

NEW RECORDS OF PLANTHOPPERS AND LEAFHOPPERS FROM SLOVENIA, WITH A CHECKLIST OF HITHERTO RECORDED SPECIES (HEMIPTERA: AUCHENORRHYNCHA)

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Abstract – A preliminary checklist of the Auchenorrhyncha species of Slovenia is presented. The list comprises published and new records of 378 species from 13 families, including first records of 187 species.

KEY WORDS: Hemiptera, Auchenorrhyncha, Fulgoromorpha, Cicadomorpha, fauna, Slovenia

Izveček – NOVI PODATKI O FAVNI ŠKRŽATOV SLOVENIJE S SEZNAMOM DOSLEJ UGOTOVLJENIH VRST (HEMIPTERA: AUCHENORRHYNCHA)

Na podlagi materiala nabranega v novejšem času in podatkov v literaturi je bil napravljen predhodni seznam škržatkov (Auchenorrhyncha) slovenskega ozemlja. Seznam obsega 378 vrst iz 13 družin. Za 187 vrst je to prva navedba za ozemlje Slovenije.

KLJUČNE BESEDE: Hemiptera, Auchenorrhyncha, Fulgoromorpha, Cicadomorpha, favna, Slovenija

Introduction

In his famous book *Entomologia Carniolica* Giovanni Antonio Scopoli published the first data on 19 Auchenorrhyncha species from Slovenia (Scopoli 1763). During

the next 120 years, only few records were added (e.g. Scopoli 1772, Flor 1861). The most important papers on Slovenian leafhoppers and planthoppers were published by Franz Then and Eduard Graeffe (Then 1886, Graeffe 1903). Then collected mainly in »Lees (Krain)«, today Lesce, and presented data of 67 species from Slovenia in his first Austrian Auchenorrhyncha catalogue (Then 1886). Graeffe recorded species mainly from southwestern Slovenia, particularly »im Isonzothale« (Soča valley) in »Tolmein« (Tolmin). Later, again only few data were published (e.g. Wagner 1953, Kiauta 1962, Tanasijević 1965). In contrast to the numbers published by Jankovič (1978, 1986) until 1970 at least 172 species were recorded from Slovenia.

During the past 30 years, only very few data were added. Intensive investigations were carried out mainly in singing cicadas; due to the work of A. & M. Gogala, W. Schedl, T. Trilar and others, the Slovenian cicada fauna is today well known (see Schedl 1986, 2000, Gogala & Gogala 1999).

This paper presents a review on the published data of Auchenorrhyncha from Slovenia, improved by new data mainly achieved by the second author. Including first records of 187 species, 378 species (among them 16 »dubious«) are known from Slovenia today.

List of sampling sites

An alphabetical list of all Auchenorrhyncha sampling sites is given in Table 1; these sites and those mentioned in Gogala & Gogala (1999) are also summarized in a map (Fig. 1).

Table 1: List of sampling sites of Auchenorrhyncha in Slovenia, with position reference in UTM-grid.

Sampling site	position (UTM-grid)
Ajdovščina	VL 18
Ajševica	UL 98
Ankaran	VL 05
Bate	UM 90
Beka	VL 15
Berek (D. Bistrica, Kolišče Bobri)	WM 95
Bilje	UL 98
Bohinjsko jezero	VM 12
Boka/Soča	UM 83
Bovec	UM83

Sampling site	position (UTM-grid)
Brežice (= "Breze" by Horváth ?)	WL 48
Brje pri Komnu	VL 07
Bukovo	VM 11
Cerkniško jezero	VL 56 & 57
Cerkno	VM 20
Col	VL 28
Čaven	VL 18
Črni log	XM 06
Črniške Ravne	VL 08
Črnivec	VM 72

Sampling site	position (UTM-grid)
Divača	VL 25
Dolnje Ležeče	VL 25
Dragonja	UL 93
Duplje	VL 18
Fjesa (Portorož)	UL 94
Gabrovica pri Komnu	VL 07
Gornje Jezero (Obrh)	VL 56
Gojače	VL 08
Gorenja Kanomlja	VL 19
Gradec pri Pivki	VL 36
Gradišče pri Materiji	VL 24
Gradišče pri Vipavi	VL 27
Grgar	UL 99
Hotedrščica	VL 38
Hrib-Loški Potok	VL 76
Hrvoji	VL03
Hrušica	VL 38
Hudo Polje	VL 19
Idrija pri Bači	VM 00
Iga Vas	VL 66
Izola	UL 94
Jelenk	UM 90
Jez Vogršček	VL 08
Kastelec	VL 14
Kneža	VM 01
Kobarid	UM 82
Kočevje	VL85
Kojca	VM 11
Kojsko	UL 99
Komen	VL 07
Komna	VM 02
Kopriva – Štanjel	VL 17
Kopriva na Krasu	VL 07

Sampling site	position (UTM-grid)
Koritno	VM33
Kreplje	VL 16
Kromberk	UL 99
Kucelj	VL08
Labinje	VM 21
Laniše pri Kalcah	VL 38
Lazna	VM 00
Levpa	UM 90
Lig	UM 90
Lijak	UL 99
Ljubljana	VM50 & 60, VL 69
Ljutomer	WM 95
Log pri Vipavi	VL 17
Lokavec	VL 18
Loke	UL 99
Lokve	VL 09
Lokvica	UL 97
Lože	VL 17
Lozice	VL 26
Mačkovec – Postojna	VL 47
Mala Lazna	VL 09
Mala Polana	XM 05
Mali Golaki	VL 19
Most na Soči	VM 01
Nanos	VL 26 & 27
Nova Gorica	UL 99
Oblakov vrh	VM 10
Opatje selo	UL 98
Panovec	UL 98
Pivka jama	VL 37
Planinsko polje	VL 47
Poče	VM 21

Sampling site	position (UTM-grid)
Podkraj	VL 28
Podnanos	VL 27
Podsabotin	UL 99
Pokljuka – Pl. Lipanca	VM 13
Pokljuka	VM 23
Poljčane	WM 54
Porezen	VM 21
Postojna	VL 37
Potoče	VL 08
Prešnica	VL14
Prvačina	UL 98
Radgona	WM 76
Ravne nad Šoštanjem	WM 03
Ravnica	UL 99
Renče	UL 98
Rogla	WM 24
Rožna dolina	UL 98
Sabotin	UL 99
Sečovelje (Soline)	UL 93
Sedovec	VL 09
Senožeče – Senadole	VL 26
Sirči	VL03
Skalnica	UL 99
Slap ob Idrijci	VM 00
Slap pri Vipavi	VL 17
Slivnica	VL 67
Smrekova Draga	VL 19
Snežnik	VL 54
Solkan	UL 99
Stan (Čepovanska dolina)	VL 09
Stara Gora	UL 98
Stomaž	VL 18

Sampling site	position (UTM-grid)
Stržiška planina	VM 11
Studeno	VL 37
Sv. Marija (Strunjan)	UL 94
Šempas	VL 08
Šmartno v Brdih	UL 89
Šmihel	VL 08
Tolmin	VM 01
Tolminska korita	VM 01
Trdnjava Kluže	UM 93
Trebenče	VM 21
Trebnje	WL 08
Trenta – Soča	VM 03
Trnovo	VL 09
Trstelj	UL 98
Velika Gora	VL 86
Veržej	WM 95
Vipava	VL 17
Vipolže	UL 89
Vitovlje	VL 08
Vogel	VM 02 & 12
Vogrsko	VL 08
Vojsko	VL 19
Vremška dolina	VL 35
Vršič	VM 04
Vrtojba	UL 98
Zalog	VM 70
Zalošče	VL 08
Zatolmin	VM 01
Žalec	WM 12
Žimarice	VL 66

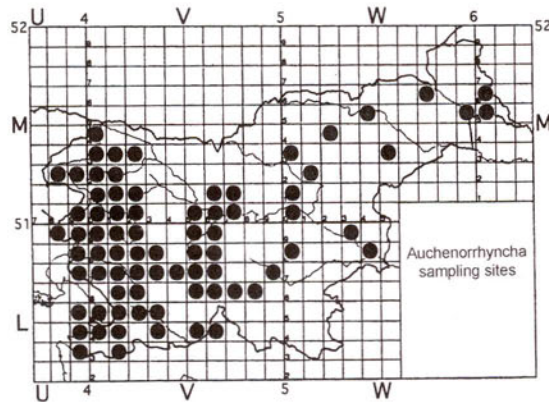


Fig. 1: Sampling sites of Auchenorrhyncha in Slovenia, with the UTM-grid.

Preliminary Checklist

Table 2 summarizes all published data on Auchenorrhyncha from Slovenia known to the authors, except the data on 19 species mentioned by Scopoli (1763) and Cicadidae and Tibicinidae (for the latter see Gogala & Gogala 1999). Records from adjacent regions are not included, although the specimen might be partly collected within Slovenian borders (e.g. »Carnische Alpen« by Fieber, and records from »Raibl (Kärnten)«, now Cave del Predil, Italy, and the surroundings of Trieste by Then). Concerning Graeffe's (1903) data, species characterized as »common« (»im Küstenlande häufig«) and »im Karst« are included in the checklist, whereas species recorded from »Istrien« and »Triest« are not included.

In Table 2 unpublished records of Dr. Ljubodrag Janković, Prof. Dr. R. Remane and the authors are also included; they are marked as »LJ«, »RR«, »GS« and »WH«. Dubious records due to reconfirmation studies are marked by »[?]"

