaf hairiness (see Güemes & Molero 1993 and Raus & Kleinstaubner 2016). Mixed stands with both species occur.

Fumana thymifolia (L.) Webb (s. str.)

At the street 0.2 km N Aj. Sofia, 50 m, N39°50.01' E25°19.76'. Roadside. 5 May 2018, *Krause & Ristow 557/18*.—2.2 km WSW Aj. Sofia, 0.4 km ENE Skidi beach, 10-20 m, N39°49.33' E25°18.01'. Phrygana. 6 May 2018, *Krause & Ristow 572/18*.—1.2 km SE Aj. Alexandros, N edge Lake Aliko, 1-5 m, N39°57.42' E25°22.71'. Patch of rocky phrygana. 4 May 2018, *Krause & Ristow 523/18*.—1.0 km W Kontopouli, 0.1 km SE of the chapel, 50 m, N39°55.76' E25°19.16'. Open grazed *Quercus macrolepis*-woodland. 8 May 2018, *Krause & Ristow 607/18*.—Northern junction at the street N Ag. Sophia, 60 m, N39°50.08' E25°19.63'. Edge of salt pan. 27 April 2018, *Krause & Ristow 1152/18*.

Commelinaceae

Commelina communis L.

Atsiki, village site, 20 m, N39°56.3' E25°13.5'. Village roadside next to irrigated garden. 17 October 2019, *Bergmeier (obs.)*

Uncertain status on Limnos, probably as yet casual occurrence. Not mapped by Strid (2016).

Convolvulaceae

Calystegia sepium (L.) R. Br.

0.2 km WSW port of Plaka, 2 m, N40°01.14' E25°25.905'. Ditch. 9 May 2018, *Krause & Ristow 618/18*.

Convolvulus elegantissimus Mill.

N of Dafni, towards Papia Bay, 180 m, N39°58.2' E25°10.7'. *Sarcopoterium phrygana*, grazed. 13 April 2018, *Bergmeier (obs.)*. —N of Katalakkos, Pachies Ammoudies, 60 m, N39°59.3' E25°08.2'. *Sarcopoterium phrygana*. 13 April 2019, *Bergmeier (obs.)*.—4.2 km S Moudros, 100 m, N39°50.07' E25°16.67'. Roadside phrygana. 27 May 2019, *Krause & Ristow 287/19*.—Roadside ca 0.6 km N Kornos, 200 m, N39°55.48' E25°07.10'. Rocky embankment. 7 May 2018, *Krause & Ristow 591/18*.—*ibid.*, N39°55.26' E25°07.02'. 10 May 2021, *Bergmeier 21-90*.—1.2 km ESE Gomati dune, ca 2.5 km NNW Katalakko, 30 m, N39°59.20' E25°08.73'. Field wayside. 7 May 2018, *Krause & Ristow 593/18*.—Roadside 5.8 km WNW Sardes, 300 m, N39°57.96' E25°04.745'. *Sarcopoterium phrygana*. 29 May 2019, *Krause & Ristow (obs.)*.—1.2 km E Aj. Dimitrios, 110 m, N39°54.735' E25°10.21'. Stony road embankment. 29 April 2018, *Krause & Ristow 388/18*.—1 km E of Dafni, 105 m, N39°56.94' E25°10.71'. Field border. 10 May 2021, *Bergmeier & Meyer (obs.)*.

Mapped by Strid (2016) based on notes communicated 2015 by S. Kokkini.

Convolvulus oleifolius Desr.

4.8 km NW Panagia, promontory with chapel, 5 m, N40°00.865' E25°22.07'. Costal rocks. 30 May 2019, *Krause & Ristow 351/19*.—3.2 km NW Panagia, 40 m, N40°00.28' E25°22.805'. Phrygana. 30 May 2019, *Krause & Ristow (obs.)*. Northernmost population known in the Aegean.

Cuscuta palaestina Boiss.

N of Dafni, towards Papia Bay, 35 m, N39°58.2' E25°10.7'. *Sarcopoterium phrygana*, grazed. 13 April 2018, *Bergmeier (obs.)*.—Paralia Louri 0.7 km WSW Aj. Sozon, SE Fisini, 10 m, N39°48.27' E25°21.36'. Upper immobilised part of dune, phrygana. 5 May 2018, *Krause & Ristow 531/18*.—2.2 km WSW Aj. Sofia, 0.4 km ENE Skidi Beach, 10-20 m, N39°49.33' E25°18.01'. Phrygana. 6 May 2018, *Krause & Ristow 575/18*.—1.0 km W Kontopouli, 0.1 km SE of the chapel, 50 m, N39°55.76' E25°19.16'. Open grazed *Quercus macrolepis* stand. 8 May 2018, *Krause & Ristow 603/18*.—0.3 km W of the water reservoir 2.1 km E Thanos, 30 m, N39°51.52' E25°06.76'. Rocky S slope. 24 May 2019, *Krause & Ristow 251/19*.—Waterfall 1 km N of Aj. Ioannis, 50 m, N39°56.30' E25°03.97'. Rocky slope. 2 May 2018, *Krause & Ristow 473/18*.

Cuscuta planiflora Ten.

Between Roussopouli and Kaminia, 110 m, N39°52.6' E25°18.9'. Ruderalized rangeland. 15 April 2018, *Bergmeier 18-113*.—N foot Profitis Ilias, 0.8 km E Therma, 140 m, N39°54.14' E25°07.83'. Stony ground, annual vegetation/phrygana. 1 May 2018, *Krause & Ristow 442/18* (with 4-5 corolla lobes). - N foot of Kakavos, 170 m, N39°52.33' E25°06.45'. Stony ground, annual vegetation. 29 April 2018, *Krause & Ristow 393/18*.

Ipomoea hederacea (L.) Jacq.

W of Aj. Dimitrios, 140 m, N39°54.4' E25°08.0'. Cultivated land, ruderal site with *Echallium elaterium*. 17 October 2019, *Bergmeier 19-471*.

New to the North Aegean. Uncertain status, in Limnos apparently a casual introduction.

Crassulaceae

Sedum caespitosum (Cav.) DC.

Between Lychna and Repanidi, 30-35 m, N39°55.1' E25°17.3'. Sheep pasture. 11 April 2019, *Bergmeier et al. (obs.)*.—E of Sardes, 130 m, N39°56.6' E25°09.0'. *Cistus phrygana*, gravelly soil. 11 April 2019, *Bergmeier et al. (obs.)*.—W of Repanidi, 20 m, N39°55.8' E25°17.4'. Sheep pasture. 14 April 2019, *Bergmeier et al. (obs.)*.—Fakos peninsula, 45 m, N39°48.6' E25°08.7'. Sheep pasture. 15 April 2019, *Bergmeier et al. (obs.)*.

Cymodoceaceae

Cymodocea nodosa (Ucria) Asch.

0.5 km SSE Lychna, 0 m, N39°54.64' E25°16.03'. Saltwater trench, washed ashore from sea. 12 October 2016, *Krause & Ristow 772/16*.—Kotsinas, beach 0.5 km SSE Maroulas chapel, 0 m, N39°56.325' E25°17.38'. Sandy beach, washed

ashore. 16 October 2016, *Krause & Ristow* (obs).—Koukonisi N Moudros, SW-side, 0 m, N39°53.10' E25°16.13'. Shallow marine water. 26 May 2019, *Krause & Ristow* 270/19.

Cyperaceae

Carex leersii F.W. Schultz

Near the hairpin-bend 0.4 km W Aj. Dimitrios, 100 m, N39°54.73' E25°08.53'. Streamside. 8 October 2016, *Krause & Ristow* 722/16.

New to the North Aegean. Of the *C. muricata* species group on Limnos, Panitsa & al (2003) reported only *C. divulsa* Stokes (as subsp *divulsa*). The occurrence of this taxon was confirmed by us (Valley 1.4 km SW of Aj. Dimitrios, 70 m, N39°54.33' E25°08.15'. Somewhat damp ground. 7 May 2021, *Bergmeier obs.*).

Carex pairae F.W. Schultz

150 m E Roussopouli, 40 m, N39°52.95' E25°18.81'. Depression, small wetland. 11 May 2018, *Krause & Ristow* 424/18. New to the North Aegean. Strid (2016) doubts all records of *C. muricata* L. (incl. *C. pairae*) from the Aegean islands but both *C. pairae* and *C. muricata* have been accepted for the Greek flora and various parts of the Aegean by Dimopoulos & al (2013: 88). However, the identity of the plants in the N Aegean is still uncertain. The above mentioned plants differ from *C. leersii* in the rather compact spike and the smaller utricles (c. 4 mm), and from *C. muricata* in the pale brown acute female glumes (Koopman & Więclaw 2017).

Carex extensa Gooden.

Kotsinas, beach 0.5 km SSE Maroulas-chapel, 2 m, N39°56.325' E25°17.38'. Slightly wet parts of sandy beach. 9 October 2016, *Krause & Ristow* 729/16; *ibid.*, 5 May 2018, *Krause & Ristow* 561/18.—Asprolimni, 0-1 m, N39°54.91' E25°22.76'. Saltmarsh. 13 May 2021, *Bergmeier* 21-153.

Mapped by Strid (2016) based on Rauh (1949: 591); not recorded since.

Cyperus capitatus Vand.

0.5 km SW port of Plaka, 1-2 m, N40°00.99' E25°25.86'. Coastal dunes. 9 May 2018, *Krause & Ristow* 632/18.—Beach 2.1 km SE Kaminia, at Ag. Triadha, 15 m, N39°50.92' E25°20.43'. Coastal dunes. 27 April 2018, *Krause & Ristow* (obs.). Mapped by Strid (2016) based on an unpublished report by B. Biel from 1998.

Schoenoplectus litoralis (Schrad.) Palla

Southern edge of the coastal plain between Chortarolimni and Keros Beach, 1 m, N39°53.76' E25°21.18'. Pond. 8 May 2018, *Krause & Ristow* 615/18.

Schoenoplectus tabernaemontani (C.C. Gmel.) Palla

2.0 km SE Kaminia, 5 m, N39°51.05' E25°20.40'. Small wetland. 10 October 2016, *Krause & Ristow* 753/16. New to the North Aegean.

Dioscoreaceae

Dioscorea communis (L.) Caddick & Wilkin

1 km SW of Aj. Dimitrios, 75 m, N39°54.24' E25°08.24'. Near stream, *Ulmus* forest. 7 May 2021, *Bergmeier & Meyer* (obs.).—1.4 km SW Aj. Dimitrios, 70 m, N39°54.34' E25°08.15'. Rivulet low terrace. 7 May 2021, *Bergmeier & Meyer* (obs.).

Mapped by Strid (2016, as *Tamus communis* L.) based on Rauh (1949: 588).

Dipsacaceae

Cephalaria transsylvanica (L.) Roem. & Schult.

Along the street 0.4 km NNE Varos, 20 m, N39°56.05' E25°15.925'. Roadside. 14 October 2016, *Krause & Ristow 799/16*.—0.9 km NE Roussopouli, 30 m, N39°53.28' E25°19.13'. Roadside with forbs. 31 May 2019, *Krause & Ristow 372/19*

Scabiosa atropurpurea L.

Along the street 0.4 km NNE Varos, 20 m, N39°56.05' E25°15.925'. Roadside. 14 October 2016, *Krause & Ristow 800/16*.—0.4 km NNE of port of Plaka, 30 m, N40°01.42' E25°26.17'. Roadside phrygana. 9 May 2018, *Krause & Ristow (obs.)*.—Fakos peninsula, Vourlidia Bay, 2 m, N39°50.5' E25°10.1'. Field margin. 15 October 2019, *Bergmeier 19-428*.—Karpasi, 30 m, N39°56.16' E25°14.12'. Abandoned field. 27 September 2020, *Bergmeier 20-59*.—1 km W of Atsiki, 43 m, N39°56.84' E25°12.51'. Verge between fields. 27 September 2020, *Bergmeier (obs.)*.
Reported by Panitsa & al. (2003; as *Sixalix atropurpurea* (L.) Greuter & Burdet) and Strid (2016) based on a collection by Rechinger (1929: 316) from 1927; not recorded since.

Euphorbiaceae

Euphorbia cf. *nutans* Lag. (*Chamaesyce* cf. *nutans* (Lag.) Small)

Aj. Ioannis, 7 m, N39°55.9' E25°03.8'. Cowpea (*Vigna*) field, together with *Euphorbia chamaesyce* L. (*Chamaesyce canescens* (L.) Prokh.). 28 September 2020, *Bergmeier 20-80*.

New to the North Aegean. The collected plants have several erect stems from base, in upper parts with hairs in lines, leaves almost glabrous; they differ from *C. nutans* in their pubescent capsules, thus resembling *E. indica* Lam. (Hügin 1998).

Fabaceae

Astragalus spruneri Boiss.

N of Plaka, near pharos, 15 m, 40°01.9' E25°26.7'. *Sarcopoterium* phrygana, calcareous marl. 17 April 2019, *Bergmeier 19-45*.—4.2 km S Moudros, 100 m, N39°50.07' E25°16.67'. Roadside phrygana. 27 May 2019, *Krause & Ristow 289/19*.—Coast of Louri beach 0.1 km W Aj. Sozon, SE Fisini, 5-10 m, N39°48.39' E25°21.685'. 27 April 2018, *Krause & Ristow 344/18*.—4.8 km NW Panagia, promontory with chapel, 5 m, N40°00.865' E25°22.07'. Coastal rocks. 30 May 2019, *Krause & Ristow (obs.)*.—3.5 km NW Panagia, 5 m, N40°00.05' E25°22.28'. Phrygana, above the coastline. 30 May 2019, *Krause & Ristow (obs.)*.—2 km NW of Panaghia, 65 m, N39°59.37' E25°23.50'. Phrygana. 14 May 2021, *Bergmeier 21-170*.—Near Cape Aj. Sozon, 5 m, N39°48.53-54' E25°21.95'-22.28'. Phrygana. 16 May 2021, *Bergmeier 21-230*.

Records of *A. monspessulanus* subsp. *illyricus* (Bernh.) Chater from Limnos (Panitsa & al. 2003: 94, mapped by Strid 2016) are likely to belong to *A. spruneri*.

Bituminaria bituminosa (L.) C.H. Stirt.

