**CONTRIBUTION TO THE KNOWLEDGE OF LEPIDOPTERA FAUNA  
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**Abstract** - The Macrolepidoptera fauna of Komenski and Sežanski Kras region has been under our examination during the years 1985-2015, first by random checks and later with planned, daily and night time inventory. We recorded 755 species of Macrolepidoptera during 422 inventories and records of 36 additional species were found in other sources, altogether 791 species or 52 % of Slovenian Macrolepidoptera fauna are present in the region. The families Hepialidae, Psychidae, Limacodidae, Heterogynidae, Zygaenidae, Sesiidae, Cossidae, Thyrididae and families from Bombycoidea to Noctuoidea are classified among Macrolepidoptera according to the old classification for older literature data comparability.

We have divided the investigated area into five zones – sub-areas, in accordance with the various ecological characteristics. We are stating the presence of species, their ecological characteristics, frequency rating and interesting informations from our own observations for each sub-area in the list of species. In rare and interesting species of the area we mention the exact data of the finds. Some of more interesting species are presented with comments and photos. We compare our results with other known data on the Karst fauna, as well as those for Gorizia and Trieste karst fauna of the neighboring Friuli - Venezia Giulia region. In addition we also present the differences between the sub-areas, especially between the warmer north-west and the colder south-east part of the area. Furthermore we highlight the phenomenon of the Karst plateau diversity, where in a small area xerophilous, mesophilous and hygrophilous species are met due to Karst's heterogeneous structure of microhabitats, where hygrophilous species retain in sinkholes, mesophilous on their edges, and xerophilous species on the slopes. The importance of nature protection of the area is also emphasized. The finding of the geometrid *Eupithecia limbata* Staudinger, 1879 (Geometridae) in the Slovenian fauna is being mentioned for the first time.

KEY WORDS: Lepidoptera, Macrolepidoptera, Fauna, List of Species, Slovenia, Karst, Komenski kras, Sežanski kras

## **Izvešček – PRISPEVEK K POZNAVANJU FAVNE METULJEV (LEPIDOPTERA) KRASA**

Predstavljamo favno makro metuljev (Macrolepidoptera) Komenskega in Sežanskega krasa, ki smo jo proučevali v obdobju 1985-2015, najprej z naključnimi, kasneje pa z načrtnimi, dnevnimi in nočnimi popisi metuljev. Na skupno 422 popisih smo zabeležili 755 vrst makro metuljev, dodatnih 36 vrst pa predstavljajo še podatki iz drugih virov, kar skupaj zneso 791 vrst ali 52 % slovenske favne makro metuljev. Zaradi primerljivosti podatkov iz starejše literature so v prispevku po stari razdelitvi med makro metulje uvrščene tudi družine Hepialidae, Psychidae, Limacodidae, Heterogynidae, Zygaenidae, Sesiidae, Cossiidae, Thyrididae ter družine od Bombicoidea do Noctuidea.

V prispevku smo obravnavano območje, zaradi različnih ekoloških značilnosti, razdelili na pet con - podobmočij. Pri seznamu vrst navajamo prisotnost vrst v posamezni coni, ekološke značilnosti vrste, ocenjeno pogostost ter zanimive informacije iz lastnih opazovanj. Pri redkih in zanimivejših vrstah v območju navajamo dejanske podatke o najdbah. Nekaj zanimivejših vrst je predstavljenih s komentarji in fotografijami. V prispevku primerjamo rezultate opazovanj z drugimi znanimi podatki o favni Krasa, kot tudi s favno Goriškega in Tržaškega krasa sosednje Furlanije - Julijske krajine. Prav tako predstavljamo razlike v favni med opredeljenimi conami, predvsem med toplejšim severozahodnim in hladnejšim jugovzhodnim delom območja. Izpostavljamo tudi fenomen raznolikosti kraške planote, kjer na majhnem območju srečamo kserotermne, mezofilne in higrofilne vrste, saj Kras s kraškimi pojavi nudi zelo heterogeno strukturo mikrohabitatov, kjer se v vrtačah zadržujejo higrofilne, na njihovem robu mezofilne, na pobočjih pa kserotermne vrste metuljev. Poudarjen je tudi naravovarstveni pomen območja. Prvič za favno Slovenije omenjamo najdbo pedica *Eupithecia limbata* Staudinger, 1879 (Geometridae).

KLJUČNE BESEDE: Lepidoptera, Macrolepidoptera, favna, seznam vrst, Slovenija, Kras, Komenski kras, Sežanski kras

### **Introduction**

Parent Kras (Karst) has always been interesting for researchers of different disciplines, also for entomologists, among whom were quite some of lepidopterologists. Trieste as a major economic and intellectual center of this area offered in the past a research starting point for the Karst hinterland and wider surroundings, because here it was the second largest natural history museum at the time of the Austro-Hungarian Empire. This is also reflected in Lepidoptera literature as the area of Kras is cited in many publications.

According to the current political division the majority of these data belongs to the Italian side of the Kras. Data from the Slovenian part of the Kras are less

comprehensive and there are few recent data. With an aim to supplement the knowledge of fauna of Macrolepidoptera of the Komenski and Sežanski kras, we herein present a more complete review, which is the outcome of our 30-year-old survey of Lepidoptera in this area.

Kras with a capital letter or parent Kras, which is named also Komenski and Sežanski kras, is a limestone plateau the size of around 550 km<sup>2</sup>. It lies in the southwest of Slovenia and in neighboring Italy, in Friuli - Venezia Giulia, which possesses about a quarter of the total area. During the turbulent political history of Kras in the last century, in the beginning it belonged to Austro-Hungarian Monarchy, then to Italy, after the Second World War was shared by Italy and Yugoslavia and is now divided between Italy and Slovenia. The border runs along the ridge Žekenc so that the north-western part and a narrow strip of hinterland of Gulf of Trieste is on the Italian side, while the rest, just over three quarters of the surface, is the Slovenian part.

Natural boundaries are Gulf of Trieste to the southwest, Friulian plain in the northwest and the Vipava Valley in the north and northeast, where border continues through the valleys of Branica and Raša. On the southeast border is more blurred as Kras passes in neighboring regions with similar characteristics, such as hills Vremščica, Brkini, Matarsko podolje and Podgorski Kras. The only distinctive dividing line is the Glinščica valley, which connects the southern boundary with the Gulf of Trieste. Inside the plateau, except in the extreme north and south are gently rounded hills, surrounded by valleys, sinkholes and larger planes. On the southwestern and northeastern edge the plateau descends with steep slopes down to the lowlands. The average altitude is between 300 and 400 m, with regard that the peaks V. Gradišče and Ograda in the far southwest exceed 700 m, at the northern edge Trstelj and Stol also rise over 600 m, in the northwest the plateau gradually reduces even at 50 m.

Kras's geological basis is Cretaceous and Tertiary lime stone, just to the northwest is occurring dolomite. Because of this permeable bedrock Karst does not have surface waters. Intermittent lake Doberdob - Lago di Doberdo and Prelosno Lake - Lago di Pietrarossa near Tržič - Monfalcone in Italy are two exceptions. Soil cover on the plateau is shallow, particularly in the northwest and in places where the wind and rain swept it away. Thicker soil is located only in numerous sinkholes and in valleys. In the middle part of the Karst occurs famous red soil, jerovica or terra rossa.

The climate of the Kras is characterized by a mixture of sub-Mediterranean and continental influences. Sub-Mediterranean influence is reflected in warm and relatively dry summer and relatively high rainfall in spring and autumn. Continental influence, however, is indicated in sporadic incursions of cold air in the form of the famous burja (bora) wind and the distribution of average temperatures (Gogala, 2003).

The average annual temperature across the plateau varies between 10-12 °C, except in the extreme north-west and in Brestoviški dol, where is 2 °C higher. In the far southwest, which is on average higher than 500 m is 2 °C lower. The average annual rainfall in the west, in the areas nearest the sea is around 1300 mm and is gradually increasing towards the northeast, where it reaches 1800 mm ([www.arso.gov.si](http://www.arso.gov.si)).

The dynamic karst terrain conditions large macroclimate differences. Valleys and sinkholes are filled at night with cold air, which brings a lot of dew, therefore even marsh plant species can be found there. The exact opposite is the dry slopes and peaks of the hills, where dew may be completely absent. On a sunny day grasslands and sparse woods get very hot during the day and cool at night strongly, due to the radiation during clear nights. Minor fluctuations in temperature between day and night are in denser stands.

Because of intensive logging and grazing of sheep, goats and cattle the plateau of Kras was in the past almost naked. In the middle of the 19th century, the Austro-Hungarian authorities began the systematic forestation of the Karst with the black pine. It has proved to be very successful tree species to grow on the deserted plateau, and therefore, mainly due to the abandonment of livestock, the Kras in recent years turned into a landscape with a large proportion of forest or land in abandonment. You can still admire the entire plateau interlacing and sharing its distinctive habitats, such as dry grasslands, scrub and forest.

Typical plant associations of the Karst are divided into forest, scrub and the associations of dry grasslands.

Typical forest associations in the area are:

- The association of hop hornbeam and autumn moor grass (*Seslerio autumnalis - Ostryetum carpinifoliae*) is a transitional form from grasslands to potential natural association of downy oak and hop hornbeam.
- The association of sessile oak and autumn moor grass (*Seslerio - Quercetum petreae*) appears on deeper grounds.
- The association of downy oak and hop hornbeam (*Ostryo carpinifoliae - Quercetum pubescentis*) is a climax forest association, we find it in various positions and it is relatively frequent.
- Black pine grooves - almost two hundred years after forestation of the Karst with black pine on poorer and rocky grounds a large amount of aging grooves are in a poor state of health. Based on the development of succession, the oldest pines already decay in the bottom layer of the stands and indigenous xerophilic tree species are emerging.

Typical scrubland associations of the area are:

- The association of hazel and spring bell (*Galantho nivalis - Coryletum avellanae*) occurs in the deeper, richer soils.
- Association of common dogwood and manna ash (*Fraxino orni - Cornetum hungaricae*) can be found on various habitats.
- The association mahaleb cherry and rocky buckthorn (*Frangulo rupestris - Prunetum mahaleb*) is a typical association of rocky habitats.
- The association wild privet elmleaf blackberry (*Rubo ulmifolii - Ligustretum*) is a typical association of nutrient - rich habitats.

- Association with blackthorn *Prunus spinosa* can be found in eutrophic habitats.
- The association smoke tree and rock buckthorn (*Frangulo rupestris* - *Cotinetum coggygriae*) is found between grasslands and forest edges.

Typical associations of dry meadows are:

- The most widespread and extremely rich in flora is the association of low sedge and rock centaurry (*Carici humilis* - *Centaureetum rupestris*), which grows from lowlands to mountain belt.
- The association *Genisto sericeae* - *Seslerietum juncifoliae* is typical for rocky slopes and ridges exposed to the wind.
- The association *Danthonio-Scorzoneretum villosae* is linked to the deeper soil and the flora is very diverse ([www.razvojkrasa.si/si/narava](http://www.razvojkrasa.si/si/narava)).

### A review of literature on Lepidoptera from Karst

Compared to other “Carniola” countries, where Scopoli (1763) with his *Entomologia Carniolica* laid the foundation and reached to the former top of entomological science, butterflies of Karst are mentioned for the first time over 100 years later. The first records of 4 species we traced in Curò (1874, 1878), locations are not exact, only Karst.

In the next period which lasts until the collapse of the Austro-Hungarian Empire at the end of World War I, or after, we trace much more publications of various researchers. Galvagni (1909) in his work covers the period between 1900 and 1909, he states data for the landscapes around the northern Adriatic and Dalmatia. For Trieste Karst lists 43 species, of which 3 from current Slovenian side. Ivan Hafner (1909-1912) mentions two species in general for Kras and 2 specifically for Sežana and Divača. Among the 587 species that Hafner (1910) states in his work *Macrolepidoptera from Gorica - Gorizia and the surrounding area*, there are also 29 species of Kras. The data cover the period between 1892 and 1909 and are from two locations, Sežana and Kobdilj. Five articles follow with one species: Nauffock (1913), Stauder (1913, 1914, 1921), Rebel (1919).

Loebel (1920, 1921) recorded 145 species, mostly from Sežana and its surroundings, others from Divača. In the Stauder's articles (1919/20, 1920/21, 1922, 1923, 1925, 1926, 1927) 76 species were listed, most of the current Slovenian side of the Kras, almost half of the species records are citations of other authors.

The most complete review of this period can be found in Carrara (1926), in which the "Territory of Trieste" (*Territorio di Trieste*) lists 584 species of *Macrolepidoptera*. For certain species only exceptionally indicates the exact locality and date. He worked between Križ - S. Croce and Žavlje - Zaule or Aquilinia in the Gulf of Trieste and between Prosek - Prosecco, Opčine - Opicina or Villa Opicina and Bazovica - Basovizza on the Karst plateau between 1907 and 1924. It can be concluded that almost all species quoted for Trieste Karst belong to locations that are now on the Italian side of the border.

During both world wars, when the entire Kras was under the Italian political power, the entomological activities decreased. We find only two publications: Loebel (1941) and Verity (1928) with one species.

After connecting Primorska to parent country in September 1947 and after the normalization of the post-war situation, the exploration of butterflies had increased again. Domestic entomologists have concentrated their activities mainly in the Triglav National Park and reconnected areas, among which was also Primorska region with Kras. But the parent Kras was quite neglected in comparison with the coastal areas and the Karst edge, the Vipava Valley with southern slopes of the Trnovski gozd and western parts of the Julian Alps.

The first publications of this period, signed by Italian entomologist Verity (1947, 1950, 1953) with four species for Slovenian Karst and two for the Italian side, followed by Proust and Wehrli (1934-1954) with two species. Carnelutti and Michieli (1955) indicate three new species of the Slovenian Karst among the novelties for Slovenia. Two articles followed with one species of the Trieste Karst (Melis, 1957; Storace, 1963), Pinker (1965) with eleven species on the Slovenian side and Bartol et al. (1965) with one. Carnelutti (1971) critically cites only findings by then, those of three species of Kras. Pleterski (1972) gives 160 species of owl moths (*Noctuidae*) without naming for Sežana, provided only to the level of genera and 158 species of other families, also without naming. In the article by Michieli (1978) 67 more rare or more interesting species of Lepidoptera from "Vipava Valley and neighboring karst areas" are presented, where Karst is not precisely defined. Considering the known prevalence of certain species, we can conclude that the author had in mind the entire south-western Dinaric karst area to the Karst edge and beyond. Many of these species can be considered as representatives of the parent Kras. Especially we can mention *Chelis maculosa* and *Omia cymbalariae* for Divača, since this is the only information from the Kras for these two species.

With the political independence of Slovenia in 1991 comes a new fruitful period of entomological research. The following year Slovenia gets the first comprehensive review of Macrolepidoptera (Carnelutti, 1992a, 1992b). Kras is included in the zoogeographical region of Primorska. Some articles with publications of new species records for Slovenia include new records for Kras. Štanta (1995, 1996, 2008) and Lasan (1997, 2000) recorded each of three and Predovnik (2001, 2002) two species. During this period, Čelik and Rebeušek (1996) collect and publish the first detailed data on endangered butterfly species of Slovenia, of which 13 are also found in the Kras. Here are some research works or reports, which deal mainly with butterflies of Kras: Verovnik, 2000, Čelik, 2003, Čelik et al., 2005, Polak, 2009, Bedjanič et al. 2009.

In the publication by Flamigni et al. (2007) recent data for 26 species of *Ennominae* are presented for the Italian part of the Karst, mentioned are also 3 interesting findings in the Komen Karst: *Gnopharmia stevenaria*, *Ennomos autumnaria* and *Nychiodes dalmatina*. Cited after Lasan (2000) is the discovery of *Isturgia murinaria* for the "Carso Triestino SLO" and marked on map at Šmarje pri Sežani. It is a misinterpretation as Šmarje near Koper is the site where the species was found.

The most extensive recent work in this field (Deutsch, 2008) deals with the province of Gorizia and Trieste in Friuli Venezia Giulia - Italy between 1973 and 2005. In it 905 species are listed, because it also includes Microlepidoptera. Among the 12 present locations, there are 7 situated in the Gorizia and Trieste Karst. If we consider only Macrolepidoptera with these seven karst sites, we get 359 species.

In The Atlas of Slovenian butterflies (Verovnik & al., 2012) there are confirmed 117 species of butterflies for the parent Kras. With the recent work by Koren & al. (2013) the prevalence of sister species *Pyrgus malvae* / *malvoides* are presented at their intersection with several new locations including the Kras. Some new butterfly sites for the Slovenian part of the Karst is also found in Čelik (2014).

In a recent work (Jež et al. 2015) R. Štanta recorded 149 species of nocturnal Macrolepidoptera found on three illuminated churches in the central Kras.

From the posts from the beginning of activity until the 60s of the last century, we see that entomologists operated primarily in the area of Trieste and at the railway lines, which run through the Kras, Vienna - Trieste - Venice and Gorizia - Trieste - Rijeka. Other parts with few exceptions have been unexplored due to the difficult access. Greater coverage area and greater efficiency of the inventory has recently been enabled with the development of other means of transport and new ways of night hunt, especially of the portable UV lamps.

Much of the data from the listed literature is not precise enough to be accurately placed in time and space. Nevertheless, with a high degree of accuracy we can estimate that 670 species of Macrolepidoptera are recorded for the Trieste and Gorizia Karst, which now belongs to Italy. For the Slovenian part of the Karst approximately 390 species are published.

Listed among Macrolepidoptera after that scheme also were: Hepialidae, Psychidae, Limacodidae, Heterogynidae, Zygaenidae, Sesiidae, Cossidae and Thyrididae. The old systematics in the listed literature has led us to decide that we maintain the same classification in this paper in order to facilitate comparisons.

## Material and methods

Inventories of Lepidoptera were conducted with day and night observations. In the case of daytime flying species we have carried out the locations overview and classical catching with butterfly net, as well as searching for different developmental stages on their food plants.

In the case of observations at night between 1985 and 1990, we mainly inspected lit areas under public lighting, which was renovated a little earlier and partly newly built. In it mainly 125W mercury vapor lamps were applied, which were in terms of attracting moths highly effective. The advantage of this method is data collecting in the same day from several sites. We used this method also later occasionally, but the aging of lamps and moreover with their replacement with more ecologic sodium-vapor lamps became completely ineffective. In the next period, most of the data were obtained by means of attracting moths on a white upright placed canvas, illuminated with 300W mercury-vapour lamp with a high proportion of UV light, powered by

220V electric generator. From 2000 onwards, we also used special light tents illuminated with super actinic UV tube lamps Blacklight and Blacklight blue 15W powered by 12V batteries covered by a translucent white synthetic fabric.

In the early spring and autumn months we used to attract moths with wine bait smell which has proved to be a very effective method. A mixture of wine, vinegar and sugar was used with which we sprinkled tree trunks just before dark. Owllet moths - Noctuidae and Erebidae prefer the bait.

We identified the species mainly on the spot already. Exceptionally, we took a small number of specimens away from the nature for subsequent determination. In some difficult determinable species we have used also the inspection of the genital armatures. Collected specimens of Lepidoptera are deposited in the collections of the authors.

### Localities and dates of inventories of species

The border of the studied Komenski and Sežanski kras area is presented in Figure 1.

Addressed area was divided into 5 approximately equal zones. They are labeled with numbers from 1 to 5, and they follow as shown in Fig. 1, from northwest to southeast. This division allows us a more accurate analysis and show the prevalence and easier detection of species which have more local distribution.

In the Table 1 we present an overview of 70 locations, which provide data and dates of inventories.



**Fig. 1:** Map of Komenski and Sežanski kras region divided into 5 zones



Locations are named after the nearest town, hamlet, peak or after the provincial name. The average altitudes of locations are also listed and accurate or raw location coordinates in case if we were not able to identify them precisely, due to the size of the observed areas or due to more surveys in the vicinity of the same location. The names of locations are cited after Atlas Slovenije (1996).

Dates of observations or excursions are arranged chronologically for each location and gathered in groups of authors observations. Day and night observations are not specifically separated, so you can find two or more locations at the same date. More locations can also be found when we visited more long distant locations during one observation.

Authors of observations are marked only with initials of their names explained below in order to save space. Considered are only those authors who have joined us on observations with their equipment.

**(RŠ)** = Radovan Štanta, Miren, **(MZ)** = Matjaž Zadrgal, Vrtojba, **(BZ)** = Bojan Zadavec, Nova Gorica, **(CM)** = dr. Carlo Morandini, Campofornido (Italy), **(SG)** = Stanislav Gomboc, Kranj, **(ML)** = Mojmir Lasan, Ljubljana, **(TL)** = Tone Lesar(†), Maribor **(JD)** = Jozef Debets, Solčava

**Table 1:** Overview of localities of observed species and associated zones, as identified on the map and dates of the observations.

Zone	Name, altitude and coordinates of localities after WGS84	Dates and authors of observations
1	Brestovica, 66 m, 45.81258, 13.62173	13.2.1997, 28.6.1995, 31.5.1998, 22.6.2013 <b>all (RŠ)</b> ; 6.9.1991, 9.5.1992, 16.5.1994, 9.5.2013 <b>all (RŠ&amp;MZ)</b> ; 24.9.1994, 26.9.1995, 16.5.2000 <b>(MZ)</b>
1	Gornja Brestovica, 70 m, 45.81236, 13.64460	16.4.1995 <b>(RŠ)</b> ; 20.7.1991, 19.3.1995, 10.9.1995, 3.4.2009, 13.11.2009 <b>all (RŠ&amp;MZ)</b> ; 10.7.1997 <b>(RŠ&amp;ML)</b> ; 26.3.1999 <b>(RŠ&amp;SG)</b>
1	Hudi Log, 200 m, 45.83984, 13.61076	29.5.1997, 3.9.2012, 24. 8.2013 <b>all (RŠ)</b>
1	Klariči, 30 m, 45.81217, 13.60492	25.6.1988, 30.6.1988, 9.5.1992, 14.7.1992, 28.8.1993, 11.10.1993, 29.12.1994, 4.6.1995, 28.6.1995, 1.7.1995, 26.9.1995, 2.10.1995, 9.10.1995, 25.3.1996, 24.6.1996, 16.1.1998, 15.3.1998, 31.5.1998, 7.7.2001, 29.9.2011, 13.9.2015 <b>all (RŠ)</b> ; 19.7.1988, 9.11.1991, 7.9.1993, 18.3.1994, 25.3.1994, 24.4.1994, 13.11.1994, 22.1.1995, 26.1.1995, 18.3.1995, 19.3.1995, 26.3.1995, 7.9.1995, 29.10.1995, 13.11.1996, 15.3.2002, 13.11.2009, 21.4.2010, 27.9.2013, 7.10.2014 <b>all (RŠ&amp;MZ)</b> ; 4.11.1993, 5.7.1995, 15.9.1995, 6.5.2000, 22.4.2006, 11.6.2010, 6.6.2012, 9.6.2013, 15.3.2014 <b>all (MZ)</b>
1	Klariči – Gnojne, 120 m, 45.80362, 13.61014	18.6.2014 <b>(RŠ)</b> ; 24.9.2014 <b>(RŠ&amp;MZ)</b>
1	Korita na Krasu, 226 m, 45.83243, 13.62280	27.6.2004 <b>(RŠ)</b>

1	Kostanjevica na Krasu, 277 m, 45.84405, 13.64199	22.4.1981, 25.7.1981, 31.3.1987, 9.8.1987, 23.4.1988, 16.4.1989, 16.8.1989, 19.3.1990, 1.5.1991, 19.5.1991, 10.10.1991, 18.6.1993, 24.9.1993, 4.10.1993, 11.7.1994, 19.8.1994, 27.11.1994, 20.1.1995, 22.4.1995, 19.6.1995, 2.10.1995, 25.10.1995, 20.4.1996, 4.7.1996, 4.11.1996, 16.3.1997, 29.5.1997, 22.6.1997, 20.4.1998, 10.7.1998, 16.7.1998, 26.3.2003, 24.5.2003, 17.4.2006, 11.4.2007 <b>all (RŠ)</b> ; 10.10.1986, 2.5.1987, 23.5.1987, 6.6.1987, 11.7.1987, 15.7.1987, 25.7.1987, 23.8.1987, 15.8.1987, 19.9.1987, 27.5.1988, 11.6.1988, 19.7.1988, 24.9.1988, 7.4.1989, 14.4.1989, 23.4.1989, 6.5.1989, 10.6.1989, 1.7.1989, 26.7.1989, 25.8.1989, 1.10.1990, 13.3.1991, 7.4.1993, 22.5.1993, 22.9.1993, 25.3.1994, 31.3.1994, 16.5.1994, 17.2.1995, 1.3.1995, 2.4.1995, 12.7.1995, 26.2.1997, 9.7.2002, 30.10.2002 <b>all (RŠ&amp;MZ)</b> ; 21.7.2001 <b>(RŠ&amp;BZ)</b>
1	Lokvica, 215 m, 45.86114, 13.60280	23.11.1994, 28.6.1996, 4.11.1996, 19.7.2007, 26.8.2008, 8.10.2009, 21.11.2009, 22.6.2010, 5.9.2012 <b>all (RŠ)</b> ; 25.5.2002 <b>(RŠ&amp;BZ&amp;SG)</b>
1	Lokvica – Devetaki, 168 m, 45.86710, 13.58514	23.6.2006, 11.8.2006 <b>all (RŠ)</b>
1	Lokvica – Medvejšče, 300 m, 45.86370, 13.62460	27.6.2004, 30.3.2006, 2.9.2006, 30.3.2007, 6.4.2007, 25.2.2008, 9.4.2011, 1.8.2012, 14.9.2014, 17.9.2014 <b>all (RŠ)</b> ; 9.4.2007 <b>(RŠ&amp;MZ)</b>
1	Lokvica – Segeti, 203 m, 45.85439, 13.61112	23.5.1988, 4.6.1989, 28.9.2003, 23.4.2006, 2.9.2011 <b>all (RŠ)</b> ; 11.4.2007 <b>(RŠ&amp;MZ&amp;BZ&amp;SG)</b>
1	Miren – Gmajna, 215 m, 45.87602, 13.59923	19.11.1987, 2.9.1991, 27.10.1992, 19.3.1993, 29.10.1993, 11.11.1993, 5.11.1994, 24.3.1995, 15.4.2012 <b>all (RŠ)</b> ; 13.11.1994, 1.3.1995, 7.9.2008 <b>(RŠ&amp;MZ)</b>
1	Nova vas, 200 m, 45.84173, 13.58372	14.10.2012, 14.9.2014 <b>all (RŠ)</b>
1	Novelo, 333 m, 45.84675, 13.66125	20.10.1989, 12.7.1996, 14.5.2011 <b>all (RŠ)</b> ; 14.7.1994, 15.8.1994, 26.10.1996, 9.7.2002 <b>all (RŠ&amp;MZ)</b>
1	Opatje selo, 170 m, 45.85230, 13.58193	19.8.1978, 14.5.1989, 8.7.1989, 16.8.1989, 10.10.1991, 15.3.1992, 8.9.1992, 13.6.1993, 24.9.1993, 11.10.1993, 1.11.1993, 17.6.1994, 19.4.1995, 28.6.1996, 23.4.2006, 4.6.2006, 23.6.2006, 7.1.2007, 21.9.2011 <b>all (RŠ)</b> ; 2.5.1987, 6.6.1987, 11.7.1987, 2.8.1987, 15.8.1987, 23.8.1987, 19.9.1987, 6.5.1988, 27.5.1988, 11.6.1988, 19.7.1988, 13.8.1988, 24.9.1988, 7.4.1989, 14.4.1989, 6.5.1989, 12.5.1989, 10.6.1989, 1.7.1989, 26.7.1989, 25.8.1989, 27.10.1989, 5.5.1990, 21.9.1990, 1.6.1991, 7.9.1993, 22.1.1995, 26.1.1995 <b>all (RŠ&amp;MZ)</b> ; 9.5.1987, 12.7.1987, 17.7.1987, 11.9.1987, 7.5.1995, 18.6.2004, 20.3.2007 <b>all (MZ)</b>
1	Sela na Krasu, 230 m, 45.82128, 13.61729	8.7.1989, 7.1.2007, 13.11.2010, 9.11.2011, 2.11.2013 <b>all (RŠ)</b> ; 10.11.2014 <b>(MZ)</b>