Few published records are omitted from the list: very unlikely is the existence of *Zyginidia scutellaris* (Herrich-Schäffer, 1838) in Slovenia. Records were published by Then 1886 from Lesce and by Graeffe 1903, both sub *Zygina scutellaris*. Records mentioned in the unpublished card-index of Dr. Janković from »Breze« by Horvath, were omitted, too, as the authors were unaware of the location of this sampling site. This concerns records of *Muirodelphax aubei*, *Issus coleoptratus*, *Hysteropterum schaefferi*, *Oncopsis flavicollis* (sub *Bythoscopus flavicollis*), *Oncopsis tristis* (sub *Bythoscopus rufusculus*), *Hephathus nanus*, *Evacanthus acuminatus*, *Ossiannilssonola callosa*, *Edwardsiana lethierryi*, *Balclutha saltuella*, *Allygidius atomarius* and *Sorhoanus medius*. The record of *Anoterostemma ivanoffi* (Lethierry, 1876) from »Krain« in Melichar (1896) sub *A. henshii* Löw is erroneous: Löw (1886: 355) wrote that the species was collected »...in der Nähe von Monfalcone in Krain«, whereas Melichar (1896: 200) misinterpreted it as »...in der Nähe von Monfalcone und in Krain«.

Dubious names published from Slovenia are »*Oliarus hyalinus* Fieb.« and »*Megamelus leptus* Fieb.«, recorded by Graeffe (1903), *Agallia aliena* Fieber, recorded by Fieber (1868) from Ljubljana and *Deltocephalus* resp. *Psammotettix striatus* by Graeffe (1903) and Tanasijević (1965); they are also omitted from the list.

Table 2: Checklist of hitherto recorded Auchenorrhyncha species from Slovenia. The nomenclature follows Holzinger et al. (1997), with very few exceptions. The following abbreviations and symbols are used:

GS: unpublished record, leg., det. et in coll. Mag. Gabrijel Seljak, Nova Gorica

LJ: unpublished record, leg. and det. Dr. Ljubodrag Janković, in coll. Natural History Museum Beograd. Collecting data: Postojna: Cerknisko jezero, Pivka Jama and Iga Vas, 17.7.1979 and 18.7.1979; Trebnje 25.8.1981; and Snežnik, 20.7.1982.

RR: unpublished record, leg., det. et in coll. Prof. Dr. Reinhard Remane, Marburg/Lahn. The species were collected at the end of August 1989.

WH: unpublished record, leg., det. et in coll. Dr. Werner Holzinger, Graz. The species were collected during a field trip of the Dept. of Zoology of the Karl-Franzens-University Graz during the first week of June 1999.

»[?]«: Dubious record due to reconfirmation.

Species	Reference(s): Localities and remarks
Fulgoromorpha Evans, 1946	
Cixiidae Spinola, 1839	
<i>Cixius nervosus</i> (Linnaeus, 1758)	Then 1886: Lesce; Graeffe 1903; Kiauta 1962: Škofja Loka; GS: Ajdovščina, Bilje, Gabrovica pri Komnu, Kopriva na Krasu, Loke, Panovec, Vipava, Vipolže
<i>Cixius cunicularius</i> (Linnaeus, 1767)	Then 1886: Lesce; GS: Sabotin; B. Schürer & H. Löcker, unpubl.: Soča valley
<i>Cixius wagneri</i> China, 1942	GS: Ajdovščina, Kromberk, Lože, Prvačina, Ravnica, Šempas, Šmihel, Vipava, Vogrsko, Zalošče
<i>Cixius simplex</i> (Herrich-Schäffer, 1835)	Then 1886: Lesce
<i>Cixius carniolicus</i> Wagner, 1939	Wagner 1939: Nanos (locus typicus)
[?] <i>Cixius stigmaticus</i> (Germar, 1818)	Kiauta 1962 [?]: Škofja Loka
<i>Cixius dubius</i> Wagner, 1939	GS: Sabotin
<i>Tachycixius pilosus</i> (Olivier, 1791)	Graeffe 1903, sub <i>Cixius pilosus</i> Ol.; Kiauta 1962, sub <i>Cixius pilosus</i> : Škofja Loka; GS: Levpa, Lijak, Ravnica, Sabotin, Skalnica
<i>Trirhacus michalki</i> (Wagner, 1948)	Holzinger 1999: 5 km SW Bled
<i>Myndus musivus</i> (Germar, 1825)	Graeffe 1903: Soča valley (Tolmin); GS: Nova Gorica, Renče, Tolmin

<i>Pentastiridius beieri</i> (Wagner, 1970)	B. Schürer & H. Löcker, unpubl.: Soča valley, June 3rd, 2000
<i>Reptalus cuspidatus</i> (Fieber, 1876)	Then 1886: Lesce, sub <i>Oliarus cuspidatus</i> Fieber; GS: Kromberk, Loke, Most na Soči, Panovec, Renče, Vipava
<i>Reptalus panzeri</i> (Löw, 1883)	GS: Kromberk
<i>Hyalesthes obsoletus</i> Signoret, 1865	Graeffe 1903; LJ: Maribor, leg. Tanasjevič; Kiauta 1962: Škofja Loka; GS: Loke, Nova Gorica, Renče
<i>Hyalesthes luteipes</i> Fieber, 1876	GS: Nova Gorica
Delphacidae Leach, 1865	
Asiracinae Motschulsky, 1863	
<i>Asiraca clavicornis</i> (Fabricius, 1794)	GS: Zalošče
Kelisiinae Wagner, 1963	
<i>Kelisia guttula</i> (Germar, 1818)	Then 1886: Lesce [?]; Graeffe 1903 [?]; LJ: Trebnje, in coll. M. Asche; GS: Duplje, Jez Vogršček, Kromberk, Vitovlje
<i>Kelisia hagemini</i> Remane & Jung, 1995	Remane & Jung 1995: Brje pri Komnu
[?] <i>Kelisia vittipennis</i> (J. Sahlberg, 1868)	Graeffe 1903 [?]
<i>Kelisia punctulum</i> (Kirschbaum, 1868)	GS: Panovec
<i>Kelisia henschii</i> Horváth, 1897	LJ: Postojna, Cerknjsko jezero
<i>Kelisia ribauti</i> Wagner, 1938	LJ: Postojna, Trebnje
<i>Kelisia confusa</i> Linnavuori, 1957	LJ: Postojna, Trebnje
<i>Anakelisia perspicillata</i> (Boheman, 1845)	Graeffe 1903: Tolmin, sub <i>Kelisia perspicillata</i> Boh.; RR: Brje pri Komnu
<i>Anakelisia fasciata</i> (Kirschbaum, 1868)	LJ: Postojna, Cerknjsko jezero, Trebnje
Stenocraninae Wagner, 1963	
<i>Stenocranus major</i> (Kirschbaum, 1868)	GS: Ajševica, Bilje
<i>Stenocranus minutus</i> (Fabricius, 1787)	GS: common and widespread
Delphacinae Wagner, 1963	
<i>Megamelus notula</i> (Germar, 1830)	LJ: Postojna, Cerknjsko jezero, Trebnje
<i>Conomelus lorifer</i> Ribaut, 1948 ssp. <i>dehneli</i> Nast, 1966	LJ: Postojna; GS: Bukovo, Jez Vogršček
<i>Ditropis pteridis</i> (Spinola, 1839)	LJ: Postojna: Pivka Jama
<i>Eurysa lineata</i> (Perris, 1857)	Graeffe 1903; GS: Lokvica, Skalnica, Trstelj
<i>Eurysa flavobrunnea</i> (Dlabola, 1956)	GS: Trnovo
<i>Delphacinus mesomelas</i> (Boheman, 1850)	WH: Žimarice

<i>Metropis mayri</i> Fieber, 1866	GS: Trstelj
<i>Euconomelus lepidus</i> (Boheman, 1847)	Graeffe 1903: Soča valley (Tolmin); Kiauta 1962: Škofja Loka, both sub <i>Conomelus limbatus</i> Fabr.; LJ: Trebnje
[?] <i>Delphax crassicornis</i> (Panzer, 1796)	Kiauta 1962 [?]: Škofja Loka
<i>Eurybregma nigrolineata</i> Scott, 1875	GS: Gradišče pri Materiji, Opatje selo, Trstelj; WH: Trdnjava Kluže
<i>Stiroma affinis</i> Fieber, 1866	GS: Kucelj
<i>Stiroma bicarinata</i> (Herrich-Schäffer, 1835)	LJ: Postojna, Cerkniško jezero; GS: Mala Lazna, Mali Golaki, Smrekova Draga, Vojsko
<i>Euides speciosa</i> (Boheman, 1845)	LJ: Postojna, Cerkniško jezero; GS: Bilje
<i>Chloriona sicula</i> Matsumura, 1910	RR: Sečovelje
<i>Chloriona smaragdula</i> (Stal, 1853)	LJ: Postojna, Cerkniško jezero; GS: Bilje, Nova Gorica
<i>Megadelphax sordidulus</i> (Stal, 1853)	Graeffe 1903: Soča valley, sub <i>Delphax sordidula</i> Stal; LJ: Tolmin, leg. Tanasijević; GS: Kromberk, Potoče, Ravnica, Šmihel
<i>Laodelphax striatellus</i> (Fallén, 1826)	Tanasijević 1965: Pohorje, sub <i>Calligypona striatella</i> Fall.; LJ: Postojna: Pivka Jama and Iga Vas, Trebnje; GS: common and widespread.
<i>Ditropsis flavipes</i> (Signoret, 1865)	Graeffe 1903, sub <i>Dicranotropis flavipes</i> Fieb.; Kiauta 1962, sub <i>Dicranotropis flavipes</i> Fieb.: Škofja Loka; GS: Bovec, Hrvoji (coll. Brelih), Loke, Stomaž; RR: Brje pri Komnu; WH: Nanos
<i>Hyledelphax elegantulus</i> (Boheman, 1847)	Graeffe 1903: Soča valley (Tolmin), sub <i>Delphax elegantula</i> Boh.; GS: Kucelj; RR: Brje pri Komnu
<i>Mirabella albifrons</i> (Fieber, 1879)	Melichar 1896, sub <i>Liburnia albifrons</i> Fieb.: "Küstenland (Görz)" (=Gorica)
<i>Muellerianella brevipennis</i> (Boheman, 1847)	GS: Kucelj, Rogla
[?] <i>Muellerianella fairmairei</i> (Perris, 1857)	Graeffe 1903 [?]: Tolmin, sub <i>Delphax fairmairei</i> Perris
<i>Muellerianella extrusa</i> (Scott, 1871)	LJ: Postojna, Cerkniško jezero; RR: Fjesa (Portorož)
<i>Chlorionidea flava</i> Löw, 1885	Graeffe 1903; GS: Jelenk, Nanos, Skalnica, Trstelj
<i>Muirodelphax aubei</i> (Perris, 1857)	RR: Dragonja
<i>Kosswigianella exigua</i> (Boheman, 1847)	Graeffe 1903, sub <i>Delphax exigua</i> Boh.
<i>Acanthodelphax spinosus</i> (Fieber, 1866)	Graeffe 1903: Soča valley, sub <i>Delphax spinosa</i> Fieb.; GS: Bukovo, Rogla