Street ca 1.5 km N Katalakko, 20 m, N39°58.67' E25°08.99'. Road embankment. 7 May 2018, *Krause & Ristow 592/18*.—1.2 km ESE Gomati dune, 2.5 km NNW Katalakko, 30 m, N39°59.20' E25°08.73'. Field wayside. 7 May 2018, *Krause & Ristow (obs.)*.

Mapped by Strid (2016) based on an unpublished report by B. Biel from 1998.

Coronilla scorpioides (L.) W. D. J. Koch

Surroundings of a Mandra between Dafni and Paralia Papias, 158 m, N39°58.41' E25°10.70'. Cereal field. 20 April 2018, *Meyer (obs.)*

Lathyrus cf. *undulatus* Boiss.

SE periphery of Myrina, towards Thanos, 43 m, N39°52.13' E25°04.35'. Roadside. 15 May 2021, *Bergmeier 21-187*.—2 km W of Aj. Dimitrios, 120 m, N39°54.71' E25°07.71'. Roadside. 17 May 2021, *Bergmeier (obs.)*.

New to Greece and the Aegean. Native in NW Turkey. Our plants may be naturalized remnants of formerly cultivated garden plants.

Lotus subbiflorus Lag.

Between Lychna and Repanidi, 40 m, N39°54.9' E25°17.2'. Sheep and rabbit pasture, formerly terraced, shallow soil wet turning dry. 16 April 2018, *Bergmeier 18-130*.—Diapori, 0-1 m, N39°51.36' E25°10.36'. Semiwet sheep pasture. 15 May 2021, *Bergmeier 21-210*.

New to the North Aegean.

Lotus tenuis Waldst. & Kit.

Quarry 1.4 km N Varos, W part, 50 m, N39°56.61' E25°15.21'. Edge of pond. 29 May 2019, *Krause & Ristow 314/19*. Approaching *L. preslii* Ten. in length of calyx teeth.

Medicago bonarotiana Arcang.

Organic farm 0.6 km ENE Aj. Dimitrios, 100 m, N39°54.87' E25°09.75'. Arable field. 28 May 2019, *Krause & Ristow s.n.*—Between Portiano and Tsimandria, 10 m, N39°52.18' E25°10.79'. Arable field. 11 May 2021, *Bergmeier 21-117*.

New to the North Aegean. Northernmost occurrences known for this species which is also known as *M. blancheana* subsp. *bonarotiana* (Arcang.) Ponert (Dimopoulos & al. 2013).

Medicago rigidula (L.) All.

Fakos peninsula, 20 m, N39°48.5' E25°08.6'. *Sarcopoterium phrygana*. 15 April 2019, *Bergmeier 19-36b*.—0.3 km E Therma, 100 m, N39°54.33' E25°07.53'. Rocky roadside. 1 May 2018, *Krause & Ristow 437/18*.—0.9 km NW Aj. Dimitrios, 0.6 km N of the hairpin curve, 120 m, N39°55.05' E25°08.50'. Edge of a hedgerow. 3 May 2018, *Krause & Ristow 505/18*.

Mapped by Strid (2016) based on Rauh (1949: 588); not recorded since.

Medicago tuberculata (Retz.) Willd.

At the cave of Philoktetes at the archeological excavation 2.8 km NW Aj. Alexandros, 5-10 m, N39°58.77' E25°20.47'. Phrygana. 8 May 2018, *Krause & Ristow 599/18*.—Between Portiano and Tsimandria, 10 m, N39°52.18' E25°10.79'. Arable field. 11 May 2021, *Bergmeier 21-115*.—SW of Atsiki, 12 m, N39°56.35' E25°13.56'. Field edge and margin. 10 May 2021, *Bergmeier 21-103*.

New to the North Aegean. Referred to as *M. turbinata* (L.) All. in ILDIS (<https://ildis.org/LegumeWeb/>) and Euro+Med (2006-).

Medicago ×*varia* Martyn

Atsiki, southeastern village exit, 20 m, N39°56.57' E25°13.56'. Field. 13 October 2016, *Krause & Ristow 783/16*.—Livadochori towards Airport, 5 m, N39°55.3' E25°13.8'. Margin of melon field. 29 September 2020, *Bergmeier 20-91*. Widely established in Greece and the Aegean as an escape of cultivation; not mapped in the Aegean by Strid (2016) where most dots of *M. sativa* L. subsp. *sativa* are likely to refer to *M. ×varia*.

Melilotus sulcatus Desf.

Chortarolimni, west side NE of Roussopouli, 2 m, N39°54.1' E25°19.5'. Saltmarsh. 15 April 2018, *Bergmeier 18-107*.—2.1 km NE Roussopouli, trackside at the SW edge of Chartarolimni, 0-5 m, N39°53.67' E25°19.89'. Margin salt lake. 22 April 2018, *Krause & Ristow 244/18*.—Coastal plain 2.4 km E Thanos, N street, 5 m, N39°51.21' E25°07.09'. *Avena* field, partly flooded. 24 May 2019, *Krause & Ristow 243/19*.—1.4 km SE Aj. Alexandros, N edge lake Aliki, 2 m, N39°57.42' E25°22.90'. Moist trackside. 23 May 2019, *Krause & Ristow 222/19*.—S end Lake Aliki, 3 m, N39°55.61' E25°21.56'. Semiwet grassland. 13 May 2021, *Bergmeier 21-147*.—Coastal flat between Thanos and Kontias, place called Nevgatis, 1 m, N39°51.20' E25°07.09'. Semiwet grassland. 15 May 2021, *Bergmeier 21-197*.

New to the North Aegean. Reports of *M. segetalis* (Brot.) Ser. from Chortarolimni (Panitsa & al. 2003: 95) might refer to *M. sulcatus*.

Onobrychis arenaria (Kit.) DC. s.l.

0.2 km N port of Plaka, 20 m, N40°01.33' E25°26.10'. Wayside in phrygana. 9 May 2018, *Krause & Ristow 624/18*.—1.2 km SE Aj. Alexandros, N edge Aliki lake, 1-5 m, N39°57.42' E25°22.71'. Small patch of rocky phrygana. 4 May 2018, *Krause & Ristow 520/18*.—Just above Paralia Louri 0.2 km W Aj. Sozon, SE Fisini, 5-10 m, N39°48.415'

E25°21.64'. Phrygana. 27 April 2018, *Krause & Ristow 350/18*.—Paralia Louri 0.1 km W Aj. Sozon, SE Fisini, 5-10 m, N39°48.39' E25°21.685'. 27 April 2018, *Krause & Ristow 346/18*.—0.7 km E of the dune Gomati, ca 2.8 km NNW Katalakko, 50 m, N39°59.33' E25°08.40'. Track margin. 7 May 2018, *Krause & Ristow 594/18*. —1.2 km E Aj. Dimitrios, 110 m, N39°54.735' E25°10.21'. Stony road embankment. 29 April 2018, *Krause & Ristow 389/18*. - W of Plaka, 20 m, N39°59.9' E25°25.0'. Dry stone wall in phrygana. 17 April 2019, *Bergmeier 19-47*.—2 km NW of Panaghia, 65 m, N39°59.37' E25°23.50'. Phrygana. 14 May 2021, *Bergmeier 21-169*.

Mapped by Strid (2016) based on an unpublished report by B. Biel from 1998. The plants collected by us have narrowly linear leaflets, peduncles 3–4 times longer than subtending leaf, standard equalling keel, calyx not patent pilose, with teeth spreading ciliate marginally, longer than tube, and conspicuous 3(4) mm long spines on legume. They match subsp. *lasiostachya* (Boiss.) Hayek as described by Strid (2016) but not the characteristics given by Hedge (1970: 576, as *O. lasiostachya* Boiss.). Following the latter author, our plants might rather belong to *O. oxyodonta* Boiss., according to Dimopoulos & al. (2013: 286; “All Greek records need revision”) a species of doubtful occurrence in the country. In fact, the whole group is in need of revision.

Ononis serrata Forssk.

Aj. Sofia, below the windmill ruins, 60 m, N39°50.16' E25°19.61'. Dry sand. 16 May 2021, *Bergmeier 21-234*.

New to the North Aegean. The similar *O. diffusa* Ten. reported by Panitsa & al. (2003: 95) was not found by us. Our collection has leaflets with 4-6 teeth on either side and seeds 1.5 mm long.

Ornithopus pinnatus (Mill.) Druce

Diapori, 0-1 m, N39°51.36' E25°10.36'. Semiwet sheep pasture. 15 May 2021, *Bergmeier 21-215*.

Pisum elatius M. Bieb. (*P. sativum* subsp. *elatius* (M. Bieb.) Asch. & Graebn.)

0.9 km NW Aj. Dimitrios, 0.6 km N of the hairpin curve, 120 m, N39°55.05' E25°08.50'. Edge of hedgerow. 3 May 2018, *Krause & Ristow 500/18*.

The Limnos dot of *P. sativum* L., mapped by Strid (2016) and not identified to subspecies, is based on a collection from 1970 (“Valley just West of Ajios Dimitrios by the edge of a field by the river”, *Jeavons 7915*, ATH) which almost certainly refers to the same site and population as our record about 50 years later.

Retama monosperma (L.) Boiss.

Near Poliochni (archaeological site), 10 m, N39°51.0' E25°20.4'. Overgrown dune. 15 April 2018, *Bergmeier 18-119*.

Found 1999 in apparently the same site by Biel (2002: 212-213), extensive shrub, apparently naturalized then and now. Not mapped by Strid (2016: “doubtfully naturalized”). Perhaps originating from a plant introduced during the Italian occupation.

Styphnolobium japonicum (L.) Schott (*Sophora japonica* L.)

N foot of the hill at N edge of Kontias, 20 m, N39°52.13' E25°08.98'. Rocky base of embankment, small tree. 10 May 2018, *Krause & Ristow 646/18*.

This ornamental tree originating of East Asia is in Greece not known elsewhere in the wild.

Trifolium michelianum Savi

Edge of Varos, 12 m, N39°55.64' E25°15.68'. Low slope at wayside. 9 May 2021, *Bergmeier 21-80*; *ibid.*, 14 May 2021, *Bergmeier 21-157*.

A genetic resource mentioned by Thomas & al. (2012: 1421) was not specified as to its origin.

Trifolium micranthum Viv.

Diapori, 0-1 m, N39°51.37' E25°10.40'. Semiwet sheep pasture. 15 May 2021, *Bergmeier 21-206*.

Trifolium pachycalyx Zohary

Diapori, 0-1 m, N39°51.37' E25°10.40'. Semiwet sheep pasture. 15 May 2021, *Bergmeier 21-202*.—1.5 km NW of Roussopouli, 50 m, N39°53.49' E25°17.51'. Semiwet wayside between fields. 26 April 2018, *Krause & Ristow 341/18*.

New to Greece and the Aegean (Bergmeier & al. 2021). Regional endemic.

Trifolium pallidum Waldst. & Kit.

1 km NNW above Panaghia, 70 m, N39°59.29' E25°23.91'. Disturbed site in phrygana. 14 May 2021, *Bergmeier 21-175*.

Trifolium pilulare Boiss.

250 m E Therma, 100 m, N39°54.32' E25°07.48'. Roadside. 1 May 2018, *Krause & Ristow 440/18*.

Trifolium repens L.

SW of Repanidi, 34 m, N39°54.98' E25°17.205'. Mixed cereal field. 16 April 2018, *Meyer (obs.)*.—Roussopouli, near the church, 50 m, N39°52.88' E25°18.60'. Newly sown lawn. 20 May 2019, *Krause & Ristow (obs.)*.

Regional status uncertain.

Trifolium squamosum L.

Paralia Megalo Fanaraki, ca 3.3 km SW Moudros, 1-2 m, N39°51.25' E25°14.33'. Small patch of seasonally wet grassland behind the dune. 24 April 2018, *Krause & Ristow 273/18*.—S end Lake Aliki, 3 m, N39°55.61' E25°21.57'. Semiwet grassland. 13 May 2021, *Bergmeier 21-142*.

Vicia parviflora Cav.

Between Lychna and Repanidi, 40 m, N39°55.0' E25°17.3'. Arable field, sandy. 16 April 2018, *Bergmeier 18-126*.—N of Dafni, towards Papia Bay, 180 m, N39°58.2' E25°10.7'. *Sarcopoterium* phrygana. 13 April 2018, *Bergmeier (obs.)*.—NW of Sardes, 150 m, N39°56.7' E25°07.9'. *Sarcopoterium* phrygana. 17 April 2018, *Bergmeier et al. (obs.)*.—Between Chortarolimni and Keros Beach, N edge of the coastal area, 2-3 m, N39°54.38' E25°21.17'. wet-dry sand, 28 April 2018, *Krause & Ristow 372/18*.—450 m W of the water reservoir 2 km E of Thanos, 30 m, N39°51.54' E25°06.655'. Wet place in phrygana. 24 May 2019, *Krause & Ristow 256/19*.—1.4 km SW Aj. Dimitrios, 70 m, N39°54.33' E25°08.15'. Valley, somewhat damp ground. 7 May 2021, *Bergmeier 21-45*.

Vicia sativa subsp. *macrocarpa* (Moris) Arcang.

At the junction 1.5 km WNW Kontopouli, 0.4 km NW of the chapel, 40 m, N39°55.88' E25°18.82'. Ruderal roadside. 8 May 2018, *Krause & Ristow 612/18*.—0.4 km NNE of port of Plaka, 30 m, N40°01.42' E25°26.17'. Roadside phrygana. 9 May 2018, *Krause & Ristow (obs.)*.

Vicia segetalis Thuill.

450 m W of the water reservoir 2 km E of Thanos, 30 m, N39°51.54' E25°06.655'. Wet place in phrygana. 24 May 2019, *Krause & Ristow 257/19*.—SE edge of Chortarolimni, at the observation tower, 5 m, N39°53.72' E25°20.94'. Halophilous grassland. 28 April 2018, *Krause & Ristow 385/18*.—NE end of Lake Aliki, place called Amniou, 5 m, N39°57.27' E25°23.51'. Ruderal site among ruins. 8 May 2021, *Bergmeier 21-68*.

Not mapped by Strid (2016) nor listed by Dimopoulos & al. (2013) where the species was not differentiated from *V. sativa* subsp. *nigra* (L.) Ehrh. and *V. angustifolia* L., respectively. Possibly the predominant taxon with narrow leaflets of the *V. sativa* species group in the Aegean.