1	Temnica, 402 m, 45.84578, 13.67785	4.10.1993, 25.10.1995, 11.8.2008, 21.7.2009, 1.8.2009, 9.4.2011, 14.5.2011 <b>all (RŠ)</b>
1	Trstelj, 622 m, 45.85787, 13.70660	19.5.1991, 18.6.1993, 15.7.2000, 1.8.2009, 6.8.2009, 16.7.2010 <b>all (RŠ)</b> ; 14.6.1991, 2.9.2009 <b>all (RŠ&amp;MZ)</b>
1	Trstelj – Vrtovka, 406 m, 45.86455, 13.66558	23.7.2009 <b>(RŠ&amp;MZ&amp;TL)</b> ; 25.7.2010 <b>(MZ)</b>
1	Vale, 120 m, 45.81299, 13.67324	23.6.1999 <b>(RŠ)</b>
1	Vojščica, 309 m, 45.82857, 13.67339	19.3.1988, 4.10.1991, 4.10.1993, 11.10.1993, 11.7.1994, 30.10.1994, 9.10.1995, 15.11.1995, 25.3.1996, 4.7.1996, 11.10.1996, 4.11.1996, 10.7.1998, 18.8.2002, 2.5.2004, 27.12.2012 <b>all (RŠ)</b> ; 10.10.1986, 22.9.1993, 31.3.1994, 24.4.1994, 16.5.1994, 14.7.1994, 17.2.1995, 2.4.1995, 12.7.1995, 7.9.1995, 26.10.1996, 26.2.1997, 10.6.1999, 4.6.2003 <b>all (RŠ&amp;MZ)</b> ; 1.7.1987, 17.7.1993, 16.10.1993, 7.5.1994, 6.6.2011, 29.7.2012 <b>all (MZ)</b>
2	Brje pri Komnu, 178 m, 45.78370, 13.71933	18.10.1995, 4.11.1996 <b>all (RŠ)</b> ; 22.5.1993, 2.4.1995, 29.10.1995, 2.5.1999, 30.4.2003, 25.9.2009, 25.4.2014 <b>all (RŠ&amp;MZ)</b> ; 15.6.2001, 21.7.2013, 26.7.2014 <b>(MZ)</b>
2	Gorjansko, 200 m, 45.80232, 13.71403	15.11.1995, 4.11.1996, 13.2.1997, 21.5.2000, 2.5.2004, 3.7.2005, 22.5.2011, 9.6.2013, 22.6.2013 <b>all (RŠ)</b> ; 24.4.1994, 16.5.1994, 29.10.1995, 20.10.1996, 13.11.1996, 26.2.1997, 22.5.2009 <b>all (RŠ&amp;MZ)</b> ; 11.9.1996, 5.11.1996, 29.4.2004, 15.5.2007, 18.6.2007, 20.5.2009, 5.7.2009 <b>all (MZ)</b>
2	Gorjansko – Krmanjek, 150 m, 45.79801, 13.70130	29.9.2011, 2.10.2011 <b>all (RŠ)</b>
2	Gorjansko – Podklanec, 200 m, 45.80630, 13.70645	3.7.2009 <b>(RŠ&amp;MZ)</b>
2	Ivanji Grad, 297 m, 45.81891, 13.70680	1.4.2001, 13.11.2010, 9.11.2012 <b>all (RŠ)</b>
2	Klanec pri Komnu, 180 m, 45.80956, 13.69820	3.7.2005 <b>(RŠ)</b> ; 21.4.2010 <b>(RŠ&amp;MZ)</b>
2	Kobjeglava – Zavodi, 270 m, 45.81415, 13.80066	29.10.1995, 19.5.1997, 8.5.2001 <b>all (RŠ&amp;MZ)</b>
2	Komen, 290 m, 45.81728, 13.74532	12.4.2007, 29.9.2010; 17.7.2015 <b>all (RŠ)</b> ; 10.10.1986, 2.5.1987, 23.5.1987, 22.9.1993, 25.3.1994, 19.5.2011, 24.9.2013 <b>all (RŠ&amp;MZ)</b> ; 23.4.1996 <b>(MZ&amp;TL)</b> ; 28.5.2012, 13.6.2013, 5.8.2013 <b>all (MZ)</b>
2	Komen – Devinsčina, 240 m, 45.80893, 13.72971	13.11.2010, 29.5.2011 <b>all (RŠ)</b>
2	Komen – Jažmerca, 210 m, 45.80122, 13.76386	5.6.2010, 18.9.2012 <b>all (RŠ&amp;MZ&amp;BZ)</b>
2	Lipa na Krasu, 366 m, 45.84386, 13.70732	30.6.1990, 18.8.1994, 27.11.1994, 20.4.1996, 12.7.1996, 29.5.1997, 16.5.1998, 10.7.1998, 13.6.1999, 26.4.2000, 18.6.2001, 9.6.2002, 29.7.2002, 25.2.2008, 1.8.2009, 19.6.2010, 9.4.2011, 14.5.2011 <b>all (RŠ)</b> ; 15.8.1994, 5.9.1994, 18.7.1995, 10.9.1995, 12.5.2006, 19.5.2010 <b>all (RŠ&amp;MZ)</b> ; 21.7.2001 <b>(RŠ&amp;BZ)</b> ; 14.5.2000, 9.6.2000, 14.5.2010, 16.6.2010 <b>all (MZ)</b>

2	Mali Dol, 270 m, 45.83355, 13.76515	2.5.2004, 20.5.2007, 4.10.2007 <b>all (RŠ)</b>
2	Preserje pri Komnu, 264 m, 45.81811, 13.72852	29.10.1995 <b>(RŠ)</b>
2	Škrbina, 360 m, 45.84590, 13.72486	18.8.1994, 27.11.1994, 14.5.2011, 6.5.2014 <b>all (RŠ)</b> ; 24.4.1994, 15.8.1994, 5.9.1994, 18.7.1995 <b>all (RŠ&amp;MZ)</b>
2	Tublje pri Komnu, 200 m, 45.77696, 13.73963	29.10.1995 <b>(RŠ&amp;MZ)</b>
2	Volčji Grad, 255 m, 45.80259, 13.74697	8.6.2004 <b>(RŠ)</b>
2	Zagrajec, 280 m, 45.81530, 13.69937	2.10.1995, 13.2.1997, 1.6.2003, 13.10.2008, 30.9.2010, 30.10.2010, 2.10.2011 <b>all (RŠ)</b> ; 15.11.1992, 26.4.1993, 1.3.1995, 26.7.2008, 22.5.2009, 10.9.2010, 25.10.2013 <b>all (RŠ&amp;MZ)</b> ; 6.11.2004 <b>(MZ)</b>
3	Brje pri Koprivi, 280 m, 45.77852, 13.84864	16.10.1998, 25.4.2014 <b>all (RŠ&amp;MZ)</b> ; 25.10.2009 <b>(RŠ&amp;BZ)</b>
3	Dobravlje, 310 m, 45.76291, 13.88159	28.9.1996, 20.7.2013 <b>all (RŠ)</b>
3	Dutovlje, 315 m, 45.75632, 13.83525	21.6.1991, 9.8.1994, 18.10.1995, 15.11.1995, 11.10.1996, 4.11.1996, 14.10.1998, 17.8.2013 <b>all (RŠ)</b> ; 25.3.1994, 31.3.1994, 24.4.1994, 16.5.1994, 2.4.1995, 7.9.1995, 29.10.1995 <b>all (RŠ&amp;MZ)</b> ; 1.6.1994, 15.9.1995, 23.3.1996 <b>all (MZ)</b>
3	Kobjeglava, 320 m, 45.81688, 13.80965	2.10.1995, 18.10.1995, 15.11.1995, 4.11.1996 <b>all (RŠ)</b> ; 19.5.1987, 15.11.1992, 31.3.1994, 7.9.1995, 26.4.1997, 27.9.1997 <b>all (RŠ&amp;MZ)</b> ; 18.5.1996 <b>(MZ)</b>
3	Kobjeglava – Jelenca, 285 m, 45.80901, 13.80898	5.8.1988, 15.6.1990, 22.5.1997, 22.5.1999, 23.5.1999, 21.5.2000, 26.5.2000, 20.5.2007, 8.10.2008, 22.5.2011, 4.6.2012 <b>all (RŠ)</b> ; 25.4.1993, 19.5.1997, 9.5.2012, 25.10.2013, 6.5.2014 <b>all (RŠ&amp;MZ)</b> ; 17.5.2004 <b>(RŠ&amp;MZ&amp;BZ)</b> ; 13.5.1997 <b>(RŠ&amp;MZ&amp;SG)</b> ; 16.5.1996 <b>(RŠ&amp;ML)</b>
3	Kopriva, 280 m, 45.78177, 13.83379	22.5.2011, 29.5.2011, 30.5.2011, 10.6.2011, 26.6.2011, 20.8.2011, 3.9.2011, 15.6.2012, 27.6.2012, 18.7.2012, 13.8.2012, 10.7.2013, 4.8.2013, 17.8.2013, 7.9.2013 <b>all (RŠ)</b> ; 2.4.1995, 15.5.2013 <b>all (RŠ&amp;MZ)</b> ; 5.7.2013 <b>(MZ)</b> ; 29.6.2013 <b>(RŠ&amp;MZ&amp;CM)</b> ; 6.7.2014 <b>(RŠ&amp;CM)</b>
3	Krajna vas, 250 m, 45.76314, 13.80289	14.9.2010, 21.5.2014 <b>all (RŠ)</b> ; 21.5.2014, 18.7.2014 <b>all (RŠ&amp;MZ)</b>
3	Kreplje, 280 m, 45.74515, 13.83082	8.6.2004 <b>(RŠ)</b>
3	Pliskovica, 280 m, 45.77545, 13.78746	23.6.1999, 10.8.2010, 29.5.2011, 10.8.2011, 15.8.2011, 17.8.2013 <b>all (RŠ)</b> ; 22.9.1993 <b>(RŠ&amp;MZ)</b>
3	Ponikve, 325 m, 45.78986, 13.85696	12.6.2013, 17.6.2013 <b>all (RŠ)</b> ; 30.3.2014 <b>(RŠ&amp;MZ)</b> ; 29.6.2013 <b>(RŠ&amp;MZ&amp;CM)</b>
3	Skopo, 290 m, 45.77385, 13.82180	29.5.2011, 30.5.2011, 10.6.2011, 26.6.2011, 28.7.2011, 20.8.2011, 3.9.2011, 12.10.2011, 4.8.2013, 17.8.2013, 7.9.2013 <b>all (RŠ)</b> ; 28.3.2012 <b>(RŠ&amp;MZ)</b>
3	Štanjel, 300 m, 45.82069, 13.83588	2.5.1997 <b>(RŠ)</b> ; 1.6.1996 <b>(MZ)</b>

3	Tomaj, 360 m, 45.75698, 13.85754	12.10.2014 (RŠ)
3	Veliki Dol, 220 m, 45.77083, 13.75269	15.6.2012, 27.6.2012, 28.7.2012, 13.8.2012, 15.5.2013, 13.8.2014 all (RŠ); 29.10.1995 (RŠ&MZ)
3	Vrhovlje, 350 m, 45.72525, 13.83003	8.6.2004, 17.8.2013, 6.6.2014 all (RŠ); 8.8.2014 (RŠ&MZ)
4	Grahovo Brdo, 340 m, 45.74383, 13.90570	21.3.2014 (RŠ)
4	Kazlje, 340 m, 45.75553, 13.90355	30.7.2005; 13.5.2015 all (RŠ); 17.9.2011, 31.10.2011, 28.3.2012, 14.11.2014; 19.5.2015 all (RŠ&MZ)
4	Podbreže, 380 m, 45.72658, 13.92076	6.6.2014 (RŠ); 1.5.2013, 28.5.2013, 12.7.2013 all (RŠ&MZ); 25.4.2013 (MZ)
4	Povir, 420 m, 45.69437, 13.93855	22.5.2005 (RŠ); 28.4.2012, 11.10.2013; 29.6.2015 all (RŠ&MZ); 22.8.2005 (MZ)
4	Sežana, 350 m, 45.70722, 13.84790	15.9.1999 (RŠ&MZ); 2.10.1997 (MZ)
4	Sežana – Dol Leskovec, 345 m, 45.69850, 13.86794	14.6.1986, 23.5.1999, 10.7.2005, 17.8.2013 all (RŠ)
4	Šepulje, 350 m, 45.75282, 13.87099	16.10.1998 (RŠ&MZ)
4	Šmarje pri Sežani, 296 m, 45.72203, 13.86662	26.6.2011, 28.7.2011, 15.5.2013, 4.8.2013 all (RŠ)
4	Štorje, 355 m, 45.75193, 13.92337	28.4.1996, 28.9.1996, 10.7.2005 all (RŠ); 6.5.2015 (RŠ&MZ)
5	Divača, 435 m, 45.66786, 13.94995	8.7.2002, 22.5.2005 all (RŠ); 25.10.1992, 20.10.1996, 15.9.1999, 15.9.2000 all (RŠ&MZ); 25.9.1999 (MZ)
5	Jirmanec, 665 m, 45.64414, 13.90096	17.6.2011, 8.7.2011 all (RŠ); 4.6.2011, 19.8.2011, 28.7.2012, 14.6.2013, 5.9.2013, 19.10.2013 all (RŠ&MZ); 9.6.2013 (MZ); 7.9.2014 (RŠ&MZ&BZ); 8.5.2015 (RŠ&MZ&BZ&SG); 3.9.2015 (RŠ&MZ&CM)
5	Kozina, 500 m, 45.61421, 13.94821	30.6.1992, 2.6.1994 all (RŠ)
5	Krvavi Potok, 520 m, 45.62601, 13.91472	30.6.1992 (RŠ); 18.4.2013 (RŠ&BZ&SG)
5	Lokev, 455 m, 45.65583, 13.90865	23.5.1999, 8.7.2002, 6.6.2014, 25.8.2014 all (RŠ); 30.9.2011, 16.3.2012 all (RŠ&MZ); 4.9.2010 (RŠ&MZ&BZ); 25.6.2010 (RŠ&MZ&BZ&CM); 19.10.2012 (RŠ&MZ&BZ); 26.5.2012, 9.6.2013 all (MZ)
5	Rodik, 500 m, 45.62878, 13.96455	15.9.1999 (RŠ&MZ)
5	Vrhopolje, 550 m, 45.62760, 13.91480	8.3.2014 (RŠ&MZ)
5	Vrhopolje – Sv. Tomaž, 600 m, 45.63210, 13.92089	17.6.2011, 8.7.2011, 16.6.2012 all (RŠ)

## Explanation of terms to the table showing all species observed in the area - Table 2

We present the data in a table with an overview of all of the species noticed in the area. Data present species according to the content that represent family and name of the species, the presence of the species in each zone (presence is marked with an x), time of occurrence of an adult butterfly (flying period) with an indication of the months when it was spotted, the frequency of species throughout the area and notes where peculiarities are presented and also interesting facts or accurate data in the case of rare species.

The classification and nomenclature of the species is listed according to Nieuwerkerken et al. in Zhang [ed.] (2011). All dates, which are stated in the text are provided in the format day.month.year.

Lepidoptera flying period is provided with the consecutive number of the month (1 = January, 2 = February, ...). It indicates when the adult imago was observed, with a few exceptions when it is an observation of caterpillars, as explained in a footnote.

Frequency of species is estimated on the basis of the average number of observed specimens of each species in the entire 30 year period inventory. If the species is present everywhere, the rating applies to the entire Karst if not this is applied only to segments where the presence of the species is confirmed or for micro-location in them, if the species is distinctly local (abandoned ponds, distinctly dry and warm slopes, the tops of hills ...). The rating applies to the time interval when specimens of the species fly except with a few exceptions, where the frequency is estimated on the basis of observations of caterpillars (*Cucullia*, *Thaumetopoea*, *Psychidae* ...)

Frequency of species in the table is divided into 5 categories: very rare, rare, less common, common and very common. Very rare means that there has been observed less than one specimen per year, a rare - observed one to 5 specimens per year, less common - observed over 5 specimens per year to three specimens in one observation, frequent - observed from 4 to 20 specimens in one observation, very common - seen more than 20 specimens in one observation.

Specimens of rarer, more interesting and more difficult determinable species which are mentioned by exact data, are deposited in the collections of the authors as evidence.

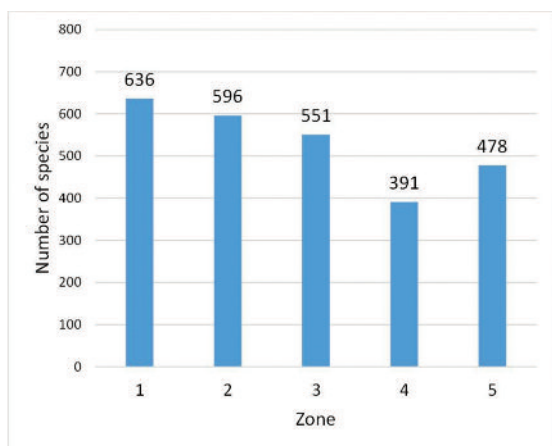
## Results

During the thirty years of observations (1985-2015) Macrolepidoptera fauna of Komenski and Sežanski kras region, we recorded 755 species of Macrolepidoptera at the total of 422 inventories.

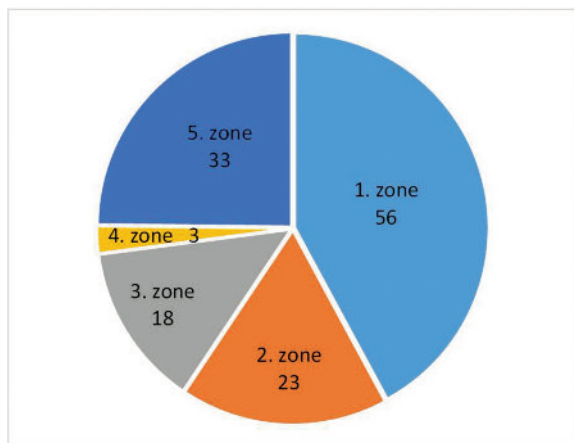
Including some data before 1985, we collected 15,400 records of the species finds. A complete species checklist is shown in Table 2 and represents data for the 25 families of Macrolepidoptera, as day or night flying species. Families with the greatest number of species identified in the area are Noctuidae (230 species), followed by Geometridae (212 species) and Erebidae (83 species).

By classifying and analyzing the data by zones we tried to determine the potential differences between them. Most of the records are from zone 1, 2 and 3, which represent 83% of the total. Among the most notable is zone no. 1 with 38% of the performed examinations and the largest number of locations, which leads to a greater number of found species (636). Zones 4 and 5 were less often visited, due to greater distances from the place of residence, so the total number of data and collected species is smaller (Fig. 2).

In zone 1, we find the majority of the species (56) which were found in only one of the zones. The zone 5 follows with 33 species, while in the central zones the number of such species is lower (Fig. 3).



**Fig. 2:** Number of species found in each zone



**Fig. 3:** Number of species in this zone only

### Overview of interesting species of the area

This chapter presents some interesting, more scarce or locally distributed species with comments and specific data of findings.

## Zygaenidae

### *Jordanita budensis* Ad. & Au. Spey.

A rare species which with isolated populations occupies area from Spain through southern Europe, Asia Minor and the Caucasus to Mongolia. In neighborhood it has been found in the Trieste Karst Villa Opicina - Opčine (Deutsch, 2008). In Slovenia, it is known from Nanos (Štanta, Zadrgal personal observation), Vipava Valley and Kozina (Deutsch, 2008), southern slope of Trnovski gozd (Kovk, Kucelj) and Kačiči near Divača (S. Gomboc personal comment) and Brkini (S. Gomboc and M. Lasan personal comment). For the determination the analysis of genital structures, especially in females is necessary due to the visual similarity with related species *Jordanita globulariae* and *Jordanita notata*. The species is active during the day, at night it might come to artificial light, as came the specimen of 5.6.2014. Three males were found in Komenski Kras: Kobjeglava – Jelenca, 23.5.1999 1♂, 21.5.2000 1♂; Kobjeglava – Jelenca, 6.5.2014 (RŠ&MZ) gen. prep. & coll. (RŠ); several specimens have been observed in Kazlje, 13.5.2015 3♂1♀ leg., gen. prep. & coll. (RŠ).

### *Zygaena punctum* Ochs.

Mediterranean – Eastern European xerophilous species that inhabits karst meadows where its food plants of the genus *Eryngium* grow. As a rare species, it is regularly found in Goriški and Komenski kras. Occasionally more numerous populations occur in the area around Brestovica and Komen.

Klariči, 4.6.1995, 1.7.1995, 24.6.1996; Opatje selo, 28.6.1996; Kostanjevica, 22.6.1997; Komen - Mali Dol, 20.5.2007; Kobjeglava – Jelenca, 20.5.2007; Kopriva, 29.5.2011; Vrhovlje, 6.6.2014 all leg. & coll. (RŠ); Klariči, 9.6.2013; Komen, 13.6.2013 both leg. & coll. (MZ).

## Hesperiidae

### *Pyrgus malvae* L. and *Pyrgus malvoides* Elw. & Edw.

In the Atlas of butterflies of Slovenija (Verovnik et al., 2012) a doubt is expressed about the accuracy of the data collected on sister species *P. malvae* / *malvoides* in Primorska, where the species mix, so we conducted an analysis of the genital structures of all 24 specimens from the Karst, which were available to us. 16 specimens with a total of 8 locations belong to *P. malvoides*. The remaining 8 specimens belong to *P. malvae*, all from a single location - south-east from Krajna vas. Although all the specimens are only from the zones 1, 2 and 3, they adequately complement the image of prevalence of *P. malvoides* at its eastern border, according to Koren et al., 2013.

#### *P. malvoides*:

Kostanjevica na Krasu, 22.4.1995 1♂1♀; Kostanjevica na Krasu, 20.4.1998 1♂2♀; Komen, 22.5.2010 1♂; Lipa na Krasu, 19.5.2010 2♂; Lipa na Krasu, 14.5.2011 1♀; Novoelo, 14.5.2011 1♀; Kobjeglava – Jelenca, 23.5.2010 2♂; Škrbina, 6.5.2014 1♂ all leg., gen. prep. & coll. (RŠ); Opatje selo, 7.5.1995 1♂; Lipa na Krasu, 14.5.2000 1♂; Brestovica, 16.5.2000 1♂ all leg., gen. prep. & coll. (MZ).

#### *P. malvae*:

Krajna vas, 21.5.2014 7♂1♀ leg., gen. prep. & coll. (RŠ).



## Lycaenidae

*Polyommatus escheri* Hübn.

Escher's blue is in Slovenia only known from flysch slopes in the coastal part of Primorska and in a small area in the west of Ilirska Bistrica (Verovnik et al., 2012). By locating one male in Klariči near Brestovica is confirmed the data of 1992 that species is present also in Komenski Kras (UL97) (Čelik, Rebeušek, 1996): Klariči, 6.6.2012 leg. & coll. (MZ).

## Geometridae

*Rhoptria asperaria* Hübn.

It is distributed from the Canary Islands, via Morocco, Algeria and South Europe to Asia Minor. It is not rare in the coastal maquis of the Mediterranean countries, but is mostly local. It flies in at least two generations from March to November. In our vicinity it has been found in Friuli and Istria (Flamigni, et al., 2007). The only published data for Slovenia is one from the beginning of May 1854 from the vicinity of Gradišče at Vipava (Mann, 1854), so Carnelutti included it in the red list (Carnelutti, 1992a) as presumed extinct (EX?). It was found in one specimen in Kras: Komen, 24.9.2013 (RŠ&MZ) coll. (MZ).

*Ennomos quercaria* Hübn.

Widespread in southern and central Europe to Iran. It flies between May and October in two generations. Inhabits oak forests because the larva feeds on various oaks - *Quercus* spp. In the south of the Apennine and the Balkan peninsulas it is quite



**Fig. 4:** *Rhoptria asperaria* female, Komen, 24.9.2013, leg. and coll. M. Zadrgal

common, but in the north it is rarer and more local. It is very rare in Slovenia. Long after the discovery in Vipava (Mann, 1854) it was no longer observed, therefore the red list (Carnelutti, 1992a) classified it as extinct (EX) for the Dinaric karst region and possibly extinct (EX?) for the Primorska region. It was later found in Podgorski kras (Flamigni et al., 2007), 23.9.2011 leg. (CM&RŠ) coll. (CM), near Koper (M. Sukič personal comment) and in Kozjansko (S. Gomboc personal comment). We got it only once in Kras: Ponikve, 29.6.2013 (RŠ&MZ&CM) coll. (RŠ).