<i>Dicranotropis hamata</i> (Boheman, 1847)	Then 1886: Lesce; Graeffe 1903; Kiauta 1962: Škofja Loka; LJ: Postojna, Trebnje; GS: Bilje, Bukovo, Cerkno, Kromberk, Kucelj, Ljubljana, Nova Gorica, Panovec, Prvačina, Radgona, Ravnica, Strunjan; RR: Brje pri Komnu
<i>Dicranotropis divergens</i> Kirschbaum, 1868	GS: Vršič
<i>Florodelphax leptosoma</i> (Flor, 1861)	Then 1886: Lesce, sub <i>Delphax leptosoma</i> Flor; LJ: Postojna; WH: Žimarice
[?] <i>Florodelphax paryphasma</i> (Flor, 1861)	Graeffe 1903 [?]: Tolmin, sub <i>Delphax niveomarginata</i> Scott
<i>Horvathianella palliceps</i> (Horvath, 1897)	Graeffe 1903 [?]: Soča valley (Tolmin), "Karst"; sub <i>Delphax palliceps</i> Horv.; RR: Dragonja, Brje pri Komnu
<i>Xanthodelphax stramineus</i> (Stal, 1858)	LJ: Trebnje; GS: Panovec
<i>Paradelphacodes paludosus</i> (Flor, 1861)	GS: Bilje, Panovec
<i>Criomorphus albomarginatus</i> Curtis, 1833	GS: Kucelj
<i>Toya propinqua</i> (Fieber, 1866)	GS: Duplje, Lokavec, Loke, Nova Gorica, Potoče, Vitovlje, Vogrsko; RR: Dragonja, Brje pri Komnu
[?] <i>Javesella discolor</i> (Boheman, 1847)	Graeffe 1903 [?]: Tolmin, sub <i>Delphax discolor</i> Boh.
<i>Javesella pellucida</i> (Fabricius, 1794)	GS: Bukovo, Kucelj
<i>Javesella dubia</i> (Kirschbaum, 1868)	LJ: Postojna: Pivka Jama and Iga Vas; GS: Bilje, Nova Gorica, Prvačina, Vremška dolina
<i>Javesella obscurella</i> (Boheman, 1847)	LJ: Postojna
<i>Ribautodelphax albostrigatus</i> (Fieber, 1866)	Graeffe 1903 [?]: Soča valley, sub <i>Delphax albostrigata</i> Fieb.; GS: Koritno (coll. Brelih), Kromberk, Vogel, Vrtojba
<i>Ribautodelphax angulosus</i> (Ribaut, 1953)	GS: Črniške Ravne, Kromberk
<i>Ribautodelphax bicolor</i> Logvinenko, 1970	WH: Nanos
[?] <i>Ribautodelphax collinus</i> (Boheman, 1847)	Then 1886 [?]: Lesce, sub <i>Delphax collina</i> Boheman; LJ [?]: Postojna and Iga Vas
<i>Ribautodelphax imitans</i> (Ribaut, 1953)	GS: Kromberk, Most na Soči, Nova Gorica, Prvačina, Slap pri Vipavi
<i>Ribautodelphax pungens</i> (Ribaut, 1953)	Bieman 1987: Postojna, Unec; GS: Bovec (coll. Brelih), Črniške Ravne, Kromberk, Labinje, Lokavec, Trstelj; RR: Fjesa (Portorož)
Dictyopharidae Spinola, 1839	
<i>Dictyophara europaea</i> (Linnaeus, 1767)	Graeffe 1903: southern Soča valley up to "Canale" (Kanal); Kiauta 1962, sub <i>Fulgora europaea</i> L.: Škofja Loka; GS: widespread

<i>Dictyophara multireticulata</i> (Mulsant & Rey, 1855)	Graeffe 1903: Boršt pri Kopru
Tettigometridae Germar, 1821	
<i>Mitricephalus macrocephalus</i> (Fieber, 1865)	GS: Gradišče pri Materiji; WH: Sv. Marija (Strunjan)
<i>Tettigometra fusca</i> Fieber, 1865	Graeffe 1903: Soča valley (Tolmin); Kiauta 1962: Škofja Loka
<i>Tettigometra impressopunctata</i> Dufour, 1846	Graeffe 1903; GS: Grgar, Kromberk, Sedovec, Vitovlje
<i>Tettigometra obliqua</i> (Panzer, 1799)	Graeffe 1903
<i>Tettigometra sordida</i> Fieber, 1865	GS: Kromberk
<i>Tettigometra virescens</i> (Panzer, 1799)	Graeffe 1903: Tolmin; GS: Kromberk
Caliscalidae Amyot & Serville, 1834	
<i>Caliscalis wallengreni</i> (Stal, 1863)	RR: Sečovlje, Dragonja; WH: Sečovlje
<i>Aphelonema melichari</i> (Horvath, 1897)	GS: Kucelj, Nanos, Ravnica, Sedovec, Skalnica, Vitovlje, Zalošče; WH: Kastelec
<i>Aphelonema quadrivittata</i> (Fieber, 1876)	Graeffe 1903, sub <i>Peltonotellus quadrivittatus</i> Fieb.; GS: Dolnje Ležeče, Komen, Kopriva – Štanjel, Renče, Sabotin, Trstelj; RR: Fjesa (Portorož)
Issidae Spinola, 1839	
<i>Issus coleoptratus</i> (Fabricius, 1781)	Then 1886: Lesce; Graeffe 1903: Soča valley (Tolmin); Kiauta 1962: Škofja Loka; GS: common and widespread
<i>Issus muscaeformis</i> (Schrank, 1781)	Graeffe 1903 [?], sub <i>Issus frontalis</i> Fieb.; GS: Šempas
<i>Agalmatium flavescens</i> (Olivier, 1791)	GS: Duplje, Kromberk, Nova Gorica, Col, Šmihel, Solkan, Zalošče, RR: Fjesa (Portorož)
<i>Latissus dilatatus</i> (Fourcroy, 1785)	GS: Beka, Duplje, Divača, Sirči (coll. Breljih)
<i>Quadrastylum conspurcatum</i> (Spinola, 1839)	GS: Podsabotin
<i>Mycterodus immaculatus</i> (Fabricius, 1794)	Graeffe 1903, sub <i>Hysteropterum immaculatum</i> Fabr.
<i>Hysteropterum schaefferi</i> Metcalf, 1958	Graeffe 1903, sub <i>Hysteropterum reticulatum</i> H.S.; GS: Čaven, Dolnje Ležeče, Kojško, Kromberk, Kucelj, Lijak, Nanos, Sabotin, Trstelj
Flatidae Spinola, 1839	
<i>Metcalfa pruinosa</i> (Say, 1830)	Šivic 1991, Seljak 1993b, e: common in (south)western parts of Slovenia, Ljubljana – Bežigrad

Tropiduchidae Stal, 1866

Trypetimorpha occidentalis GS: Zalošče; RR: Fjesa (Portorož), Sečovelje,
Huang & Bourgoïn, 1993 Dragonja

Cicadomorpha Evans, 1946

Cicadidae Latreille, 1802

Lyristes plebejus (Scopoli, 1763) see Gogala & Gogala 1999

Cicada orni Linnaeus, 1758 see Gogala & Gogala 1999

Cicadatra atra Olivier, 1790 see Gogala & Gogala 1999

Tibicinidae Distant, 1905

Tibicina haematodes (Scopoli, 1763) see Gogala & Gogala 1999

Cicadetta montana (Scopoli, 1772) see Gogala & Trilar 1998 and Gogala & Gogala 1999

Cicadetta tibialis (Panzer, 1798) see Gogala & Gogala 1999

Tettigetta argentata (Olivier, 1790) see Gogala & Gogala 1999

Tettigetta brullei (Fieber, 1876) see Gogala & Gogala 1999; SG: Vitovlje

Tettigetta dimissa (Hagen, 1856) see Gogala & Gogala 1999; SG: Bilje, Nova Gorica