Fumariaceae

Fumaria capreolata L.

0.2 km ENE Roussopouli, 40 m, N39°53.07' E25°18.775'. Wall. 22 April 2018, *Krause & Ristow 234/18*.—Roussopouli, village, 40-50 m, N39°52.97' E25°18.58'. Wall. 22 April 2018, *Krause & Ristow (obs.)*.—Just W of Aj. Dimitrios, edge of valley, 100 m, N39°54.73' E25°08.53'. Wayside near stream. 17 May 2021, *Bergmeier (obs.)*.—0.7 km S of Aj. Dimitrios, 80 m, N39°54.29' E25°08.92'. *Ulmus* gallery forest by a stream. 17 May 2021, *Bergmeier (obs.)*.

Fumaria kralikii Jord.

Myrina, quarter SE of the port, 5-10 m, N39°52.42' E25°03.73'. Fallow land, ruderal. 10 May 2018, *Krause & Ristow 637/18*.

Gentianaceae

Centaurium tenuiflorum (Hoffmanns. & Link) Fritsch

Metochi at NW side of Fakos peninsula, 8 m, N39°50.6' E25°10.2'. Stubble field, seasonally wet soil. 2 October 2020, *Bergmeier 20-172*.—S end Chortarolimni, 1 m, N39°53.6' E25°20.5'. Saltmarsh. 16 October 2019, *Bergmeier 19-450*.—2 km ESE of Kaviri Sanctuary, 50 m, N39°58.60' E25°21.78'. Annual-rich spot in *Sarcopoterium phrygana*. 14 May 2021, *Bergmeier 21-183*.

Geraniaceae

Erodium gruinum (L.) L'Hér.

0.5 km WNW Aj. Dimitrios, 0.1 km N of the hairpin curve, 110 m, N39°54.77' E25°08.50'. Track wayside parallel to the stream, ruderal. 3 May 2018, *Krause & Ristow 487/18*.

Mapped by Strid (2016) based on unpublished records communicated by Jeavons in 1970 and Biel in 1998 at the villages of Thanos and Kornos, respectively.

Erodium malacoides (L.) L'Hér.

Myrina, city, E of the port, 5 m, N39°52.47' E25°03.67'. Fallow land, ruderal. 10 May 2018, *Krause & Ristow 636/18*.

Haloragaceae

Myriophyllum spicatum L.

Quarry 1.4 km N Varos, W part, 50 m, N39°56.61' E25°15.21'. Pond. 29 May 2019, *Krause & Ristow 312/19*.

New to the North Aegean.

Hyacinthaceae

Ornithogalum montanum Cirillo

Hill E above Paralia Megalo Fanaraki, ca 3.3 km SW Moudros, 10-20 m, N39°51.22' E25°14.38'. Coastal phrygana. 24 April 2018, *Krause & Ristow 288/18* (narrow-leaved form). - Hilltop 1.0 km NW Roussopouli, 70 m, N39°53.37' E25°17.95'. Rocky ground with annual-rich vegetation, 20 May 2019, *Krause & Ristow 148/19*.

Determined by S. Rätzl.

Ornithogalum umbellatum L. s.l.

4.2 km S Moudros, 100 m, N39°50.07' E25°16.67'. Roadside phrygana. 27 May 2019, *Krause & Ristow 288/19*.

Determined by S. Rätzl. Mapped by Strid (2016) based on unpublished records by Snogerup in 1997 and Biel in 1998 identified by T. Landström (as *O. umbellatum* var. *divergens* (Boreau) Beck) and H. Nielsen, respectively. The taxon tentatively named *O. divergens* Boreau (Dimopoulos & al. 2003: 102) is perhaps the predominant one of the *O. umbellatum* group in the Aegean.

Hypericaceae

Hypericum empetrifolium Willd.

N of Repanidi, plain of Aj. Ypatios towards Ifestia, 55 m, N39°56.5' E25°18.2'. *Cistus-Sarcopoterium* phrygana, sandy soil. 17 April 2018, *Bergmeier et al. (obs.)*.—Above archaeological site of Hephaestia, 45 m, N39°57.9' E25°19.4'. *Sarcopoterium* phrygana, grazed. 17 April 2018, *Bergmeier et al. (obs.)*.

Hypericum perforatum subsp. *veronense* (Schrank) Ces.

0.3 km W Aj. Dimitrios, S of the hairpin curve, 110 m, N39°54.65' E25°08.55'. Roadside. 8 October 2016, *Krause & Ristow 723/16*.—N of Dafni, towards Papia Bay, 160 m, N39°58.4' E25°10.7'. Somewhat damp *Sarcopoterium* phrygana, ungrazed. 12 April 2018, *Bergmeier (obs.)*.—0.9 km NW Aj. Dimitrios, 0.6 km N of the hairpin curve, 120 m, N39°55.05' E25°08.50'. Edge of hedgerow. 3 May 2018, *Krause & Ristow 501/18*.—Track 2.8 km N Sardes, 1 km WNW Katalakko, 40 m, N39°58.00' E25°08.405'. Along small stream. 29 May 2019, *Krause & Ristow 330/19*.—1.4 km SW of Aj.

Dimitrios, 70 m, N39°54.33' E25°08.15'. Valley, somewhat damp ground. 7 May 2021, *Bergmeier (obs.)*, together with *H. perfoliatum*.—1.5 km SSW of Aj. Dimitrios, 55 m, N39°53.88' E25°08.65'. Abandoned field. 17 May 2021, *Bergmeier (obs.)*.

Mapped by Strid (2016) based on Rechinger (1929: 305) and an unpublished note by Biel from 1998.

Iridaceae

Gladiolus italicus Mill.

Vigla, NW of the Lemnos landfill on the road to the radar station. 287 m, N39°57.82' E25°05.36'. Cereal field. 23 April 2016, *Meyer (obs.)*.—S of Paralia Papias on the road to Dafni, 27 m, N39°59.15' E25°11.38'. Cereal field. 18 April 2018, *Meyer (obs.)*.—0.5 km W of Lychna, 10 m, N39°54.9' E25°15.5'. Barley field. 6 May 2021, *Bergmeier & Meyer (obs.)*. Rare in the given localities. Mapped by Strid (2016) based on a single recent collection by Sfikas in 2008 published by Tan & al. (2008: 446).

Juncaceae

Juncus maritimus Lam.

0.5 km S of Moudros, 0-1 m, N39°51.98' E25°16.17'. Saltmarsh. 29 September 2020, *Bergmeier 20-97, 20-100*.—Asprolimni, 0-1 m, N39°54.96' E25°22.71'. Saltmarsh. 13 May 2021, *Bergmeier 21-154*.

Mapped by Strid (2016) based on Rauh (1949); not recorded since.

Lamiaceae

Ballota nigra L. subsp. *nigra*

Edge of village Kontias, 5 m, N39°51.7' E25°09.4'. Ruderal site. 15 October 2019, *Bergmeier 19-414*.—Rivulet in hairpin curve 0.4 km W Aj. Dimitrios, 100 m, N39°54.73' E25°08.53'. Roadside along a field. 8 October 2016, *Krause & Ristow 719/16* (With more or less reflexed calyx teeth this collection approaches *Ballota nigra* subsp. *anatolica* P.H. Davis).

Lamium garganicum L. subsp. *garganicum*

0.5 km WNW Aj. Dimitrios, 0.1 km N of the hairpin curve, 110 m, N39°54.77' E25°08.50'. Track wayside parallel to the stream, ruderal. 3 May 2018, *Krause & Ristow 488/18*.—0.7 km S of Aj. Dimitrios, 80 m, N39°54.29' E25°08.92'. *Ulmus* gallery forest by a stream. 17 May 2021, *Bergmeier 21-267*.

Lycopus europaeus L.

0.2 km WSW port of Plaka, 2 m, N40°01.14' E25°25.905'. Ditch. 9 May 2018, *Krause & Ristow (obs.)*.

Mentha longifolia subsp. *typhoides* (Briq.) Harley

Near the hairpin curve 0.4 km W Aj. Dimitrios, 100 m, N39°54.73' E25°08.53'. Stream margin. 8 October 2016, *Krause & Ristow 725/16*.

Mapped by Strid (2016) based on a collection in ATH by Jeavons in 1970.

Micromeria juliana (L.) Rechb.

Myrina, Fortress, 70 m, N39°52.68' E25°03.27'. Rocks. 5 October 2016, *Krause & Ristow 660/16*.—At the waterfall ca. 1 km N Aj. Ioannis, 50 m, N39°56.30' E25°03.97'. Rocky slope. 2 May 2018, *Krause & Ristow 472/18*.—Kakavos, slope opposite the chapel, 200 m, N39°51.93' E25°06.37'. SW exposed rocky slope. 29 April 2018, *Krause & Ristow 421/18*.

Micromeria myrtifolia Boiss. & Hohen.

Kornos, WSW village edge, 130 m, N39°55.03' E25°06.93'. Edge of phrygana. 8 October 2016, *Krause & Ristow 782/16*.—2.2 km WSW Aj. Sofia, 0.4 km E Skidi beach, 15 m, N39°49.30' E25°17.97'. Phrygana. 6 May 2018, *Krause & Ristow 582/18*.—0.2 km SW graveyard of Roussopouli, 60 m, N39°52.785' E25°18.425'. Road embankment. 11 May 2018, *Krause & Ristow 671/18*.

New to the North Aegean. Biel & Tan (2014b) could not confirm its alleged occurrence in Samothraki.

Prasium majus L.

South of Paralia Papias, 41 m, N39°58.93' E25°11.31'. *Sarcopoterium phrygana*, not grazed. 13 April 2018, *Panitsa (obs.)*.

Given by Panitsa & al. (2003: 94, as “scattered”), not mapped by Strid (2016) due to missing locality data.

Salvia clandestina L.

Paralia Louri 0.7 km WSW Aj. Sozon, SE Fisini, 10 m, N39°48.27' E25°21.36'. Upper immobilised part of dune, *phrygana*. 5 May 2018, *Krause & Ristow 537/18*.

Frequently synonymized with *S. verbenaca* L. (Euro+Med 2006-, Dimopoulos & al. 2013: 236). Both taxa are probably widespread in the Aegean, and distinguishable e.g. by the form of calyx and length of style (Del Carratore & al. 1998).

Sideritis montana L. subsp. *remota* (d'Urv.) P. W. Ball

Paralia Louri 0.3 km WSW Aj. Sozon, SE Fisini, 5-10 m, N39°48.35' E25°21.59'. Upper part of sandy beach. 27 April 2018, *Krause & Ristow 344/18*.—Aj. Sozon, SE of Fisini, 5 m, N39°48.4' E25°21.6'. Coastal *phrygana*, sandy ground. May 2021-06, *Bergmeier 21-16*.

The similar *S. lanata* L. was reported in the same area (Panitsa & al. 2003: 94) but not mapped by Strid (2016); a misidentification of the villose plants is not unlikely. Our collection is densely-hairy, yellowish-flowered with brown upper lip, lower lip exceeding upper, leaves lanceolate, denticulate towards apex.

Linaceae

Linum trigynum L.

N of Plaka, near pharos, 15 m, 40°01.9' E25°26.7'. *Sarcopoterium phrygana*, marly ground. 17 April 2019, *Bergmeier (obs.)*.

Mapped by Strid (2016) on the NW side of the island based on a collection by Devalez reported by S. Kokkini.

Lythraceae

Lythrum tribracteatum Spreng.

Quarry 1.4 km N Varos, W part, 50 m, N39°56.61' E25°15.21'. Pond edge. 29 May 2019, *Krause & Ristow 315/19*.—Coastal plain 2.4 km E Thanos, N street, 5 m, N39°51.21' E25°07.09'. *Avena* field partly flooded. 24 May 2019, *Krause & Ristow 235/19*.—N edge Chortarolimni, 1 m, N39°54.30' E25°20.63'. Edge of saltmarsh. 9 May 2021, *Bergmeier 21-86*.—Coastal flat between Thanos and Kontias, place called Nevgatis, 1 m, N39°51.22' E25°07.05'. Depression in semiwet grassland. 15 May 2021, *Bergmeier 21-200a*.

Malvaceae

Abutilon theophrasti Medik.

Eastern edge of Kontias, 4 m, N39°51.7' E25°09.4'. Maize field. 15 October 2019, *Bergmeier (obs.)*.

Althaea officinalis L.

SW of Repanidi, 35 m, N39°54.94' E25°17.17'. Sheep pasture. 16 April 2018, *Panitsa (obs.)*.

Malva cretica Cav.

1 km NNW above Panaghia, 70 m, N39°59.29' E25°23.91'. Disturbed site in *phrygana*. 14 May 2021, *Bergmeier (obs.)*.

Malva multiflora (Cav.) Soldano & al. (*Lavatera cretica* L.)

Thanos, village, 45 m, N39°51.24' E25°05.22'. Earth heap, rubble. 15 May 2021. *Bergmeier 21-190a*.—Skandali, village, 42 m, N39°48.3' E25°20.0'. Abandoned orchard. 6 May 2021, *Bergmeier & Meyer (obs.)*.—3 km NE of Myrina, 42 m, N39°54.25' E25°06.55'. Earth heap near road. 14 May 2021, *Bergmeier (obs.)*. Myrina, Odos Garoufalidou, 10 m,

N39°52.59' E25°03.70'. Edge of archaeological excavation. 17 May 2021, *Bergmeier (obs.)*.—Myrina, Odos Aj. Nikolaou, 8 m, N39°52.52' E25°03.67'. Abandoned garden. 18 May 2021, *Bergmeier (obs.)*.

Onagraceae

Epilobium tetragonum L.

SW of Kalliopi, 17 m, N39°54.76' E25°19.86'. Seasonally wet arable field. 14 May 2019, *Meyer s.n.*.—Roussopouli, SW edge, along a small stream, 50 m, N39°52.87' E25°18.55'. Stream margin. 31 May 2019, *Krause & Ristow (obs.)*.—0.9 km NNW Fisini, 10-20 m, N39°49.39' E25°20.50'. Dry riverbed. 12 October 2016, *Krause & Ristow 777/16 (s.l.)*.—Fissini, northern edge at the street, 10 m, N39°49.00' E25°20.77'. Ditch. 5 May 2018, *Krause & Ristow 558/18*.—Coastal plain 2,4 km E Thanos, N of the street, 5 m, N39°51.21' E25°07.09'. Wet grassland. 31 May 2019, *Krause & Ristow 362/19*.—Between military airport and Varos, 12 m, N39°55.99' E25°14.71'. Fallow field. 12 May 2021, *Bergmeier & Meyer (obs.)*.—*Ibid.*, N39°56.00' E25°14.92'. 13 May 2021, *Bergmeier (obs.)*.—Coastal flat between Thanos and Kontias, 1 m, N39°51.20' E25°07.09'. Seasonally wet grassland. 15 May 2021, *Bergmeier (obs.)*.