*Lycia graecarius* Staud.

The species can be found in southern and western Balkans, in Italy extends back to the western border of Friuli, which is also the most eastern border of a similar species *Lycia florentina* (Flamigni et al., 2007). It was noted for the Slovenian Primorska (Carnelutti, 1992a) due to some wrongly determined specimens. From this sister species in Kras only *Lycia graecarius* is present. It flies from the end of February to April, depending on the height and it is relatively rare.

Vojščica, 19.3.1988 (RŠ); Klariči, 18.3.1994 (RŠ&MZ); Kostanjevica na Krasu, 25.3.1994 (RŠ&MZ); Gorjansko, 26.2.1997 (RŠ&MZ); Jirmanec, 4.6.2011 (RŠ&MZ) – larva.

*Paraboarmia viertlii* Boh.

It is widespread in South East Europe and extends back to the Caucasus and the Middle East. It occurs in late June and early July. In Slovenia was first detected in Podgorski Kras (Habeler, 2011), which is also the only so far known location. We got it in three locations in Kras, in the woods and at the edge of the forest with plenty of oak, its food plant.

Kopriva, 26.6.2011, 27.6.2012, 10.7.2013 all leg. & coll. (RŠ); Ponikve, 29.6.2013 (RŠ&MZ&CM); Podbreže, 12.7.2013 (RŠ&MZ); Kopriva, 6.7.2014 (RŠ&CM).



**Fig. 5:** A female of *Paraboarmia viertlii* attracted by artificial ultra-violet light, Ponikve, 29.6.2013

*Peribatodes correptaria* Zell.

Karst is situated at the western border of distribution of this geometrid moth of South-Eastern Europe. Its westernmost find, which is also the first finding in Italy (Deutsch, 2008), derives from the surroundings of Tržič – Monfalcone. In Carnelutti, 1992b, it is listed still as *P. perversaria* and mentioned in our country from Primorska. As it turned out later, this species is widespread only in Western Europe, so all the data in our region are attributed to the species *P. correptaria*.

We found *P. correptaria* in three locations in Kras: Kobjeglava – Zavodi, 29.10.1995 leg. & coll. (RŠ); Jirmanec, 4.6.2011 and 14.6.2013 (RŠ&MZ); Komen, 24.9.2013 (RŠ&MZ).

*Eumannia lepraria* Reb.

Its prevalence area extends from Romania via Hungary and east Austria to the north of Italy. In Slovenia, it is known only from Primorska (Carnelutti, 1992b), listed as *Tephronia sepiaria*. Later species were separated, therefore the old data for *T. sepiaria* in our area are attributed to the species of *E. lepraria*. It flies in July and August and inhabits both warm, dry and as well highly humid biotopes. Larvae live on various lichens on wood and stone.

Gorenja Brestovica, 20.7.1991 (RŠ&MZ); Temnica, 14.7.1994 leg. & coll. (RŠ); Lipa na Krasu, 18.7.1995 (RŠ&MZ); Zagrajec, 26.7.2008 leg. & coll. (RŠ); Trstelj – Vrtovka, 23.7.2009 (RŠ&MZ&TL); Temnica, 11.8.2011 leg. & coll. (RŠ); Jirmanec, 19.8.2011 (RŠ&MZ); Kopriva, 5.7.2013 leg. & coll. (MZ).

*Colostygia sericeata* Schwin.

It occurs in the Apennine and the Balkan Peninsulas. In Slovenia, it is known only from Primorska (Carnelutti, 1992), classified still as *Colostygia multistrigaria*. Since *C. sericeata* was only recently separated from the western *C. multistrigaria*, old data



**Fig. 6:** *Eumannia lepraria* male, Trstelj – Vrtovka, 23.7.2009, leg. and coll. R. Štanta



**Fig. 7:** A male of *Colostygia sericeata* on a warm, dry karst slope near Sela na Krasu, 14.11.2010

of this species in our country can be attributed to *C. sericeata*. We found it in Brestoviška dolina in Kras, where is most common in warm, dry, sunny slope, where thrives *Asperula cynanchica* L., one of its food plants. Other nutritional plant *Galium verum* L. can be found at the bottom of the valley, where geometrid moth however is much more rare. Klariči, 4.11.1993; Sela na Krasu, 10.11.2014 vse leg. & coll. MZ; Sela na Krasu, 14.11.2010, 9.11.2011, 25.11.2011, 6.11.2012; Gorjansko, 13.11.2010 all leg. & coll. (RŠ).

*Eupithecia schiefereri* Boh.

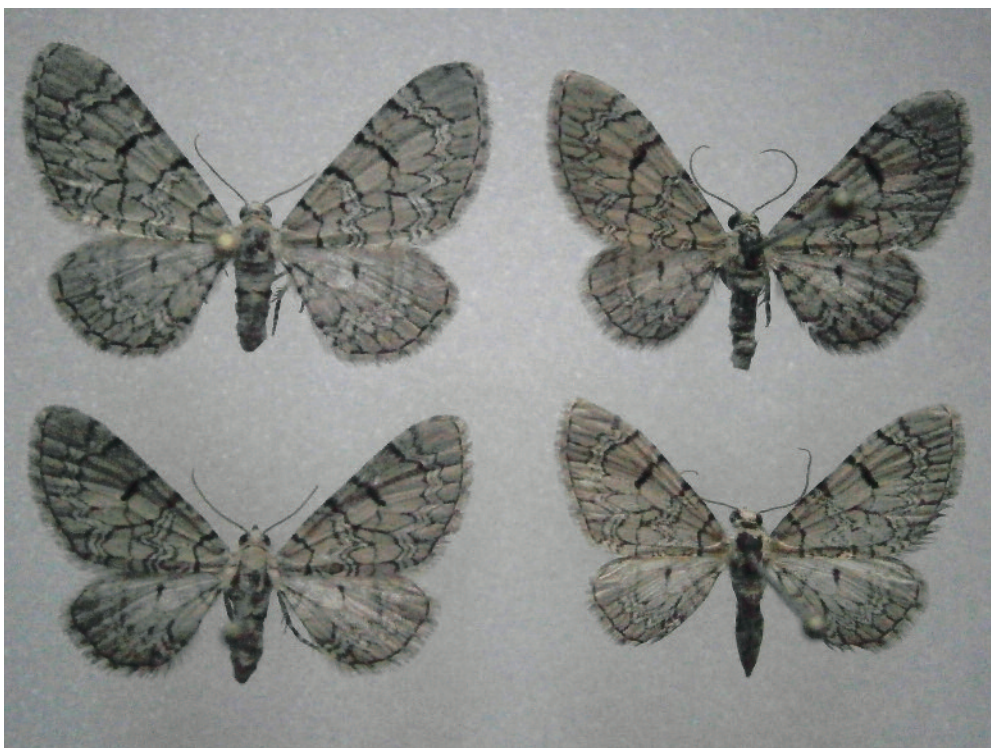
From the similar and more common *E. venosata* differs by a gray base color, in addition unambiguous determination requires analysis of the genital structures. Carnelutti (1989) cited it from Krvavec. At Kras we found it on two locations of Komenski kras. Larvae could be found in June on *Silene latifolia* Poire. ssp. *alba* Mill., where they mainly feed with flowers and seeds. Komen – Jažmerca, 5.6.2010 1♂1♀ leg., gen. prep. & coll. (RŠ); Komen – Jažmerca, 19.5.2011 2♂2♀ (RŠ&MZ); Komen – Jažmerca, 10.5.2012 (larva 5.6.2011) leg. & coll. (RŠ); Kobjeglava – Jelenca, 9.5.2012 leg. & coll. (MZ).

*Eupithecia limbata* Staud.

Published records of the species in the Slovenian fauna can not be found. Heinz Habeler has found it at Podgorski Kras (S. Gomboc personal comment). In our vicinity it has been found in the Trieste Karst in Basovizza - Bazovica (www.lepiforum.de, 2013). The species is locally common in Spain and Italy, in the Balkans and in the Middle East. Tied to the karst terrain, where grows food plant genus *Eryngium*.



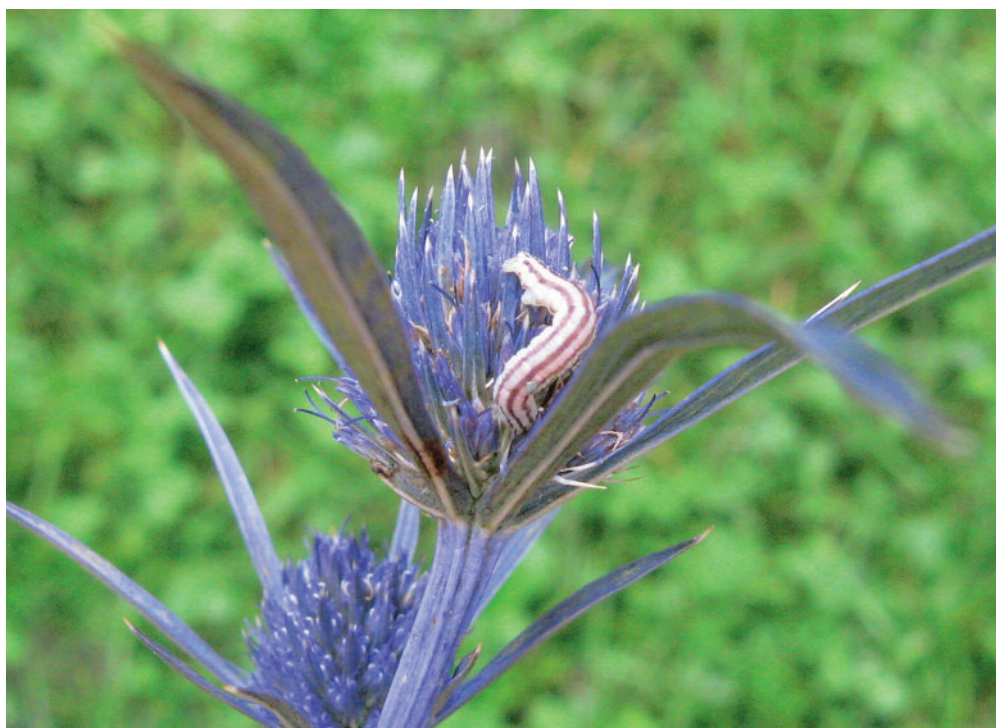
**Fig. 8:** *Eupithecia schiefereri*  
- full grown larva on its host  
plant *Silene latifolia alba*,  
Komen – Jažmerca, 10.6.2011



**Fig. 9:** *Eupithecia schiefereri* - three females and a male (above right), coll. R. Štanta



**Fig. 10:** Male of *Eupithecia limbata* sitting on a limestone rock, ex. larva Lokvica – Medvejšče, 10.7.2015, leg. and coll. R. Štanta



**Fig. 11:** Larva of *Eupithecia limbata* feeding on *Eryngium amethystinum* inflorescence, Hudi Log, 3.9.2012

Five larvae were found on flowers of *Eryngium amethystinum* L. on three locations of Goriški kras: Lokvica-Segeti, 2.9.2011; Hudi Log, 3.9.2012; Hudi Log, 24.8.2013 all larvae leg. & det. (RŠ); Lokvica – Medvejšče, 10.7.2015, 12.7.2015 (larvae 14.9.2014) leg. & coll. (RŠ).

## Notodontidae

### *Paradrymonia vittata* Staud.

This species of South European distribution reaches at our region the northeast limit of distribution. It is present throughout Kras and is not rare. It is tied to the forests and thickets, where thrives *Acer campestre* L., its plant nutrient. It flies from the beginning of May until mid-July. Here are only some data: Kostanjevica na Krasu, 11.7.1994 leg. & coll. (RŠ); Kostanjevica na Krasu, 1.7.1989 (RŠ&MZ); Gorenja Brestovica, 10.7.1997 (RŠ&ML); Jirmanec, 4.6.2011 (RŠ&MZ); Brestovica, 9.5.2013 (RŠ&MZ); Ponikve, 29.6.2013 (RŠ&MZ); Podbreže, 12.7.2013 (RŠ&MZ); Klariči, 18.6.2014 leg. & coll. (RŠ); Kopriva, 6.7.2014 (RŠ&CM).

## Erebidae

### *Nudaria mundana* L.

European species that prefers rocky mountain areas above 700 m altitude, was found in the Kras at three lowland locations: Kopriva (280 m), Ponikve (325 m) and Lokev (455 m), dominated by dry meadows with hedges and forest edge.

Lokev, 25.6.2010 (RŠ&MZ&BZ); Kopriva, 27.6.2012 leg. & coll. (RŠ); Ponikve, 29.6.2013 (RŠ&MZ&CM).

### *Eilema pseudocomplana* Dan.

This species is locally distributed in central and southern Europe, from Spain to Iran and is not common. It has one generation which flies in July and August. In Slovenia we have little published data, probably because of the similarity with *E. complana*, but is not uncommon on the Karst plateau, especially in August, when is the peak of its occurrence.

Lokev, 4.9.2010 (RŠ&MZ&BZ); Skopo, 28.7.2011 leg. & coll. (RŠ); Temnica, 11.8.2012 (RŠ&MZ); Jirmanec, 28.7.2012 (RŠ&MZ); Komen, 5.8.2013 leg. & coll. (MZ).

### *Amata marjana* Staud.

Some authors designate it as *Amata kruegeri* (Ragusa, 1904). Xerophilous species that inhabits dry, open karst meadows. In Goriški kras - around Brestovica and Lokvica two populations can be found, they occur approximately two weeks before the sister species of *Amata phegea*, common throughout all Karst.

Lokvica, 18.6.1993, 18.6.2013; Lipa na Krasu, 13.6.1999; Klariči, 31.5.1998, 1.6.2001, 8.6.2013 all leg. & coll. (RŠ); Opatje selo, 18.6.2004 leg. & coll. (MZ).

*Spiris slovenica* Dan.

Until now known as subspecies of *Coscinia (Spiris) striata*, has been now identified as a valid species (Huemer, 2012) which replaces the previously asserted *C. striata* in Slovenia, Italy, southern Austria and Croatia. It is active during the day, at night can be attracted with artificial light. Its habitat are dry meadows. At Kras is a common and widespread everywhere:

Sežana - Dol Leskovec, 14.6.1986; Opatje selo, 8.7.1989; Dutovlje, 21.6.1991; Lipa na Krasu, 18.6.2001; Komen, 22.6.2013; Brestovica, 22.6.2013; Vrhovlje, 6.6.2014 all leg. & coll. (RŠ); Lokev, 9.6.2013 leg. & coll. (MZ).

*Hypena lividalis* Hübn.

This interesting South European erebid moth we got only once in the Komenski kras. It probably came to us as a migrant.

Zagrajec, 30.9.2010 leg. & coll. (RŠ).

**Noctuidae***Euchalcia modestoides* Poole

This Eurasian species is not common, it flies in June and July. One male was found southwest of Ponikve:

Ponikve, 12.06.2013 leg. & coll. (RŠ).

*Cucullia gozmanyi* G. & L. Ron.

In Slovenia, it is known only in the Komenski kras (Lasan, 2000). Here are listed some of the findings, which expand the known distribution of the species to the Goriški kras:

Kobjeglava – Jelenca, 15.4.1998 ex larva on *Scrophularia phenicaceum* L. (larvae 22.5.1997); Kostanjevica na Krasu, 3. - 15.4.1998 (larvae 29.5.1997); Hudi log, 20.4.1998 (larvae 29.5.1997);

Lipa na Krasu, 15. - 18.4.2009 ex ovum on *S. phenicaceum* (ovum 9.5.2010, larvae 12. - 14.5.2010);

Kobjeglava – Jelenca, 12. - 26.4.2001 (larvae 23.5.2000); Gorjansko, 2. - 8.6.2001 (larvae 21.5.2000) all leg. & coll. (RŠ).

*Schinia cardui* Hübn.

This owlet moth has been found so far in three locations in Slovenia: Laško (Carnelutti, 1971), Košaki at Maribor (Lesar, Jež, 2006) and Sečovelje (S. Gomboc personal comment). From our proximity is known in Austria, Croatian Istria and Triest Karst, Ferneti (Fernetiči) (L. Morin personal comment). This xerophilous species we found in dry, open areas in Karst, particularly along the ways on *Picris hieracioides* L. where it feeds on flowers and seeds.

Sežana, 4.9.2010 3x larvae (RŠ&MZ&BZ); Pliskovica, 9. - 12.8.2011 2♂1♀ (larvae 14.9.2010); Krajna vas, 14.8.2011 1♂ (larva 14.9.2010); Pliskovica, 24. - 28.7.2012 5♂6♀ (larvae 15.8.2011); Veliki Dol, 28.7.2012 1♂ (larva 15.8.2011);



Pliskovica, 15.8.2011 1♀, Lokvica – Medvejšče, 1.8.2012 1♀ all leg. & coll. (RŠ); Vojščica, 29.7.2012; Brje pri Komnu, 21.7.2013, 26.7.2014 all leg. & coll. (MZ).

*Oligia dubia* Heyd.

It occurs around the Alps from Switzerland to the Pannonian plains in the east. It is more common on the southern slopes of the Alps and the eastern provinces of the northern Adriatic. At Kras it is common from the middle of May until the end of June. In the middle of this period, when is its summit occurrence *O. dubia* is almost as frequent as *O. latruncula*. Typical pattern of the front wings differentiates *O. dubia* from *O. latruncula* due to the lighter colored field between the post-median fascia and sub-terminal fascia. In a typical *O. dubia* the lower part of the post-median fascia is light, almost white, and it is in the lower edge of the wings slightly curved outwards, while in a typical *O. latruncula* it is on average darker, almost straight and reaches the lower edge of the wing at right angle. There are also some exceptions, so an analysis of genital armatures is required.

Kostanjevica na Krasu, 27.5.1988 (RŠ&MZ); Kobjeglava, 19.5.1997 (RŠ&MZ); Lokvica, 25.5.2002 (RŠ&BZ&SG); Lipa na Krasu, 12.5.2006 (RŠ&MZ); Zagrajec, 22.5.2009 (RŠ&MZ); Komen – Jažmerca, 5.6.2010 (RŠ&MZ&BZ); Komen, 19.5.2011 (RŠ&MZ); Kopriva, 30.5.2011 (RŠ); Skopo, 30.5.2011 and 10.6.2011 (RŠ); Jirmanec, 4.6.2011 (RŠ&MZ); Vrhpolje - Sv. Tomaž, 16.6.2012 (RŠ); Ponikve, 12.6.2013 (RŠ); Ponikve, 29.6.2013 (RŠ&MZ&CM); Brje pri Komnu, 25.4.2014 (RŠ&MZ) all gen. prep. & coll. (RŠ).



**Fig. 12:** Two caterpillars of *Schinia cardui* feeding on flowers of *Picris hieracioides*, Pliskovica, 14.9.2010



**Fig. 13:** *Euxoa cos* male, Temnica, 29.8.2008, leg. and coll. M. Zadrgal

*Perigrapha rorida* Friv.

Mediterranean-Asian owlet moth occurs in March and April. Larvae are fed exclusively with *Paliurus spina-christi* Mill. Regularly occurring in west of Goriški and Komenski kras.

Klariči, 25.3.1994, 26.3.1995, 15.3.2002 (RŠ & MZ); Vojščica, 25.3.1996 leg. & coll. (RŠ); Klariči, 19. - 25.3.1996 ex larva leg. & coll. (RŠ); Klariči, 15.03.2014 leg. & coll. (MZ).

*Euxoa cos* Hübn.

It is a Mediterranean – West Asian species, Carnelutti (1992) is mentioning it for Vipava - old data. It has recently been found in Iamiano - Jamlje in Gorizia karst in Italy (Deutsch, 2008). One specimen was found also on the Slovenian side:

Temnica, 29.8.2008 leg. & coll. (MZ).

### Discussion

755 species were found in the area of the Karst, compared with approximately 390 previously mentioned literature data, quite a significant increase in knowledge of Macrolepidoptera for Komenski and Sežanski kras. Comparison with approximately 670 recorded species on the more explored Italian side indicates that the vast majority of the registered fauna on the Italian side was found with our observations. Larger number of species is mostly due to greater surface of Kras on the Slovenian side and because there is a greater distance from the Gulf of Trieste, having on average, cooler climate. Typical species of these cooler areas, which are not confirmed for the Italian side, are populated in the southeastern and eastern part of the plateau. These are eg.:

*Euphyia biangulata*, *Nudaria mundana*, *Brachionycha nubeculosa*, *Mniotype adusta*, *Staurophora celsia*, *Agrotis cinerea* and others.

Fauna on the Italian side leads in the number of hygrophilous species, some of them were not found on our side: *Lycaena dispar*, *Gastropacha populifolia*, *Perizoma flavofasciata*, *Cerura vinula*, *Herminia tenuialis*, *Deltote bankiana*, *Deltote uncula*, *Apterogenum ypsilon*, *Mythimna pallens*, *Mythimna impure* and others. The literature does not always show the exact locations of these species; mainly they are surroundings of karst lakes, Doberdob lake - Lago di Doberdo and Prelosno lake - Lago di Pietrarossa and for some wetland areas of nearby Tržič - Monfalcone or Milje - Muggia.

We found some hygrophilous species on the Slovenian side in the surroundings of ponds and their residues as the only surface water. The most suitable due to multiannual abandonment and large edge vegetation zone is a pond in Komen, where we found the majority of hygrophilous species: *Athetis gluteosa*, *Rhizodra lutosa*, *Globia sparganii* and others.

There are fewer differences regarding xerophilous species among the Italian and the Slovenian part of the Karst. Thanks mainly to the warmer northwestern part on our side we found there almost all present species: *Polygonia egea*, *Gnopharmia stevenaria*, *Rhoptria asperaria*, *Colostygia sericeata*, *Dysauxes famula*, *Metachrostis velox*, *Zebeeba falsalis*, *Meganephria bimaculosa*, *Dryobotodes monochroma*, *Aporophyla canescens*, *Perigrapha rorida* and others.

In the studied area of the Karst the most notable regarding diversity are zones 1 and 5. Among the 56 species, which were found only in the zone 1 stand out xerophilous species. The main factor is the impact of a warmer local climate, especially in Brestoviški dol and neighboring lower parts of Goriški and Komenski kras, where the influence of the sea could be felt. Therefore some xerophilous species we found only here: *Acanthopsyche ecksteini*, *Pieris ergane*, *Polyommatus escheri*, *Polygonia egea*, *Nychiodes dalmatina*, *Amata marjana*, *Catocala conjuncta*, *Odice suava*, *Dryobotodes carbonis*, *Perigrapha rorida*, *Euxoa cos* and others.

Another group typical only for zone 1 are random finds species, which are more common in the near Vipava Valley: *Lycaena hippothoe*, *Clostera anastomosis*, *Gluphisia crenata*, *Furcula furcula*, *Furcula bifida*, *Spilosoma lutea*, *Euproctis chrysorrhoea*, *Sphrageidus similis*, *Acronicta auricoma*, *Apamea crenata*.

The discovery of Erebid moth *Pelosia muscerda* in Klariči is also interesting, the latter is probably accidental guest from the surroundings of karst lakes on the Italian side. Similarly, *Dryobota labecula* and *Dryobotodes tenebrosa* probably flew from the stands of holly oaks at the coast of the Gulf of Trieste.

Zone 5 is the second according to the number of unique species. We found 33 species here which in other zones can not be found. A key role in this has the set of hills with altitude about 700 m from Jirmanec, more commonly known as Kokoš to V. Gradišče and Ograda. Colder climate on the top generates the presence of certain species, which were found only here: *Peribatodes secundaria*, *Charissa obscurata*, *Scotopteryx moeniata*, *Catarhoe rubidata*, *Euphyia biangulata*, *Thera vetustata*, *Hydrelia flammeolaria*, *Eupithecia trisignaria*, *Eupithecia absinthiata*, *Xanthia icteritia*, *Eugnorisma depuncta* and others.

The warm southern slopes are different, there are some interesting xerophilous and mesophilous species: *Phaiogramma etruscaria*, *Euphyia adumbraria*, *Horisme calligraphata*, *Perigrappa i-cinctum slovenica*.

For the entire Kras, especially for the central zones 2,3 and 4 which are characterized by the coexistence of species with different ecological requirements. This is enabled by a heterogeneous structure of microhabitats, conditioned by karst phenomena. Thus we find in small areas xerophilous, mesophilous and hygrophilous species. Hygrophilous species retain in sinkholes, some of the rarer are: *Coenonympha oedippus*, *Acosmetia caliginosa*, *Photedes morrisii sohnretheli*, *Mythimna riparia*, *Orthosia gracilis*. At the edge of sinkholes mesophilous species are found, among which we highlight *Ennomos autumnaria*, *Odontopera bidentata*, *Polia nebulosa*, *Moma alpium*; on the slopes xerophilous species of Lepidoptera, among the rarer eg.: *Ennomos quercaria*, *Zekelita antiqualis*, *Praestilbia armeniaca*, *Aporophyla canescens*.

Among central zones slightly stands out zone 2 with 23 species which are not found elsewhere and consist of mainly xerophilous species: *Gnopharmia stevenaria*, *Rhoptria asperaria*, *Eublemma parva*, *Epimecia ustula*, because the lower southwest part of the zone falls within the warmer climate area.

Due to the small number of inventories in zones 4 and 5, the number of species found there is the smallest. We expect that with additional research the differences in correlation with other zones will diminish, as in these two zones over 110 ubiquitous species are missing but are being represented in all other zones.

A brief mention also deserve the most common species of Karst. In selection of the latter we took into account the average abundance throughout the period of 30 years. We canceled out seasonal fluctuations, which were quite large. Kras is being largely dominated by the tree species of Lepidoptera due to its overgrowth with shrubs and trees. Among these species we can find: *Colotois pennaria*, *Operophtera brumata*, *Eupithecia ericeata*, *Thaumetopoea pityocampa*, *Diloba caeruleocephala*, *Craniophora ligustri*, *Amphipyra pyramidea*, *Allophyes oxyacanthae*, *Conistra vaccinii*, *Conistra erythrocephala*, *Orthosia cerasi*, *Orthosia cruda*.