Cercopidae Leach, 1815

Cercopinae Leach, 1815

Cercopis arcuata Fieber, 1844 WH: Trdnjava Kluže, Hrib-Loški Potok

Cercopis sanguinolenta (Scopoli, 1763) Graeffe 1903, sub *Triecphora mactata* Germ.; Kiauta 1962: Škofja Loka; Seljak 1997; GS: common and widespread

Cercopis vulnerata Rossi, 1807 Graeffe 1903, sub *Triecphora vulnerata* Germ.; Kiauta 1962, sub *Cercopis sanguinea* Geoffr.: Škofja Loka; Seljak 1985, 1987, sub *Cercopis sanguinea*; GS: common and widespread

Haematoloma dorsatum (Ahrens, 1812) GS: Lijak, Solkan, Stan – Čepovanska dolina

Aphrophorinae Amyot & Serville, 1843

Lepyronia coleoprata (Linnaeus, 1758) Then 1886: Lesce; Graeffe 1903; Kiauta 1962: Škofja Loka; Tanasijević 1962; GS: common and widespread

Neophilaenus albipennis (Fabricius, 1798) Graeffe 1903, sub *Ptyelus albipennis* Fab.; GS: Bukovo, Poče; RR: Fjesa (Portorož), Sečovelje

Neophilaenus campestris (Fallén, 1805) Graeffe 1903, sub *Ptyelus campestris* Fall.; GS: common and widespread

Neophilaenus exclamationis (Thunberg, 1784) Then 1886: Lesce, sub *Philaenus exclamationis* Thunberg; GS: Labinje, Porezen, Vogel

<i>Neophilaenus lineatus</i> (Linnaeus, 1758)	Then 1886: Lesce, sub <i>Philaenus lineatus</i> ; Graeffe 1903, sub <i>Ptyelus lineatus</i> L.; GS: Nanos, Rogla, Vojsko
<i>Neophilaenus limpidus</i> Wagner, 1935	Wagner 1935: Nanos
<i>Neophilaenus minor</i> (Kirschbaum, 1868)	Then 1886: Lesce, sub <i>Philaenus minor</i> ; Graeffe 1903, sub <i>Ptyelus minor</i> Kb.
<i>Aphrophora alni</i> (Fallén, 1805)	Graeffe 1903; Kiauta 1962: Škofja Loka; GS: common and widespread
<i>Aphrophora costalis</i> Matsumura, 1903	LJ: Velika Lomnica, leg. Dlabola; GS: Bilje, Bukovo, Potoče, Vipava
<i>Aphrophora salicina</i> (Goeze, 1778)	Graeffe 1903: Soča valley, sub <i>Aphrophora salicis</i> De Geer; GS: common and widespread
<i>Philaenus spumarius</i> (Linnaeus, 1758)	Graeffe 1903, sub <i>Ptyelus spumarius</i> L.; Kiauta 1962: Škofja Loka; Tanasjevič 1962; Seljak 1987; GS: common and widespread
Membracidae Rafinesque, 1815	
Centrotinae Amyot & Serville, 1843	
<i>Gargara genistae</i> (Fabricius, 1775)	Then 1886: Lesce; Kiauta 1962: Škofja Loka; GS: Nanos
<i>Centrotus cornutus</i> (Linnaeus, 1758)	Then 1886: Lesce; Graeffe 1903; Kiauta 1962: Škofja Loka; GS: common and widespread
Smiliinae Stal, 1869	
<i>Stictocephala bisonia</i> Kopp & Yonke, 1977	Seljak 1985, 1987, 1993d; LJ: Maribor, leg. Tanasjevič; GS: common in western parts of Slovenia; sometimes a serious pest on fruit trees.
Cicadellidae Latreille, 1825	
Ulopiinae Le Peletier & Serville, 1825	
<i>Ulopa reticulata</i> (Fabricius, 1794)	Then 1886: Lesce; Kiauta 1962: Škofja Loka
<i>Ulopa trivia</i> Germar, 1821	Graeffe 1903; GS: Opatje selo, Dolnje Ležeče, Sedovec
<i>Ulopa lugens</i> Germar, 1821	GS: Nanos
Megophthalminae Kirkaldy, 1906	
<i>Megophthalmus scanicus</i> (Fallén, 1806)	Then 1886: Lesce; Graeffe 1903; Kiauta 1962, sub <i>Paropia scanica</i> Fall.: Škofja Loka; GS: Dolnje Ležeče, Jez Vogršček, Kucelj, Nova Gorica, Oblakov vrh, Zatoľmin
<i>Megophthalmus scabripennis</i> Edwards, 1915	GS: Sabotin

Ledrinae Kirschbaum, 1868

Ledra aurita (Linnaeus, 1758) Graeffe 1903; Kiauta 1962: Škofja Loka; GS: Vitovlje

Macropsinae Evans, 1935

Oncopsis alni (Schrank, 1801) Then 1886: Lesce, sub *Bythoscopus alni* Schrank; Kiauta 1962, sub *Bythoscophus fenestratus* Schrk.: Škofja Loka; GS: Lozice

Oncopsis carpini (J. Sahlberg, 1871) GS: Lokavec, Panovec

Oncopsis flavicollis (Linnaeus, 1761)-gr. Then 1886: Lesce; Graeffe 1903: Tolmin, sub *Bythoscopus flavicollis* Linné; Kiauta 1962, sub *Bythoscophus flavicollis* L.: Škofja Loka; GS: Nova Gorica, Sabotin

Oncopsis subangulata (J. Sahlberg, 1871) GS: Nova Gorica

Pediopsis tiliae (Germar, 1831) Then 1886: Lesce; GS: Kromberk

Macropsis albae Wagner, 1950 GS: Jez Vogršček, Panovec, Potoče, Renče

Macropsis cerea (Germar, 1837) Then 1886 [?]: Lesce; Graeffe 1903 [?]: Tolmin, sub *Pediopsis cerea* Germar; GS: Jez Vogršček, Renče

Macropsis fuscula (Zetterstedt, 1828) Then 1886: Lesce; Graeffe 1903: Soča valley, sub *Pediopsis nassata* Germar

Macropsis glandacea (Fieber, 1868) GS: Stomaž; RR: Brje pri Komnu

Macropsis graminea (Fabricius, 1798) GS: Bilje, Jez Vogršček, Podkraj, Prvačina

Macropsis infuscata (J. Sahlberg, 1871) Then 1886: Lesce, sub *Pediopsis infuscata* Sahlberg; GS: Bilje, Lozice

Macropsis marginata (Herrich-Schäffer, 1836) Graeffe 1903: Soča valley; GS: Gorenja Kanomlja, Kromberk, Most na Soči, Prvačina, Bilje (*M. m. ossiannilssoni* Wagner); WH: G. Jezero

Macropsis prasina (Boheman, 1852) Then 1886 [?]: Lesce; Graeffe 1903 [?]: Soča valley, sub *Pediopsis virescens* Fabricius; Kiauta 1962 [?], sub *Macropsis virescens* F.: Škofja Loka; GS: Nova Gorica

Hephathus nanus (Herrich-Schäffer, 1835) Then 1886: Lesce; Graeffe 1903, sub *Pediopsis nana* Herrich-Schäffer; WH: Sv. Marija (Strunjan)

Agalliinae Kirkaldy, 1901

Agallia brachyptera (Boheman, 1847) Kiauta 1962: Škofja Loka

Agallia limbata Kirschbaum, 1868 Graeffe 1903: Soča valley (Tolmin, "Karfreit" = Kobarid), sub *Agallia dimorpha* Löw; Kiauta 1962: Škofja Loka; GS: Hrušica, Idrija pri Bači, Kucelj, Mačkovec – Postojna, Smrekova Draga, Vojsko; WH: Slivnica

<i>Anaceratagallia ribauti</i> (Ossiannilsson, 1938)	GS: Gojače, Jez Vogršček, Kopriva na Krasu, Kromberk, Nova Gorica, Panovec, Senožeče – Senadole, Šempas, Šmihel, Trstelj, Vitovlje, Vogrsko
<i>Anaceratagallia venosa</i> (Fourcroy, 1785)	Graeffe 1903 [?], sub <i>Agallia venosa</i> Fall.; Kiauta 1962 [?]; Škofja Loka; RR: Dragonja, Brje pri Komnu
<i>Austroagallia sinuata</i> (Mulsant & Rey, 1855)	Graeffe 1903: Soča valley (Tolmin), sub <i>Agallia sinuata</i> M.R.; GS: Bilje
<i>Dryodurgades dlabolai</i> Wagner, 1963	GS: Nanos
<i>Dryodurgades reticulatus</i> (Herrich-Schäffer, 1834)	GS: Bilje, Panovec, Šmihel, Strunjan, Vrtojba, Zalošče
Idiocerinae Baker, 1915	
<i>Rhytidodus decimusquartus</i> (Schränk, 1776)	Then 1886: Lesce, sub <i>Idiocerus scurra</i> Germar; GS: Bilje, Loke
<i>Idiocerus lituratus</i> (Fallén, 1806)	Then 1886 [?]: Lesce; Graeffe 1903 [?]; GS: Bilje, Bohinjsko jezero, Renče, Rožna dolina
<i>Idiocerus vicinus</i> Melichar, 1898	GS: Bilje, Ljubljana, Panovec, Potoče
<i>Idiocerus stigmatalis</i> Lewis, 1834	GS: common and widespread
<i>Idiocerus herrichi</i> Kirschbaum, 1868	GS: Bilje, Jez Vogršček, Labinje, Nova Gorica, Potoče, Slap pri Vipavi, Zalošče
<i>Stenidiocerus poecilus</i> (Herrich-Schäffer, 1835)	Then 1886: Lesce, sub <i>Idiocerus poecilus</i> Herrich-Schäffer
<i>Tremulicerus fulgidus</i> (Fabricius, 1775)	GS: Loke
<i>Tremulicerus mesopyrrhus</i> Kirschbaum, 1868	GS: Nova Gorica
<i>Viridicerus ustulatus</i> (Mulsant & Rey, 1855)	GS: Bilje, Nova Gorica, Vrtojba
<i>Populicerus confusus</i> (Flor, 1861)	Then 1886: Lesce, sub <i>Idiocerus confusus</i> Flor; GS: Lig, Lokve, Nanos, Porezen, Vogel
<i>Populicerus nitidissimus</i> (Herrich-Schäffer, 1835)	GS: Ajdovščina, Bilje, Jez Vogršček, Potoče
<i>Populicerus laminatus</i> Flor, 1861	GS: Levpa
<i>Populicerus populi</i> (Linnaeus, 1761)	Then 1886: Lesce; Graeffe 1903, sub <i>Idiocerus populi</i> Linné; GS: Labinje, Levpa, Vojsko, Vremska dolina
<i>Acericerus rotundifrons</i> (Kirschbaum, 1868)	GS: Ajševica, Kopriva na Krasu, Kromberk, Nova Gorica, Podnanos, Šempas, Stomaž, Vogrsko
<i>Acericerus vittifrons</i> (Kirschbaum, 1868)	Then 1886 [?]: Lesce, sub <i>Idiocerus tibialis</i> Fieber; GS: Log pri Vipavi, Panovec, Stara Gora