Oenothera glazioviana Micheli

Road 0.8 km SSE Kaminia, direction Aj. Sofia, 40 m, N39°51.32' E25°19.65'. Roadside. 11 May 2018, *Krause & Ristow 654/18*.

New to the North Aegean. Few plants ca. 250 m from a small settlement, casual-appearing, not established.

Orchidaceae

Serapias parviflora Parl.

At the coast 0.5 km NW of the pier of Moudros, 5-10 m, N39°52.61' E25°15.81'. Patch of phrygana above the shoreline. 21 April 2018, *Krause & Ristow (photo)*.

New to the North Aegean.

Orobanchaceae

Phelipanche hedypnoidis Rätzl, Ristow & Uhlich

Moudros, 0.3 km NW of the northern pier, 1 m, N39°52.50' E25°15.815'. Coastal roadside. 21 April 2018, *Krause & Ristow 200/18*.—0.2 km ENE Roussopouli, 40 m, N39°53.07' E25°18.775'. Embankment field track. 22 April 2018, *Krause & Ristow 228/18*.—At the chapel Aj. Sozon, SE Fisini, 20 m, N39°48.44' E25°21.76'. Edge of phrygana, slightly ruderal, on *Asteriscus aquaticus*. 27 April 2018, *Krause & Ristow 349/18*.—N foot of Profitis Ilias, 0.8 km E Therma, 140 m, N39°54.14' E25°07.83'. Stony ground, annual vegetation in phrygana, on *Hedypnois rhagadioloides* subsp. *tubaeformis*. 1 May 2018, *Krause & Ristow 463/18*.

New to the North Aegean. The most common *Phelipanche* on Limnos. We could also confirm *Ph. mutellii* s.l. (incl. *Ph. nana* (Reut.) Soják) (once, on *Rumex tuberosus* L.) which is rare on Limnos.

Oxalidaceae

Oxalis pes-caprae L.

Between Kontopouli and Repanidi, 20 m, N39°55.5' E25°19.1'. *Quercus macrolepis* grove, ground heavily disturbed by rabbits. 11 April 2019, *Bergmeier et al. (obs.)*.—0.5 km SE Aj. Alexandros, junction in the fields N of Aliko, 1-5 m, N39°57.66' E25°22.28'. Field margin, few sqm. 23 April 2018, *Krause & Ristow 254/18*.—Roussopouli, village, 40-50 m, N39°52.97' E25°18.58'. Roadside, two small patches. 22 April 2018, *Krause & Ristow (obs.)*.—At the waterfall 1 km N Aj. Ioannis, 50 m, N39°56.30' E25°03.97'. 2 May 2018, *Krause & Ristow (obs.)*.—Kontias, village, 30 m, N39°51.9' E25°08.9'. Shaded ruderal vegetation. 11 May 2021, *Bergmeier & Meyer (obs.)*.

Papaveraceae

Glaucium corniculatum (L.) Rudolph

0.1 km W port of Plaka, 10 m, N40°01.28' E25°26.17'. Fallow field. 9 May 2018, *Krause & Ristow 622/18*.—2 km NW of Panagia, 40 m, N39°59.50' E25°23.05'. Edge of arable field. May 2021-14, *Bergmeier (obs.)*.

Papaver sect. *Argemonidium*

Fakos peninsula, SW end, 1 m, N39°48.5' E25°08.5'. Coastal sands. 15 April 2019, *Bergmeier 19-33*.—Louri beach 0.3 km WSW Aj. Sozon, SE Fisini, 5 m, N39°48.35' E25°21.60'. Upper stabilized part of dune, phrygana. 27 April 2018, *Krause & Ristow 355/18*.—0.5 km NW of Skandali, 45 m, N39°48.53' E25°19.70'. Field margin, sandy ground. 6 May 2021, *Bergmeier 21-13*.

An apparently undescribed species, on Limnos recorded and mapped under *Papaver argemone* subsp. *nigrotinctum* (Fedde) Kadereit (Panitsa & al. 2003: 97; Strid 2016) but different in petal colour, capsule and habitat.

Plantaginaceae

Linaria chalepensis (L.) Mill.

0.5 km W of Lychna, 10 m, N39°54.9' E25°15.5'. Barley field. 6 May 2021, *Bergmeier & Meyer (obs.)*.

Plantago indica L. (*P. arenaria* Waldst. & Kit.)

Keros Beach, SE of Kalliopi, 1 m, N39°53.4' E25°21.5'. Coastal dunes. 16 October 2019, *Bergmeier 19-467*.

Plumbaginaceae

Limonium sieberi (Boiss.) Kuntze

Cape Sagrada SW of Moudros, near pharos, 3 m, N39°51.1' E25°14.3'. Coastal rock and sands. 29 September 2020, *Bergmeier 20-112*.

New to the North Aegean. Specimen confirmed by M. Erben (Munich).

Poaceae

Achnatherum bromoides (L.) P. Beauv.

N of Dafni, towards Papia Bay, 35 m, N39°58.9' E25°11.3'. *Sarcopoterium* phrygana. 12 April 2018, *Bergmeier et al. (obs.)*.—*ibid.*, 160 m, N39°58.4' E25°10.7'. *Sarcopoterium* phrygana. 12 April 2018, *Bergmeier (obs.)*

Aegilops markgrafii (Greuter) K. Hammer

1.3 km ESE Pedino, 40 m, N39°52.87' E25°12.26'. Roadside, field margin. 21 May 2019, *Krause & Ristow 177/19*.—5.8 km WNW Sardes, 300 m, N39°57.96' E25°04.745'. *Sarcopoterium* phrygana. 29 May 2019, *Krause & Ristow 331/19*.—2.3 km NW of Panaghia, 50 m, N39°59.40' E25°22.92'. Annual-rich phrygana. 14 May 2021, *Bergmeier (obs.)*. A genetic resource not specified as to its origin was mentioned by Thomas & al. (2012: 1421, *Ae. caudata* L.).

Aira caryophyllea L.

Between Lychna and Repanidi, 35 m, N39°55.1' E25°17.3'. Sheep pasture. 11 April 2019, *Bergmeier 19-12a*.

New to the North Aegean.

Alopecurus myosuroides Huds.

Between Kontias and Port Diapori, 7 m, N39°51.68' E25°09.74'. Cereal fields. 10 April 2018, *Meyer (obs.)*.—NNE of Kontias, 8 m, N39°52.04' E25°09.65'. Cereal field. 10 April 2018, *Meyer (obs.)*.—E of Kontias, 11 m, N39°52.00' E25°09.35'. Barley field. 12 April 2019, *Bergmeier & Meyer s.n.*

The floristic status is doubtful but probably an established non-native species. It may have been introduced recently with alfalfa seed from Italy.

Anthoxanthum ovatum Lag.

N foot of Kakavos, 170 m, N39°52.33' E25°06.45'. Stony ground, annual vegetation. 29 April 2018, *Krause & Ristow 391/18*.—Beach 0.6 km S of Lychna, 1 m, N39°54.55' E25°15.86'. Upper ruderal part of sandy beach. 11 May 2018,

Krause & Ristow 657/18.—Wayside 0.5 km NE of Aj. Paraskevi, ca 2.5 km SW Platy, 50 m, N39°50.45' E25°03.385'. Phrygana. 22 May 2019, *Krause & Ristow 197/19*.—Diapori, 0-1 m, N39°51.37' E25°10.40'. Seasonally wet sheep pasture. 15 May 2021, *Bergmeier 21-212*.

Arrhenatherum palaestinum Boiss.

Kakavos, grotto by the chapel, 180 m, N39°51.90' E25°06.42'. Rocky slope. 29 April 2018, *Krause & Ristow 412/18*.

Avena sterilis L. subsp. *sterilis*

1.7 km SE of Atsiki, 20 m, N39°56.07' E25°14.266'. Arable field (mixed cereals). 8 May 2021, *Bergmeier 21-57*.

A. s. subsp. *ludoviciana* (Durieu) Gillet & Magne is by far the commonest of the two subspecies in Limnos.

Brachypodium sylvaticum (Huds.) P. Beauv. s. l.

Kotsinas, 0.5 km SSE of the Maroulas chapel, posterior part of the beach, 2-5 m, N39°56.33' E25°17.38'. Edge of reeds, semiwet sands. 9 October 2016, *Krause & Ristow 732/16*; 31 May 2019, *Krause & Ristow 365/19*.

Briza minor L.

SW of Repanidi, 36 m, N39°54.955' E25°17.223'. Sheep pasture. 16 April 2018, (*obs.*)*Panitsa (obs.)*.—Between Chortarolimni and Keros Beach, N-edge of the coastal plain, 2-3 m, N39°54.38' E25°21.17'. Semiwet sands. 28 April 2018, *Krause & Ristow 369/18*.—SE edge Chortarolimni, at the observation tower, 5 m, N39°53.72' E25°20.94'. Saline grassland. 8 May 2018, *Krause & Ristow (obs.)*.—NE of Lake Aliko, area called Amniou, 3 m, N39°57.66' E25°24.17'. Seasonally wet grassland. 8 May 2021, *Bergmeier & Meyer 21-72*.

Bromus alopecuroides Poir. subsp. *alopecuroides*

N foot Prof. Ilias, 0.8 km E Therma, 140 m, N39°54.14' E25°07.83'. Stony ground, annual vegetation in phrygana. 1 May 2018, *Krause & Ristow 457/18*.—Myrina, the Fortress, 60 m, N39°52.63' E25°03.23'. Rock fissures. 25 April 2018, *Krause & Ristow 324/18*.—150 m E Roussopouli, 40 m, N39°52.95' E25°18.81'. Small wetland. 11 May 2018, *Krause & Ristow 668/18*.—1.3 km SW of Aj. Dimitrios, 80 m, N39°54.31' E25°08.20'. Arable field. 7 May 2021, *Bergmeier & Meyer (obs.)*.—1 km WSW of Aj. Dimitrios, 110 m, N39°54.52' E25°08.15'. Arable field. 7 May 2021, *Bergmeier 21-34*.—0.4 km W of Aj. Dimitrios, 100 m, N39°54.73' E25°08.53'. Mesic ruderal wayside. 17 May 2021, *Bergmeier (obs.)*.—Fakos peninsula, W part, 15 m, N39°49.80' E25°09.64'. Field margin, sloped. 12 May 2021, *Bergmeier & Meyer (obs.)*.—0.5 km S of Roussopouli, 100 m, N39°52.63' E25°18.66'. Mesic grassy slope. 16 May 2021, *Bergmeier (obs.)*.

New to the North Aegean.

Bromus arvensis L. subsp. *parviflorus* (Desf.) H. Scholz

0.5 km S of Atsiki, 15 m, N39°56.35' E25°13.56'. Grassy wayside, adjacent field. 10 May 2021, *Bergmeier 21-102*.

New to the Aegean. The taxon is widespread but uncommon and in Greece as yet only known in the NE mainland.

Bromus japonicus Thunb.

N foot Prof. Ilias, 0.8 km E Therma, 140 m, N39°54.14' E25°07.83'. Stony ground, annual vegetation in phrygana. 1 May 2018, *Krause & Ristow 459/18*.

Cynosurus effusus Link in Schrad.

1.4 km SW Aj. Dimitrios, 70 m, N39°54.33' E25°08.15'. Valley, somewhat damp ground. 7 May 2021, *Bergmeier (obs.)*.

Crypsis aculeata (L.) Aiton

N edge of Saltmarsh 1.2 km N Plaka, 1-5 m, N40°00.99' E25°25.80'. Open ground, annual vegetation in saltmarsh, 4 October 2016, *Krause & Ristow 647/16*.—2.0 km SE Kaminia, N39°51.05' E25°20.40'. Wetland, mouth of a rivulet. 10 October 2016, *Krause & Ristow 751/16*.—Coastal plain 2.4 km E Thanos, 1-5 m, N39°51.22' E25°07.02'. Seasonally wet meadow, 11 October 2016, *Krause & Ristow 761/16*.—Kotsinas, beach 0.5 km SSE of Maroulas chapel, 2 m, N39°56.325' E25°17.38'. Slightly wet sandy ground. 9 October 2016, *Krause & Ristow 730/16*.—Saltmarsh 1.0 km N Plaka, 1 m, N40°00.865' E25°25.795'. Ditch in saltmarsh. 4 October 2016, *Krause & Ristow 655/16*.

Elytrigia atherica (Link) Kerguélen

E edge of port of Kotsinas, 3 m, N39°56.45' E25°17.03'. Grassy vegetation on sand. 31 May 2019, *Krause & Ristow 366/19*.—Kotsinas, E end of the Kotsinas Bay, 2 m, N39°56.4' E25°16.9'. Coastal sands with seagrass litter. 27 September 2020, *Bergmeier 20-64*.

Elytrigia obtusiflora (DC.) Tzvelev

Moudros, just S of town, 1 m, N39°52.0' E25°16.2'. Ditch near coast, under *Elaeagnus*. 29 September 2020, *Bergmeier 20-95*.—1 km W of Atsiki, 43 m, N39°56.8' E25°12.5'. Bramble scrub between fields. 27 September 2020, *Bergmeier (obs.)*.—Beach near Platy, 2 m, N39°50.2' E25°03.0'. Dune. 2 October 2020, *Bergmeier (obs.)*.—Near Portiano, 12 m, N39°53.1' E25°11.1'. Roadside. 2 October 2020, *Bergmeier (obs.)*.—E of Lychna, 15 m, N39°55.0' E25°16.6'. Seasonally wet swamp. 11 April 2019, *Bergmeier 19-1*.—Chortarolimni, south end. 0 m, N39°53.6' E25°20.5'. Saltmarsh. 16 October 2019, *Bergmeier 19-453*.—N of Dafni, towards Papia Bay, 35 m, N39°58.9' E25°11.3'. *Sarcopoterium phrygana*. 12 April 2018, *Bergmeier 18-86*.—Above archaeological site of Hephaestia, 45 m, N39°57.9' E25°19.4'. *Sarcopoterium phrygana*, grazed. 17 April 2018, *Bergmeier (obs.)*.—Between military airport and Varos, 12 m, N39°56.0' E25°14.9'. Abandoned field, semiwet. 13 May 2021, *Bergmeier (obs.)*.