The butterflies were somewhat neglected in our observations, so we were unable to confirm all known species. According to the Atlas of butterflies of Slovenia (Verovnik & al., 2012) 9 additional species are also present: *Leptotes pirithous*, *Satyrium acaciae*, *Satyrium w-album*, *Apatura ilia*, *Aphantopus hyperantus*, *Araschnia levana*, *Brenthis ino*, *Satyrus ferula* and *Colias hyale*, as well as 15 species, which were found during the inventory of the Kras by Stanislav Gomboc: *Hyles gallii*, *Laothoe populi*, *Peribatodes umbraria*, *Idaea muricata*, *Scopula confinaria*, *Nebula achromaria*, *Epirrita autumnata*, *Aplocera praeformata*, *Atolmis rubricollis*, *Hypophora aulica*, *Lygephila procax*, *Eublemma ostrina*, *Bryophila domestica*, *Hoplodrina octogenaria* and *Noctua orbona*.

A few more species known from the literature are expected to be found, but we have not managed to find them yet: *Acanthopsyche atra*, *Apterona helicoidella* (parth. form), *Paranthrene tabaniformis*, *Synanthedon stomoxiformis*, *Daphnis nerii*, *Erannis ankeraria*, *Charissa variegata*, *Cerura vinula*, *Chelis maculosa*, *Catocala diversa*, *Omia cymbalariae*, *Dichonia aeruginea*.

Along with these, the number of species found in the Karst region rose to 791, which represents more than 52 % of known Macrolepidoptera species in Slovenia where from Carnelutti (1992a, 1992b), Gomboc & Lasan (2006) and Lesar & Govedič (2010) is to conclude that the slovenian fauna of Macrolepidoptera counts around 1500 species.

For slovenian Kras is in older literature also mentioned *Pyrgus onopordi*, which now applies to extinct species in Slovenia (Verovnik & al., 2012) and some dubious species: *Rebelia sapho*, *Asthenes anseraria*, *Autophila anaphanes* and *Diarsia mendica*, some of them had already been critically discussed: *Pyrgus cirsii*, *Coscinia cribraria*, *Malacosoma franconica* (Carnelutti, 1971).

### Species Conservation overview

Karst is one of the hotspots of biodiversity, but we have witnessed accelerated change of the Kras area in recent decades. The main reason is the abandonment of traditional agricultural use of the landscape, resulting in overgrowth, thereby the reduction of the typical dry grasslands. The increase of urban environments, industrialization and the introduction of intensive farming also have a negative impact, but in the addressed area represent more marginal role. With the disappearance of the typical karst landscape we are losing the diversity of flora and fauna. The public is recently aware of this natural wealth, since almost the entire area of the central Kras has been placed in a special protection area Natura 2000 (Kras SI5000023), exempted are only Sežana, Divača and Kozina with their neighborhoods.

In the attached checklist of species there are 67 species, which have the status of the endangered species in Slovenia (UL RS, 82/2002), from which 43 are in the category of endangered species - E and 24 of them are vulnerable species - V.

There are 7 priority species living in Kras according to the Habitats Directive (92/43/EC), of those are 4 from Attachment II.: *Callimorpha (Euplagia) quadripunctaria*, *Coenonympha oedippus*, *Eriogaster catax* in *Euphydryas aurinia* and 3 from Attachment IV.: *Lopinga achine*, *Parnassius mnemosyne* and *Zerynthia polyxena*.

Protected species on the state level are laid down with Regulation of the conservation of natural habitats and of wild fauna and flora (Ur. l. RS, 2004a). 23 species are listed in both attachments.

In Attachment 1, which protects the species and populations, there are 30 species from Kras (following in alphabetical order, as in the Regulation): *Callimorpha (Euplagia) quadripunctaria*, *Carcharodus flocciferus (floccifera)*, *Chazara briseis (Ex?)*, *Chesias rufata*, *Coenonympha oedippus*, *Diaphora luctuosa*, *Eriogaster catax*, *Eublemma purpurina*, *Euphydryas aurinia*, *Eupithecia ochridata*, *Gnopharmia stevenaria*, *Gortyna puengeleri*, *Hecatera cappa*, *Hemaris fuciformis*, *Hemaris tityus*, *Lopinga achine*, *Nudaria mundana*, *Paradrymonia vittata*, *Parnassius mnemosyne*, *Perigrapha i-cinctum*, *Perisomena (Saturnia) caecigena*, *Phragmatobia luctifera*, *Plebicula (Polyommatus) escheri*, *Polygonia egea*, *Praestilbia armeniaca*, *Saturnia pyri*, *Schinia cardui*, *Zerynthia polyxena*, *Zygaena ephialtes*, *Zygaena punctum*.

42 species is from Attachment 2, which protects habitats: *Acanthopsyche zelleri*, *Apamea aquila*, *Archanara sparganii*, *Atethmia centrago*, *Athetis gluteosa*, *Callimorpha (Euplagia) quadripunctaria*, *Carcharodus flocciferus (floccifera)*, *Chazara briseis (Ex?)*, *Chesias rufata*, *Chortodes (Photodes) morrisii sohnretheli* (in Regulation as *Chortodes morrisii* and *Chortodes sohnretheli*), *Coenonympha oedippus*, *Colostygia sericeata*, *Coscinia slovenica* (in Regulation as *Coscinia striata*), *Crassagrotis crassa (Agrotis bigramma)*, *Cucullia gozmanyi*, *Diaphora luctuosa*, *Eilema pseudocomplana*, *Eriogaster catax*, *Eublemma purpurina*, *Euphydryas aurinia*, *Eupithecia ochridata*, *Euxoa cos*, *Gnopharmia stevenaria*, *Hemaris fuciformis*, *Hemaris tityus*, *Metachrostis dardouini*, *Metachrostis velox*, *Nudaria mundana*, *Odice suava*, *Orbona fragariae*, *Parnassius mnemosyne*, *Perigrapha i-cinctum*, *Phragmatobia luctifera*, *Plebicula (Polyommatus) escheri*, *Plebicula (Polyommatus) thersites*, *Polygonia egea*, *Praestilbia armeniaca*, *Rhizedra lutosa*, *Rhyparia purpurata*, *Zerynthia polyxena*, *Zygaena ephialtes*, *Zygaena punctum*.

Data on the recorded species of Macrolepidoptera confirm that the importance of the nature protection area is enormous and the collected data could represent the basis for the monitoring and supervision of the endangered, protected and other species.

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## Appendix:

**Tab. 2:** Checklist of observed species. Explanation of terms and abbreviations is given in the chapter Materials and Methods.

Family / No. Sp. / Taxon	Zone					Flying period	Frequency	Note
	1	2	3	4	5			
HEPIALIDAE (2)								
<i>Triodia sylvina</i> (Linnaeus, 1761)	x	x	x	x	x	8,9	common	Kobjeglava - Jelenca, 13.5.1997 (RŠ&MZ&SG); Kobjeglava - Zavodi, 8.5.2001 (RŠ&MZ); Kobjeglava - Jelenca, 9.5.2012 (RŠ&MZ); Kazlje, 19.5.2015 (RŠ&MZ)
<i>Pharmacis lupulina</i> (Linnaeus, 1758)		x	x	x		5	rare	
PSYCHIDAE (13)								
<i>Dahlia triquetrella</i> (parth. form) (Hübner, 1813)	x	x	x			3,4	very common	Lokvica, 7.4.2006 e. p. 30.3.2006 (RŠ); Lipa na Krasu, 9.5.2008 e. l. 25.2.2008 (RŠ)
<i>Taleporia politella</i> (Ochsenheimer, 1816)	x	x	x	x		4,5	common	Opatje selo, 29.3.2007 e. p. 20.3.2007 (MZ); Lokvica, 19.4.2007 e. p. 30.3.2007 (RŠ); Lipa na Krasu, 10.5.2008 e. l. 25.2.2008 (RŠ)
<i>Psyche crassiorella</i> (Bruand, 1851)	x	x	x			3,4,5	not common	Lipa na Krasu, 20.4.1996 (RŠ&MZ); Lokvica, 30.3.2006 (RŠ) - larvae; Miren - Gmajna, 15.5.2012 e. l. 15.4.2012 (RŠ)
<i>Bijugis bombycella</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	5,6,7	very common	
<i>Rebelia per-lucidella</i> (Bruand, 1853)	x	x	x	x	x	4,5	common	
<i>Epichnopteryx kovacsi</i> Sieder, 1955	x	x				3,4	not common	Novelo, 5.4.1987 (RŠ); Kostanjevica na Krasu, 20.4.1996 (RŠ); Klarići, 15.3.1998 (RŠ)
<i>Acanthopsyche ecksteini</i> (Lederer 1855)	x					4	rare	Opatje selo, 2.4.2007 e. l. 2.9.2006 on <i>Satureja montana</i> and <i>Genista germanica</i> (RŠ); Lokvica, 9.4.2007 (RŠ&MZ)
<i>Acanthopsyche zelleri</i> (Mann, 1855)	x	x			x	4	common	Lokvica, 23.4.2006 (RŠ); Opatje selo, 7.4.2007 (RŠ); Kostanjevica na Krasu, 11.4.2007 (RŠ)

<i>Canephora hirsuta</i> (Poda, 1761)	x	x		6	rare	Kostanjevica na Krasu, 11.6.1988 (RŠ&MZ); Zagrajec, 4.6.2014 e. p. 25.10.2013 (RŠ&MZ)
<i>Pachythelia villosella</i> (Ochsenheimer, 1810)	x	x		5,6	rare	Lipa na Krasu, 9.6.2000 (MZ); Vojšćica, 6.6.2011 (MZ); Komen, 28.5.2012 (MZ)
<i>Ptilocephala plumifera mediterranea</i> (Lederer 1852)	x	x		3,4	rare	Lipa na Krasu, 20.4.1996 (RŠ&MZ); Kostanjevica na Krasu, 16.3.1997 (RŠ); Brje pri Komunju, 4.4.1999 (MZ); Kostanjevica na Krasu, 17.4.2006 (RŠ)
<i>Megalophanes viciella</i> (Denis & Schiffermüller, 1775)	x	x	x	5,6	common	
<i>Phalacropteryx praecellens</i> (Staudinger, 1870)	x	x	x	2,3,4	very common	
COSSIDAE (4)						
<i>Cossus cossus</i> (Linnaeus, 1758)	x	x	x	5,6,7	rare	Klarići, 16.5.1994 (RŠ&MZ); Skopo, 26.6.2011 (RŠ); Ponikve, 29.6.2013 (RŠ&MZ&CM); Krajna vas, 18.7.2014 (RŠ&MZ)
<i>Parahypopta caestrum</i> (Hübner, 1803-1808)	x	x	x	6,7	rare	Gorenja Brestovica, 20.7.1991 (RŠ&MZ); Škrbina, 18.7.1995 (RŠ&MZ); Zagrajec, 26.7.2008 (RŠ&MZ); Veliki Dol, 27.6.2012 (RŠ)
<i>Dyspessa ulula</i> (Borkhausen, 1790)	x	x	x	4,5,6,7	not common	
<i>Zeuzera pyrina</i> (Linnaeus, 1761)	x	x	x	6,7,8,10	not common	Kostanjevica na Krasu, 1.7.1989 (RŠ&MZ); Kobjeglava, 2.10.1995 (RŠ); Ponikve, 29.6.2013 (RŠ&MZ&CM); Kopriva, 6.7.2014 (RŠ&CM)
SESIIDAE (4)						
<i>Synanthedon andrenaeformis</i> (Laspeyres, 1801)	x			/	very rare	Opatje selo, 23.4.2006 - larvae on <i>Viburnum lantana</i> (RŠ)
<i>Synanthedon myopaeformis</i> (Borkhausen, 1789)		x		/	not common	Komen, 12.4.2007 - larvae on <i>Malus domestica</i> (RŠ)
<i>Synanthedon tipuliformis</i> (Clerck, 1759)	x			/	not common	Kostanjevica na Krasu, 24.5.2003 - larvae on <i>Ribes</i> spp. (RŠ)
<i>Chamaesphecia aerifrons</i> (Zeller, 1847)	x			/	not common	Vojšćica, 27.12.2012 (RŠ); Selo na Krasu, 2.11.2013 (RŠ) - exuviae and larvae in the roots of <i>Satureja montana</i>

HETEROGYNIDAE (1)														
<i>Heterogyinis penella</i> (Hübner, 1819)									x	x	x	5,6	very common	Jirmanec, 4.6.2011 pupa (RŠ&MZ); Podbreže, 9.6.2013 e. p. 1.5.2013 (RŠ&MZ); Vrhovlje, 6.6.2014 exuviae (RŠ); Kazlje, 13.5.2015 (RŠ)
LIMACODIDAE (1)														
<i>Apoda limacodes</i> (Hufnagel, 1766)									x	x	x	5,6,7,8	common	
ZYGAENIDAE (16)														
<i>Jordanita budensis</i> (Ad. & Au. Speyer, 1858)									x	x		5	very rare	Data in the Chapter regarding interesting species
<i>Jordanita notata</i> (Zeller, 1847)									x	x		6	rare	Lipa na Krasu, 9.6.2002 (RŠ); Kopriva, 10.6.2011 (RŠ) - inspection of the genital structures (RŠ)
<i>Jordanita chloros</i> (Hübner, 1813)											x	6,7	rare	Jirmanec, 16.7.2010 (MZ); Jirmanec, 8.7.2011 (RŠ)
<i>Jordanita globulariae</i> (Hübner, 1793)									x	x	x	5,6	common	
<i>Adscita manni</i> (Lederer, 1853)									x	x	x	5,6,7	common	
<i>Adscita statices</i> (Linnaeus, 1758)											x	5	very rare	Kobjeglava - Jelenca, 26.5.2000 (RŠ)
<i>Zygaena punctum</i> Oehsenheimer, 1808									x	x		5,6	rare	Data in the Chapter regarding interesting species
<i>Zygaena purpuralis</i> (Brünnich, 1763)									x	x	x	4,5,6	very common	
<i>Zygaena carniolica</i> (Scopoli, 1763)									x	x	x	6,7	common	
<i>Zygaena loti</i> (Denis & Schiffmüller, 1775)									x	x	x	5,6	very common	
<i>Zygaena osterodensis</i> Reiss, 1921									x	x		5	very rare	Opatje Selo, 9.6.1995 (MZ); Klariči, 31.5.1998 (RŠ); Kobjeglava - Jelenca, 26.5.2000 (RŠ)
<i>Zygaena viciae</i> (Denis & Schiffmüller, 1775)									x		x	6	rare	Lipa na Krasu, 9.6.2000 (MZ); Lipa na Krasu, 9.6.2002 (RŠ); Jirmanec, 17.6.2011 (RŠ)
<i>Zygaena ephialtes</i> (Linnaeus, 1767)									x			6	very rare	Klariči, 25.6.1988 (RŠ); Klariči, 5.7.1995 (MZ)
<i>Zygaena transalpina</i> (Esper, 1780)									x	x	x	5,6	not common	Nova vas, 14.9.2014 - unusual date, one male observed
<i>Zygaena filipendulae</i> (Linnaeus, 1758)									x	x	x	5,6	very common	
<i>Zygaena loniceriae</i> (Scheven, 1777)									x	x	x	5,6	common	

THYRIDIDAE (1)										
<i>Thyris fenestrella</i> (Scopoli, 1763)	x				6,7			very rare		Opatje selo, 8.7.1989 (RŠ); Klariči, 24.6.1996 (RŠ)
PAPILIONIDAE (4)										
<i>Zerynthia polyxena</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	3,4,5		common		Kostanjevica na Krasi, 16.4.1989 (RŠ); Lipa na Krasi, 26.4.2000 (RŠ); Dutovlje, 18.4.2009 (RŠ)
<i>Parnassius mnemosyne</i> (Linnaeus, 1758)	x	x	x	x		5,6		not common		Kobjeglava, 15.6.1990 (RŠ); Trstelj, 19.5.1991 (RŠ); Lipa na Krasi, 14.5.2010 (MZ); Kazije, 13.5.2015 (RŠ)
<i>Ipichides podalirius</i> (Linnaeus, 1758)	x	x	x	x	x	3,4,5,6,7,8		common		
<i>Papilio machaon</i> Linnaeus, 1758	x	x	x	x	x	4,5,6,7,8,9		not common		
HESPERIIDAE (15)										
<i>Erynnis tages</i> (Linnaeus, 1758)	x	x	x	x	x	4,5,6,7,8,9		common		
<i>Carcharodus alceae</i> (Esper, 1780)	x					6		very rare		Brestovica, 28.6.1995 (RŠ)
<i>Carcharodus floccifera</i> (Zeller, 1847)	x	x	x		x	5,6,7		rare		Klariči, 31.5.1998 (RŠ); Lokev, 8.7.2002 (RŠ); Lipa na Krasi, 22.5.2010 (RŠ); Kobjeglava, 22.5.2011 (RŠ); Krajna vas, 21.5.2014 (RŠ); Vrhovlje, 6.6.2014 (RŠ)
<i>Spialia sertorius</i> (Hoffmannsegg, 1804)	x	x	x	x	x	4,5,6,7,8		common		
<i>Pyrgus carthami</i> (Hübner, 1813)	x	x	x	x	x	5,6		not common		Brestovica, 16.6.2002 (RŠ); Lipa na Krasi, 30.6.1990 (RŠ); Gorjansko, 22.5.2011 (RŠ); Kopriva, 29.5.2011 (RŠ); Podbreže, 6.6.2014 (RŠ)
<i>Pyrgus malvae</i> (Linnaeus, 1758)					x	5		rare		Data in the Chapter regarding interesting species
<i>Pyrgus malvoides</i> (Elwes & Edwards, 1897)	x	x				4,5,6		not common		Data in the Chapter regarding interesting species
<i>Pyrgus armoricanus</i> (Oberthür, 1910)	x	x	x			5,6		rare		Klariči, 6.5.2000 (MZ); Kobjeglava, 22.5.2011 (RŠ); Komen, 29.5.2011 (RŠ); Gorjansko, 22.6.2013 (RŠ); Vrhovlje, 6.6.2014 (RŠ); Lokev, 6.6.2014 (RŠ)
<i>Pyrgus atveus trebevicensis</i> (Warren, 1926)					x	6		very rare		Lokev, 6.6.2014 (RŠ)

<i>Heteropterus morpheus</i> (Pallas, 1771)	x	x	x	6,7	rare	Opatje selo, 23.6.2006 (RŠ); Kobjeglava, 15.6.1990 (RŠ)
<i>Carterocephalus palaemon</i> (Pallas, 1771)		x		5	very rare	Škrbina, 6.5.2014 (RŠ)
<i>Thymelicus lineola</i> (Ochsenheimer, 1808)	x	x	x	5,6,7	very common	
<i>Thymelicus sylvestris</i> (Poda, 1761)		x	x	6,7	rare	Lipa na Krasu, 19.6.2010 (RŠ); Dobravljje, 20.7.2013 (RŠ)
<i>Hesperia comma</i> (Linnaeus, 1758)	x	x	x	6,7,8,9	not common	
<i>Ochlodes sylvanus</i> (Esper, 1777)	x	x	x	5,6,7,8,9	common	
PIERIDAE (12)						
<i>Leptidea sinapis</i> (Linnaeus, 1758)	x	x	x	3,4,5,6,7,8,9	very common	
<i>Anthocharis cardamines</i> (Linnaeus, 1758)	x	x	x	3,4,5,6	common	
<i>Aporia crataegi</i> (Linnaeus, 1758)	x	x	x	4,5,6,7	very common	Kostanjevica na Krasu, 22.4.1981 (RŠ) - the earliest date
<i>Pieris brassicae</i> (Linnaeus, 1758)	x	x	x	5,6,7,8,9,10	not common	
<i>Pieris mammii</i> (Mayer, 1851)	x	x	x	3,4,5,6,7,8,9	common	
<i>Pieris rapae</i> (Linnaeus, 1758)	x	x	x	3,4,5,6,7,8,9,10	common	
<i>Pieris ergane</i> (Geyer, 1828)	x			6,8	very rare	Vale, 23.6.1999 (RŠ); Vojšičica, 18.8.2002 (RŠ)
<i>Pieris napi</i> (Linnaeus, 1758)	x	x	x	3,4,5,6,7,8,9,10	very common	
<i>Pontia edusa</i> (Fabricius, 1777)	x	x		4,5,6,8,9	not common	
<i>Colias croceus</i> (Geoffroy & Fourcroy, 1785)	x	x	x	4,5,6,7,8,9,10,11	common	
<i>Colias alfacariensis</i> Ribbe, 1905	x	x	x	4,5,6,7,8,9,10	common	
<i>Gonepteryx rhamni</i> (Linnaeus, 1758)	x	x	x	1 - 12	common	

LYCAENIDAE (30)												
<i>Hamearis lucina</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	4,5,7,8	common	Kopriva, 29.5.2011 (RŠ)	
<i>Lycena phlaeas</i> (Linnaeus, 1761)	x	x	x	x	x	x	x	x	3,4,5,6,7,8,9,10,11	common	Kopriva and Vrhovlje, 17.8.2013 (RŠ)	
<i>Lycena tityrus</i> (Poda, 1761)	x	x	x	x	x	x	x	x	4,5,6,7,8	not common		
<i>Lycena aliciphron</i> (Rottemburg, 1775)								x	5	very rare	Lokev, 26.5.2012 (MZ)	
<i>Lycena hippothoe</i> (Linnaeus, 1761)	x								6,7	very rare	Opatje selo, 19.7.1989 (RŠ); Kostanjevica na Krasu, 30.6.1990 (RŠ)	
<i>Favonius quercus</i> (Linnaeus, 1758)	x	x							6,7,8,9	rare		
<i>Callophrys rubi</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	3,4,5,6	common		
<i>Satyrium spini</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	x	6,7	common		
<i>Satyrium ilicis</i> (Esper, 1779)	x	x	x	x	x	x	x	x	6,7	very common		
<i>Cacyreus marshalli</i> Butler, 1898	x								9,10	not common	Opatje selo, 21.9.2011 (RŠ); Nova vas, 14.10.2012 (RŠ)	
<i>Cupido minimus</i> (Fuessly, 1775)	x	x	x	x	x	x	x	x	4,5,6,7	common	Kopriva, 29.5.2011 (RŠ)	
<i>Cupido argiades</i> (Pallas, 1771)	x	x	x						4,5,6,7,8,9	not common		
<i>Cupido alcetas</i> (Hoffmannsegg, 1804)	x	x	x	x	x	x	x	x	4,5,6,7,8,9	not common		
<i>Celastrina argiolus</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	4,5,6,7,8,9	common	Kopriva, 29.5.2011 (RŠ); Skopo, 17.8.2013 (RŠ)	
<i>Pseudophilotes vicrama</i> (Moore, 1865)	x	x	x						3,4,5,6,7,8	rare	Gorenja Brestovica, 16.4.1995 (RŠ); Opatje selo, 19.4.1995 (RŠ); Lipa na Krasu, 26.4.2000 (RŠ)	
<i>Scolitantides orion</i> (Pallas, 1771)	x	x	x						4,5,6,7	not common		
<i>Glaucopteryx alexis</i> (Poda, 1761)	x	x	x						4,5	rare		
<i>Plebeius argus</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	5,6,7,8	very common		
<i>Plebeius idas</i> (Linnaeus, 1761)	x	x	x	x	x	x	x	x	5,6,7,8,9	common		



<i>Plebeius argyrognomon</i> (Bergsträsser, 1779)	x	x	x		5,6,7,9	not common		Data in the Chapter regarding interesting species	
<i>Aricia agestis</i> (Denis & Schiffmüller, 1775)	x	x	x	x	4,5,6,7,8,9,10	common			
<i>Polyommatus semiargus</i> (Rottemburg, 1775)	x	x	x	x	5,6,7	very common			
<i>Polyommatus escheri</i> (Hübner, 1823)	x				6	very rare			
<i>Polyommatus dorylas</i> (Denis & Schiffmüller, 1775)	x	x			4,5,6,7	rare		Kostanjevica na Krasu, 23.4.1988 (RŠ); Kostanjevica na Krasu, 18.6.1993 (RŠ); Lipa na Krasu, 14.5.2011 (RŠ)	
<i>Polyommatus amandus</i> (Schneider, 1792)				x	5,6	not common		Krvavi Potok, 30.6.1992 (RŠ); Vrhpolje - Sv. Tomaž, 16.6.2012 (RŠ); Lokev, 9.6.2013 (MZ)	
<i>Polyommatus thersites</i> (Cantener, 1835)	x			x	5,6	very rare		Lokev, 26.5.2012 (MZ); Klariči, 11.6.2010 (MZ)	
<i>Polyommatus icarus</i> (Rottemburg, 1775)	x	x	x	x	5,6,7,8,9	very common			
<i>Polyommatus daphnis</i> (Denis & Schiffmüller, 1775)	x	x			6,7,8	rare			
<i>Polyommatus bellargus</i> (Rottemburg, 1775)	x	x	x	x	5,6,7,8,9,10	very common			
<i>Polyommatus coridon</i> (Poda, 1761)	x	x	x	x	7,8	very common		Pliskovica, Kopriva, Skopo, Dutovlje, Vrhovlje, Sežana - Dol Leskovec all 17.8.2013 (RŠ)	
NYMPHALIDAE (49)									
<i>Libythea celtis</i> (Laicharting, 1782)	x	x			2,3,4,6,7	common			
<i>Pararge aegeria</i> (Linnaeus, 1758)	x	x	x	x	2,3,4,5,6,7,8,9,10,11	common			
<i>Lasionnata megera</i> (Linnaeus, 1758)	x	x	x	x	3,4,5,6,7,8,9,10	common			
<i>Lasionnata maera</i> (Linnaeus, 1758)	x	x	x	x	4,5,6,7,8	common			
<i>Lopinga achine</i> (Scopoli, 1763)	x			x	6	very rare		Sežana - Dol Leskovec, 14.6.1986 (RŠ); Trstelj, 18.6.1993 (RŠ)	
<i>Coenonympha oedippus</i> (Fabricius, 1787)	x	x	x		6,7	not common		Opatje selo, 8.7.1989 (RŠ); Lokvica, 20.6.1998 (RŠ); Brje pri Komunju, 12.6.1999 (MZ); Pliskovica, 23.6.1999 (RŠ); Vale, 23.6.1999 (RŠ); Lipa na Krasu, 18.6.2001 (RŠ)	