Balcanocerus larvatus (Herrich-Schäffer, 1837) Then 1886: Lesce, sub *Idiocerus notatus* Fabricius; Graeffe 1903: Tolmin, sub *Idiocerus exaltatus* Fabr.; GS: Renče

Iassinae Amyot & Serville, 1843

Iassus lanio (Linnaeus, 1761) Then 1886: Lesce; Graeffe 1903, sub *Macropsis lanio* Linné; GS: Beka, Bilje, Kojca, Lozice, Šmihel

Iassus scutellaris (Fieber, 1868) GS: Nova Gorica

Penthimiinae Kirschbaum, 1868

Penthimia nigra (Goeze, 1778) Graeffe 1903, sub *Penthimia atra* Fabr.; Kiauta 1962: Škofja Loka; WH: Kastelec; GS: Prešnica (coll. Breljih)

Dorycephalinae Oman, 1943

Eupelix cuspidata (Fabricius, 1775) Then 1886: Lesce, sub *Eupelix producta* Germar; Graeffe 1903; GS: Dolnje Ležeče, Gojače, Hotedrščica, Lijak, Sedovec, Vogrsko

Aphrodinae Haupt, 1927

Aphrodes bicinctus (Schrank, 1776) Graeffe 1903 [?], sub *Acocephalus nervosus* Schr.; Tanasijević 1962: Maribor, Pohorje (fide LJ); GS: Bohinjsko jezero, Nanos, Stomaž

Aphrodes makarovi Zachvatkin, 1948 GS: common and widespread, e. g. Bukovica, Bukovo, Črnivec, Duplje, Idrija pri Bači, Jez Vogršček, Kromberk, Kucelj, Labinje, Lokve, Nanos, Nova Gorica, Oblakov vrh, Porezen, Renče, Vipava, Vitovlje, Vogrsko, Vojsko

[?] *Planaphrodes bifasciatus* (Linnaeus, 1758) Then 1886 [?]: Lesce, sub *Acocephalus bifasciatus* Linné; Graeffe 1903 [?], sub *Acocephalus tricinctus* Curt.

Planaphrodes nigritus (Kirschbaum, 1868) GS: Vogel, Vršič

Anoscopus albifrons (Linnaeus, 1758) Graeffe 1903, sub *Acocephalus albifrons* L.; Kiauta 1962: Škofja Loka

Anoscopus flavostriatus (Donovan, 1799) Graeffe 1903: Soča valley, sub *Acocephalus rivularis* Germ.

Anoscopus histrionicus (Fabricius, 1794) GS: Nanos

Anoscopus serratulae (Fabricius, 1775) GS: Bohinjsko jezero

Cicadellinae Latreille, 1825

Evacanthus acuminatus (Fabricius, 1794) Then 1886: Lesce; Graeffe 1903: Soča valley;; Kiauta 1962: Škofja Loka; GS: common and widespread

<i>Evacanthus interruptus</i> (Linnaeus, 1758)	Then 1886: Lesce; Graeffe 1903: Soča valley (Tolmin); Kiauta 1962: Škofja Loka; GS: common and widespread
<i>Cicadella viridis</i> (Linnaeus, 1758)	Graeffe 1903, sub <i>Tettigonia viridis</i> L.; Kiauta 1962: Škofja Loka; Tanasijević 1962; GS: common and widespread
Typhlocybinae Kirschbaum, 1868	
Alebrini Mc Atee, 1926	
<i>Alebra wahlbergi</i> (Boheman, 1845)	GS: Bate, Bilje, Bukovo, Jez Vogršček, Kromberk, Levpa, Log pri Vipavi, Lokve, Most na Soči, Sabotin, Tolminska korita, Zalošče
<i>Alebra albostriella</i> (Fallén, 1826)	Then 1886: Lesce; Graeffe 1903; GS: common and widespread
<i>Alebra neglecta</i> Wagner, 1940	GS: Panovec, Skalnica
Dikraneurini Mc Atee, 1926	
<i>Erythria aureola</i> (Fallén, 1806)	Then 1886: Lesce, sub <i>Notus aureolus</i> Fallén; Graeffe 1903; GS: Hotedrščica, Kucelj, Porezen
<i>Erythria manderstjernii</i> (Kirschbaum, 1868)	GS: Komna, Kucelj, Nanos, Pokljuka, Pokljuka – pod Pl. Lipanca, Porezen, Stržiška planina, Vogel
<i>Liguropia juniperi</i> (Lethierry, 1876)	GS: Nova Gorica, Zalošče
<i>Emelyanoviana mollicula</i> (Boheman, 1845)	Flor 1861: Adelsberg in Krain (Postojna), sub <i>Typhlocyba facialis</i> Flor (locus typicus); Graeffe 1903, sub <i>Dicraneura mollicula</i> Boh.; GS: common and widespread
<i>Dikraneura variata</i> Hardy, 1850	GS: Kromberk
<i>Wagneriala sinuata</i> (Then, 1897)	GS: Skalnica
<i>Forcipata citrinella</i> (Zetterstedt, 1828)	GS: common and widespread, e.g. Bate, Bilje, Idrija pri Bači, Kromberk, Labinje, Nova Gorica, Panovec, Ravne nad Šoštanjem, Ravnica, Studeno, Vipava, Zalošče
<i>Forcipata forcipata</i> (Flor, 1861)	GS: Komna, Labinje, Porezen, Rogla, Vogel
[?] <i>Notus flavipennis</i> (Zetterstedt, 1828)	Graeffe 1903 [?], sub <i>Dicraneura flavipennis</i> Fabr.
Empoascini Distant, 1908	
<i>Empoasca affinis</i> Nast, 1937	GS: Ajdovščina, Ajševica, Bilje, Nova Gorica, Prvačina, Vipava, Žalec
<i>Empoasca decipiens</i> Paoli, 1930	GS: common and widespread, e.g. Ajševica, Bilje, Gradišče pri Vipavi, Kromberk, Nova Gorica, Panovec, Slap ob Idrijci, Stara gora, Vipava, Vogrsko

<i>Empoasca decedens</i> Paoli, 1932	Seljak 1997; GS: common and widespread in (south)western Slovenia; often a serious pest on young peaches.
<i>Empoasca pteridis</i> (Dahlbom, 1850)	GS: Bilje, Nova Gorica, Panovec, Ravnica, Sabotin; RR: Fjesa (Portorož), Dragonja
<i>Empoasca vitis</i> (Goethe, 1875)	Then 1886; Graeffe 1903, both sub <i>Chlorita flavescens</i> Fabricius; Seljak 1985, 1987, sub <i>Empoasca flavescens</i> ; Seljak 1993c, 1997; GS: common and widespread; sometimes a pest on vine.
<i>Kybos butleri</i> (Edwards, 1908)	GS: Bilje, Kromberk, Panovec, Renče
<i>Kybos mucronatus</i> (Ribaut, 1933)	GS: Lokve
<i>Kybos populi</i> (Edwards, 1908)	GS: Bilje, Loke
<i>Kybos rufescens</i> Melichar, 1896	GS: Vremska dolina
<i>Kybos smaragdulus</i> (Fallén, 1806)	Then 1886 [?]; Lesce; Graeffe 1903 [?]; Soča valley (Tolmin); GS: Bilje
<i>Kybos strigilifer</i> (Ossiannilsson, 1941)	GS: Lozice
<i>Kybos strobli</i> (Wagner, 1949)	GS: Mala Polana, Črni log
<i>Kybos virgator</i> (Ribaut, 1933)	GS: Bilje, Vipava
<i>Kyboasca bipunctata</i> (Oshanin, 1871)	GS: Nova Gorica
<i>Austroasca vittata</i> (Lethierry, 1884)	GS: Nova Gorica
<i>Xerochlorita mendax</i> (Ribaut, 1933)	GS: Jelenk, Lijak, Sabotin, Stan – Čepovanska dolina (on <i>Artemisia biasoletiana</i>). The type locality is "Gorizia (Italie)" (Ribaut 1933).
<i>Chlorita paolii</i> (Ossiannilsson, 1939)	GS: Duplje, Kromberk, Ljutomer, Ravnica, Šmihel
[?] <i>Chlorita viridula</i> (Fallén, 1806)	Graeffe 1903 [?]
Typhlocybini Kirschbaum, 1868	
<i>Fagocyba douglasi</i> (Edwards, 1878)	GS: Bilje, Čaven, Divača, Hudo polje, Komna, Nova Gorica, Panovec, Poče, Porezen, Smrekova Draga, Vogel
<i>Ficocyba ficaria</i> (Horváth, 1897)	GS: Bilje, Nova Gorica, Vogrsko
<i>Ossiannilssonola callosa</i> (Then, 1886)	GS: Nova Gorica, Vojsko
<i>Edwardsiana alnicola</i> (Edwards, 1924)	GS: Mala Polana
<i>Edwardsiana candidula</i> (Kirschbaum, 1868)	Graeffe 1903 [?], sub <i>Typhlocyba candidula</i> Kb.; GS: Bilje
<i>Edwardsiana crataegi</i> (Douglas, 1876)	GS: Idrija pri Bači
<i>Edwardsiana diversa</i> (Edwards, 1914)	GS: Bilje, Nova Gorica
<i>Edwardsiana flavescens</i> (Fabricius, 1794)	GS: Ajdovščina, Bilje, Col, Hudo polje