Elytrigia repens (L.) Nevski

1.3 km ESE Pedino, 40 m, N39°52.87' E25°12.26'. Roadside, field margin. 21 May 2019, *Krause & Ristow 176/19*.—Opposite Koukounisi N Moudros, 5-10 m, N39°52.95' E25°16.48'. Road margin. 26 May 2019, *Krause & Ristow (obs.)*.—0.1 km E Roussopouli, 40 m, N39°52.97' E25°18.73'. Field margin. 31 May 2019, *Krause & Ristow 373/19*.—Between Portiano and Tsimandria, 10 m, N39°52.18' E25°10.79'. Field margin. 11 May 2021, *Bergmeier 21-119*.

Elytrigia scirpea (C. Presl) Holub

Chortarolimni, S end. 0 m, N39°53.6' E25°20.5'. Saltmarsh. 16 October 2019, *Bergmeier 19-454*.—S end Lake Aliki, 3 m, N39°55.61' E25°21.56'. Semiwet meadow. 13 May 2021, *Bergmeier (obs.)*.

Eragrostis barrelieri Daveau

Between Romanou and Moudros, near Aj. Andreas, 3 m, N39°53.7' E25°16.8'. Roadside, close to sea. 16 October 2019, *Bergmeier 19-440*.

New to the North Aegean; not mapped by Strid (2016).

Festuca arundinacea Schreb.

Roussopouli, near the church, 50 m, N39°52.88' E25°18.60'. Newly sown lawn. 20 May 2019, *Krause & Ristow (obs.)*.—Myrina, beach promenade 100 m N of the Archeological Museum, 3 m, N39°52.88' E25°03.75'. Lawn, seeded. 22 May 2019, *Krause & Ristow (obs.)*.

On Limnos probably non-native and not yet established.

Gastridium phleoides (Nees & Meyen) C.E. Hubb.

2.2 km WSW Aj. Sofia, 0.4 km ENE Skidi beach, 10-20 m, N39°49.33' E25°18.01'. Phrygana. 6 May 2018, *Krause & Ristow 576/18*.—W edge of Moudros, 0.5 km NNW of the pier, 10 m, N39°52.61' E25°15.82'. Coastal slope with small patch of phrygana. 26 May 2019, *Krause & Ristow 266/19*.—SW hilltop 1.1 km NW Roussopouli, 50 m, N39°53.36' E25°17.90'. Rocky ground, annual vegetation. 20 May 2019, *Krause & Ristow 141/19*.—Fakos peninsula, 1.2 km S of Aj. Theodoros (Vourlidia Bay), 90 m, N39°49.90' E25°11.12'. Phrygana. 15 May 2021, *Bergmeier (obs.)*.

Gastridium scabrum C. Presl

Hill E of Paralia Megalo Fanaraki, c. 3.3 km SW Moudros, 5-10 m, N39°51.25' E25°14.38'. Phrygana. 26 May 2019, *Krause & Ristow 276/19*.

New to the North Aegean. The species concept follows Scoppola (2019).

Gaudinia fragilis (L.) P. Beauv.

NW foot Prof. Ilias, 0.6 km SE Therma, SW Aj. Dimitrios, 160 m, N39°54.055' E25°07.64'. Open rocky phrygana. 8 October 2016, *Krause & Ristow 714/16*.—N foot Prof. Ilias, 0.8 km E Therma, 140 m, N39°54.14' E25°07.83'. Stony ground, annual vegetation in phrygana. 1 May 2018, *Krause & Ristow 456/18*.—450 m W of water reservoir 2.0 km E Thanos, 30 m, N39°51.54' E25°06.655'. Wet place in phrygana. 24 May 2019, *Krause & Ristow 255/19*.—N foot of Kakavos, 170 m, N39°52.33' E25°06.45'. Stony ground, annual vegetation. 29 April 2018, *Krause & Ristow 396/18*.—1.0 km NW Aj. Dimitrios, 0.7 km NNW hairpin curve, 140 m, N39°55.07' E25°08.35'. Fallow field edge. 3 May 2018, *Krause & Ristow (obs.)*.

Holcus annuus Salzm. ex C. A. Mey. subsp. *annuus*

SE Kaminia, 45 m, N39°51.7' E25°19.7'. Fields. 13 May 2019, *Meyer s.n.*.—0.5 km SE of Aj. Sofia, 20 m, N39°49.64' E25°19.98'. Ruderal scrub (*Ailanthus*), sandy ground. 6 May 2021, *Bergmeier (& Meyer) 21-22*.—0.6 km N Aj. Sofia, near the windmill ruins, 70 m, N39°50.20' E25°19.63'. Open seasonally wet sandy ground. 16 May 2021, *Bergmeier (obs.)*.—Between military airport and Varos, 12 m, N39°55.99' E25°14.71'. Fallow field. 12 May 2021, *Bergmeier (& Meyer) 21-128*.

Subspecies new to the North Aegean. The Limnian plants (with short anthers) represent the East Mediterranean subsp. *annuus*, thus contradicting Dimopoulos & al. (2013: 126) and Strid (2016: 457) who assumed that “Greek plants probably belong to subsp. *setigulumis* (Boiss. & Reut.) M. Seq. & Castrov.”.

Hordeum geniculatum All.

Chortarolimni, south end. 0 m, N39°53.6' E25°20.5'. Saltmarsh. 16 October 2019, *Bergmeier 19-455*.—Varos, edge of village, 12 m, N39°55.63' E25°15.67'. Wayside. 9 & 14 May 2021, *Bergmeier 21-84* (together with *H. marinum* Huds.).—Fakos peninsula, N end, 1-2 m, N39°51.0' E25°10.6'. Field edge, wet loamy soil turning dry. 11 May 2021, *Bergmeier 21-123*.—1.5 km SSE of Portiano, 1 km E of Tsimandria, 35 m, N39°52.14' E25°11.10'. Field road. 11 May 2021, *Bergmeier 21-126a* (together with *H. marinum* Huds.).—S end Lake Aliki, 3 m, N39°55.61' E25°21.57'. Seasonally wet grassland. 13 May 2021, *Bergmeier 21-144*.—Coastal flat between Thanos and Kontias, place called Nevgatis, 1 m, N39°51.20' E25°07.09'. Seasonally wet grassland. 15 May 2021, *Bergmeier 21-195*.—Diapori, 0-1 m, N39°51.35' E25°10.35'. Depression in sheep pasture, wet-dry sand. 15 May 2021, *Bergmeier 21-219*.

Hordeum vulgare L. subsp. *spontaneum* (K. Koch) Thell.

Along the street 0.3 km WSW Kaspakas, 80 m, N39°54.77' E25°04.635'. Slope to the road. 28 May 2019, *Krause & Ristow (obs.)*.—Between Kontias and Tsimandria, 7 m, N39°51.92' E25°09.85'. Field margin. 11 May 2021, *Bergmeier 21-111*.—0.3 km NW of Tsimandria, 8 m, N39°52.22' E25°10.06'. Field margin. 11 May 2021, *Bergmeier & Meyer (obs.)*.

Mapped by Strid (2016) based on collections by B. Biel in 2013 and 2014 (Bothmer & al. 2014: 279-80) and Evthimiadis & al. (1985: 66). As genetic resource unspecified as to its origin mentioned by Thomas & al. (2012: 1421).

Hyparrhenia hirta (L.) Stapf

2.2 km WSW Aj. Sofia, 0.4 km E Skidi-Beach, 15 m, N39°49.30' E25°17.97'. Phrygana. 6 May 2018, *Krause & Ristow 566/18*.

Lolium rigidum subsp. *lepturoides* Sennen & Mauricio

Cape Aj. Sozon, 2 km SE of Fisini, 3 m, N39°48.54' E25°22.29'. Dry valley, coastal. 16 May 2021, *Bergmeier 21-241*.

Lolium subulatum Vis.

Myrina, the Fortress, 60 m, N39°52.63' E25°03.23'. Rock fissures. 25 April 2018, *Krause & Ristow 321/18*.—N foot Prof. Ilias, 0.8 km E Therma, 140 m, N39°54.14' E25°07.83'. Stony ground, annual vegetation in phrygana. 1 May 2018, *Krause & Ristow 458/18*.

New to the North Aegean. Generally known as a segetal plant, interestingly on Limnos it is growing in disturbed rocky and phrygana vegetation.

Melica ciliata subsp. *glauca* (F. W. Schultz) K. Richt.

Above Roussopouli, 135 m, N39°52.79' E25°19.38'. Fissures of volcanic rock. 16 May 2021, *Bergmeier 21-251*.

Subspecies not listed by Dimopoulos & al. (2013) in the North Aegean nor mapped for Limnos by Strid (2016), although given by Hempel (2012: 87) who revised a specimen (no. 1363) collected by Rechinger in 1927. Unfortunately, obviously by mistake, Hempel (2012: 75) assigned the same collection also to *M. c.* subsp. *taurica* (K. Koch) Tzvelev.

Milium vernale M. Bieb. subsp. *vernale*

N foot Prof. Ilias, 0.8 km E Therma, 140 m, N39°54.14' E25°07.83'. Stony ground, annual vegetation in phrygana. 1 May 2018, *Krause & Ristow 446/18*.

Molineriella minuta (L.) Rouy

Between Lychna and Repanidi, 40 m, N39°54.9' E25°17.2'. Sheep and rabbit pasture, formerly terraced, shallow soil wet turning dry. 16 April 2018, *Bergmeier 18-127*.

Panicum capillare L.

Between Livadochori and Airport, 7 m, N39°55.0' E25°13.4'. Melon field, irrigated. 17 October 2019, *Bergmeier 19-474*.—Kontias, 2 m, N39°51.6' E25°09.7'. Stubble field. 2 October 2020, *Bergmeier 20-168*.
New to the North Aegean.

Phacelurus digitatus (Sm.) Griseb.

Coastal plain 2.4 km E Thanos, 1-5 m, N39°51.22' E25°07.02'. Ditch in wet meadow. 11 October 2016, *Krause & Ristow 760/16*.

Phalaris aquatica L.

2.2 km WSW Aj. Sofia, 0.4 km ENE Skidi Beach, 10-20 m, N39°49.33' E25°18.01'. Phrygana. 6 May 2018, *Krause & Ristow 578/18*.—Hilltop 1.0 km NW Roussopouli, 70 m, N39°53.37' E25°17.95'. Rocky ground, annual-rich vegetation. 20 May 2019, *Krause & Ristow 147/19*.

Phalaris brachystachys Link

SW of Kalliopi, 17 m, N39°54.76' E25°19.86'. Cereal field. 11 April 2019, *Meyer s.n.*
Mapped by Strid (2016) based on Rauh (1949: 577); not recorded since.

Phalaris coeruleascens Desf.

Between Kontias and Tsimandria, 7 m, N39°51.9' E25°09.9'. Field margin. 11 May 2021, *Bergmeier 21-110*.

Phalaris paradoxa L.

Fakos peninsula, 12 m, N39°50.49' E25°10.145'. Cereal field. 14 April 2018, *Meyer (obs.)*.—Fakos peninsula, 13 m, N39°50.45' E25°10.20'. Cereal field. 14 April 2018, *Meyer (obs.)*.—NNE Romanou near Aj. Fotida, 11m, N39°54.65' E25°18.90'. Lentil field. 15 April 2018, *Meyer & Bergmeier (obs.)*.—E of Kontias, 11 m, N39°52.00' E25°09.35'. Barley field. 13 May 2019, *Meyer s.n.*.—SW of Kalliopi, 15 m, N39°54.69' E25°19.78'. Mixed crop field. 11 May 2019, *Meyer s.n.*.—Fakos peninsula, 12 m, N39°50.475' E25°10.26'. Cereal field. 13 May 2019, *Meyer s.n.*.—SW of Kalliopi, 17 m, N39°54.76' E25°19.83'. Cereal field. 15 May 2019, *Meyer s.n.*.—SW of Repanidi, 40 m, N39°54.93' E25°17.24'. *Medicago polymorpha* field. 11 April 2019, *Meyer s.n.*.—Between Kontias and Tsimandria, 7m, N39°51.99' E25°09.95'. Mixed crop field. 11 April 2019, *Meyer s.n.*.—SW of Kalliopi, 17 m, N39°54.76' E25°19.86'. Cereal field. 11 April 2019, *Meyer s.n.*.—Coastal plain 2.4 km E Thanos, 5-10 m, N39°51.20' E25°07.07'. Seasonally wet grassland. 10 May 2018, *Krause & Ristow 640/18*.—1.5 km SW Atsiki, 20 m, N39°56.4' E25°12.4'. Arable field. 9 May 2021, *Bergmeier 21-83*.—Coastal flat between Thanos and Kontias, 1 m, N39°51.31' E25°07.07'. Seasonally wet grassland, abandoned. 15 May 2021, *Bergmeier 21-196*.

Four localities mentioned by Panitsa & al. (2003: 102) based on records from 1997 but by mistake not mapped in Limnos (Strid 2016).

Phleum subulatum (Savi) Asch. & Graebn.

1.0 km NW Aj. Dimitrios, 0.7 km NNW hairpin curve, 140 m, N39°55.07' E25°08.35'. Fallow field edge. 3 May 2018, *Krause & Ristow 499/18*.—250 m S of Aj. Dimitrios, 120 m, N39°54.51' E25°08.96'. Ruderalized steep pasture. 7 May

2021, *Bergmeier & Meyer 21-55*.—Above Roussopouli, 145 m, N39°52.70' E25°19.19'. Semiruderal grassland, among rocks. 16 May 2021, *Bergmeier (obs.)*.