<i>Coenonympha arcania</i> (Linnaeus, 1761)	x	x	x	x	x	x	5,6,7	very common	Lokev, 8.7.2002 (RŠ); Jirmanec, 17.6.2011 (RŠ)
<i>Coenonympha glycerion</i> (Borkhausen, 1788)						x	6,7	common	
<i>Coenonympha pamphilus</i> (Linnaeus, 1758)	x	x	x	x	x	x	4,5,6,7,8,9,10	very common	
<i>Erebia aethiops</i> (Esper, 1777)	x		x			x	7,8	not common	Kobjeglava, 5.8.1988 (RŠ); Opatje selo, 11.8.2006 (RŠ); Jirmanec, 8.7.2011 (RŠ)
<i>Erebia medusa</i> (Denis & Schiffermüller, 1775)						x	5,6	not common	Povir, 22.5.2005 (RŠ); Lokev, 9.6.2013 (MZ)
<i>Pyronia tithonus</i> (Linnaeus, 1767)	x	x	x			x	7,8,9	common	Pliskovica, 10.8.2011 (RŠ); Kopriva, Dutovlje, Vrhovlje all 17.8.2013 (RŠ)
<i>Mantola jurtina</i> (Linnaeus, 1758)	x	x	x	x	x	x	5,6,7,8,9	very common	
<i>Melanargia galathea</i> (Linnaeus, 1758)	x	x	x	x		x	5,6,7	very common	
<i>Minois dryas</i> (Scopoli, 1763)	x	x	x	x		x	7,8,9	common	Pliskovica, Kopriva, Skopo, Dutovlje, Vrhovlje, Sežana - Dol Leskovec all 17.8.2013 (RŠ); Veliki Dol, 13.8.2014 (RŠ)
<i>Brintesia circe</i> (Fabricius, 1775)	x	x	x	x		x	6,7,8,9	common	Pliskovica and Skopo, 29.5.2011 (RŠ)
<i>Arethusana arethusa</i> (Denis & Schiffermüller, 1775)	x	x	x	x		x	7,8,9	very common	Pliskovica, Kopriva, Skopo, Dutovlje, Vrhovlje, Sežana - Dol Leskovec all 17.8.2013 (RŠ); Veliki Dol, 13.8.2014 (RŠ)
<i>Chazara briseis</i> (Linnaeus, 1764)	x						8	EX?	Miren - Gmajna, 7.8.1976 (RŠ); Opatje selo, 19.8.1978 (RŠ); Kostanjevica na Krasi, 25.7.1981 (RŠ) - it has not been observed after that date
<i>Hipparchia semele</i> (Linnaeus, 1758)	x	x	x	x		x	6,7,8,9,10	very common	Pliskovica, Kopriva, Skopo, Dutovlje, Vrhovlje all 17.8.2013 (RŠ)
<i>Hipparchia fagi</i> (Scopoli, 1763)	x	x	x	x		x	6,7,8,9	very common	
<i>Argynnis paphia</i> (Linnaeus, 1758)	x	x	x	x		x	6,7,8,9	common	
<i>Argynnis aglaja</i> (Linnaeus, 1758)	x	x	x	x		x	6,7,8	common	
<i>Argynnis adippe</i> (Denis & Schiffermüller, 1775)	x	x	x	x		x	6,7,8	common	

<i>Argynnis niobe</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	5,6,7,8	common	
<i>Issoria lathonia</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	3,4,5,6,7,8,9	not common	
<i>Brenthis daphne</i> (Bergsträsser, 1780)	x	x	x	x	x	x	x	5,6,7	very common	
<i>Brenthis hecate</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	5,6,7	very common	
<i>Boloria euphrosyne</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	4,5,6	rare	Škrbina, 24.4.1994 (RŠ); Klariči, 31.5.1998 (RŠ); Zagrajec, 1.6.2003 (RŠ); Štorje, 6.5.2015 (RŠ&MZ)
<i>Boloria dia</i> (Linnaeus, 1767)	x	x	x	x	x	x	x	4,5,6,8,9	common	
<i>Limnitis camilla</i> (Linnaeus, 1764)	x	x	x	x	x	x	x	7	very rare	Klariči, 14.7.1992 (RŠ)
<i>Limnitis reducta</i> Staudinger, 1901	x	x	x	x	x	x	x	5,6,7,8,9,10,11	not common	Vrhovlje, 6.6.2014 (RŠ)
<i>Neptis rivularis</i> (Scopoli, 1763)	x	x	x	x	x	x	x	8	very rare	Klariči, 28.8.1993 (RŠ)
<i>Nymphalis antiopa</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	5	very rare	Kostanjevica na Krasi, 19.5.1991 (RŠ)
<i>Nymphalis polychloros</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	2,3,4,6	not common	
<i>Aglais urticae</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	3,4,5,6	not common	
<i>Aglais io</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	3,4,5,6,8,9	not common	
<i>Vanessa atalanta</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	1 - 12	not common	
<i>Vanessa cardui</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	4,5,6,7,8,9,10	common	
<i>Polygonia egea</i> (Cramer, 1775)	x	x	x	x	x	x	x	6,8	very rare	Kostanjevica na Krasi, 9.8.1987 (RŠ); Klariči, 30.6.1988 (RŠ); Klariči, 28.8.1993 (RŠ); Brestovica, 28.6.1995 (RŠ)
<i>Polygonia c-album</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	3,4,5,6,7	not common	
<i>Melitaea cinxia</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	5,6	very common	
<i>Melitaea diamina</i> (Lang, 1789)	x	x	x	x	x	x	x	6	very rare	Sežana - Dol Leskovec, 14.6.1986 (RŠ); Lipa na Krasi, 30.6.1990 (RŠ)

<i>Melittaea phoebe</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	x	x	5,6,7,8	very common	
<i>Melittaea didyma</i> (Esper, 1778)	x	x	x	x	x	x	x	x	x	5,6,7,8	very common	
<i>Melittaea trivita</i> (Denis & Schiffermüller, 1775)	x	x	x							6,7,8	rare	Kobjeglava, 5.8.1988 (RŠ); Kostanjevica na Krasi, 16.8.1989 (RŠ); Trstelj, 19.5.1991 (RŠ)
<i>Melittaea athalia</i> (Rottemburg, 1775)	x	x	x	x	x	x	x	x	x	5,6,7,8	very common	
<i>Melittaea aurelia</i> Nickerl, 1850	x	x	x	x	x	x	x	x	x	5,6,7,8	common	
<i>Melittaea britomartis</i> Assmann, 1847	x	x	x	x	x	x	x	x	x	5,6,7	not common	
<i>Euphydryas aurinia</i> (Rottemburg, 1775)	x	x	x	x	x	x	x	x	x	5,6	very common	Opatje Selo, 14.5.1989 (RŠ); Durovclje, 21.6.1991 (RŠ); Kobjeglava, 26.5.2000 (RŠ); Vrhovclje, 8.6.2004 (RŠ); Krajna vas, 21.5.2014 (RŠ)
DREPANIDAE (9)												
<i>Thyatira batis</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	x	4,5,6,7,8,9,10	not common	
<i>Habrosyne pyritoides</i> (Hufnagel, 1766)	x	x	x	x						5,8,9	rare	Lipa na Krasi, 12.5.2006 (RŠ&MZ); Temnica, 11.8.2008 (RŠ&MZ); Kazlje, 19.5.2015 (RŠ&MZ)
<i>Tethea or</i> (Denis & Schiffermüller, 1775)	x	x	x							4,5,6,7	rare	Durovclje, 16.5.1994 (RŠ&MZ); Vojšclca, 11.7.1994 (RŠ); Kobjeglava - Zavodi, 8.5.2001 (RŠ&MZ)
<i>Cymatophorina diluta</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	x	x	9,10,11	very common	
<i>Polyplocia ridens</i> (Fabricius, 1787)	x	x	x	x	x	x	x	x	x	3,4,5	common	
<i>Asphalia ruficollis</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	x	x	3,4	very common	
<i>Watsonalla binaria</i> (Hufnagel, 1767)	x	x	x	x	x	x	x	x	x	4,5,6,7,8,9	common	
<i>Watsonalla cultraria</i> (Fabricius, 1775)	x	x	x	x	x	x	x	x	x	5,7,9	rare	Lipa na Krasi, 10.7.1998 (RŠ); Podbreže, 1.5.2013 (RŠ&MZ); Podbreže, 12.7.2013 (RŠ&MZ); Skopo, 7.9.2013 (RŠ)
<i>Cilix glaucata</i> (Scopoli, 1763)	x	x	x	x	x	x	x	x	x	3,4,5,6,7,9	rare	Kobjeglava, 7.9.1995 (RŠ&MZ); Skopo, 28.3.2012 (RŠ&MZ); Jirmanec, 14.6.2013 (RŠ&MZ)

LASIOCAMPIDAE (14)													
<i>Pocilocampa populi</i> (Linnaeus, 1758)	x	x	x	x	x	10,11,12	common	Kazljje, 31.10.2011 (RŠ&MZ) - the earliest date					
<i>Trichiura crataegi</i> (Linnaeus, 1758)	x	x	x	x	x	9,10	not common						
<i>Eriogaster lanestris</i> (Linnaeus, 1758)	x	x				3,4	very rare	Vojščica, 2.5.2004 (RŠ); Gorjansko, 2.5.2004 (RŠ) - larvae on <i>Crataegus</i> spp.					
<i>Eriogaster rimicola</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	10,11	rare	Brije pri Komnu, 18.10.1995 (RŠ); Dutovlje, 29.10.1995 (RŠ&MZ); Kazljje, 31.10.2011 (RŠ&MZ); Ivanji Grad, 9.11.2012 (RŠ)					
<i>Eriogaster catta</i> (Linnaeus, 1758)	x	x	x			10,11	rare	Opatje selo, 1.11.1993 (RŠ); Dutovlje, 29.10.1995 (RŠ&MZ); Komen, 9.11.1996 e. l. (RŠ)					
<i>Malacosoma neustria</i> (Linnaeus, 1758)	x	x	x			6,7	rare	Lipa na Krasu, 10.7.1998 (RŠ); Ponikve, 29.6.2013 (RŠ&MZ&CM)					
<i>Malacosoma castrensis</i> (Linnaeus, 1758)	x	x	x	x	x	6,7	not common						
<i>Lasiocampa trifolii</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	8,9,10	very common						
<i>Lasiocampa quercus</i> (Linnaeus, 1758)	x	x	x	x	x	7,8	rare						
<i>Macrothylacia rubi</i> (Linnaeus, 1758)	x	x	x	x	x	4,5	not common						
<i>Dendrolimus pini</i> (Linnaeus, 1758)	x	x	x	x	x	5,6,7,8,9	not common	Jirmanec, 5.9.2013 (RŠ&MZ) - the latest date					
<i>Phylodesma tremulifolia</i> (Hübner, 1810)	x	x	x	x	x	3,4,5,6	common						
<i>Gastropacha quercifolia</i> (Linnaeus, 1758)	x	x	x			6,7,8,9	rare	Kostanjevica na Krasu, 19.7.1988 (RŠ&MZ); Opatje selo, 17.7.1993 (MZ); Trstelj, 16.7.2010 (RŠ); Kopriva, 18.7.2012 (RŠ)					
<i>Odonestis pruni</i> (Linnaeus, 1758)	x	x	x	x	x	5,6,7,8,9	not common	Opatje selo, 1.7.1989 (RŠ&MZ); Trstelj, 14.6.1991 (RŠ&MZ); Jirmanec, 5.9.2013 (RŠ&MZ); Kopriva, 6.7.2014 (RŠ&CM)					
BRAHMAEIDAE (1)													
<i>Lemontia taraxaci</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	9,10	not common	Kostanjevica na Krasu, 24.9.1993 (RŠ); Vojščica, 11.10.1996 (RŠ); Kazljje, 17.9.2011 (RŠ&MZ); Kopriva, 18.9.2014 (RŠ&MZ&CM)					

ENDROMIDAE (1)										
<i>Endromis versicolora</i> (Linnaeus, 1758)	x	x	x	x	x	x	3,4		not common	
SATURNIIDAE (5)										
<i>Aglaia tau</i> (Linnaeus, 1758)		x	x	x	x	x	4,5		rare	Kobjeglava, 19.5.1987 (RŠ&MZ); Brije pri Komnu, 30.4.2003 (RŠ&MZ); Povir, 28.4.2012 (RŠ&MZ); Jimanec, 8.5.2015 (RŠ&MZ&BZ&SG)
<i>Saturnia pyri</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	4,5,6		not common	
<i>Saturnia pavoniella</i> (Scopoli, 1763)	x	x	x	x	x	x	3,4		not common	
<i>Saturnia caecigena</i> Kupido, 1825	x	x	x	x	x	x	9,10		not common	Kazlje, 17.9.2011 (RŠ&MZ) - the earliest date, larvae on <i>Quercus petraea</i>
<i>Antheraea yamamai</i> (Guérin-Méneville, 1861)	x	x	x	x	x	x	7,8		not common	
SPHINGIDAE (14)										
<i>Marumba quercus</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	6,7,8		common	Novelo, 9.7.2002 (RŠ&MZ); Gorjansko - Podklaneč, 3.7.2009 (RŠ&MZ); Jimanec, 4.6.2011 (RŠ&MZ); Kopriva, 27.6.2012 (RŠ)
<i>Mimas tiliae</i> (Linnaeus, 1758)	x	x	x	x	x	x	4,5,6,7,8		not common	
<i>Smerinthus ocellata</i> (Linnaeus, 1758)	x						5		very rare	Opatje selo, 6.6.1987 (RŠ&MZ)
<i>Agrius convolvuli</i> (Linnaeus, 1758)	x	x	x	x	x	x	8,9,10		not common	
<i>Acherontia atropos</i> (Linnaeus, 1758)	x	x					8,9,10		very rare	Vojšičica, 9.10.1995 (RŠ); Mali Dol, 26.8.2014 e. l. 22.7.2014 (MZ)
<i>Sphinx ligustri</i> Linnaeus, 1758	x	x					7,8		very rare	Opatje selo, 26.7.1989 (RŠ&MZ); Lipa na Krasu, 15.8.1994 (RŠ&MZ)
<i>Sphinx pinastri</i> Linnaeus, 1758	x	x	x	x	x	x	5,6,7		common	
<i>Hemaris tityus</i> (Linnaeus, 1758)							5		very rare	Lokev, 26.5.2012 (MZ); Podbrežje, 6.5.2015 (RŠ&MZ)

<i>Hemaris fuciformis</i> (Linnaeus, 1758)	x	x	x	5	very rare	Kostanjevica na Krasi, 19.5.1991 (RŠ); Lipa na Krasi, 14.5.2011 (RŠ); Krajna vas, 21.5.2014 (RŠ)
<i>Macroglossum stellatarum</i> (Linnaeus, 1758)	x	x	x	3,4,5,6,7,8,9,10,11	not common	
<i>Hyles euphorbiae</i> (Linnaeus, 1758)	x	x		6	rare	Trstelj, 14.6.1991 (RŠ&MZ); Lokvica, 26.8.2008 (RŠ) larvae; Miren - Gmajna, 7.9.2008 (RŠ) larvae
<i>Hyles livornica</i> (Esper, 1780)	x		x	5	very rare	Opatje selo, 6.5.1988 (RŠ&MZ); Jirmanec, 8.5.2015 (RŠ&MZ&BZ&SG)
<i>Deilephila elpenor</i> (Linnaeus, 1758)	x	x	x	5,6	very rare	Opatje selo, 10.6.1989 (RŠ&MZ); Brje pri Komnu, 22.5.1993 (RŠ&MZ); Vojščica, 12.7.1995 (RŠ&MZ); Lokev, 25.6.2010 (RŠ&MZ)
<i>Deilephila porcellus</i> (Linnaeus, 1758)	x	x	x	4,5,6,7,8	common	
GEOMETRIDAE (212)						
<i>Abraxas grossulariata</i> (Linnaeus, 1758)	x			6,7	very rare	Vojščica, 1.7.1987 (MZ)
<i>Ligdia adustata</i> (Denis & Schiffmüller, 1775)	x	x	x	3,4,5,6,7,8,9	common	
<i>Stegania trimaculata</i> (de Villers, 1789)	x	x	x	5,6,7	very rare	Vrhpolje - Sv. Tomaž, 16.6.2012 (RŠ); Jirmanec, 14.6.2013 (RŠ&MZ); Komen, 17.7.2015 (RŠ)
<i>Heliomata glarearia</i> (Denis & Schiffmüller, 1775)	x	x	x	4,5,6,7,8	common	
<i>Macaria alternata</i> (Denis & Schiffmüller, 1775)	x	x	x	4,5,6,7,8,9	common	
<i>Macaria liturata</i> (Clereh, 1759)	x	x	x	4,5,6,7,8,9	not common	
<i>Chiasmia clathrata</i> (Linnaeus, 1758)	x	x	x	4,5,6,8,9	very common	
<i>Isturgia arenacearia</i> (Denis & Schiffmüller, 1775)	x			7,8	very rare	Kostanjevica na Krasi, 25.7.1987 (RŠ&MZ); Opatje selo, 13.8.1988 (RŠ&MZ); Gorenja Brestovica, 20.7.1991 (RŠ&MZ)
<i>Gnopharmia stevenaria</i> (Boisduval, 1840)		x		5	very rare	Brje pri Komnu, 2.5.1999 (RŠ&MZ)
<i>Rhoptria asperaria</i> (Hübner, 1817)		x		9	very rare	Data in the Chapter regarding interesting species
<i>Petrophora chlorosata</i> (Scopoli, 1763)			x	5	very rare	Kobjeglava - Jelenca, 16.5.1996 (RŠ&ML)

<i>Plagodis pulveraria</i> (Linnaeus, 1758)	x	x	x	x	x	3,4,7,8	not common	Ponikve, 30.3.2014 (RŠ&MZ)
<i>Plagodis dolabraria</i> (Linnaeus, 1767)	x	x				6,7,8,9	rare	Kostanjevica na Krasu, 9.7.2002 (RŠ&MZ); Tennica, 11.8.2008 (RŠ); Trstelj, 2.9.2009 (RŠ&MZ); Trstelj, 16.7.2010 (RŠ)
<i>Opishograptis luteolata</i> (Linnaeus, 1758)	x	x	x	x	x	4,5,6,7,8,9	common	
<i>Pseudopanthera macularia</i> (Linnaeus, 1758)	x	x	x	x	x	4,5	very common	
<i>Apeira syringaria</i> (Linnaeus, 1758)	x	x	x			6,7,9	very rare	Opatje selo, 21.9.1990 (RŠ&MZ); Komen - Jazmerca, 5.6.2010 (RŠ&MZ&BZ); Kopriva, 18.9.2014 (RŠ&MZ&CM)
<i>Ennomos autumnaria</i> (Werneburg, 1859)			x			9	very rare	Kobjeglava, 7.9.1995 (RŠ&MZ); Jirmanec, 5.9.2013 (RŠ&MZ)
<i>Ennomos quercinaria</i> (Hufnagel, 1767)						6	very rare	Lokev, 25.6.2010 (RŠ&MZ&BZ)
<i>Ennomos erosaria</i> (Denis & Schiffmüller, 1775)				x		9,10	rare	Kazlje, 17.9.2011 (RŠ&MZ); Lokvev, 30.9.2011 (RŠ&MZ)
<i>Ennomos quercaria</i> (Hübner, 1813)			x			6	very rare	Ponikve, 29.6.2013 (RŠ&MZ&CM)
<i>Selenia dentaria</i> (Fabricius, 1775)	x	x	x			4,5,7,8	rare	Opatje selo, 12.5.1989 (RŠ&MZ); Gorjansko, 24.4.1994 (RŠ&MZ); Tennica, 11.8.2008 (RŠ); Krajna vas, 18.7.2014 (RŠ&MZ)
<i>Selenia lunularia</i> (Hübner, 1788)	x	x	x	x	x	3,4,5,6,7,8,9	common	
<i>Selenia tetralunaria</i> (Hufnagel, 1767)	x	x	x	x	x	3,4,5,7,8	common	
<i>Artiora evonymaria</i> (Denis & Schiffmüller, 1775)			x			7	very rare	Skopo, 28.7.2011 (RŠ)
<i>Odontoptera bidentata</i> (Clerck, 1759)			x			5	very rare	Kopriva, 15.5.2013 (RŠ&MZ); Jirmanec, 8.5.2015 (RŠ&MZ&BZ&SG)
<i>Crocallis tusciaria</i> (Borkhausen, 1793)	x	x	x	x	x	9,10,11	very common	
<i>Crocallis elinguarina</i> (Linnaeus, 1758)	x	x	x	x	x	8,9,10	common	Lipa na Krasu, 1.8.2009 (RŠ) - the earliest date



<i>Ourapteryx sambucaria</i> (Linnaeus, 1758)	x	x	x	x	x	x	6	rare	Vojšćica, 10.6.1999 (RŠ&MZ); Jirmanec, 4.6.2011 (RŠ&MZ); Kopriva, 29.6.2013 (RŠ&MZ&CM)
<i>Colotois pennaria</i> (Linnaeus, 1761)	x	x	x	x	x	x	10,11	very common	
<i>Angerona prunaria</i> (Linnaeus, 1758)	x	x	x	x	x	x	6,7,8	rare	
<i>Apocheima hispidaria</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	2,3,4	common	
<i>Phigalia pilosaria</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	2,3	very common	
<i>Lycia hirtaria</i> (Clerck, 1759)	x	x	x	x	x	x	3,4	very common	
<i>Lycia graecarius</i> (Staudinger, 1861)	x	x	x	x	x	x	2,3	rare	Data in the Chapter regarding interesting species
<i>Biston strataria</i> (Hufnagel, 1767)	x	x	x	x	x	x	2,3,4	rare	
<i>Biston betularia</i> (Linnaeus, 1758)	x	x	x	x	x	x	3,4,5,6,7,8	common	
<i>Agriopsis leucophaearia</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	1,2,3	not common	Kostanjevica na Krasi, 1.3.1995 (RŠ&MZ); Gorjansko, 26.2.1997 (RŠ&MZ); Klarići, 16.1.1998 (RŠ)
<i>Agriopsis bajaria</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	10,11,12	common	
<i>Agriopsis aurantiaria</i> (Hübner, 1799)						x	11	very rare	Kazlje, 14.11.2014 (RŠ&MZ)
<i>Agriopsis marginaria</i> (Fabricius, 1776)	x	x	x	x	x	x	2,3,4	common	
<i>Erannis defoliaria</i> (Clerck, 1759)	x	x	x	x	x	x	11,12	common	
<i>Nymphodes dalmatina</i> Wagner, 1909	x						7	very rare	Klarići, 5.7.1995 (MZ)
<i>Menophra abruptaria</i> (Thunberg, 1792)	x	x	x	x	x	x	3,4,5,6,7,8,9	not common	
<i>Synopsis sociaria</i> (Hübner, 1799)	x	x	x	x	x	x	5,6,8,9	not common	Opatje selo, 1.6.1991 (RŠ&MZ); Kobjeglava, 7.9.1995 (RŠ&MZ); Zagajec, 22.5.2009 (RŠ&MZ); Kopriva, 7.9.2013 (RŠ)
<i>Paraboarmia vierthii</i> (Bohatsch, 1883)						x	6,7	not common	Kopriva, 26.6.2011 (RŠ); Kopriva, 27.6.2012 (RŠ); Pomikve, 29.6.2013 (RŠ&MZ&CM); Kopriva, 5.7.2013 (MZ); Podbreže, 12.7.2013 (RŠ&MZ)

<i>Peribatodes rhomboidaria</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	5,6,7,8,9,10, 11	very common	Jirmanec, 4.6.2011 (RŠ&MZ); Jirmanec, 14.6.2013 (RŠ&MZ)
<i>Peribatodes secundaria</i> (Denis & Schiffermüller, 1775)					x	6	very rare	Data in the Chapter regarding interesting species
<i>Peribatodes correptaria</i> (Zeller, 1847)					x	6,9,10	rare	Jirmanec, 3.9.2015 (RŠ&MZ&CM)
<i>Selidosema plumaria</i> (Denis & Schiffermüller, 1775)					x	9	very rare	
<i>Cleora cinctaria</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	3,4,5	not common	
<i>Alcis repandata</i> (Linnaeus, 1758)	x	x	x	x		5,6	rare	Opatje selo, 1.6.1991 (RŠ&MZ); Skopo, 30.5.2011 (RŠ)
<i>Hypomecis roboraria</i> (Denis & Schiffermüller, 1775)	x			x		5,6,8,9	not common	Kostanjevica na Krasu, 16.5.1994 (RŠ&MZ); Kopriva, 30.5.2011 (RŠ); Kopriva, 7.9.2013 (RŠ); Krajna vas, 21.5.2014 (RŠ&MZ)
<i>Hypomecis punctinalis</i> (Scopoli, 1763)	x	x	x	x	x	4,5,6,7,8,10	common	Vojščiča, 11.10.1996 (RŠ)
<i>Fagivorina arenaria</i> (Hufnagel, 1767)	x	x			x	4,5,6,7,8,9	not common	Povir, 28.4.2012 (RŠ&MZ); Jirmanec, 5.9.2013 (RŠ&MZ); Brje pri Komnu, 25.4.2014 (RŠ&MZ)
<i>Ascotis selenaria</i> (Denis & Schiffermüller, 1775)	x	x			x	4,5,6,7,8	not common	
<i>Ectropis crepuscularia</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	3,4,5,6,7	not common	Kazlje, 28.3.2012 (RŠ&MZ)
<i>Ematurga atomaria</i> (Linnaeus, 1758)	x	x	x	x	x	4,5,6,7,8,9	very common	
<i>Eumannia lepraria</i> (Rebel, 1909)	x	x	x	x	x	7,8	rare	Data in the Chapter regarding interesting species
<i>Bupalus piniaria</i> (Linnaeus, 1758)	x	x	x	x	x	5,6	not common	
<i>Cabera pusaria</i> (Linnaeus, 1758)	x	x	x	x	x	4,5,6,7,8	not common	
<i>Lomographa bimaculata</i> (Fabricius, 1775)	x	x	x	x	x	4,7,9	very rare	Brje pri Komnu, 30.4.2003 (RŠ&MZ); Trstelj, 16.7.2010 (RŠ); Skopo, 3.9.2011 (RŠ)
<i>Lomographa temerata</i> (Denis & Schiffermüller, 1775)	x	x	x	x		4,5,6,7	rare	
<i>Theria rupicaprararia</i> (Denis & Schiffermüller, 1775)	x	x	x	x		2,3	common	