<i>Edwardsiana frustrator</i> (Edwards, 1908)	GS: Nova Gorica
<i>Edwardsiana ulmiphagus</i> Wilson & Claridge, 1999 = <i>Edw. hippocastani</i> (Edwards, 1888) sensu Ribaut 1936	GS: Lig, Šempas.
<i>Edwardsiana lethierryi</i> (Edwards, 1881) sensu Wilson & Claridge, 1999	RR: Brje pri Komnu
<i>Edwardsiana ishidai</i> (Matsumura, 1932)	GS: Skalnica
<i>Edwardsiana prunicola</i> (Edwards, 1914)	GS: Bilje
<i>Edwardsiana geometrica</i> (Schrank, 1801)	Then 1886: Lesce, sub <i>Typhlocyba geometrica</i> Schrank
<i>Edwardsiana rosae</i> (Linnaeus, 1758)	Then 1886 [?]: Lesce; Graeffe 1903 [?]: Soča valley (Tolmin), both sub <i>Typhlocyba rosae</i> Linné; GS: common and widespread, e.g. Bilje, Lokve, Nova Gorica
<i>Eupterycyba jucunda</i> (Herrich-Schäffer, 1837)	GS: Bilje
<i>Linnavuoriana sexmaculata</i> (Hardy, 1850)	Then 1886: Lesce; Graeffe 1903, both sub <i>Typhlocyba sexpunctata</i> Fallén
<i>Ribautiana debilis</i> (Douglas, 1876)	GS: Col, Lokve, Nova Gorica, Vipava
<i>Ribautiana scalaris</i> (Ribaut, 1931)	GS: Beka, Bilje
<i>Ribautiana tenerrima</i> (Herrich-Schäffer, 1834)	Graeffe 1903 [?], sub <i>Typhlocyba tenerrima</i> H.S.; GS: Ankaran, Bilje, Kromberk, Ravnica, Vogrsko, Žalec
<i>Ribautiana ulmi</i> (Linnaeus, 1758)	GS: Labinje, Mačkovec – Postojna
<i>Lindbergina aurovittata</i> (Douglas, 1875)	GS: Ljubljana
<i>Typhlocyba quercus</i> (Fabricius, 1777)	Flor 1861: Laibach (Ljubljana); Then 1886: Lesce; GS: Beka, Bilje, Jez Vogršček, Kopriva – Štanjel, Kromberk, Ljubljana, Šempas
<i>Typhlocyba bifasciata</i> Boheman, 1851	Then 1886: Lesce; Graeffe 1903: Soča valley (Tolmin), both sub <i>Typhlocyba nitidula</i> Fabricius; GS: Nova Gorica, Panovec, Tolmin
<i>Eurhadina concinna</i> (Germar, 1831)	Graeffe 1903 [?]: Soča valley (Tolmin); GS: Bilje, Divača, Lig, Nova Gorica, Tolmin
<i>Eurhadina kirschbaumi</i> Wagner, 1937	GS: Poče
<i>Eurhadina pulchella</i> (Fallén, 1806)	Then 1886 [?]: Lesce, sub <i>Eupteryx pulchella</i> Fallén; Graeffe 1903 [?]: Soča valley; GS: Bilje, Jez Vogršček, Črni log
<i>Eupteryx aurata</i> (Linnaeus, 1758)	Graeffe 1903; GS: common and widespread, e.g. Bilje, Duplje, Hrušica, Idrija pri Bači, Kucelj, Lozice, Nova Gorica, Porezen. Smrekova Draga, Vojsko

<i>Eupteryx atropunctata</i> (Goeze, 1778)	Graeffe 1903, sub <i>Eupteryx carpini</i> Fourc.
<i>Eupteryx austriaca</i> (Metcalf, 1968)	GS: Panovec
<i>Eupteryx heydenii</i> (Kirschbaum, 1868)	GS: Komna, Pokljuka, Porezen
<i>Eupteryx urticae</i> (Fabricius, 1803)	Graeffe 1903; GS: Bilje, Bohinjsko jezero, Kneža, Kromberk, Kucelj, Most na Soči, Panovec, Porezen, Ravnica, Šempas, Smrekova Draga
<i>Eupteryx calcarata</i> Ossiannilsson, 1936	GS: Bilje, Gradišče pri Vipavi, Panovec
<i>Eupterx cyclops</i> Matsumura, 1906	GS: Bohinjsko jezero, Kneža, Kucelj, Panovec, Porezen
<i>Eupteryx florida</i> Ribaut, 1936	Graeffe 1903 [?; sub <i>collina</i>]; GS: Duplje
<i>Eupteryx decemnotata</i> Rey, 1891	GS: Kromberk, Panovec
<i>Eupteryx stachydearum</i> (Hardy, 1850)	GS: Bilje, Čaven, Kromberk, Lig, Nova Gorica, Panovec, Poče, Porezen, Sabotin, Vipava, Vogrsko
<i>Eupteryx ribauti</i> Dworakowska, 1972	RR: Brje pri Komnu
<i>Eupteryx curtisii</i> Flor, 1861	Graeffe 1903 [?]; GS: Ljubljana, Kucelj
<i>Eupteryx melissae</i> Curtis, 1837	Graeffe 1903; GS: Vogrsko; WH: Sečovlje
<i>Eupteryx tenella</i> (Fallén, 1806)	GS: Kromberk
<i>Eupteryx rostrata</i> Ribaut, 1936	GS: Kromberk
[?] <i>Eupteryx zelleri</i> (Kirschbaum, 1868)	Graeffe 1903 [?], sub <i>Eupteryx putoni</i> Leth.
<i>Eupteryx vittata</i> (Linnaeus, 1758)	Graeffe 1903; GS: Nova Gorica
<i>Eupteryx notata</i> Curtis, 1837	Graeffe 1903: Soča valley, sub <i>Eupteryx wallengreni</i> Germ.; GS: Labinje, Kromberk, Slap pri Vipavi, Vipava
<i>Wagneripteryx germari</i> (Zetterstedt, 1840)	GS: Komna, Striška planina
<i>Zyginella pulchra</i> Löw, 1885	Graeffe 1903, sub <i>Zyginella graeffei</i> Melich.; GS: Nova Gorica, Ravnica
Erythroneurini Young, 1952	
<i>Alnetoidia alneti</i> (Dahlbom, 1850)	Graeffe 1903; GS: Common and widespread.
<i>Zyginidia mocsaryi</i> (Horváth, 1910)	GS: Log pri Vipavi
<i>Zyginidia pullula</i> (Boheman, 1845)	GS: common and widespread; sometimes a pest on <i>Zea mays</i>
<i>Zygina rhamni</i> (Ferrari, 1882)	Seljak 1993c; GS: feeding on <i>Vitis vinifera</i> , widespread in southwestern Slovenia
<i>Zygina rorida</i> (Mulsant & Rey, 1855)	GS: Ravnica, Vogrsko
<i>Zygina angusta</i> Lethierry, 1874	Melichar 1896, sub <i>Zygina umbrata</i> : "Küstenland (Görz)" (=Gorica); RR: Brje pri Komnu