Phragmites frutescens H. Scholz

E Thanos, Nevgatis Beach (Zematas), 2 m, N39°51.05' E25°07.5'. Sandy beach and path. 15 October 2019, *Bergmeier 19-406*.—Between Lychna and Repanidi, 18 m, N39°55.0' E25°16.6'. Earth wall near road. 1 October 2020, *Bergmeier & Meyer (obs.)*.—2.0 km SE Kaminia, 5 m, N39°51.05' E25°20.40'. Wetland. 10 October 2016, *Krause & Ristow 749/16*.—Road 0.9 km NE Varos, 10 m, N39°56.20' E25°16.22'. Roadside. 3 October 2016, *Krause & Ristow (obs.)*.—E end of Diapori beach, 1.5 km S Tsimandria, 1 m, N39°51.15' E25°10.53'. 3 October 2016, *Krause & Ristow (obs.)*.—Atsiki, W edge, 20 m, N39°56.74' E25°13.18'. Roadside. 7 October 2016, *Krause & Ristow (obs.)*.—Road 0.7 km NNW Aghia Sophia, 60 m, N39°50.255' E25°19.52'. Roadside, phrygana. 12 October 2016, *Krause & Ristow (obs.)*.—0.9 km NNW Fisini, 10-20 m, N39°49.39' E25°20.50'. Dry riverbed. 12 October 2016, *Krause & Ristow (obs.)*.—E Chortarolimni, 2 km S Kalliopi, 2-10 m, N39°54.13' E25°20.78'. *Juncus acutus* reed. 10 October 2016, *Krause & Ristow (obs.)*.—Beach 0.6 km S of Lychna, 1 m, N39°54.55' E25°15.86'. Upper ruderal part of sand beach. 11 May 2018, *Krause & Ristow (obs.)*.—N foot of the hill at the N edge of Kontias, 20 m, N39°52.15' E25°08.95'. Road margin. 10 May 2018, *Krause & Ristow (obs.)*.—Coastal flat between Thanos and Kontias, place called Nevgatis, 1 m, N39°51.20-22' E25°07.05-09'. Seasonally wet grassland, abandoned. 15 May 2021, *Bergmeier (obs.)*.

New to the North Aegean.

Piptatherum coeruleascens (Desf.) P. Beauv.

Kakavos, slope opposite the chapel, 200 m, N39°51.93' E25°06.37'. SW-exposed rocky slope. 29 April 2018, *Krause & Ristow 420/18*.

Poa maroccana Nannf.

Myrina, beach promenade N of the Fortress, 2-5 m, N39°52.82' E25°03.70'. Lawn. 25 April 2018. *Krause & Ristow 302/18*.

New to the North Aegean. Possibly introduced with grass seed.

Polypogon maritimus Willd. (s. str.)

Edge of Asprolimni, 1 m, N39°54.92' E25°22.72'. Saltmarsh, wet-dry mud. 13 May 2021, *Bergmeier 21-156a* (together with *P. subspathaceus* Req.).—Diapori, 0-1 m, N39°51.35' E25°10.35'. Depression in sheep pasture, wet-dry sand. 15 May 2021, *Bergmeier 21-217*.

New to the North Aegean.

Polypogon viridis (Gouan) Breistr.

Cape Sagrada SW of Moudros, 7 m, N39°51.1' E25°14.2'. Calcareous sands, apparently groundwater-supplied. 29 September 2020, *Bergmeier 20-113*.—SE of Kalliopi, Keros Bay, 1 m, N39°54.2' E25°21.2'. Dune valley. 1 October 2020, *Bergmeier 20-146*.

Given by Panitsa & al. (2003: 102) and Strid (2016) referring to Rechinger (1929: 337, as *Agrostis verticillata*); not recorded since.

Saccharum spontaneum L.

Road 0.7 km NNW Aghia Sophia, 60 m, N39°50.255' E25°19.52'. Phrygana, big stand. 12 October 2016, *Krause & Ristow 778/16*.—Kotsinas, beach 0.5 km SE Maroulas-chapel, 2 m, N39°56.33' E25°17.375'. Upper part of dune, slightly ruderal. 9 October 2016, *Krause & Ristow 735/16*.—Coastal track 1.4 km W of the S end of Asprolimni, 3 m, N39°54.705' E25°21.63'. On sand. 4 May 2018, *Krause & Ristow 524/18*.—Asprolimni, 1 m, N39°54.96' E25°22.76'. Saltmarsh. 13 May 2021, *Bergmeier (obs.)*.

New to the North Aegean. The status of this (sub)tropical species in the Aegean is doubtful (Strid 2016, Böhling & Scholz 2003). We found various established populations scattered over the island. Some plants grow in patches of several square metres, partly in seminatural environments such as dunes and edge of saltmarsh, they reach heights of 2.5 m (Ristow & al. 2021).

Secale strictum subsp. *anatolicum* (Boiss.) Hammer

2.0 km SE Kaminia, 5 m, N39°51.05' E25°20.40'. Small wetland. 10 October 2016, *Krause & Ristow 758/16*.—ENE-shore Chortarolimni, 1.8 km SSE Kalliopi, 5 m, N39°54.22' E25°20.73'. Dunes. 10 October 2016, *Krause & Ristow 738/16*.—2.0 km NNE Propouli, 30 m, N39°59.355' E25°14.55'. Roadside in *Sarcopoterium*-phrygana. 7 October 2016, *Krause & Ristow 702/16*.—NW slope Prof. Ilias, 0.7 km SE Therma, SW Aj. Dimitrios, 210 m, N39°54.005' E25°07.655'. Open rocky phrygana. 8 October 2016, *Krause & Ristow 715/16*.—Paralia Louri 1.3 km SW Aj. Sozon, S Fisini, 5 m, N39°48.065' E25°21.04'. Coastal dune. 27 May 2019, *Krause & Ristow 278/19*.—0.3 km WSW Kaspakas, 80 m, N39°54.77' E25°04.635'. Slope to the road. 28 May 2019, *Krause & Ristow (obs.)*.—Prof. Ilias SW Aj. Dimitrios, SE slope, 220 m, N39°53.62' E25°07.95'. Rock ledge. 14 October 2016, *Krause & Ristow (obs.)*.—N-side of the Kakavos, 2.4 km NE Thanos, 180 m, N39°52.29' E25°06.51'. Rocks. 11 October 2016, *Krause & Ristow (obs.)*.—N part of the hill at the N edge of Kontias, halfway up, 40 m, N39°52.11' E25°08.97'. Rock ledge. 10 May 2018, *Krause & Ristow (obs.)*.—N foot of the hill at the N edge of Kontias, 20 m, N39°52.13' E25°08.98'. Rocky base of embankment. 10 May 2018, *Krause & Ristow (obs.)*.

New to the Aegean. The subspecies was listed by Dimopoulos & al. (2013) only for the Peloponnese. Thomas & al. (2012) note a genetic resource of *Secale* but origin, status and species remained unspecified. On Limnos *S. strictum* occurs in a variety of habitats. It may have been overlooked due to the late flowering time (first flowering shoots on Limnos in 2019 end of May) and its resemblance to *Hordeum bulbosum*, with which it often grows side by side. While considered a therophyte by Dimopoulos & al. (2013) the life form of the Limnian plants is somewhat obscure. They grow in tufts to 15(20) cm in diameter, but most plants observed in autumn 2016 were dead or had only few living shoots suggesting a biennial or pluriennial monocarpic growth form.

Sphenopus divaricatus (Gouan) Rchb.

0.9 km SE Aj. Alexandros, N edge Lake Aliki, 1-5 m, N39°57.47' E25°22.49'. Annual saline vegetation, on silt. 4 May 2018, *Krause & Ristow 508/18*; 23 May 2019, *Krause & Ristow 206/19*.

New to the North Aegean.

Sorghum bicolor (L.) Moench

East edge of Kontias, 5 m, N39°51.7' E25°09.4'. Maize field and damp grassland. 15 October 2019, *Bergmeier 19-408*. Status uncertain, probably casual escape from cultivation; not mapped by Strid (2016).

Sporobolus pungens Kunth

Diapori Bay SE of Kontias, 0 m, N39°51.1' E25°10.5'. Coastal sands. 15 October 2019, *Bergmeier 19-418*.—Keros Beach, SE of Kalliopi, 1 m, N39°53.4' E25°21.5'. Coastal dunes. 16 October 2019, *Bergmeier 19-466*.—NE of Plaka, 1 m, 40°00.6' E25°26.3'. Sandy beach, dune with *Centaurea spinosa*. 30 September 2020, *Bergmeier 20-127*.

Taeniatherum caput-medusae (L.) Nevski

N foot of Kakavos, 170 m, N39°52.33' E25°06.45'. Stony ground, annual vegetation. 29 April 2018, *Krause & Ristow 392/18*.—Hill 1.0 km NNW Roussopouli, 70 m, N39°53.45' E25°18.10'. Stony ground, annual vegetation. 20 May 2019, *Krause & Ristow 151/19*.—Hill E of Paralia Megalo Fanaraki, 3.3 km SW Moudros, 5-10 m, N39°51.25' E25°14.38'. Phrygana. 26 May 2019, *Krause & Ristow 277/19*.—Kakavos, central part somewhat N of the chapel, 2.1 km NE Thanos, 210 m, N39°52.0' E25°06.5'. Rocky *Sarcopoterium* phrygana. 11 October 2016, *Krause & Ristow 769/16* (*T. c.-m.* subsp. *crinitum* (Schreb.) Melderis).—NW foot of Profitis Ilias, 0.6 km SE Therma, SW Aj. Dimitrios, 160 m, N39°54.055' E25°07.64'. Open rocky phrygana. 8 October 2016, *Krause & Ristow 712/16* (*T. c.-m.* subsp. *crinitum*). Mapped by Strid (2016) based on Rauh (1949: 588); not recorded since.

Tragus racemosus (L.) All.

Between Romanou and Moudros, near Aj. Andreas, 3 m, N39°53.7' E25°16.8'. Roadside, close to sea. 16 October 2019, *Bergmeier 19-440*.

Tripidium ravennae (L.) H. Scholz (*Saccharum ravennae* (L.) Murray)

Between Chortarolimni and Keros Beach, 3 m, N39°54.14' E25°20.99'. Interdune. 10 October 2016, *Krause & Ristow (obs.)*.—2.0 km SE Kaminia, 5 m, N39°51.05' E25°20.40'. Small wetland. 10 October 2016, *Krause & Ristow (obs.)*.—

Pachies Ammoudies NW Katalakkos, E edge, 80 m, N39°59.47' E25°07.93'. Roadside, ruderal. 13 October 2016, *Krause & Ristow (obs.)*.—1.8 km SE Kalliopi, N-edge of the dunes, 2 m, N39°54.35' E25°21.05'. Semiwet dune valley. 10 October 2016, *Krause & Ristow 737/16*.—SE of Kalliopi, Keros, 1 m, N39°54.2' E25°21.2'. Dune valley. 1 October 2020, *Bergmeier 20-147* (just about 400 m SE of the former location).

Vulpia fasciculata (Forssk.) Fritsch

1.1 km W of the southern end of Asprolimni, 2 m, N39°54.80' E25°21.855'. Barrier beach, flat and sandy. 28 April 2018, *Krause & Ristow 383/18*.—Paralia Louri 0.7 km WSW Aj. Sozon, SE Fisini, 10 m, N39°48.27' E25°21.36'. Upper immobilised part of dune, phrygana. 5 May 2018, *Krause & Ristow 541/18*.

Vulpia ligustica (All.) Link

NE Lake Alike, 3 m, N39°57.66' E25°24.17'. Semiwet annual-rich grassland. 8 May 2021, *Bergmeier (& Meyer) 21-60*.—Diapori, 0-1 m, N39°51.36' E25°10.36'. Semiwet sheep pasture. 15 May 2021, *Bergmeier 21-211*.

New to the North Aegean.

Vulpia myuros (L.) C. C. Gmelin

Diapori, 0-1 m, N39°51.36' E25°10.36'. Semiwet sheep pasture. 15 May 2021, *Bergmeier 21-209*.

Polygalaceae

Polygala monspeliaca L.

N of Dafni, towards Papia Bay, 180 m, N39°58.2' E25°10.7'. *Sarcopoterium* phrygana, grazed. 13 April 2018, *Bergmeier et al. (obs.)*.—NW of Sardes, 280 m, N39°57.4' E25°06.4'. *Sarcopoterium* phrygana. 13 April 2018, *Bergmeier et al. (obs.)*.—At the coast 0.5 km NW of the pier of Moudros, 5-10 m, N39°52.61' E25°15.81'. Phrygana patch above the coastline. 21 April 2018, *Krause & Ristow 208/18*.—2.2 km WSW Aj. Sofia, 0.4 km ENE Skidi-beach, 10-20 m, N39°49.33' E25°18.01'. Phrygana. 6 May 2018, *Krause & Ristow 573/18*.—200 m E of Gomati dune, ca. 3.2 km NNW Katalakkos, 70 m, N39°59.405' E25°08.05'. *Sarcopoterium* phrygana. 7 May 2018, *Krause & Ristow (obs.)*. Mapped by Strid (2016) based on an unpublished report by B. Biel from 1998.

Polygonaceae

Emex spinosa (L.) Campd.

Metochi at NW side of Fakos peninsula, 8 m, N39°50.6' E25°10.2'. Stubble field, seasonally wet soil. 2 October 2020, *Bergmeier 20-178*.

Fallopia convolvulus (L.) Á. Löve

Fakos peninsula, 14 m, N39°50.52' E25°10.12'. Cereal field. 19 April 2018, *Meyer (obs.)*.

Persicaria lapathifolia subsp. *pallida* (With.) S. Ekman & Knutsson

Kontias, 1 m, N39°52.1' E25°09.2'. Ditch, with *Typha domingensis* Pers. 2 October 2020, *Bergmeier 20-162*.

P. lapathifolia, identified at species level, was collected in Limnos by Biel in 2012 (Biel & Tan 2014a: 271).

Persicaria maculosa Gray

Kontias, 1 m, N39°52.1' E25°09.2'. Ditch, with *Paspalum*. 2 October 2020, *Bergmeier 20-161*.

Polygonum aviculare L. subsp. *aviculare*

Fakos peninsula, north end, 2 m, N39°51.0' E25°10.6'. Field edge, wet loamy soil turning dry. 15 April / 13 May 2019, *Bergmeier 19-38, Meyer s.n.*.—SW of Kalliopi, 17 m, N39°54.758' E25°19.833'. Cereal field. 18 May 2019, *Meyer s.n.*

Rumex acetosella aff. subsp. *multifidus* (L.) Schübl. & G. Martens

1.5 km NW of Roussopouli, 50 m, N39°53.49' E25°17.51'. Semiwet wayside between fields, 26 April 2018, *Krause & Ristow 339/18*.