<i>Campaea margaritaria</i> (Linnaeus, 1761)	x	x	x	x	x	x	x	5,6,7,8,9,10	very common	Jirmanec, 4.6.2011 (RŠ&MZ); Komen, 24.9.2013 (RŠ&MZ)
<i>Pungeleria capreolaria</i> (Denis & Schiffermüller, 1775)	x							6,9	very rare	Trstelj, 2.9.2009 (RŠ&MZ); Skopo, 28.7.2011 (RŠ)
<i>Gnophos furvata</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	7,8,9	not common	Jirmanec, 19.8.2011 (RŠ&MZ); Jirmanec, 28.7.2012 (RŠ&MZ); Jirmanec, 5.9.2013 (RŠ&MZ)
<i>Charissa obscurata</i> (Denis & Schiffermüller, 1775)								7,8,9	rare	Dutovlje, 16.5.1994 (RŠ&MZ); Klariči, 9.10.1995 (RŠ); Komen, 29.9.2010 (RŠ); Podbreže, 28.5.2013 (RŠ&MZ); Jirmanec, 5.9.2013 (RŠ&MZ)
<i>Dyscia raunaria</i> (Freyer, 1851)	x	x	x	x	x	x	x	5,6,9,10	not common	Opatje selo, 7.1.2007 (RŠ)
<i>Alsophila aescularia</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	1,2,3,4	very common	Klariči, 29.12.1994 (RŠ); Klariči, 22.1.1995 (RŠ&MZ); Opatje selo, 7.1.2007 (RŠ)
<i>Alsophila aceraria</i> (Denis & Schiffermüller, 1775)	x	x						1,12	not common	
<i>Pseudoterpna pruinata</i> (Hufnagel, 1767)	x	x	x	x	x	x	x	5,6,7,8,9,10	not common	
<i>Geometra papilionaria</i> Linnaeus, 1758	x							6,7	very rare	Temnica, 25.7.1987 (RŠ&MZ); Kopriva, 10.6.2011 (RŠ)
<i>Comibaena bajularia</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	5,6	rare	Komen - Jažmerca, 5.6.2010 (RŠ&MZ&BZ); Kopriva, 22.5.2011 (RŠ); Jirmanec, 14.6.2013 (RŠ&MZ)
<i>Thetidia smaragdaria</i> (Fabricius, 1787)	x	x	x	x	x	x	x	6,7,8	rare	Kostanjevica na Krasi, 11.7.1987 (RŠ&MZ); Opatje selo, 23.8.1987 (RŠ&MZ); Temnica, 11.8.2008 (RŠ)
<i>Hemithea aestivaria</i> (Hübner, 1789)	x							5,6	rare	Kostanjevica na Krasi, 11.6.1988 (RŠ&MZ); Kopriva, 15.6.2012 (RŠ)
<i>Phaiogramma etruscaria</i> (Zeller, 1849)								6	very rare	Vrhoplje - Sv. Tomaž, 16.6.2012 (RŠ); Kopriva, 29.6.2013 (RŠ&MZ&CM)
<i>Thalera fimbrialis</i> (Scopoli, 1763)	x	x	x					6,7	rare	Gorjansko - Podklanec, 3.7.2009 (RŠ&MZ); Ponikve, 29.6.2013 (RŠ&MZ&CM)

<i>Hemistola chrysoprasaria</i> (Esper, 1795)	x	x	x	x	x	5,6,7,8,9	rare	Gorenja Brestovica, 20.7.1991 (RŠ&MZ); Skopo, 20.8.2011 (RŠ); Kopriva, 6.7.2014 (RŠ&CM)
<i>Emmiltis pygmaearia</i> (Hübner, 1809)	x	x	x			5,6,8,9	rare	Vojščiča, 4.6.2003 (RŠ&MZ); Pliskovica, 10.8.2010 (RŠ); Kobjeglava - Jelenca, 22.5.2011 (RŠ); Klariči, 13.9.2015 (RŠ)
<i>Idaea ochrata</i> (Scopoli, 1763)	x	x	x	x	x	6,7,8	not common	
<i>Idaea aureolaria</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	5,6,7	very common	
<i>Idaea rusticata</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	5,6,7,8,9	common	
<i>Idaea filicata</i> (Hübner, 1799)	x	x	x	x	x	5,6,7,8,9	common	
<i>Idaea moniliata</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	7,8	not common	
<i>Idaea humiliata</i> (Hufnagel, 1767)			x	x	x	6,7	common	
<i>Idaea seriata</i> (Schrank, 1802)	x	x	x			5,6,8,9,10,11	rare	
<i>Idaea dilutaria</i> (Hübner, 1799)	x	x	x	x	x	6,7	very common	
<i>Idaea subsericeata</i> (Haworth, 1809)	x	x	x	x	x	4,5,6,8,9	common	
<i>Idaea trigeminata</i> (Haworth, 1809)	x	x	x	x	x	5,6,7	rare	
<i>Idaea aversata</i> (Linnaeus, 1758)	x	x	x	x	x	5,6,7,8,9	very common	
<i>Idaea rubraria</i> (Staudinger, 1871)	x	x	x	x	x	7,8,9	common	
<i>Idaea degeneraria</i> (Hübner, 1799)	x	x	x	x	x	5,6,7,9,10	very common	
<i>Idaea straminata</i> (Borkhausen, 1794)	x	x	x	x	x	5,6,7,8,9	common	
<i>Idaea deversaria</i> (Herrich-Schäffer, 1847)	x	x	x	x	x	5,6,7,8,9	very common	
<i>Scopula immorata</i> (Linnaeus, 1758)	x	x	x		x	5,7,8	not common	Tennica, 11.8.2008 (RŠ); Lipa na Krasu, 14.5.2011 (RŠ); Kopriva, 18.7.2012 (RŠ)
<i>Scopula nigropunctata</i> (Hufnagel, 1767)	x	x	x			5,6,7,8,9	rare	Klariči, 11.9.1994 (MZ); Kobjeglava - Jelenca, 16.5.1996 (RŠ&ML); Lipa na Krasu, 12.5.2006 (RŠ&MZ)

<i>Scopula virgulata</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	x	6,7,8,9	not common	
<i>Scopula ornata</i> (Scopoli, 1763)	x	x	x	x	x	x	x	x	4,5,6,7,8,9	common	
<i>Scopula submutata</i> (Tretschke, 1828)	x	x	x	x	x	x	x	x	6,7,8,9	rare	
<i>Scopula decorata</i> (Denis & Schiffermüller, 1775)	x	x							8,9	rare	Gorjansko, 15.8.2005 (RŠ); Lokvica - Medvejšče, 2.9.2006 (RŠ)
<i>Scopula rubiginata</i> (Hufnagel, 1767)	x	x	x	x	x	x	x	x	5,6,7,8,9	not common	
<i>Scopula marginipunctata</i> (Goeze, 1781)	x	x	x	x	x	x	x	x	4,5,6,7,8,9,10	not common	Lokvica, 8.10.2009 (RŠ)
<i>Scopula incanata</i> (Linnaeus, 1758)	x	x							6,8,9	rare	Klariči, 11.9.1994 (MZ); Kostanjevica na Krasi, 19.6.1995 (RŠ); Jirmanec, 5.9.2013 (RŠ&MZ)
<i>Scopula imitaria</i> (Hübner, 1799)	x	x	x	x	x	x	x	x	6,7,8,9,10	rare	Klariči, 2.10.1995 (RŠ); Zagrajec, 10.9.2010 (RŠ&MZ&JD); Skopo, 10.6.2011 (RŠ)
<i>Scopula immutata</i> (Linnaeus, 1758)	x	x							6,9	very rare	Gorjansko, 11.9.1996 (MZ); Povir, 29.6.2015 (RŠ&MZ)
<i>Rhodostrophia vibicaria</i> (Clerck, 1759)	x	x	x	x	x	x	x	x	6,7,8	not common	
<i>Rhodostrophia calabra</i> (Petagna, 1786)	x	x	x	x	x	x	x	x	5,6,7	not common	
<i>Timandra comae</i> Schmidt, 1931	x	x	x	x	x	x	x	x	4,5,6,7,8,9,10	not common	Brje pri Komnu, 25.4.2014 (RŠ&MZ); Kobjeglava - Jelencea, 25.10.2013 (RŠ&MZ) - the earliest and the latest date
<i>Cyclophora albicollaria</i> (Hübner, 1789)									9	very rare	Jirmanec, 3.9.2015 (RŠ&MZ&CM)
<i>Cyclophora annularia</i> (Fabricius, 1775)	x	x	x	x	x	x	x	x	5,6,7,8,9	rare	Opatje selo, 26.7.1989 (RŠ&MZ); Kobjeglava, 19.5.1997 (RŠ&MZ); Komen, 19.5.2011 (RŠ&MZ); Kopriva, 26.6.2011 (RŠ)
<i>Cyclophora puppillaria</i> (Hübner, 1799)	x	x	x	x	x	x	x	x	5,6,7,8,9	rare	Trstelj, 16.7.2010 (RŠ); Jirmanec, 19.8.2011 (RŠ&MZ); Podbreže, 1.5.2013 (RŠ&MZ); Kopriva, 18.9.2014 (RŠ&MZ&CM)
<i>Cyclophora ruficiliaria</i> (Herrich-Schäffer, 1855)	x	x	x	x	x	x	x	x	4,5,9	rare	Opatje selo, 5.5.1990 (RŠ&MZ); Kobjeglava, 26.4.1997 (RŠ&MZ); Povir, 28.4.2012 (RŠ&MZ); Brje pri Komnu, 25.4.2014 (RŠ&MZ)

<i>Cyclophora porata</i> (Linnaeus, 1767)	x	x	x	x	x	4,5,7,8,9	rare	Vojštica, 24.4.1994 (RŠ&MZ); Trstelj, 6.8.2009 (RŠ); Zagrajec, 10.9.2010 (RŠ&MZ&JD); Komen - Jazmerca, 18.9.2012 (RŠ&MZ)
<i>Cyclophora quercimontaria</i> (Bastelberger, 1897)	x	x	x	x	x	5,6,7,8,9	very rare	Trstelj, 6.8.2009 (RŠ); Zagrajec, 10.9.2010 (RŠ&MZ&JD); Jirmanec, 19.8.2011 (RŠ&MZ)
<i>Cyclophora punctaria</i> (Linnaeus, 1758)	x	x	x	x	x	5,6,7,8,9	rare	Trstelj, 2.9.2009 (RŠ&MZ); Lokev, 4.9.2010 (RŠ&MZ&BZ); Klariči, 27.9.2013 (RŠ&MZ); Kopriva, 6.7.2014 (RŠ&CM)
<i>Cyclophora suppunctaria</i> (Zeller, 1847)					x	8	very rare	Povir, 22.8.2005 (MZ)
<i>Cyclophora linearia</i> (Hübner, 1799)	x	x	x			5,6,7,8	rare	Lipa na Krasu, 10.7.1998 (RŠ); Trstelj - Vrtoška, 23.7.2009 (RŠ&MZ&TL); Jirmanec, 14.6.2013 (RŠ&MZ)
<i>Rhodometra sacrararia</i> (Linnaeus, 1767)	x	x	x			7,8,9,10,11	not common	Lokvica, 4.11.1996 (RŠ); Kobjeglava - Jelenca, 8.10.2008 (RŠ); Šmarje pri Sežani, 28.7.2011 (RŠ)
<i>Phibalapteryx virgata</i> (Hufnagel, 1767)	x	x	x			8,9	not common	Divjača, 15.9.2000 (RŠ&MZ); Jirmanec, 19.8.2011 (RŠ&MZ); Komen, 24.9.2013 (RŠ&MZ)
<i>Cataclysmes rigata</i> (Hübner, 1813)	x	x	x			4,5,6,7,8,9	common	
<i>Scotopteryx coarctaria</i> (Denis & Schiffermüller, 1775)	x	x	x			5,6	very common	
<i>Scotopteryx luridata</i> (Hufnagel, 1767)	x	x	x			5,6,7,8,9	very common	55 specimens of <i>S. luridata</i> from 18 locations were confirmed with the inspection of genital structures; <i>S. mucronata</i> has not been detected
<i>Scotopteryx bipunctaria</i> (Denis & Schiffermüller, 1775)						7	not common	Sežana - Dol Leskovec, 10.7.2005; Vrhpolje - Sv. Tomaž, 8.7.2011 (RŠ)
<i>Scotopteryx moeniata</i> (Scopoli, 1763)						7,8	rare	Jirmanec, 19.8.2011 (RŠ&MZ); Jirmanec, 28.7.2012 (RŠ&MZ)
<i>Orthonama obstipata</i> (Fabricius, 1794)	x	x	x			8,9,10,11,12	rare	Kobjeglava, 15.11.1995 (RŠ); Lokvica, 4.11.1996 (RŠ); Gorjansko, 5.11.1996 (MZ); Kopriva, 18.9.2014 (RŠ&MZ&CM)

<i>Xanthorhoe fluctuata</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	4,5,6,7,9	common	
<i>Xanthorhoe ferrugata</i> (Clerck, 1759)	x	x	x	x	x			4,7,9	rare	
<i>Catarhoe cuculata</i> (Hufnagel, 1767)	x	x	x	x	x	x	x	3,4,5,6,8,9	common	Brestovica, 26.3.1999 (RŠ&SG) - the earliest date
<i>Catarhoe rubidata</i> (Denis & Schiffmüller, 1775)						x		6	very rare	Jirmanec, 4.6.2011 (RŠ&MZ)
<i>Campogramma bilineata</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	5,6,7,8,9,10	common	
<i>Campogramma scripturata</i> (Hübner, 1799)						x		6,7	rare	Skopo, 26.6.2011 (RŠ); Jirmanec, 28.7.2012 (RŠ&MZ); Jirmanec, 14.6.2013 (RŠ&MZ)
<i>Epirrhoe alternata</i> (Müller, 1764)	x	x	x	x	x	x	x	4,5,6,7,9	common	
<i>Epirrhoe rivata</i> (Hübner, 1813)						x		5,7	very rare	Krajna vas, 18.7.2014 (RŠ&MZ); Jirmanec, 8.5.2015 (RŠ&MZ&BZ&SG)
<i>Epirrhoe galiata</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	5,6,7,8,9	common	
<i>Euphyia biangulata</i> (Haworth, 1809)								7,8,9	very rare	Lokev, 4.9.2010 (RŠ&MZ&BZ); Jirmanec, 19.8.2011 (RŠ&MZ); Jirmanec, 28.7.2012 (RŠ&MZ)
<i>Euphyia adumbraria</i> (Herrich-Schäffer, 1852)	x	x	x	x	x	x	x	5,6,7,8,9	rare	Tennica, 1.8.2009 (RŠ); Skopo, 30.5.2011 (RŠ); Kopriva, 3.9.2011 (RŠ); Pomikve, 29.6.2013 (RŠ&MZ&CM)
<i>Earophila badiata</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	3,4	common	
<i>Anticlea derivata</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x			4,5	very rare	Opatje selo, 7.4.1989 (RŠ&MZ); Kobjeglava - Jelena, 16.5.1996 (RŠ&ML); Lupa na Krasu, 9.4.2011 (RŠ); Pomikve, 30.3.2014 (RŠ&MZ)
<i>Pelurga comitata</i> (Linnaeus, 1758)	x							9	very rare	Klariči, 26.9.1995 (RŠ)
<i>Pennithera firmata</i> (Hübner, 1822)	x	x	x	x	x			10,11	not common	
<i>Thera variata</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	4,5,6,7,9,10	very common	
<i>Thera vetustata</i> (Denis & Schiffmüller, 1775)								10	very rare	Jirmanec, 19.10.2013 (RŠ&MZ)
<i>Thera juniperata</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	10,11	very common	

<i>Cidaria fulvata</i> (Forster, 1771)	x	x	x	x	x	x	x	x	x	6	very rare	Lokev, 25.6.2010 (RŠ&MZ); Jirmanec, 4.6.2011 (RŠ&MZ); Vripolje - Sv. Tomaž, 16.6.2012 (RŠ); Jirmanec, 9.6.2013 (RŠ&MZ)
<i>Cosmorhoe ocellata</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	x	4,5,6,8,9	not common	
<i>Chlorochysta siterata</i> (Hufnagel, 1767)	x	x	x	x	x	x	x	x	x	3,4,5,6,9,10,11	very common	
<i>Colostygia olivata</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	x	x	8,9,10	not common	
<i>Colostygia pectinataria</i> (Knoch, 1781)	x	x	x	x	x	x	x	x	x	5,6	not common	
<i>Colostygia sericeata</i> (Schwingsenschuss, 1926)	x	x	x	x	x	x	x	x	x	11	rare	Data in the Chapter regarding interesting species
<i>Coenotephria salicata</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	x	x	5,6,8,9	very common	
<i>Coenotephria ablutaria</i> (Boisduval, 1840)	x	x	x	x	x	x	x	x	x	3,4,9,10	very common	
<i>Operophtera brunata</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	x	11,12,1	very common	Klariči, 16.1.1998 (RŠ); Trstelj, 7.1.2007 (RŠ)
<i>Epirrita dilutata</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	x	x	10,11,12	very common	
<i>Minoa murinata</i> (Scopoli, 1763)	x	x	x	x	x	x	x	x	x	5,6	common	
<i>Asthena albulata</i> (Hufnagel, 1767)	x	x	x	x	x	x	x	x	x	4,5,6,7,8,9	not common	
<i>Euchoeca nebulata</i> (Scopoli, 1763)	x	x	x	x	x	x	x	x	x	6	very rare	Lokev, 25.6.2010 (RŠ&MZ&BZ)
<i>Hydrelia flammeolaria</i> (Hufnagel, 1767)	x	x	x	x	x	x	x	x	x	6	very rare	Jirmanec, 9.6.2013 (MZ)
<i>Philereme vetulata</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	x	x	5,6,7	common	
<i>Philereme transversata</i> (Hufnagel, 1767)	x	x	x	x	x	x	x	x	x	6,7	rare	Lipa na Krasu, 18.7.1995 (RŠ&MZ); Skopo, 10.6.2011 (RŠ); Podbreže, 12.7.2013 (RŠ&MZ); Klariči, 18.6.2014 (RŠ)
<i>Hydria cervinalis</i> (Scopoli, 1763)	x	x	x	x	x	x	x	x	x	4,5	common	Lokvica - Segeti, 11.4.2007 (RŠ&MZ&BZ&SG); Podbreže, 1.5.2013 (RŠ&MZ); Grahovo Brdo, 21.3.2014 (RŠ); Brije pri Komnu, 25.4.2014 (RŠ&MZ)



<i>Triphosa dubitata</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	3,4,5,6,7,10	not common	Jirmanec, 19.10.2013 (RŠ&MZ) - the latest date
<i>Pareutype berberata</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	x	4,5,6,8,9	not common	
<i>Horisme vitalbata</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	x	3,4,5,6,7,8,9	not common	
<i>Horisme tersata</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	x	5,6,7,8	not common	Opatje selo, 6.6.1987 (RŠ&MZ); Dutovlje, 9.8.1994 (RŠ); Jirmanec, 28.7.2012 (RŠ&MZ) - all inspection of the genital structures (RŠ)
<i>Horisme radicularia</i> (de La Harpe, 1855)	x	x	x	x	x	x	x	x	5,6,7,8,9	not common	Dutovlje, 9.8.1994 (RŠ); Zagrajec, 10.9.2010 (RŠ&MZ&JD); Kobjeglava - Jelena, 9.5.2012 (RŠ&MZ); Jirmanec, 14.6.2013 (RŠ&MZ) - all inspection of the genital structures (RŠ)
<i>Horisme calligraphata</i> (Herrich-Schäffer, 1838)								x	6,9	rare	Lokev, 25.6.2010 (RŠ&MZ&BZ); Jirmanec, 4.6.2011 (RŠ&MZ); Vrhpolje - Sv. Tomaž, 1.6.2012 (RŠ); Jirmanec, 5.9.2013 (RŠ&MZ)
<i>Melanthia procellata</i> (Denis & Schiffermüller, 1775)	x								5,6	very rare	Opatje selo, 11.6.1988 (RŠ&MZ); Kostanjevica na Krasu, 22.5.1993 (RŠ&MZ)
<i>Schistostege decussata</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	x	5,6	very common	Kostanjevica na Krasu, 19.6.1995 (RŠ); Štanjel, 1.6.1996 (MZ); Kobjeglava, 20.5.2007 (RŠ); Vrhovlje, 6.6.2014 (RŠ)
<i>Aplocera plagiata</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	5,6,7,9,10	rare	Lipa na Krasu, 4.10.1996 (MZ); Kostanjevica na Krasu, 21.7.2001 (RŠ&BZ); Kobjeglava, 20.5.2007 (RŠ); Jirmanec, 5.9.2013 (RŠ&MZ)
<i>Chesias rufata</i> (Fabricius, 1775)								x	4	very rare	Komen, 23.4.1996 (MZ&TL)
<i>Lobophora halterata</i> (Hufnagel, 1767)									5	very rare	Podbreže, 1.5.2013 (RŠ&MZ); Jirmanec, 8.5.2015 (RŠ&MZ&BZ&SG)
<i>Acasis viretata</i> (Hübner, 1799)	x	x	x						5,6,8	very rare	Kobjeglava - Jelena, 13.5.1997 (RŠ&MZ&SG); Trstelj, 1.8.2009 (RŠ); Jirmanec, 8.5.2015 (RŠ&MZ&BZ&SG)
<i>Mesotype parallelolineata</i> (Retzius, 1783)									9,10	very rare	Lokev, 30.9.2011 (RŠ&MZ); Povir, 11.10.2013 (RŠ&MZ)

<i>Perizoma hydrata</i> (Treitschke, 1829)	x	x	x	x	x	5,6	rare	Komen, 19.5.2011 (RŠ&MZ); Kopriva, 30.5.2011 (RŠ); Kobjeglava - Jelenca, 9.5.2012 (RŠ&MZ); Jirmanec, 14.6.2013 (RŠ&MZ)
<i>Perizoma albulata</i> (Denis & Schiffermüller, 1775)					x	5,8	rare	Gorjansko, 20.5.2009 (MZ); Jirmanec, 19.8.2011 (RŠ&MZ)
<i>Gymnoscelis ruffifasciata</i> (Haworth, 1809)	x	x	x	x	x	4,5,6,7,8,9,10	not common	Vojšičica, 31.3.1994 (RŠ&MZ); Klariči, 7.10.2014 (RŠ&MZ)
<i>Chloroclystis v-ata</i> (Haworth, 1809)	x	x	x	x	x	3,4,5,6,7	rare	
<i>Pasiphila rectangularata</i> (Linnaeus, 1758)	x				x	5,6	very rare	Opatje selo, 27.5.1988 (RŠ&MZ); Jirmanec, 4.6.2011 (RŠ&MZ)
<i>Pasiphila chloerata</i> (Mabille, 1870)	x					5	very rare	Opatje selo, 5.5.1990 (RŠ&MZ)
<i>Eupithecia haworthiata</i> Doubleday, 1856	x	x	x	x	x	5,6	not common	Vojšičica, 10.6.1999 (RŠ&MZ); Zagrajec, 22.5.2009 (RŠ&MZ); Ponikve, 12.6.2013 (RŠ); Jirmanec, 14.6.2013 (RŠ&MZ)
<i>Eupithecia tenuiata</i> (Hübner, 1813)				x	x	4,7	very rare	Jirmanec, 28.7.2012 (RŠ&MZ) - inspection of the genital structures (RŠ); Gorjansko - Podklanec, 3.7.2009 (RŠ&MZ); Gorjansko, 29.4.2004 (MZ)
<i>Eupithecia inturbata</i> (Hübner, 1817)					x	7	very rare	Jirmanec, 28.7.2012 (RŠ&MZ) - inspection of the genital structures (RŠ)
<i>Eupithecia abietaria</i> (Goeze, 1781)					x	6	rare	Jirmanec, 4.6.2011 (RŠ&MZ)
<i>Eupithecia linariata</i> (Denis & Schiffermüller, 1775)				x		8	very rare	Lipa na Krasu, 1.8.2009 (RŠ)
<i>Eupithecia plumbeolata</i> (Haworth, 1809)					x	6	very rare	Skopo, 10.6.2011 (RŠ)
<i>Eupithecia venosata</i> (Fabricius, 1787)				x	x	5	very rare	Kobjeglava, 19.5.1987 (RŠ&MZ)
<i>Eupithecia schiefereri</i> Bohatsch, 1893				x	x	5,6	very rare	Data in the Chapter regarding interesting species
<i>Eupithecia allitaria</i> Staudinger, 1870	x	x	x			7,8	rare	Jirmanec, 28.7.2012 (RŠ&MZ); Temnica, 11.8.2012 (RŠ&MZ); Kopriva, 15.5.2013 (RŠ&MZ)
<i>Eupithecia abbreviata</i> Stephens, 1831	x				x	3,4,5	rare	Klariči, 19.3.1995 (RŠ&MZ); Krvavi Potok, 18.4.2013 (RŠ&BZ&SG)