<i>Zygina flammigera</i> (Geoffroy, 1785)	Then 1886 [?]; Lesce; Graeffe 1903 [?]; GS: common and widespread, e.g. Bilje, Jez Vogršček, Kromberk, Lig, Mali vrh, Nova Gorica, Panovec, Šempas, Vipava
<i>Zygina ordinaria</i> (Ribaut, 1936)	GS: Nova Gorica
<i>Zygina schneideri</i> (Günthart, 1974)	GS: Ravnica; RR: Brje pri Komnu
<i>Zygina tiliae</i> (Fallen, 1806)	GS: Bukovo
<i>Zygina discolor</i> Horváth, 1897	GS: Bilje, Krombek, Nova Gorica
<i>Zygina hyperici</i> (Herrich-Schäffer, 1836)	Then 1886: Lesce
<i>Arboridia parvula</i> (Boheman, 1845)	Graeffe 1903 [?], sub <i>Zygina parvula</i> Boh.; GS: Jez Vogršček, Kromberk, Nova Gorica; RR: Sečovlje
<i>Arboridia erecta</i> (Ribaut, 1931)	GS: Stomaž
<i>Arboridia ribauti</i> (Ossiannilsson, 1937)	GS: Ajševica, Log pri Vipavi, Nova Gorica, Panovec, Stara Gora, Tolminska korita
<i>Arboridia spathulata</i> (Ribaut, 1931)	GS: Panovec, Vogrsko, Zalošče
<i>Arboridia pusilla</i> (Ribaut, 1936)	RR: Fjesa (Portorož)
<i>Fruticidia bisignata</i> (Mulsant & Rey, 1855)	Melichar 1896: Kranj; GS: Kromberk, Nova Gorica
<i>Fruticidia sanguinosa</i> (Rey, 1891)	Melichar 1896, sub <i>Zygina picta</i> : "Küstenland (Görz)" (=Gorica); Graeffe 1903: Tolmin, sub <i>Zygina picta</i> Melich.
Deltocephalinae Fieber, 1869	
Fieberiellini Wagner, 1951	
<i>Fieberiella florii</i> (Stal, 1864)	Graeffe 1903 [?]; GS: Gojače, Nova Gorica, Šmartno v Brdih, Vipava
<i>Synophropsis lauri</i> (Horváth, 1897)	GS: Izola, Nova Gorica, Šmartno, Vogrsko
Grypotini Evans, 1947	
<i>Grypotes puncticollis</i> (Herrich-Schäffer, 1834)	Melichar 1896: Kranj; GS: Nanos
Goniagnathini Wagner, 1951	
<i>Goniagnathus brevis</i> (Herrich-Schäffer, 1835)	Graeffe 1903; GS: Bukovica, Loke
Scaphytopiini Oman, 1943	
<i>Japananus hyalinus</i> (Osborn, 1900)	GS: Bilje, Kopriva na Krasu, Kromberk, Log pri Vipavi, Nova Gorica, Panovec, Šempas, Stara Gora, Stomaž, Vipava, Zalog
Opsiini Emeljanov, 1962	
<i>Opsius stactogalus</i> Fieber, 1866	GS: Bilje, Nova Gorica, Šmartno v Brdih

Neoliturus fenestratus (Herrich-Schäffer, 1834) Flor 1861: Laibach (Ljubljana), sub *Jassus* (*Jassus*) *fenestratus* H. Sch.; Then 1902: Rieg (Kočevska Reka), sub *Thamnotettix fenestratus* H.-S.; Graeffe 1903, sub *Thamnotettix fenestratus* H.-S.; LJ: Maribor, leg. Tanasijević; GS: Bilje, Duplje, Grgar, Kromberk, Kucelj, Nova Gorica, Sedovec, Šmihel, Vitovlje, Vogrsko

Macrostelini Kirkaldy, 1906

Balclutha punctata (Fabricius, 1775) Then 1886: Lesce; Graeffe 1903, both sub *Gnathodus punctatus* Thunberg; Kiauta 1962: Škofja Loka; GS: common and widespread

Balclutha rosea (Scott, 1876) GS: Bilje, Kromberk, Pokljuka – pod Pl. Lipanca

Balclutha saltuella (Kirschbaum, 1868) GS: Bilje

Macrosteles cristatus (Ribaut, 1927) GS: common and widespread

Macrosteles frontalis (Scott, 1875) GS: Bilje, Vipava

Macrosteles laevis (Ribaut, 1927) Tanasijević 1962, 1965: Pohorje; GS: Bilje, Gojače, Kromberk, Mala polana, Nova Gorica; WH: Veržej

Macrosteles ossianilssoni Lindberg, 1954 WH: Žimarice

[?] *Macrosteles sexnotatus* (Fallén, 1806) Graeffe 1903 [?], sub *Cicadula sexnotata* Fall.

Macrosteles variatus (Fallén, 1806) Graeffe 1903: Soča valley, sub *Cicadula variata* Fall.; GS: Jez Vogršček

Sagatus punctifrons (Fallén, 1826) Graeffe 1903: Soča valley, sub *Cicadula punctifrons* Fall.

Deltocephalini Fieber, 1869

Deltocephalus pulicaris (Fallén, 1806) Graeffe 1903; LJ: Snežnik; GS: common and widespread

Recilia coronifera (Marshall, 1866) Horvath, fide card-index of Dr. Janković [?]; Kranj; GS: Nova Gorica, Šempas, Vipava, Zatoľmin; RR: Dragonja

Recilia horvathi (Then, 1896) Then 1896: Gottschee (Kočevje), sub *Thamnotettix horvathi* Then, 1896

Recilia schmidtgeni (Wagner, 1939) GS: Bilje, Kromberk, Nova Gorica, Jez Vogršček, Vipava

Doraturini Ribaut, 1952

[?] *Doratura exilis* Horváth, 1903 Kiauta 1962 [?]: Škofja Loka

Doratura stylata (Boheman, 1847) Then 1886: Lesce; LJ: Snežnik; GS: widespread

Doratura paludosa Melichar, 1897 Graeffe 1903: Tolmin

Chiasmus conspurcatus (Perris, 1857) GS: Nova Gorica, Loke

Tetartostylini Wagner, 1951

Tetartostylus illyricus (Kirschbaum, 1868) Graeffe 1903, sub *Grypotes illyricus* Kb.; GS: Bilje, Grgar, Trstelj, Hrvoji (coll. Brelih)

Athysanini Van Duzee, 1892

Scaphoideus titanus Ball, 1932 Seljak 1985, 1987, 1993a; GS: SW-Slovenia only; widespread and common on *Vitis*; known as a vector of grapevine yellows phytoplasmas

Platymetopius undatus (de Geer, 1773) Then 1886 [?]: Lesce; GS: Nanos

Platymetopius major (Kirschbaum, 1868) GS: Kucelj, Lozice, Vitovlje

Lamprotettix nitidulus (Fabricius, 1787) GS: Bilje

Anoplotettix fuscovenosus (Ferrari, 1882) Then 1886 [?]: Lesce; Graeffe 1903 [?], both sub *Thamnotettix fuscovenosus* Ferrari; GS: Bilje, Kromberk, Lig, Ljubljana, Nova Gorica

Anoplotettix horvathi Metcalf, 1955 GS: Tolminska korita

Allygus mixtus (Fabricius, 1794) Then 1886 [?]: Lesce; Graeffe 1903 [?], both sub *Jassus mixtus* Fabricius; Kiauta 1962 [?]: Škofja Loka; GS: Bilje, Brežice, Panovec, Postojna, Renče

Allygus modestus Scott, 1876 GS: Bilje, Gradec pri Pivki, Log pri Vipavi, Nova Gorica, Panovec

Allygidius abbreviatus (Lethierry, 1878) GS: Kromberk, Lozice, Nanos, Renče, Tmovo; WH: Sečovlje

Allygidius atomarius (Fabricius, 1794) Graeffe 1903 [?], sub *Jassus atomarius* Germ.; GS: Jez Vogršček, Kneža, Kreplje, Kromberk, Vipava; WH: Kastelec

Allygidius furcatus (Ferrari, 1882) GS: Bilje, Nanos, Nova Gorica, Stomaž; RR: Fjesa (Portorož), Sečovlje, Dragonja

Allygus maculatus Ribaut, 1948 GS: Jez Vogršček

Graphocraerus ventralis (Fallén, 1806) Then 1886: Lesce; Graeffe 1903; GS: common and widespread

Phlepsius intricatus (Herrich-Schäffer, 1838) RR: Dragonja

[?] *Hardya tenuis* (Germar, 1821) Graeffe 1903 [?], sub *Thamnotettix tenuis* Germ.

Rhopalopyx adumbrata (C. Sahlberg, 1842) GS: Kucelj, Nanos, Rogla

Rhopalopyx elongata Wagner, 1952 GS: Divača, Gojače, Gradišče pri Materiji, Grgar, Komen, Kopriva – Štanjel, Lokve, Sabotin, Sedovec, Trstelj; WH: Kastelec

Rhopalopyx vitripennis (Flor, 1861) GS: Komen

Elymana sulphurella (Zetterstedt, 1828) GS: Kucelj, Lokve, Nanos, Nova Gorica, Rogla, Vršič