Up to now only *R. acetosella* subsp. *acetoselloides* (Balansa) Den Nijs is known from Limnos (and the Aegean). Our specimens have the typical leaf shape but are all male, so that the fruit character could not be verified.

Rumex conglomeratus Murray

1 km SW of Aj. Dimitrios, 75 m, N39°54.24' E25°08.24'. Near stream, *Ulmus* forest. 7 May 2021, *Bergmeier & Meyer (obs.)*.—1.4 km SW Aj. Dimitrios, 70 m, N39°54.33' E25°08.15'. Valley, somewhat damp ground. 7 May 2021, *Bergmeier (obs.)*.—Between Kontias and Tsimandria, 5 m, N39°51.93' E25°09.86'. Ditch. 11 May 2021, *Bergmeier & Meyer (obs.)*. 1 km SW Aj. Dimitrios, near chapel Aj. Paraskevi, 90 m, N39°54.35' E25°08.20'. Wet ground, shaded. 17 May 2021, *Bergmeier (obs.)*.—0.75 km NW of Propouli, 70 m, N39°58.50' E25°13.48'. Small wetland. 12 May 2021, *Bergmeier & Meyer (obs.)*.

Portulacaceae

Portulaca nitida (Danin & H.G. Baker) Ricceri & Arrigoni

E Thanos, Nevgatis Beach (Zematas), 1 m, N39°51.05' E25°07.5'. Sandy path. 15 October 2019, *Bergmeier 19-403*.—2.5 km E of Aj. Dimitrios, 65 m, N39°54.51' E25°10.74'. Vineyard. 27 September 2020, *Bergmeier 20-53*.—1.7 km NE of Aj. Dimitrios, 60 m, N39°55.28' E25°10.17'. Vineyard. 1 October 2020, *Bergmeier 20-131*.

New to the North Aegean. Determined by G. Domina, Palermo. “*Portulaca oleracea*” in Limnos reported by Baliouis (2014) refers to the species aggregate.

Portulaca papillatostellulata (Poelln.) Ricceri & Arrigoni

0.5 km N of Platy, 50 m, N39°51.5' E25°04.3'. Road verge. 15 October 2019, *Bergmeier 19-397*.

New to the North Aegean. Determined by G. Domina, Palermo.

Posidoniaceae

Posidonia oceanica (L.) Delile

Kotsinas, beach 0.5 km SSE of the Maroulas chapel, 0 m, N39°56.325' E25°17.38'. Sandy beach, strandline, washed up in thick mats. 9 October 2016, *Krause & Ristow (obs.)*.—Sgouroggianni-peninsula 2.1 km ESE Pedino, S beach, 0 m, N39°52.80' E25°12.88'. Washed up, strandline. 21 May 2019, *Krause & Ristow 169/19*.—Saravari beach ca. 4 km NNE Kontopouli, 1 m, N39°57.95' E25°20.82'. Washed up, strandline. 6 October 2016, *Krause & Ristow (obs.)*.—Neftina beach ca. 4.5 km W Panagia, 1-2 m, N39°59.02' E25°20.99'. Strandline, sandy beach. 12 October 2016, *Krause & Ristow (obs.)*.

A survey map published by Telesca & al. (2015: 7) shows *Posidonia* seagrass beds to the east of Limnos.

Potamogetonaceae

Potamogeton schweinfurthii A. Benn.

Quarry 1.4 km N Varos, W part, 50 m, N39°56.61' E25°15.21'. Pond. 29 May 2019, *Krause & Ristow 311/19*.

New to the North Aegean. Confirmed by G. Wiegleb (Cottbus). Recent immigration seems possible as the pond is in a quarry. In the Aegean otherwise known only from one place in E Crete. The widespread species may have been often overlooked or misinterpreted.

Primulaceae

Anagallis foemina Mill.

1 km W of Atsiki, 40 m, N39°56.8' E25°12.6'. Stubble field. 27 September 2020, *Bergmeier 20-67b*.—1 km S of Plaka, 25 m, 40°00.0' E25°25.2'. Stubble field, 30 September 2020, *Bergmeier 20-123*.—S of Kalliopi, 5 m, N39°54.6' E25°20.2'. Stubble field. 1 October 2020, *Bergmeier 20-142*.—3.0 km S Moudros, 10 m, N39°50.68' E25°16.26'. Roadside between fields. 27 May 2019, *Krause & Ristow 283/19*.—1.3 km NE Roussopouli, 20 m, N39°53.38' E25°19.50'. Track embankment. 22 April 2018, *Krause & Ristow 248/18*.—Between Dafni and Atsiki, 3 km WNW Atsiki, 65 m, N39°57.20' E25°11.11'. Fields. 10 May 2021, *Bergmeier 21-94*.

Lysimachia atropurpurea L.

Between Aj. Dimitrios and Agariones, 110 m, N39°54.0' E25°10.3'. Stubble field. 2 October 2020, *Bergmeier 20-155*.—0.5 km ESE of Therma, 100 m, N39°54.25' E25°07.65'. Small pond in small wood at stream. 1 May 2018, *Krause & Ristow (obs.)*.—1.5 km SSW of Aj. Dimitrios, 55 m, N39°53.88' E25°08.65'. Abandoned field. 17 May 2021, *Bergmeier (obs.)*.

Mapped by Strid (2016) based on Rauh (1949: 591); not recorded since.

Pteridaceae

Adiantum capillus-veneris L.

1 km N Aj. Ioannis, 50 m, N39°56.30' E25°03.97'. In a waterfall. 2 May 2018, *Krause & Ristow (obs.)*.

Ranunculaceae

Consolida cf. *ajacis* (L.) Schur

0.3 km NW Kaminiá, 80 m, N39°51.89' E25°19.05'. Roadside. 5 May 2018, *Krause & Ristow 555/18*.

Few plants, perhaps casual.

Myosurus heldreichii Heldr. ex H. Lév.

N edge Chortarolimni, 1 m, N39°54.30' E25°20.63'. Edge of saltmarsh. 9 May 2021, *Bergmeier 21-85*.

Nigella arvensis subsp. *glauca* (Boiss.) A. Terracc.

E Thanos, Nevgatis Beach (Zematas), 2 m, N39°51.05' E25°07.5'. Sandy beach and path. 15 October 2019, *Bergmeier 19-406*.—1 km SW of Romanou, close to sea 1 m, N39°53.7' E25°16.8'. Fallow field, sandy ground. 16 October 2019, *Bergmeier 19-436*.—NE of Plaka, 1 m, 40°00.6' E25°26.3'. Sandy beach, dune with *Centaurea spinosa*. 30 September 2020, *Bergmeier & Meyer (obs.)*.—E of Moudros on the road to Roussopouli, 27 m, N39°52.653' E25°17.102'. Stubble field, 16 October 2019, *Bergmeier & Meyer (obs.)*.—4.8 km NW Panagia, promontory with chapel, 5 m, N40°00.865' E25°22.07'. Coastal rocks. 30 May 2019, *Krause & Ristow 353/19*.—1.2 km SE of Aj. Alexandros, N edge Lake Alikí, 1-5 m, N39°57.42' E25°22.71'. Small patch of rocky phrygana. 23 May 2019, *Krause & Ristow 218/19*.

N. arvensis was reported by Panitsa & al. (2003: 98) based on old (Turrill 1922; Rauh 1949) as well as recent records which were not mapped by Strid (2016) owing to missing subspecies identity.

Ranunculus ophioglossifolius Vill.

Coastal plain 2.4 km E Thanos, 5-10 m, N39°51.20' E25°07.07'. Seasonally wet grassland. 10 May 2018, *Krause & Ristow 638/18*.—Coastal flat between Thanos and Kontias, place called Nevgatis, 1 m, N39°51.20' E25°07.09'. Seasonally wet grassland. 15 May 2021, *Bergmeier 21-194*.

Ranunculus rionii Lager

Quarry 1.4 km N Varos, E part, 50 m, N39°56.62' E25°15.30'. Shallow pond. 29 May 2019, *Krause & Ristow 321/19*.—Varos, 45 m, N39°56.6' E25°15.3'. Edge of small pond, gravel pit (together with *R. peltatus* subsp. *fucooides*). 16 April 2019, *Bergmeier 19-42b* (same population).

New to the North Aegean. *Ristow 321/19* determined by G. Wiegleb (Cottbus).

Ranunculus marginatus d'Urv.

Fakos peninsula, northwest side, 1-3 m, N39°51.02-03' E25°09.7-10.5'. Arable fields, soil wet-dry. 15 April 2019, *Bergmeier et al. (obs.)*.—Farm called Mitropolis (NW of Airport), 25 m, N39°55.5' E25°12.8'. Ruderal, seasonally wet valley site. 17 April 2018, *Bergmeier (obs.)*.—Fakos peninsula, SW part, 46 m, N39°49.14' E25°09.29'. Cereal field. 14 April 2018, *Meyer (obs.)*.—SSW of Kontias, 26 m, N39°51.27' E25°08.32'. Arable field, soil wet-dry. 18 April 2019, *Meyer (obs.)*.—Between Chortarolimni and Keros Beach, N edge of the coastal plain, 2-3 m, N39°54.38' E25°21.17'. Moist sands. 28 April 2018, *Krause & Ristow 371/18*.—SE edge of Chortarolimni, at the observation tower, 5 m, N39°53.72' E25°20.94'. Halophilous grassland. 28 April 2018, *Krause & Ristow 385/18*.—Coastal plain 2.4 km E

Thanos, 5-10 m, N39°51.20' E25°07.07'. Seasonally wet grassland. 10 May 2018, *Krause & Ristow (obs.)*.—Coastal flat between Thanos and Kontias, place called Nevgatis, 1 m, N39°51.20-22' E25°07.05-09'. Seasonally wet grassland. 15 May 2021, *Bergmeier 21-193*.—1.5 km W of Atsiki, 33 m, N39°56.82' E25°12.25'. Wet-dry field margin. 7 May 2021, *Bergmeier & Meyer (obs.)*.—0.5 km S Atsiki, 15 m, N39°56.35' E25°13.56'. Field margin. 10 May 2021, *Bergmeier & Meyer (obs.)*.—1.5 km NE of Lake Aliko, area called Marmaro, 2 m, N39°57.65' E25°24.17'. Seasonally wet grassland. 8 May 2021, *Bergmeier & Meyer (obs.)*.—0.5 km SSE of Varos, 8 m, N39°55.44' E25°15.57'. Ditch. 12 May 2021, *Bergmeier & Meyer (obs.)*.—0.75 km NW of Propouli, 70 m, N39°58.50' E25°13.48'. Small wetland. 12 May 2021, *Bergmeier & Meyer (obs.)*.—Between military airport and Varos, 12 m, N39°56.0' E25°14.9'. Abandoned field, semiwet. 13 May 2021, *Bergmeier (obs.)*.—S end Lake Aliko, 3 m, N39°55.61' E25°21.56'. Semiwet grassland. 13 May 2021, *Bergmeier (obs.)*.—Diapori, 0-1 m, N39°51.37' E25°10.37'. Seasonally wet sheep pasture. 15 May 2021, *Bergmeier (obs.)*.

Most Limnian specimens have markedly tubercled achenes of 3.5 mm with 1 mm beak, matching var. *trachycarpus* (Fisch. & C. A. Mey.) Azn. The species is sometimes included in *R. sardous* Crantz (Dimopoulos & al. 2013; Strid 2016).

Ranunculus sprunerianus Boiss.

N of Dafni, towards Papia Bay, 160 m, N39°58.4' E25°10.7'. Somewhat damp *Sarcopoterium phrygana*, ungrazed. 12 April 2018, *Bergmeier 18-87*. - Aj. Dimitrios, northern edge, 150 m, N39°54.77' E25°08.97'. Embankment. 3 May 2018, *Krause & Ristow 484/18*.

Rosaceae

Crataegus azarolus subsp. *aronia* (L.) Rouy & Camus

2.5 km E of Aj. Dimitrios, 70 m, N39°54.6' E25°10.7'. Scattered shrubs at field edges and road verges. 27 September 2020, *Bergmeier 20-47*.—Between Sardes and Atsiki, 110 m, N39°56.9' E25°10.3'. Shrubs between fields, numerous. 30 September 2020, *Bergmeier 20-117*.—Valley below Aj. Dimitrios, 62 m, N39°55.9' E25°11.0'. Margins between cultivated fields. 1 October 2020, *Bergmeier et al. (obs.)*.—N of Profitis Ilias, NW of Krinida, 150 m, N39°58.2' E25°11.1'. Grazed shrubland with fields. 17 October 2019, *Bergmeier 19-472*.—SE of Dafni, 100 m, N39°56.95' E25°10.79'. Roadside. 10 May 2021, *Bergmeier 21-95* (tree of 8 m).

Tall shrubs or small trees with large tasty fruits, the populations being overall homogenous in appearance. On Limnos, the fruits are unvaryingly bright red, not “yellow, often tinged with red” (Christensen 1992: 34) and with 1-2 pyrenes. *Bergmeier 19-472* differs in its glabrous twigs and leaves; it keys out as *Crataegus ×sinaica* Boiss., the assumed hybrid of *C. azarolus* and *C. monogyna*. Browicz (1991b) described the Limnian plants as *Crataegus ×ruscinonensis* Gren. & Blanc nothovar. *aronioides* Browicz, a name sunken into synonymy of *C. azarolus* subsp. *aronia* by the monographer Christensen (1992). Further studies are needed to clarify the hawthorns of Limnos.

Potentilla recta L.

1 km SW Aj. Dimitrios, chapel Aj. Paraskevi, 90 m, N39°54.33' E25°08.21'. Shaded wayside. 7 May 2021, *Bergmeier 21-33*.

Potentilla reptans L.

Myrina, Argonafton, S of the officers' mess, 1-5 m, N39°52.94' E25°03.79'. Roadside, ruderal. 5 October 2016, *Krause & Ristow 673/16*.

Obviously a recent introduction, not established.

Rosa agrestis Savi

N-side of the Kakavos, 2.4 km NE Thanos, 180 m, N39°52.29' E25°06.51'. Rock crevice. 11 October 2016, *Krause & Ristow 766/16*.—1.7 km SSE Kaminia, 20 m, N39°50.89' E25°19.80'. Roadside. 5 May 2018, *Krause & Ristow 554/18*.