<i>Eupithecia dodoneata</i> Guenée, 1858	x	x	x	x	x	x	x	4,5	very common	
<i>Eupithecia pusillata</i> (Denis & Schiffermüller, 1775)	x	x	x					8,9	very common	
<i>Eupithecia ericeata</i> (Rambur, 1833)	x	x	x	x	x	x	x	8,9,10	very common	
<i>Eupithecia tamillaria</i> Boisduval, 1840		x	x	x	x			4,5	rare	Kobjeglava - Jelenca, 17.5.2004 (RŠ&MZ&BZ) - inspection of the genital structures (RŠ); Podbrežje, 1.5.2013 (RŠ&MZ)
<i>Eupithecia selinata</i> Herrich-Schäffer, 1861					x			6	very rare	Komen - Jažmerca, 5.6.2010 (RŠ&MZ&BZ)
<i>Eupithecia egenaria</i> Herrich-Schäffer, 1848				x				4	very rare	Brje pri Komnu, 25.4.2014 (RŠ&MZ)
<i>Eupithecia ochridata</i> Schütze & Pinker, 1968				x				4	very rare	Gorjansko, 1.4.2009 e. 1. (MZ) on <i>Quercus petraea</i>
<i>Eupithecia gemellata</i> Herrich-Schäffer, 1861	x	x	x					5,6,9	rare	Lipa na Krasu, 10.9.1995 (RŠ&MZ); Kopriva, 30.5.2011 (RŠ)
<i>Eupithecia irriguata</i> (Hübner, 1813)				x	x			3,4,5	not common	Kazlje, 28.3.2012 (RŠ&MZ); Povir, 28.4.2012 (RŠ&MZ); Podbrežje, 1.5.2013 (RŠ&MZ); Brje pri Komnu, 25.4.2014 (RŠ&MZ)
<i>Eupithecia indigata</i> (Hübner, 1813)						x		4	very rare	Povir, 28.4.2012 (RŠ&MZ); Podbrežje, 1.5.2013 (RŠ&MZ)
<i>Eupithecia distinctaria</i> Herrich-Schäffer, 1848				x				5	very rare	Brje pri Komnu, 2.5.1999 (RŠ&MZ) - inspection of the genital structures (RŠ)
<i>Eupithecia centaureata</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	x	4,5,6,7,9	rare	Kobjeglava, 27.9.1997 (RŠ&MZ); Povir, 28.4.2012 (RŠ&MZ)
<i>Eupithecia limbata</i> Staudinger, 1879	x							7	very rare	Data in the Chapter regarding interesting species
<i>Eupithecia insigniata</i> (Hübner, 1790)	x	x	x	x	x	x	x	4,5	rare	Jirmanec, 8.5.2015 (RŠ&MZ&BZ&SG)
<i>Eupithecia trisignaria</i> Herrich-Schäffer, 1848						x		7	very rare	Jirmanec, 28.7.2012 (RŠ&MZ)
<i>Eupithecia gueneata</i> Milliere, 1862	x							8	very rare	Temnica, 11.8.2008 (RŠ)
<i>Eupithecia gratosata</i> Herrich-Schäffer, 1861				x				6,7	very rare	Škrbina, 18.7.1995 (RŠ&MZ)
<i>Eupithecia intricata</i> (Zetterstedt, 1839)						x		5	very rare	Kobjeglava - Jelenca, 13.5.1997 (RŠ&MZ)

<i>Eupithecia absinthiata</i> (Clerck, 1759)					x	8	very rare	Jirmanec, 19.8.2011 (RŠ&MZ)
<i>Eupithecia assimilata</i> Doubleday, 1856				x	6,7	rare	Gorjansko, 5.7.2009 (MZ); Lokev, 25.6.2010 (RŠ&MZ&BZ)	
<i>Eupithecia exiguata</i> (Hübner, 1813)			x	x	3,4	not common		
<i>Eupithecia icterata</i> (de Villers, 1789)			x	x	8,9	very common		
<i>Eupithecia semigraphata</i> Braund, 1850			x	x	8,9,10	very common		
NOTODONTIDAE (24)								
<i>Thaumetopoea processionea</i> (Linnaeus, 1758)			x	x	8,9	very common		
<i>Thaumetopoea pityocampa</i> (Denis & Schiffermüller, 1775)			x	x	7,8	very common		
<i>Clostera curtula</i> (Linnaeus, 1758)			x	x	4,5	rare	Zagrajec, 26.4.1993 (RŠ&MZ); Kobjeglava - Jelena, 6.5.2014 (RŠ&MZ)	
<i>Clostera anastomosis</i> (Linnaeus, 1758)			x		5	very rare	Opatje selo, 2.5.1987 (RŠ&MZ)	
<i>Notodonta tritophus</i> (Denis & Schiffermüller, 1775)			x	x	4,5,7	very rare	Opatje selo, 2.5.1987 (RŠ&MZ); Kostanjevica na Krasi, 11.7.1987 (RŠ&MZ); Gorjansko, 24.4.1994 (RŠ&MZ)	
<i>Drymonia dodonaea</i> (Denis & Schiffermüller, 1775)			x	x	4,5,6,7	common		
<i>Drymonia ruficornis</i> (Hufnagel, 1766)			x	x	3,4,5	common		
<i>Drymonia querna</i> (Denis & Schiffermüller, 1775)			x	x	4,7	very rare	Kostanjevica na Krasi, 1.7.1989 (RŠ&MZ); Kobjeglava - Jelena, 25.4.1993 (RŠ&MZ)	
<i>Pheosia tremula</i> (Clerck, 1759)				x	5	very rare	Dutovlje, 7.5.1994 (RŠ&MZ); Kobjeglava - Zavodi, 8.5.2001 (RŠ&MZ)	
<i>Paradrymonia vittata</i> (Staudinger, 1892)			x	x	5,6,7	not common	Data in the Chapter regarding interesting species	
<i>Pterostoma palpina</i> (Clerck, 1759)			x	x	4,5,6,8	rare	Opatje selo, 13.8.1988 (RŠ&MZ); Opatje selo, 1.6.1991 (RŠ&MZ); Kobjeglava - Jelena, 16.5.1996 (RŠ&ML); Kobjeglava - Jelena, 6.5.2014 (RŠ&MZ)	

<i>Ptilophora plumigera</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	11,12	common	Dutovlje, 15.11.1995 (RŠ); Gorjansko, 13.11.2010 (RŠ)	
<i>Ptilodon capucina</i> (Linnaeus, 1758)	x	x				4,7	very rare	Kostanjevica na Krasi, 19.7.1988 (RŠ&MZ); Zagrajec, 26.4.1993 (RŠ&MZ)	
<i>Ptilodon cucullina</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	4,5,6,7,8,9	not common		
<i>Gluphista crenata</i> (Esper, 1785)	x					7	very rare	Kostanjevica na Krasi, 15.7.1987 (RŠ&MZ); Klariči, 19.7.1987 (RŠ&MZ)	
<i>Furcula furcula</i> (Clerck, 1759)	x					7	very rare	Kostanjevica na Krasi, 15.7.1987 (RŠ&MZ); Opatje selo, 13.7.1988 (RŠ&MZ)	
<i>Furcula bifida</i> (Brahm, 1787)	x					5	very rare	Opatje selo, 27.5.1988 (RŠ&MZ)	
<i>Dicranura ulmi</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	3,4,5	common		
<i>Phalera bucephala</i> (Linnaeus, 1758)	x	x				5,6,7	rare		
<i>Phalera bucephaloides</i> (Ochsenheimer, 1810)	x	x	x			7,8	rare	Opatje selo, 2.8.1987 (RŠ&MZ); Zagrajec, 26.7.2008 (RŠ&MZ); Trstelj, 23.7.2009 (RŠ&MZ&TL); Krajna vas, 18.7.2014 (RŠ&MZ)	
<i>Peridea anceps</i> (Goeze, 1781)	x	x	x	x	x	3,4,5	common	Klariči, 13.9.2015 (RŠ) - second generation, two males observed	
<i>Stauropus jagi</i> (Linnaeus, 1758)	x	x	x	x	x	4,5,6,7,9	not common		
<i>Harpya milhauseri</i> (Fabricius, 1775)	x	x	x	x	x	3,4,5	not common	Klariči, 27.9.2013 (RŠ&MZ) - unusual date, one male observed	
<i>Spatalia argentina</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	4,5,6,7,8	common		
EREBIDAE (83)									
<i>Nudaria mundana</i> (Linnaeus, 1761)		x				6	rare	Data in the Chapter regarding interesting species	
<i>Mitochondria miniata</i> (Forster, 1771)	x	x				7	very rare	Kostanjevica na Krasi, 26.7.1989 (RŠ&MZ); Zagrajec, 26.7.2008 (RŠ&MZ)	
<i>Cybosia mesomella</i> (Linnaeus, 1758)	x	x	x			6	rare	Opatje selo, 11.6.1988 (RŠ&MZ); Komen - Jažmerca, 5.6.2010 (RŠ&MZ&BZ); Jirnanec, 14.6.2013 (RŠ&MZ)	

<i>Pelosia muscerda</i> (Hufnagel, 1766)	x					9	very rare	Klarići, 27.9.2013 (RŠ&MZ)
<i>Lithosia quadra</i> (Linnaeus, 1758)	x	x	x	x	x	6,7,8,9,10	common	
<i>Eilema depressa</i> (Esper, 1787)	x	x	x	x	x	6,7,8,9,10	common	
<i>Eilema lurideola</i> (Zincken, 1817)	x	x	x	x	x	6,7,8	not common	Kopriva, 26.6.2011 (RŠ); Kopriva, 5.7.2013 (MZ); Podbrežje, 12.7.2013 (RŠ&MZ); Klarići, 18.6.2014 (RŠ)
<i>Eilema complana</i> (Linnaeus, 1758)	x	x	x	x	x	6,7,8,9,10	very common	
<i>Eilema pseudocomplana</i> (Daniël, 1939)	x	x	x	x	x	8,9,10	not common	Data in the Chapter regarding interesting species
<i>Eilema caniola</i> (Hübner, 1808)	x	x	x	x	x	5,6,7,8,9,10	very common	
<i>Eilema pygmaeola</i> (Doubleday, 1847)	x	x	x	x	x	5,6,7,8,9	common	
<i>Eilema sonorcuta</i> (Hufnagel, 1766)	x	x	x	x	x	4,5,6,7,9	common	
<i>Amata phegea</i> (Linnaeus, 1758)	x	x	x	x	x	6,7	very common	
<i>Amata marjana</i> (Stauder, 1913)	x					5,6	not common	Data in the Chapter regarding interesting species
<i>Dysauxes ancilla</i> (Linnaeus, 1767)	x	x	x	x	x	6,7,8	common	
<i>Dysauxes famula</i> (Freyer, 1836)	x	x				6,7,8,9	not common	Kostanjevica na Krasu, 25.7.1987 (RŠ&MZ); Zagrajec, 10.9.2010 (RŠ&MZ&JD); Komen, 24.9.2013 (RŠ&MZ); Klarići, 18.6.2014 (RŠ)
<i>Phragmatobia fuliginosa</i> (Linnaeus, 1758)	x	x	x	x	x	3,4,5,6,7,8,9,10	common	Vojščića, 31.3.1994 (RŠ&MZ)
<i>Phragmatobia lucifera</i> (Denis & Schiffmüller, 1775)	x	x				4,5	rare	Opatje selo, 2.5.1987 (RŠ&MZ); Kostanjevica na Krasu, 6.5.1989 (RŠ&MZ); Klarići, 21.4.2010 (RŠ&MZ); Jirmanec, 8.5.2015 (RŠ&MZ&BZ&SG)
<i>Spilosoma lutea</i> (Hufnagel, 1766)	x					5,7	very rare	Kostanjevica na Krasu, 23.5.1987 (RŠ&MZ); Opatje selo, 1.7.1989 (RŠ&MZ)

<i>Spilosoma lubricipeda</i> (Linnaeus, 1758)	x	x	x	5,6,8	rare	Kobjeglava - Jelenca, 19.5.1987 (RŠ&MZ); Opatje selo, 2.8.1987 (MZ); Brije pri Kommu, 22.5.1993 (RŠ&MZ)
<i>Diaphora mendica</i> (Clerck, 1759)	x			5	very rare	Opatje selo, 2.5.1987 (RŠ&MZ)
<i>Diaphora luctuosa</i> (Hübner, 1831)	x	x	x	3,4,5	rare	Kostanjevica na Krasi, 7.4.1989 (RŠ&MZ); Klariči, 9.5.1992 (RŠ); Dutovlje, 24.4.1994 (RŠ&MZ); Kobjeglava - Jelenca, 9.5.2012 (RŠ&MZ); Podbreže, 25.4.2013 (MZ)
<i>Rhyparia purpurata</i> (Linnaeus, 1758)	x	x	x	5,6,7	rare	Lokvica, 28.6.1996 (RŠ); Skopo, 26.6.2011 (RŠ)
<i>Diacrisia sannio</i> (Linnaeus, 1758)	x	x	x	5,6,7,8,9	common	
<i>Arctia villica</i> (Linnaeus, 1758)	x	x	x	4,5,6	common	
<i>Spiris slovenica</i> (Daniel, 1939)	x	x	x	5,6,7	common	Data in the Chapter regarding interesting species
<i>Euplagia quadripunctaria</i> (Poda, 1761)	x	x	x	7,8,9	not common	Kobjeglava, 5.8.1988 (RŠ); Škrbina, 15.8.1994 (RŠ&MZ); Temnica, 11.8.2008 (RŠ); Jirmanec, 5.9.2013 (RŠ&MZ)
<i>Laspeyria flexula</i> (Denis & Schiffermüller, 1775)	x	x	x	5,7,8,9	not common	
<i>Parascotia fuliginaria</i> (Linnaeus, 1761)	x	x	x	7,9	very rare	Kostanjevica na Krasi, 9.7.2002 (RŠ&MZ); Zagrajec, 10.9.2010 (RŠ&MZ&JD); Jirmanec, 28.7.2012 (RŠ&MZ)
<i>Catephia alchymista</i> (Denis & Schiffermüller, 1775)	x	x	x	5,6,7,8	very rare	Gorenja Brestovica, 10.7.1997 (RŠ&ML); Kobjeglava - Jelenca, 17.5.2004 (RŠ&MZ&BZ)
<i>Minucia lunaris</i> (Denis & Schiffermüller, 1775)	x	x	x	4,5	not common	
<i>Ophiura tirhaca</i> (Cramer, 1773)		x		10	very rare	Zagrajec, 25.10.2013 (RŠ&MZ)
<i>Dysgonia algriva</i> (Linnaeus, 1767)	x	x	x	5,6,7,8,9	not common	
<i>Grammodes stolidia</i> (Fabricius, 1775)		x		9	very rare	Zagrajec, 10.9.2010 (RŠ&MZ&JD)
<i>Euclidia glyphica</i> (Linnaeus, 1758)	x	x	x	5,6,7	common	

<i>Euclidia mi</i> (Clerck, 1759)	x	x	x	x	x	x	5,6	very common	
<i>Catocala conversa</i> (Esper, 1783)	x	x					6,7	very rare	Vojštica, 14.7.1994 (RŠ&MZ); Lipa na Krasu, 16.6.2010 (MZ)
<i>Catocala nymphagoga</i> (Esper, 1787)	x	x	x				7,8	common	
<i>Catocala fraxini</i> (Linnaeus, 1758)		x					9	very rare	Lipa na Krasu, 10.9.1995 (RŠ&MZ)
<i>Catocala conjuncta</i> (Esper, 1787)	x						9	very rare	Klariči, 7.9.1993 (RŠ&MZ)
<i>Catocala nupta</i> (Linnaeus, 1767)	x	x					7,8,9,10	not common	Kostanjevica na Krasu, 11.7.1994 (RŠ); Zagrajec, 30.10.2010 (RŠ&MZ)
<i>Catocala elocata</i> (Esper, 1787)	x						7,8,9	rare	Klariči, 7.9.1993 (RŠ&MZ); Temnica, 14.7.1994 (RŠ&MZ); Kostanjevica na Krasu, 10.7.1998 (RŠ)
<i>Catocala dilecta</i> (Hübner, 1808)	x	x	x				7,8,9,10	not common	Klariči, 7.9.1995 (RŠ&MZ); Novoel, 9.7.2002 (RŠ&MZ); Zagrajec, 2.10.2011 (RŠ); Krajna vas, 18.7.2014 (RŠ&MZ)
<i>Catocala sponsa</i> (Linnaeus, 1767)	x	x	x	x	x		7,8,9	common	Kostanjevica na Krasu, 11.7.1994 (RŠ); Škrbina, 18.8.1994 (RŠ); Kopriva, 4.8.2013 (RŠ); Lokev, 25.8.2014 (RŠ)
<i>Catocala promissa</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x		6,7,8,9	common	Kostanjevica na Krasu, 4.7.1996 (RŠ&MZ); Podbreže, 12.7.2013 (RŠ&MZ); Klariči, 18.6.2014 (RŠ); Kopriva, 18.9.2014 (RŠ&MZ&CM)
<i>Apopestes spectrum</i> (Esper, 1787)						x	9	very rare	Lokev, 30.9.2011 (RŠ&MZ)
<i>Lygephila cracca</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x		5,6,7,8,9,10, 11	not common	
<i>Odice suava</i> (Hübner, 1813)	x						7	very rare	Opatje selo, 12.7.1987 (MZ)
<i>Eublemma parva</i> (Hübner, 1808)		x					7	very rare	Gorjansko - Podklanec, 3.7.2009 (RŠ&MZ)
<i>Eublemma purpurina</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x		5,6,7,8,9,10	rare	Lokvica, 4.6.1989 (RŠ); Kobjeglava - Jelenca, 21.5.2000 (RŠ); Temnica, 11.8.2008 (RŠ); Klariči, 27.9.2013 (RŠ&MZ)



<i>Metachrostis dardouini</i> (Boisduval, 1840)												Jirmanec, 28.7.2012 (RŠ&MZ)
<i>Metachrostis velox</i> (Hübner, 1813)	x	x										Opatje selo, 24.9.1993 (RŠ); Gorjansko - Podklanec, 3.7.2009 (RŠ&MZ); Klariči, 13.9.2015 (RŠ)
<i>Orectis proboscoidata</i> (Herrich-Schäffer, 1851)	x	x	x	x	x							Komen, 22.9.1993 (RŠ&MZ); Kopriva, 26.6.2011 (RŠ); Kazlje, 17.9.2011 (RŠ&MZ); Jirmanec, 28.7.2012 (RŠ&MZ)
<i>Idia calvaria</i> (Denis & Schiffermüller, 1775)	x	x	x	x								Kostanjevica na Krasi, 11.7.1987 (RŠ&MZ); Škrbina, 18.8.1994 (RŠ); Lipa na Krasi, 10.9.1995 (RŠ&MZ)
<i>Paracolax tristalis</i> (Fabricius, 1794)	x	x	x	x	x							
<i>Hermينيا tarsipemmalis</i> Treitschke, 1835	x	x	x	x	x							
<i>Hermينيا tarstirinalis</i> (Knoch, 1782)	x	x	x	x	x							
<i>Hermينيا grisealis</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x							
<i>Polypogon tentacularia</i> (Linnaeus, 1758)	x	x	x	x								Bije pri Komnu, 22.5.1993 (RŠ&MZ); Temnica, 11.8.2012 (RŠ&MZ); Jirmanec, 14.6.2013 (RŠ&MZ)
<i>Zanclognatha lunalis</i> (Scopoli, 1763)	x	x	x	x	x							
<i>Zanclognatha zelleralis</i> (Wocke, 1850)	x	x	x	x	x							Kostanjevica na Krasi, 4.7.1996 (RŠ); Trstelj, 16.7.2010 (RŠ); Zagrajec, 10.9.2010 (RŠ&MZ&JD)
<i>Pechipogo plumigeralis</i> Hübner, 1825	x	x	x	x	x							Kostanjevica na Krasi, 19.8.1994 (RŠ); Kopriva, 26.6.2011 (RŠ); Kazlje, 17.9.2011 (RŠ&MZ)
<i>Hypena proboscoidalis</i> (Linnaeus, 1758)	x	x	x	x								
<i>Hypena rostralis</i> (Linnaeus, 1758)	x	x	x	x	x							

<i>Hypena obsitalis</i> (Hübner, 1813)	x	x			2,3,4,11				very rare	Zagrajec, 13.2.1997 (RŠ); Lokvica, 21.11.2009 (RŠ)
<i>Hypena lividalis</i> (Hübner, 1796)		x			9				very rare	Data in the Chapter regarding interesting species
<i>Zekelita antiqualis</i> (Hübner, 1809)	x			x	6				very rare	Brestovica, 14.6.1998 (MZ); Jirmanec, 14.6.2013 (RŠ&MZ); Klariči, 18.6.2014 (RŠ)
<i>Schrankia costaestrigalis</i> (Stephens, 1834)	x	x	x	x	9,10				not common	Klariči, 7.9.1993 (RŠ&MZ); Zagrajec, 30.10.2010 (RŠ&MZ); Kazlje, 17.9.2011 (RŠ&MZ); Komen, 24.9.2013 (RŠ&MZ)
<i>Arctornis l-nigrum</i> (Müller, 1764)	x			x	6,7,8,9				rare	Tennica, 11.8.2012 (RŠ&MZ); Jirmanec, 14.6.2013 (RŠ&MZ); Kopriva, 7.9.2013 (RŠ); Lokev, 25.8.2014 (RŠ)
<i>Leucoma salicis</i> (Linnaeus, 1758)					6		x		rare	Jirmanec, 4.6.2011 (RŠ&MZ)
<i>Lymantria dispar</i> (Linnaeus, 1758)	x	x	x	x	7,8,9				very common	
<i>Lymantria monacha</i> (Linnaeus, 1758)	x	x	x		6,7				rare	Tennica, 25.7.1987 (RŠ&MZ); Lipa na Krasu, 21.7.2001 (RŠ&BZ)
<i>Oenertia rubea</i> (Denis & Schiffermüller, 1775)	x	x		x	7,8,9				rare	Tennica, 21.7.2009 (RŠ&MZ); Gorjansko - Podklanec, 3.7.2009 (RŠ&MZ); Podbrežje, 12.7.2013 (RŠ&MZ)
<i>Euproctis chrysoorrhoea</i> (Linnaeus, 1758)	x				7				very rare	Kostanjevica na Krasu, 11.7.1987 (RŠ&MZ)
<i>Sphrageidus similis</i> (Fuessly, 1775)	x				8,9				rare	Opatje selo, 13.8.1988 (RŠ&MZ); Vojštica, 7.9.1995 (RŠ&MZ)
<i>Calliteara pudibunda</i> (Linnaeus, 1758)	x	x	x	x	4,5,6				not common	Kostanjevica na Krasu, 23.4.1989 (RŠ&MZ); Kobjeglava - Jelenca, 16.5.1996 (RŠ&ML); Krajna vas, 21.5.2014 (RŠ&MZ)
<i>Orgyia antiqua</i> (Linnaeus, 1758)	x	x	x	x	9,10				not common	Opatje selo, 24.9.1988 (RŠ&MZ); Vojštica, 11.10.1996 (RŠ); Tomaj, 12.10.2014 (RŠ)
<i>Phytometra viridaria</i> (Clerck, 1759)	x	x	x	x	5,6,7,8,9				common	

<i>Colobochyla salicalis</i> (Denis & Schiffermüller, 1775)			x			6			very rare	Kopriva, 26.6.2011 (RŠ)
<i>Trisateles emortualis</i> (Denis & Schiffermüller, 1775)		x				5			very rare	Gorjansko, 22.5.2009 (RŠ&MZ)
<i>Rivula sericealis</i> (Scopoli, 1763)		x	x	x		5,6,7,9			rare	Kostanjevica na Krasi, 6.6.1987 (RŠ&MZ); Krajna vas, 21.5.2014 (RŠ&MZ); Kopriva, 18.9.2014 (RŠ&MZ&CM); Kazlje, 19.5.2015 (RŠ&MZ)
<i>Zebeeba falsalis</i> (Herrich-Schäffer, 1839)		x	x			5,6,7,9			not common	Zagajec, 22.5.2009 (RŠ&MZ); Klarici, 27.9.2013 (RŠ&MZ)
<i>Scoliopteryx libatrix</i> (Linnaeus, 1758)		x	x	x		3,4,5,7			rare	Kostanjevica na Krasi, 10.7.1998 (RŠ); Komen, 19.5.2011 (RŠ&MZ); Grahovo Brdo, 21.3.2014 (RŠ)
EUTELIIDAE (1)										
<i>Eutelta adularix</i> (Hübner, 1813)		x	x	x	x	5,6,7,8,9,10			not common	
NOLIDAE (9)										
<i>Meganola strigula</i> (Denis & Schiffermüller, 1775)		x	x	x	x	5,6,8,9			not common	
<i>Meganola togatulus</i> (Hübner, 1796)		x	x	x		6,7,9			very rare	Lipa na Krasi, 13.6.1999 (RŠ); Trstelj, 2.9.2009 (RŠ&MZ); Kopriva, 6.7.2014 (RŠ&CM)
<i>Nola aerugula</i> (Hübner, 1793)		x	x	x	x	4,5,6,7,8			rare	Lipa na Krasi, 1.8.2009 (RŠ); Kopriva, 20.8.2011 (RŠ); Temnica, 11.8.2012 (RŠ&MZ)
<i>Nola cicatricalis</i> (Treitschke, 1835)		x	x	x	x	3,4			very common	
<i>Nola confusalis</i> (Herrich-Schäffer, 1847)		x	x	x	x	4,5			common	
<i>Bena bicolorana</i> (Fuessly, 1775)		x	x	x		5,6,7,9			rare	Kostanjevica na Krasi, 11.7.1987 (RŠ&MZ); Opatje selo, 6.5.1989 (RŠ&MZ); Gorjansko - Podklaneec, 3.7.2009 (RŠ&MZ); Kopriva, 18.9.2014 (RŠ&MZ&CM)
<i>Pseudoips prasinana</i> (Linnaeus, 1758)		x	x	x	x	4,6,7			not common	

<i>Nycteoila revayana</i> (Scopoli, 1772)	x	x	x	x	x	2,3,6,7,10,11	rare	Dutovlje, 23.3.1996 (MZ); Kostanjevica na Krasu, 26.2.1997 (RŠ&MZ); Jirmanec, 4.6.2011 (RŠ&MZ); Skopo, 10.6.2011 (RŠ)	
<i>Nycteoila asiatica</i> (Krulikovskiy, 1904)	x	x	x			3,7,9,10,11	rare	Klariči, 18.3.1995 (RŠ&MZ); Kobjeglava, 15.11.1995 (RŠ); Mali Dol, 4.10.2007 (RŠ); Kopriva, 18.9.2014 (RŠ&MZ&CM)	
NOCTUIDAE (230)									
<i>Colocasia coryli</i> (Linnaeus, 1758)	x	x	x	x	x	3,4,5,6,7,8,9	common		
<i>Diloba caeruleocephala</i> (Linnaeus, 1758)	x	x	x	x	x	10,11,12	very common		
<i>Craniophora ligustri</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	3,4,5,6,7,8,9,10	very common		
<i>Moma alpinum</i> (Osbeck, 1778)		x	x			5	very rare	Kobjeglava - Jelenca, 16.5.1996 (RŠ&ML); Komen, 19.5.2011 (RŠ&MZ)	
<i>Acronicta alni</i> (Linnaeus, 1767)	x	x	x			5,6,7	rare	Trstelj, 14.6.1991 (RŠ&MZ); Brje pri Komnu, 2.5.1999 (RŠ&MZ)	
<i>Acronicta psi</i> (Linnaeus, 1758)	x	x	x	x	x	4,5,6,7,9	rare	Brje pri Komnu, 25.4.2014 (RŠ&MZ)	
<i>Acronicta auricoma</i> (Denis & Schiffmüller, 1775)	x					7	very rare	Kostanjevica na Krasu, 4.7.1996 (RŠ)	
<i>Acronicta rumicis</i> (Linnaeus, 1758)	x	x	x	x	x	3,4,5,6,7,8,10	not common		
<i>Acronicta euphorbiae</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	4,5,8	not common		
<i>Acronicta aceris</i> (Linnaeus, 1758)	x	x	x			5,6	not common		
<i>Acronicta megecephala</i> (Denis & Schiffmüller, 1775)	x		x			5,9	very rare	Klariči, 7.9.1995 (RŠ&MZ); Klariči, 10.9.1995 (RŠ&MZ); Kobjeglava, 18.5.1996 (MZ)	
<i>Abrostola triparitica</i> (Hufnagel, 1766)	x		x			5,6,7	very rare	Opatje selo, 10.6.1989 (RŠ&MZ); Vojšičica, 17.7.1993 (MZ); Kopriva, 15.5.2013 (RŠ&MZ)	
<i>Abrostola asclepiadis</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	4,5,6,7	not common		