<i>Cicadula persimilis</i> (Edwards, 1920)	GS: Hrušica, Vogel, Vršič
<i>Cicadula quadrinotata</i> (Fabricius, 1794)	GS: Bilje, Loke, Panovec, Planinasko polje, Pokljuka – Barje Šijec, Smrekova Draga, Rogla; WH: Sečovlje, Žimarice
<i>Cicadula placida</i> (Horváth, 1897)	GS: Ajševica, Bilje, Jez Vogršček, Nova Gorica, Šmartno v Brdih, Vipava
<i>Mocydia crocea</i> (Herrich-Schäffer, 1837)	Graeffe 1903, sub <i>Thamnotettix croceus</i> H.S.; LJ: Murska Sobota, 21.8.1962, leg. Tanasijević; GS: widespread; e. g. Kromberk, Nanos, Nova Gorica, Ravnica, Šempas, Šmihel, Vogrsko; RR: Fjesa (Portorož), Sečovlje, Dragonja
<i>Mocydiopsis attenuata</i> (Germar, 1821)	Then 1886 [?]: Lesce; Graeffe 1903 [?], both sub <i>Thamnotettix attenuatus</i> Germar
<i>Mocydiopsis longicauda</i> Remane, 1961	GS: Dolnje Ležeče, Gojače, Trnovo; RR: Fjesa (Portorož)
<i>Speudotettix subfuscus</i> (Fallén, 1806)	Then 1886: Lesce, sub <i>Athysanus subfuscus</i> Fallén; Graeffe 1903, sub <i>Thamnotettix subfuscus</i> Fall.; GS: common and widespread
<i>Hesium domino</i> (Reuter, 1880)	GS: Nanos, Porezen, Stržiška planina
<i>Thamnotettix confinis</i> Zetterstedt, 1828	Then 1886: Lesce, sub <i>Athysanus simplex</i> Herrich-Schäffer; GS: Kucelj, Porezen, Trebenče
<i>Thamnotettix dilutior</i> (Kirschbaum, 1868)	Graeffe 1903; GS: common and widespread
<i>Thamnotettix exemptus</i> Melichar, 1896	Graeffe 1903, sub <i>Thamnotettix erythrostrictus</i> Leth. var. <i>exemptus</i> Löw; Lokvica na Krasu, Stara Gora
<i>Thamnotettix zelleri</i> (Kirschbaum, 1868)	GS: Kromberk
<i>Pithyotettix abietinus</i> (Fallén, 1806)	GS: Poljčane, Rogla, Vršič
<i>Perotettix pictus</i> (Lethierry, 1880)	GS: Kojca, Rogla; WH: G. Jezero
<i>Handianus ignoscus</i> (Melichar, 1896)	GS: Kojca
<i>Stictocoris picturatus</i> (C. Sahlberg, 1842)	GS: Bohinjsko jezero, Nanos
<i>Ophiola cornicula</i> (Marshall, 1866)	Tanasijević 1962: Ljubljana Polje, sub <i>Scleroracus corniculus</i> Mrsh.
[?] <i>Ophiola decumana</i> (Kontkanen, 1949)	Then 1886, 1902 [?]: Lesce, sub <i>Athysanus striatulus</i> Fallén
<i>Limotettix striola</i> (Fallén, 1806)	Then 1886: Lesce; Graeffe 1903: Soča valley, both sub <i>Athysanus striola</i> Fallén
<i>Laburrus impictifrons</i> (Boheman, 1852)	Graeffe 1903, sub <i>Athysanus impictifrons</i> Boh.
<i>Conosanus obsoletus</i> (Kirschbaum, 1858)	GS: Kromberk
[?] <i>Euscelis distinguendus</i> (Kirschbaum, 1858)	Graeffe 1903 [?], sub <i>Athysanus distinguendus</i> Kb.

<i>Euscelis incisus</i> (Kirschbaum, 1858)	Graeffe 1903, sub <i>Athysanus obscurellus</i> Kb. and <i>Athysanus plebejus</i> Zett.; Tanasijević 1962, sub <i>Euscelis plebejus</i> ; GS: common and widespread
<i>Euscelis lineolatus</i> Brullé, 1832 sensu Ribaut, 1952	WH: Sv. Marija (Strunjan), Sečovelje
<i>Streptanus aemulans</i> (Kirschbaum, 1868)	Graeffe 1903 [?], sub <i>Athysanus obtusus</i> Kb.; GS: Panovec
<i>Selenocephalus obsoletus</i> (Germar, 1871)	GS: Kromberk, Nanos, Nova Gorica; RR: Sečovelje
Paralimnini Distant, 1908	
<i>Paramesus obtusifrons</i> (Stal, 1853)	GS: Bilje
<i>Paralimnus phragmitis</i> (Boheman, 1847)	GS: Kromberk; RR & WH: Sečovelje
<i>Paralimnus rotundiceps</i> (Lethierry, 1885)	GS: Bilje
<i>Metalimnus formosus</i> (Boheman, 1845)	Graeffe 1903 [?]: Tolmin, sub <i>Deltocephalus formosus</i> Boh.; GS: Nova Gorica, Panovec, Lože
<i>Nanosius chloroticus</i> (Melichar, 1896)	Melichar 1896: Nanos (locus typicus), sub <i>Deltocephalus chloroticus</i> ; GS: common on Mt. Nanos
<i>Arocephalus longiceps</i> (Kirschbaum, 1868)	GS: Duplje, Labinje, Poče, Stržiška planina, Vitovlje, Vogel
<i>Arocephalus languidus</i> (Flor, 1861)	GS: Kojca; RR: Brje pri Komnu
<i>Psamnotettix alienus</i> (Dahlbom, 1850)	Tanasijević 1965: Pohorje; GS: common and widespread
<i>Psamnotettix cephalotes</i> (Herrich-Schäffer, 1834)	Then 1886: Lesce, sub <i>Deltocephalus cephalotes</i> Herrich-Schäffer; GS: common and widespread
<i>Psamnotettix confinis</i> (Dahlbom, 1850)	Tanasijević 1965: Pohorje; GS: in (south)western parts of Slovenia common and widespread
<i>Ebarrius interstinctus</i> (Fieber, 1869)	Then 1898: Rieg (Kočevska Reka), sub <i>Deltocephalus interstinctus</i> Fieber
<i>Adarrus multinotatus</i> (Boheman, 1847)	Then 1886: Lesce, sub <i>Deltocephalus multinotatus</i> Boheman; GS: common and widespread
<i>Adarrus exornatus</i> Ribaut, 1952	GS: Hotedrščica, Idrija pri Bači, Ravnica
<i>Errastumus ocellaris</i> (Fallén, 1806)	GS: Vremška dolina, Radgona
<i>Turrutus socialis</i> (Flor, 1861)	Then 1886, 1900: Lesce, sub <i>Deltocephalus socialis</i> Flor; GS: Gradišče pri Materiji, Komen, Kopriva na Krasu, Lazna, Porezen, Ravnica, Slap pri Vipavi, Studeno
<i>Jassargus bispinatus</i> (Then, 1896)	RR: Fjesa (Portorož), Dragonja
<i>Jassargus pseudocellaris</i> (Flor, 1861)	Then 1886, 1900 [?]: Lees (Lesce) and Gottschee (Kočevje), sub <i>Deltocephalus distinguendus</i> Flor; GS: Porezen

<i>Jassargus bicorniger</i> (Then, 1896)	RR: Brje pri Komnu; GS: common and widespread in southwestern Slovenia (locus typicus in Italy close to Slovenian border: "Karst bei Triest (zu Bazovica)")
<i>Jassargus obtusivalvis</i> (Kirschbaum, 1868)	Then 1886, 1900 [?]: Lees (Lesce), Rieg (Kočevska Reka) and Gottschee (Kočevje); Graeffe 1903 [?], all sub <i>Deltocephalus picturatus</i> Fieber; LJ: Snežnik; GS: mainly montanous species, e.g. Bukovo, Cerkno, Hotedrščica, Labinje, Lazna, Most na Soči, Poče, Pokljuka – Barje Šijec, Porezen, Radgona, Trebenče, Trenta – Soča
<i>Jassargus repletus</i> (Fieber, 1869)	GS: Lijak, Sabotin
<i>Jassargus flori</i> (Fieber, 1869)	GS: common and widespread
<i>Jassargus alpinus</i> (Then, 1896)	GS: Komna, Kucelj, Porezen, Rogla, Vogel
<i>Diplocolenus bohemani</i> (Zetterstedt, 1840)	Then 1886, 1900: Lesce, sub <i>Deltocephalus calceolatus</i> Boheman resp. <i>Deltocephalus bohemani</i> var. <i>calceolatus</i> ; GS: Čaven, Kucelj, Nanos, Studeno, Vojsko; WH: Nanos, Hrib-Loški Potok
<i>Diplocolenus frauenfeldi</i> (Fieber, 1869)	Then 1886, 1900: Lesce, sub <i>Deltocephalus frauenfeldii</i> Fieber
<i>Verdanus abdominalis</i> (Farbricius, 1803)	Then 1900: Rieg (Kočevska Reka), sub <i>Deltocephalus abdominalis</i> Fab.; LJ: Snežnik; GS: Čaven, Mala Lazna, Nova Gorica, Porezen, Rogla, Vogel, Vojsko, Vršič
<i>Arthaldeus pascuellus</i> (Fallén, 1826)	LJ: Snežnik
<i>Arthaldeus striifrons</i> (Kirschbaum, 1868)	Graeffe 1903: Soča valley, sub <i>Deltocephalus striifrons</i> Kb.; GS: common and widespread
<i>Sorhoanus assimilis</i> (Fallén, 1806)	GS: Pokljuka
<i>Emeljanovianus medius</i> (Mulsant & Rey, 1855)	GS: Poče
<i>Cosmotettix aurantiacus</i> (Forel, 1859)	Graeffe 1903: Tolmin, sub <i>Deltocephalus aurantiacus</i> Fieb.
<i>Calamotettix taeniatus</i> (Horváth, 1911)	GS: Bilje
<i>Enantiocephalus cornutus</i> (Herrich-Schäffer, 1838)	GS: Kromberk
<i>Mocuellus collinus</i> (Boheman, 1850)	Graeffe 1903, sub <i>Deltocephalus collinus</i> Dahlb.; LJ: Maribor, 20.8.1962, leg. Tanasijević

Discussion

Including our new data, 378 Auchenorrhyncha species belonging to 13 families are known from Slovenia today; among them records of 16 species are marked by a question mark in square brackets as "dubious, reconfirmation urgently needed".

Although we could double the number of species from Slovenia in this paper, further investigations are needed. We propose that the submitted list might comprise slightly more than half of the real species diversity of Slovenia.

Besides taxonomic research in problematic groups (e.g. Pentastirini, Kelisiinae, Issidae), faunistic investigations in peat-bogs, riverside biotopes, wetlands and alpine biotopes as well as focussed search for monophagous species (as there are many missing Delphacidae and Typhlocybinæ) on host plants, such as Poaceae, Cyperaceae and various shrubs and trees, should lead to an enormous increase in our knowledge of the country's Auchenorrhyncha fauna.

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