Rosa corymbifera Borkh.

2 km NE Plaka, 0.3 km N of the harbor basin, 20 m, N40°01.39' E25°26.17'. Dry ravine with shrubs. 6 October 2016, *Krause & Ristow 640/16*.—0.6 km NW Aj. Dimitrios, 0.3 km N of the hairpin curve, 100 m, N39°54.86' E25°08.455'. Scrub along a stream. 3 May 2018, *Krause & Ristow (obs.)*.

Sanguisorba minor subsp. *balearica* Muñoz Garm. & C. Navarro

SE of Kalliopi, Keros Bay, 1 m, N39°54.2' E25°21.2'. Flat dune. 1 October 2020, *Bergmeier 20-145*.—Between Chortarolimni and Paralia Keros, N edge of the coastal depression, 5 m, N39°54.39' E25°21.06'. Dune margin. 10 October 2016, *Krause & Ristow 745/16*.

The specimens represent a transient form to subsp. *minor*. Records of the species by S. Snogerup and B. Snogerup (in 1997) and by Biel (in 1998) were mapped by Strid (2016) as *S. minor* s. l.; Panitsa & al. (2003: 98) interpreted all notes of “*Sanguisorba minor*” invariably as *Sanguisorba verrucosa* (G. Don) Ces. (*S. minor* subsp. *verrucosa* (A. Braun & Bouché) Holmboe).

Rubiaceae

Crucianella angustifolia L.

Near the road 0.5 km NE Aj. Paraskevi, ca 2.5 km SW Platy, 50 m, N39°50.45' E25°03.385'. Phrygana. 22 May 2019, *Krause & Ristow 198/19*.

Galium capitatum Bory & Chaub.

Between Roussopouli and Kaminia, 110 m, N39°52.6' E25°18.9'. Ruderalized rangeland. 15 April 2018, *Bergmeier 18-117*.—Between Lychna and Repanidi, 40 m, N39°54.9' E25°17.2'. Sheep pasture. 16 April 2018, *Bergmeier (obs.)*.

Galium debile Desv.

NE end of Lake Aliko, 0-1 m, N39°57.14' E25°23.74'. *Bolboschoenus* wetland. 8 May 2021, *Bergmeier (& Meyer) 21-74*.

Galium setaceum Lam.

Hill E above Paralia Megalo Fanaraki, ca 3.3 km SW Moudros, 10-20 m, N39°51.22' E25°14.38'. Coastal phrygana. 24 April 2018, *Krause & Ristow 287/18*.—2.2 km WSW Aj. Sofia, 0.4 km ENE Skidi beach, 10-20 m, N39°49.33' E25°18.01'. Phrygana. 6 May 2018, *Krause & Ristow 598/18*.—1.0 km W Kontopouli, 0.1 km SE of the chapel, 50 m, N39°55.76' E25°19.16'. Open grazed *Quercus macrolepis*-woodland. 8 May 2018, *Krause & Ristow 606/18*.

Galium tricornutum Dandy

Fakos peninsula, 12 m, N39°50.49' E25°10.145'. Cereal field. 14 April 2018, *Meyer (obs.)*.—Fakos peninsula, 62 m, N39°49.02' E25°09.37'. Arable field. 18 April 2018, *Meyer (obs.)*.—S of Kaminia, 61 m, N39°51.49' E25°19.53'. Arable field (*Triticum durum*). 18 April 2018, *Meyer (obs.)*.—Between Kontias and Tsimandria, 7m, N39°51.98' E25°09.74'. Arable field. 19 April 2018, *Meyer s.n.*.—SE of Kontias, 51 m, N39°51.55' E25°09.495'. Cereal field. 19 April 2018, *Meyer s.n.*.—S of Paralia Papias on the road to Dafni, 27 m, N39°59.15' E25°11.38'. Cereal field. 18 April 2018, *Meyer (obs.)*.—S of radar station Vigla, 324 m, N39°58.29' E25°04.475'. Arable field. 20 April 2018, *Meyer (obs.)*.—NE of Kontias, 16 m, N39°52.49' E25°09.66'. Cereal field, 12 April 2019, *Bergmeier & Meyer (obs.)*.—Fakos peninsula, 12 m, N39°50.475' E25°10.26'. Cereal field. 15 April 2019, *Bergmeier & Meyer s.n.*.—SSE of Kaminia, 50 m, N39°51.53' E25°19.75'. Cereal field. 15 April 2019, *Bergmeier & Meyer (obs.)*.—SSW of Kontias, 26 m, N39°51.27' E25°08.32'. Arable field, soil wet-dry. 18 April 2019, *Meyer (obs.)*.—NW of Plaka, 16 m, 40°00.57' E25°25.32'. Cereal field. 17 April 2019, *Bergmeier & Meyer (obs.)*.—S of Tsimandria, 18 m, N39°51.32'E E25°10.36'. Cereal field. 20 April 2019. *Meyer (obs.)*.—Ca 0.4 km WNW Roussopouli, 30 m, N39°53.03' E25°18.15'. Arable field. 26 April 2018, *Krause & Ristow 334/18*.—Fakos peninsula, N part, 10 m, N39°50.68' E25°10.61'. Arable field (oats). 15 May 2021, *Bergmeier (obs.)*.

Mapped by Strid (2016) based on Rauh (1949: 577); not recorded since. Our investigations revealed scattered occurrences across the island.

Galium verticillatum Danthoine

Myrina, below the Fortress, 40 m, N39°52.60' E25°03.45'. Rock fissures. 25 April 2018, *Krause & Ristow 313/18*. This appears to be the first confirmation for Limnos since 1927 (Rechinger 1929: 315), still in the same place!

Ruppiaceae

Ruppia maritima L.

Saltmarsh 1.0 km N Plaka, 1 m, N40°00.865' E25°25.795'. Ditch in saltmarsh. 4 October 2016, *Krause & Ristow 655/16*.—Diapori Beach 1.3 km S Tsimandria, 0 m, N39°51.30' E25°10.26'. Ditch connected to the sea. 3 October 2016, *Krause & Ristow 630/16*.—S end of Lake Aliko, 0 m, N39°55.49' E25°21.78'. Wet saline mud in ditch. 13 May 2021, *Bergmeier 21-148*.

Rutaceae

Ruta chalepensis L.

0.6 km N Aj. Sofia, near the windmill ruins, 70 m, N39°50.20' E25°19.63'. Open sandy ground. 16 May 2021, *Bergmeier (obs.)*.

Salicaceae

Populus canescens (Aiton) Sm.

250 m W of Plaka harbour, 5-10 m, N40°01.16' E25°25.86'. Clonal, large patch of over 1500 m². 4 October 2016, *Krause & Ristow 656/16*; 9 May 2018, *Krause & Ristow 619/18*.—1.4 km SW Aj. Dimitrios, 70 m, N39°54.34' E25°08.15'. Rivulet low terrace. 7 May 2021, *Bergmeier & Meyer (obs.)*.—Coastal flat 2.5 km E of Thanos, 3 m, N39°51.20' E25°07.09'. Roadside. 15 May 2021, *Bergmeier 21-191*.

New to the North Aegean. First reported as native in Greece by Bergmeier & al. (2020: 127) from the NW mainland (Prespa). The populations mentioned above occur in a natural stand or are spreading spontaneously from cultivated stock.

Sapindaceae

Cardiospermum halicacabum L. var. *halicacabum*

Skandali, village centre, 50 m, N39°48.265' E25°19.99'. Ruderal. 12 October 2016, *Krause & Ristow 775/16*. New to the North Aegean, not mapped by Strid (2016).

Scrophulariaceae

Verbascum rupestre (Davidov) I.K. Ferguson

N part of the hill at the N edge of Kontias, halfway up, 40 m, N39°52.11' E25°08.97'. Rock fissure. 10 May 2018, *Krause & Ristow 650/18*.

Simaroubaceae

Ailanthus altissima (Mill.) Swingle

Myrina, the Fortress and port, 20 m, N39°52.6' E25°03.5'. 28 September 2020, *Bergmeier (obs.)*.

Originally planted (Rauh 1949: 576), fully established on the island and known from Myrina's fortress hill since many decades (Rechinger 1943); recorded also in other settlements on the island (Panitsa & al. 2003: 99); not mapped by Strid (2016).

Smilacaceae

Smilax aspera L.

South of Paralia Papias, 41 m, N39°58.93' E25°11.31'. *Sarcopoterium phrygana*, not grazed. 13 April 2018, *Panitsa (obs.)*.

Solanaceae

Datura wrightii Regel

Myrina, foot of castle hill, 20 m, N39°52.6' E25°03.5'. Ruderal site with rock debris. 28 September 2020, *Bergmeier 20-71*.

Not known elsewhere in the country but the identity of plants determined as *D. inoxia* Mill. from Limnos (Aj. Ioannis, Trimandria; Baliouisis 2014: 281) and elsewhere in Greece and the Aegean should be re-examined (Bergmeier 2021b).

Lycopersicon esculentum Mill. (*Solanum lycopersicum* L.)

Edge of village Kontias, 5 m, N39°51.7' E25°09.4'. Ditch and damp road verge. 15 October 2019, *Bergmeier (obs.)*. Spontaneous occurrence outside cultivated ground but degree of naturalization uncertain.

Solanum nigrum L. subsp. *nigrum*

East edge of Kontias, 5 m, N39°51.7' E25°09.4'. Maize field. 15 October 2019, *Bergmeier 19-415*.

Given by Panitsa & al. (2003: 99) and mapped by Strid (2016) as species sensu lato. Subsp. *nigrum* appears to be common on the island (chiefly on cultivated land and in settlements) but subsp. *schultesii* (*Solanum decipiens* Opiz) was also found (Biel & Tan 2015).

Solanum villosum Mill.

Eastern edge of Kontias, 4 m, N39°51.7' E25°09.4'. Maize field. 15 October 2019, *Bergmeier (obs.)*.

S. alatum Moench (*S. luteum* subsp. *alatum* (Moench) Dostál; *S. villosum* subsp. *miniatum* (Willd.) Edmonds), previously recorded by Biel & Tan (2015), was also found (towards Airport, 5 m, N39°55.3' E25°13.8'E; irrigated melon field; 29 September 2020, *Bergmeier 20-89*.—Myrina, Argonafton, S of officers' mess, 1-2 m, N39°52.95' E25°03.73'. Sandy beach, ruderal. 5 October 2016, *Krause & Ristow 674/16*).

Valerianaceae

Valerianella coronata (L.) DC.

0.2 km ENE Roussopouli, 40 m, N39°53.07' E25°18.775'. Embankment, roadside. 22 April 2018, *Krause & Ristow 229/18*.—0.3 km SE Aj. Alexandros, 10 m, N39°57.73' E25°22.22'. Roadside. 23 April 2018, *Krause & Ristow 249/18*.—0.9 km SE Aj. Alexandros, N edge Lake Aliko, 3 m, N39°57.47' E25°22.43'. Semisalinity ground, annual vegetation. 23 April 2018, *Krause & Ristow 257/18*.—Above Paralia Louri 0.2 km W Aj. Sozon, SE Fisini, 5-10 m, N39°48.415' E25°21.64'. Phrygana above the beach. 27 April 2018, *Krause & Ristow 352/18*.—Between Chortarolimni and Keros beach, N-edge of the coastal depression, 2-3 m, N39°54.38' E25°21.17'. Moist sand. 28 April 2018, *Krause & Ristow 374/18*.—2 km NW of Panaghia, 65 m, N39°59.37' E25°23.50'. Annual-rich phrygana. 14 May 2021, *Bergmeier 21-172*.—2 km ESE of Kaviri Sanctuary, 50 m, N39°58.60' E25°21.78'. Annual-rich spot in *Sarcopoterium* phrygana. 14 May 2021, *Bergmeier (obs.)*.

Valerianella muricata (Roem. & Schult.) W.H. Baxter

Between Chortarolimni and P. Keros, N-edge of the coastal depression, 2-3 m, N39°54.38' E25°21.17'. Moist sand. 28 April 2018, *Krause & Ristow 379/18*.—At the coast 0.5 km NW of the pier of Moudros, 5-10 m, N39°52.61' E25°15.81'. Patch of phrygana above the coastline. 21 April 2018, *Krause & Ristow 204/18*.—1 km NNW above Panaghia, 70 m, N39°59.29' E25°23.91'. Disturbed site in phrygana. 14 May 2021, *Bergmeier 21-173*.—2.3 km NW of Panaghia, 50 m, N39°59.40' E25°22.92'. Annual-rich phrygana. 14 May 2021, *Bergmeier 21-182*.—2 km ESE of Kaviri Sanctuary, 50 m, N39°58.60' E25°21.78'. Annual-rich spot in *Sarcopoterium* phrygana. 14 May 2021, *Bergmeier (obs.)*.—Diapori, 0-1 m, N39°51.35' E25°10.35'. Sheep pasture, wet-dry sand. 15 May 2021, *Bergmeier 21-217a*.—1.3 km SW of Aj. Dimitrios, 80 m, N39°54.31' E25°08.20'. Arable field. 7 May 2021, *Bergmeier (& Meyer) 21-36*.—1.6 km SW of Aj. Dimitrios, 100 m, N39°54.31' E25°08.07'. Open woodland. 7 May 2021, *Bergmeier (& Meyer) 21-41*.

Verbenaceae

Phyla canescens (Kunth) Greene

Moudros, N edge, 20 m, N39°52.68' E25°16.13'. Village edge, ruderal, roadside. 10 October 2016, *Krause & Ristow 755/16*. —1 km SW of the airport approach road, 10 m, N39°55.07' E25°13.43'. Ruderal. 21 May 2019, *Krause & Ristow 158/19*.

New to the North Aegean.

Zosteraceae

Zostera noltei Hornem.

Koukonisi N Moudros, SW side, 0 m, N39°53.10' E25°16.13'. Shallow seawater. 26 May 2019, *Krause & Ristow 271/19*. New to the North Aegean. Broad-leaved plants (up to 1.7 mm), washed up at a saltwater trench 0.5 km SSE of Lychna, 0 m, N39°54.64' E25°16.03' (12 October 2016, *Krause & Ristow 771/16*) could be either this species or *Z. marina* L.