<i>Abrostola triplasia</i> (Linnaeus, 1758)	x	x	x	x	4,5,6	rare	Kostanjevica na Krasi, 22.5.1993 (RŠ&MZ); Podbreže, 1.5.2013 (RŠ&MZ); Kopriva, 15.5.2013 (RŠ&MZ); Pomikve, 12.6.2013 (RŠ); Brije pri Komnu, 25.4.2014 (RŠ&MZ)
<i>Chrysodeixis chalcites</i> (Esper, 1789)	x	x	x	x	7,8,9,10,11	common	
<i>Macdunnoughia confusa</i> (Stephens, 1850)	x	x			4,5,9,10,11	not common	
<i>Diachrysia chrysiis</i> (Linnaeus, 1758)	x	x			5,6,7	very rare	Vojšičica, 7.5.1994 (MZ); Klanec pri Komnu, 3.7.2005 (RŠ)
<i>Diachrysia stenochrysis</i> (Warren, 1913)	x				5,6	very rare	Opatje selo, 12.5.1989 (RŠ&MZ)
<i>Euchalcia modestoides</i> Poole, 1989		x			6	very rare	Data in the Chapter regarding interesting species
<i>Autographa gamma</i> (Linnaeus, 1758)	x	x	x	x	5,6,7,8,9,10,11	common	
<i>Deltote pygarga</i> (Hufnagel, 1766)	x	x	x	x	5,6,7,8	common	
<i>Deltote deceptorata</i> (Scopoli, 1763)	x	x	x	x	5,6,7	common	
<i>Panemeria tenebrata</i> (Scopoli, 1763)	x		x		4,5	very rare	Klarići, 22.4.2006 (MZ); Štorje, 6.5.2015 (RŠ&MZ)
<i>Tyta luctuosa</i> (Denis & Schiffermüller, 1775)	x	x	x	x	5,6,7,8,9	not common	
<i>Acontia trabealis</i> (Scopoli, 1763)	x	x	x	x	5,6,7,8,9	common	
<i>Acontia lucida</i> (Hufnagel, 1766)	x		x		9	very rare	Dutovlje, 7.9.1995 (RŠ&MZ); Lokvica, 5.9.2012 (RŠ)
<i>Aedia leucomelas</i> (Linnaeus, 1758)	x	x	x	x	7,8,9,10	rare	Miren - Gmajna, 2.9.1991 (RŠ); Škrbina, 15.8.1994 (RŠ&MZ); Zagrajec, 13.10.2008 (RŠ&MZ)
<i>Cucullia absinthii</i> (Linnaeus, 1761)	x		x		6	not common	Sežana, 26.6.2000 e. l. 15.9.1999 (RŠ&MZ); Rodik, 15.9.1999 (RŠ&MZ); Termica, 25.9.2001 (MZ) - larvae on <i>Artemisia vulgaris</i>
<i>Cucullia umbratica</i> (Linnaeus, 1758)	x				8	very rare	Kostanjevica na Krasi, 25.8.1989 (RŠ&MZ)

<i>Cucullia blattariae</i> (Esper, 1790)	x	x	x	x	x	x	x	3,4,5	common	Lokvica, 5.4.2002 e. l. 20.6.2001 (RŠ); Trstelj, 22.4.2001 e. l. 28.5.2000 (RŠ) - all larvae on <i>Scrophularia canina</i> ; Štorje, 10.7.2005 (RŠ) - larvae on <i>Scrophularia canina</i>
<i>Cucullia gozmanyi</i> (G. & L. Ronkay, 1994)	x	x	x					4,5	not common	Data in the Chapter regarding interesting species
<i>Cucullia lychnitis</i> Rambur, 1833	x	x						5,6	not common	Kostanjevica na Krasu, 19.5.1999 e. l. 16.7.1998 (RŠ); Lipa na Krasu, 21.6.2003 e. l. 29.7.2002 (RŠ) - all larvae on <i>Verbascum lychnitis</i>
<i>Cucullia verbasci</i> (Linnaeus, 1758)	x	x						7	rare	Lipa na Krasu, 9.6.2002 - larvae (RŠ); Trstelj, 18.6.2001 e. l. 15.7.2000 (RŠ); Kobjeglava - Jelenca, 6.5.2014 e. l. 28.3.2015 (RŠ&MZ) - all larvae on <i>Verbascum thapsus</i> podatki Matjaž - Dutovlje?
<i>Epimecia ustula</i> (Freyer, 1835)							x	6	very rare	Brije pri Komnu, 15.6.2001 (MZ)
<i>Lamprosticta culta</i> (Denis & Schiffermüller, 1775)	x	x						6,7	rare	Kostanjevica na Krasu, 11.7.1994 (RŠ&MZ); Vojšičica, 12.7.1995 (RŠ&MZ); Lipa na Krasu, 10.7.1998 (RŠ); Trstelj, 23.7.2009 (RŠ&MZ&TL)
<i>Praestilbia armeniaca</i> Staudinger, 1892								9	very rare	Lokev, 4.9.2010 (RŠ&MZ&BZ)
<i>Amphipyra pyramidea</i> (Linnaeus, 1758)	x	x	x	x	x			6,7,8,9,10,11	very common	
<i>Amphipyra tragopoginis</i> (Clerck, 1759)	x							9	very rare	Klariči, 15.9.1995 (MZ)
<i>Amphipyra tetra</i> (Fabricius, 1787)	x	x	x					7,8,9,10	not common	Kostanjevica na Krasu, 19.8.1994 (RŠ&MZ); Gorjansko - Podklanec, 3.7.2009 (RŠ&MZ); Jirmanec, 19.8.2011 (RŠ&MZ); Gorjansko - Mavhinje, 2.10.2011 (RŠ)
<i>Asteroscopus sphinx</i> (Hufnagel, 1766)	x	x	x					11,12	not common	
<i>Brachionycha nubeculosa</i> (Esper, 1785)							x	3,4	not common	Lokev, 16.3.2012 (RŠ&MZ); Krvavi Potok, 18.4.2013 (RŠ&BZ&SG)
<i>Valeria oleagina</i> (Denis & Schiffermüller, 1775)	x	x	x					3,4	common	
<i>Meganephria bimaculosa</i> (Linnaeus, 1767)	x	x	x	x				9,10	not common	Vojšičica, 9.10.1995 (RŠ); Gorjansko - Mavhinje, 29.9.2011 (RŠ); Lokve, 30.9.2011 (RŠ&MZ); Komen, 24.9.2013 (RŠ&MZ)

<i>Allophyes oxyacanthae</i> (Linnaeus, 1758)	x	x	x	x	x	10,11,12	very common		
<i>Pyrrhia umbra</i> (Hufnagel, 1766)	x		x			8,9	very rare	Opatje selo, 8.9.1992 (RŠ); Dutovlje, 1.6.1994 (MZ); Lipa na Krasu, 18.8.1994 (RŠ)	
<i>Schinia cardui</i> (Hübner, 1790)	x	x	x			7,8	not common	Data in the Chapter regarding interesting species	
<i>Heliothis peltigera</i> (Denis & Schiffmüller, 1775)	x		x	x	x	3,5,6,7,8,9	rare	Opatje selo, 13.8.1988 (RŠ&MZ); Dutovlje, 31.3.1994 (RŠ&MZ); Dutovlje, 1.6.1994 (MZ); Jirnanec, 8.5.2015 (RŠ&MZ&BZ&SG)	
<i>Heliothis viriplaca</i> (Hufnagel, 1766)	x	x	x	x		4,5,6,7	rare		
<i>Helicoverpa armigera</i> (Hübner, 1808)	x	x	x	x	x	8,9,10	common		
<i>Acosmetia caliginosa</i> (Hübner, 1813)				x		6	very rare	Kopriva, 10.6.2011 (RŠ)	
<i>Callopolisria latreillei</i> (Duponchel, 1827)	x	x	x			8,9,10	very rare	Opatje selo, 11.9.1987 (MZ); Vojščica, 4.10.1991 (RŠ); Dutovlje, 15.9.1995 (MZ); Mali Dol, 4.10.2007 (RŠ)	
<i>Cryphia algae</i> (Fabricius, 1775)	x	x	x	x	x	7,8,9	very common		
<i>Bryophila raptricula</i> (Denis & Schiffmüller, 1775)	x					7,8	very rare	Trstelj – Vrtočka, 25.7.2010 (MZ); Komen, 5.8.2013 (MZ)	
<i>Nyctobrya muralis</i> (Forster, 1771)	x		x			7,8	rare	Kostanjevica na Krasu, 21.7.2001 (RŠ&BZ); Skopo, 28.7.2011 (RŠ)	
<i>Pseudeustrotia candidula</i> (Denis & Schiffmüller, 1775)	x	x	x			5,6	rare	Kobjeglava, 19.5.1997 (RŠ&MZ); Kopriva, 15.6.2012 (RŠ)	
<i>Spodoptera exigua</i> (Hübner, 1808)	x	x	x	x	x	7,8,9,10	not common		
<i>Elaphria venustula</i> (Hübner, 1790)	x	x	x			5,6,7	not common		
<i>Caradrina morpheus</i> (Hufnagel, 1766)	x					7	very rare	Tennica, 14.7.1994 (RŠ&MZ)	
<i>Caradrina kadenii</i> Freyer, 1836	x					9	very rare	Brestovica, 24.9.1994 (MZ); Brestovica, 26.9.1995 (MZ); Klariči, 27.9.2013 (RŠ&MZ)	
<i>Caradrina aspersa</i> Rambur, 1834	x	x	x			7,8,9	rare	Kostanjevica na Krasu, 25.7.1987 (RŠ&MZ); Lipa na Krasu, 18.7.1995 (RŠ&MZ); Trstelj, 16.7.2010 (RŠ)	

<i>Caradrina clavipalpis</i> Scopoli, 1763	x	x	x	x	x	6,7,8,9,10,11	not common	Zagrajec, 26.7.2008 (RŠ&MZ); Jirmanec, 19.8.2011 (RŠ&MZ); Komen, 5.8.2013 (MZ); Vrhovlje, 8.8.2014 (RŠ&MZ)
<i>Hoplodrina blanda</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	7,8	rare	
<i>Hoplodrina respersa</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	4,5,6,7	not common	
<i>Hoplodrina ambigua</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	5,6,8,9,10,11	not common	
<i>Charanyca trigrammica</i> (Hufnagel, 1766)	x	x	x	x	x	5,6	common	
<i>Charanyca ferruginea</i> (Esper, 1785)	x	x	x	x	x	6,7	common	
<i>Athetis gluteosa</i> (Tretschke, 1835)	x	x	x	x	x	8	very rare	Komen, 5.8.2013 (MZ) - local, at the deserted pond
<i>Athetis hospes</i> (Freyer, 1831)	x	x	x	x	x	8,9	rare	Brestovica, 10.9.1995 (MZ); Lokev, 4.9.2010 (RŠ&MZ&BZ); Kopriva, 20.8.2011 (RŠ); Kopriva, 3.9.2011 (RŠ)
<i>Dypterygia scabriscutula</i> (Linnaeus, 1758)	x	x	x	x	x	5,6,7,8,9	not common	
<i>Trachea atriplicis</i> (Linnaeus, 1758)	x	x	x	x	x	5,6,7,8,9	not common	
<i>Mormo maura</i> (Linnaeus, 1758)	x	x	x	x	x	7	very rare	Kostanjevica na Krasi, 4.7.1996 (RŠ); Pomikve, 29.6.2013 (RŠ&MZ&CM)
<i>Polyphaenias sericata</i> (Esper, 1787)	x	x	x	x	x	6,7,8,9	very common	
<i>Thalophilha matura</i> (Hufnagel, 1766)	x	x	x	x	x	7,8,9,10	very common	
<i>Actinotia polyodon</i> (Clerck, 1759)	x	x	x	x	x	7	very rare	Opatje selo, 19.7.1988 (RŠ&MZ); Kobjeglava - Jelena, 16.5.1996 (RŠ&ML)
<i>Chloantha hyperici</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	4,5,8,9,10	rare	Gorenja Brestovica, 10.9.1995 (RŠ&MZ); Zagrajec, 13.10.2008 (RŠ); Kopriva, 13.8.2012 (RŠ)
<i>Phlogophora meticulosa</i> (Linnaeus, 1758)	x	x	x	x	x	4,5,9,10,11	common	



<i>Euplexia lucipara</i> (Linnaeus, 1758)	x	x			x	5,6,7,8	very rare	Škrbina, 18.8.1994 (RŠ); Trstelj - Vrtovka, 23.7.2009 (RŠ&MZ&TL); Jirmanec, 8.5.2015 (RŠ&MZ&BZ&SG)
<i>Auchmis detersa</i> (Esper, 1787)	x	x	x	x	x	7,8,9	rare	Škrbina, 15.8.1994 (RŠ&MZ); Jirmanec, 19.8.2011 (RŠ&MZ); Podbreže, 12.7.2013 (RŠ&MZ); Lokev, 25.8.2014 (RŠ)
<i>Cosmia diffinis</i> (Linnaeus, 1767)			x			7	very rare	Krajna vas, 18.7.2014 (RŠ&MZ)
<i>Cosmia affinis</i> (Linnaeus, 1767)	x	x	x	x		6,7,8,9	very rare	Komen, 22.9.1993 (RŠ&MZ); Skopo, 26.6.2011 (RŠ); Kazlje, 17.9.2011 (RŠ&MZ)
<i>Cosmia trapezina</i> (Linnaeus, 1758)	x	x	x	x	x	6,7,8,9	not common	
<i>Cosmia pyralina</i> (Denis & Schiffmüller, 1775)			x			6,7	very rare	Kopriva, 27.6.2012 (RŠ); Ponikve, 29.6.2013 (RŠ&MZ&CM); Kopriva, 6.7.2014 (RŠ&CM)
<i>Dicycla oo</i> (Linnaeus, 1758)	x	x	x	x	x	6,7	common	Brije pri Komnu, 15.6.2001 (MZ); Kopriva, 15.6.2012 (RŠ); Podbreže, 12.7.2013 (RŠ&MZ)
<i>Aethmia centrago</i> (Haworth, 1809)		x				9,10	rare	Mali Dol, 4.10.2007 (RŠ); Komen, 24.9.2013 (RŠ&MZ)
<i>Tiliacea citrago</i> (Linnaeus, 1758)	x	x	x	x	x	9,10,11	not common	
<i>Tiliacea aurago</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	9,10	not common	
<i>Tiliacea stiphurago</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	9,10,11	common	
<i>Xanthia icteritia</i> (Hufnagel, 1766)					x	9	very rare	Jirmanec, 5.9.2013 (RŠ&MZ)
<i>Xanthia gilvago</i> (Denis & Schiffmüller, 1775)	x	x				10	very rare	Miren - Gmajna, 27.10.1992 (RŠ); Zagrajec, 25.10.2013 (RŠ&MZ)
<i>Xanthia ruticilla</i> (Esper, 1791)	x		x			3	rare	Klariči, 18.3.1994 (RŠ); Dutovlje, 25.3.1994 (RŠ&MZ); Klariči, 15.3.2002 (RŠ&MZ)
<i>Agrochola lychnidis</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	9,10,11	very common	
<i>Agrochola nitida</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	9,10	common	

<i>Agrochola humilis</i> (Denis & Schiffermüller, 1775)	x	x	x	x	9,10	very rare	Štorje, 28.9.1996 (RŠ); Gorjansko, 11.10.1996 (RŠ); Sežana, 2.10.1997 (MZ)
<i>Agrochola litura</i> (Linnaeus, 1758)	x	x	x	x	9,10,11	very common	
<i>Agrochola hevola</i> (Linnaeus, 1758)	x	x	x	x	9,10,11	common	
<i>Agrochola lota</i> (Clerck, 1759)	x	x	x		10,11	very rare	Miren - Gmajna, 19.11.1987 (RŠ); Tublje pri Komnu, 29.10.1995 (RŠ&MZ); Brje pri Komnu, 25.9.2009 (RŠ&MZ); Klariči, 13.11.2009 (RŠ&MZ)
<i>Agrochola macilenta</i> (Hübner, 1809)	x	x	x	x	9,10,11	very common	
<i>Agrochola laevis</i> (Hübner, 1803)	x	x	x	x	9,10,11	common	Kostanjevica na Krasu, 19.9.1987 (RŠ&MZ); Gorjansko, 4.11.1996 (RŠ); Kazlje, 17.9.2011 (RŠ&MZ); Zagrajec, 2.10.2011 (RŠ); Komen - Jažmerca, 18.9.2012 (RŠ&MZ)
<i>Agrochola circellaris</i> (Hufnagel, 1766)	x	x	x	x	9,10,11	very common	
<i>Conistra vaccinii</i> (Linnaeus, 1761)	x	x	x	x	2,3,4,9,10,11	very common	
<i>Conistra ligula</i> (Esper, 1791)	x	x	x	x	3,4,10,11	rare	Vojšćica, 15.11.1995 (RŠ); Zagrajec, 30.10.2010 (RŠ&MZ); Gorjansko - Mavhinje, 29.9.2011 (RŠ); Jirmanec, 19.10.2013 (RŠ&MZ)
<i>Conistra rubiginosa</i> (Scopoli, 1763)	x	x	x	x	3,4,10,11	very common	
<i>Conistra veronicae</i> (Hübner, 1813)	x	x	x	x	3,4,5,9,10,11	common	
<i>Conistra rubiginea</i> (Denis & Schiffermüller, 1775)	x	x	x	x	2,3,4,5,9,10,11	very common	
<i>Conistra erythrocephala</i> (Denis & Schiffermüller, 1775)	x	x	x	x	2,3,4,5,9,10,11	very common	
<i>Jodia croceago</i> (Denis & Schiffermüller, 1775)	x	x	x		3,4	rare	Opatje selo, 15.3.1992 (RŠ&MZ); Dutovlje, 24.4.1994 (RŠ&MZ); Brestovica, 26.3.1995 (RŠ&MZ)
<i>Lithophane semibrunnea</i> (Haworth, 1809)	x				3	very rare	Klariči, 15.3.2014 (MZ)

<i>Lithophane socia</i> (Hufnagel, 1766)	x	x	x	x	3,4,9	rare	Miren - Gmajna, 19.3.1993 (RŠ); Dutovlje, 24.4.1994 (RŠ&MZ); Klariči, 15.3.2014 (MZ)
<i>Lithophane ornitopus</i> (Hufnagel, 1766)	x	x	x	x	3,4,5,9,10,11	common	
<i>Xylota exsoleta</i> (Linnaeus, 1758)	x	x	x	x	3,10,11	rare	Opatje selo, 27.10.1989 (RŠ&MZ); Vojštica, 26.10.1996 (RŠ&MZ); Jirmanec, 19.10.2013 (RŠ&MZ)
<i>Orbona fragariae</i> (Vieweg, 1790)	x				3,4,10,11	rare	Opatje selo, 15.3.1992 (RŠ&MZ); Kostanjevica na Krasu, 7.4.1993 (RŠ&MZ); Lokvica, 23.11.1994 (RŠ)
<i>Eupsilia transversa</i> (Hufnagel, 1766)	x	x	x	x	2,3,4,9,10,11,12	very common	
<i>Atypha pulmonaris</i> (Esper, 1790)	x	x	x	x	5,6,7	rare	Kostanjevica na Krasu, 1.7.1989 (RŠ&MZ); Jirmanec, 4.6.2011 (RŠ&MZ); Skopo, 10.6.2011 (RŠ); Povir, 29.6.2015 (RŠ&MZ)
<i>Mesogona acetosellae</i> (Denis & Schiffmüller, 1775)	x	x	x	x	9,10	rare	Kostanjevica na Krasu, 1.10.1990 (RŠ&MZ); Štorje, 28.9.1996 (RŠ)
<i>Rileyiana fovea</i> (Treitschke, 1825)	x	x	x	x	10,11	not common	Novelo, 20.10.1989 (RŠ); Škrbina, 27.11.1994 (RŠ); Temnica, 25.10.1995 (RŠ); Kobjeglava, 4.11.1996 (RŠ&MZ)
<i>Dryobota labecula</i> (Esper, 1788)	x	x			11	very rare	Miren - Gmajna, 13.11.1994 (RŠ&MZ); Gorjansko, 15.11.1995 (RŠ); Klariči, 13.11.1996 (RŠ&MZ); Zagrajec, 6.11.2004 (MZ)
<i>Dichonia convergens</i> (Denis & Schiffmüller, 1775)	x	x	x	x	10,11	very rare	Vojštica, 26.10.1996 (RŠ&MZ); Gorjansko, 4.11.1996 (RŠ); Jirmanec, 19.10.2013 (RŠ&MZ)
<i>Griposita aprilina</i> (Linnaeus, 1758)	x	x	x	x	9,10,11	common	
<i>Dryobotodes eremita</i> (Fabricius, 1775)	x	x	x	x	9,10,11	very common	
<i>Dryobotodes monochroma</i> (Esper, 1790)		x			10	very rare	Zagrajec, 13.10.2008 (RŠ); Zagrajec, 30.10.2010 (RŠ) - all inspection of the genital structures (RŠ)
<i>Dryobotodes carbonis</i> Wagner, 1931	x				10	very rare	Klariči, 7.10.2014 (RŠ&MZ)

<i>Dryobotodes tenebrosa</i> (Esper, 1789)	x	x			9,10	very rare	Kostanjevica na Krasu, 24.9.1993 (RŠ); Vojšičica, 30.10.1994 (RŠ)
<i>Antitype chi</i> (Linnaeus, 1758)	x				10	very rare	Kostanjevica na Krasu, 1.10.1990 (RŠ&MZ)
<i>Ammocoenia caecimacula</i> (Denis & Schiffmüller, 1775)	x	x	x	x	9,10,11	very common	
<i>Ammocoenia senex</i> (Geyer, 1828)	x	x			10,11	rare	Novelo, 20.10.1989 (RŠ); Klariči, 9.11.1991 (RŠ&MZ); Miren - Gmajna, 5.11.1994 (RŠ); Zagrajec, 25.10.2013 (RŠ&MZ)
<i>Trigonophora flammea</i> (Esper, 1785)	x	x	x	x	9,10,11	common	
<i>Aporophyla luteolata</i> (Denis & Schiffmüller, 1775)	x	x	x	x	9,10,11	common	
<i>Aporophyla nigra</i> (Haworth, 1809)	x	x	x	x	10,11	not common	
<i>Aporophyla canescens</i> (Duponchel, 1826)	x	x			9	very rare	Brestovica, 24.9.1994 (MZ); Kobjeglava, 27.9.1997 (RŠ&MZ)
<i>Polymixis rufocincta</i> (Geyer, 1828)	x	x	x		10,11	rare	Klariči, 13.11.1994 (RŠ&MZ); Gorjansko, 29.10.1995 (RŠ&MZ); Kobjeglava, 4.11.1996 (RŠ); Zagrajec, 25.10.2013 (RŠ&MZ)
<i>Mniotype adusta</i> (Esper, 1790)		x			6	very rare	Jirnanec, 4.6.2011 (RŠ&MZ); Kopriva, 27.6.2012 (RŠ)
<i>Mniotype solieri</i> (Boisduval, 1840)	x	x	x		9,10,11	rare	Kostanjevica na Krasu, 4.10.1993 (RŠ); Lipa na Krasu, 10.9.1995 (RŠ&MZ); Dutovlje, 14.10.1998 (RŠ); Povir, 11.10.2013 (RŠ&MZ)
<i>Mniotype satura</i> (Denis & Schiffmüller, 1775)	x	x	x	x	9,10,11	common	
<i>Episema glaucina</i> (Esper, 1789)	x	x			9,10	common	
<i>Cleoceris scoriacea</i> (Esper, 1789)			x		9	very rare	Diviša, 15.9.1999 (RŠ&MZ); Diviša, 15.9.2000 (RŠ&MZ)
<i>Calamia tridens</i> (Hufnagel, 1766)	x				7	very rare	Opatje selo, 17.7.1987 (MZ)
<i>Staurophora celsia</i> (Linnaeus, 1758)		x	x	x	9	common	Diviša, 15.9.1999 (RŠ&MZ); Kazlje, 17.9.2011 (RŠ&MZ); Komen - Jažmerca, 18.9.2012 (RŠ&MZ&BZ); Kopriva, 18.9.2014 (RŠ&MZ&CM)

<i>Gortyna puengelerei</i> (Turati, 1909)	x	x	x	x	9,10	rare	Vojštica, 10.10.1986 (RŠ&MZ); Presejre pri Komnu, 29.10.1995 (RŠ&MZ); Gorjansko, 20.10.1996 (RŠ&MZ); Lokev, 30.9.2011 (RŠ&MZ)
<i>Amphipoea oculatea</i> (Linnaeus, 1761)	x	x	x	x	8,9	very rare	Lipa na Krasu, 10.9.1995 (RŠ&MZ); Jirmanec, 19.8.2011 (RŠ&MZ); Komen, 5.8.2013 (MZ)
<i>Luperina dumerilii</i> (Duponchel, 1826)	x	x	x	x	8,9,10	common	
<i>Rhizedra lutosa</i> (Hübner, 1803)	x	x	x	x	10	very rare	Komen, 21.10.1987 leg. (ML) coll. (RŠ); Opatje Selo, 10.10.1991 (MZ)
<i>Photodes morrisii sohnretheli</i> (Püngeler, 1907)	x	x	x	x	6,7	rare	Opatje selo, 17.6.1994 (RŠ); Kopriva, 26.6.2011 (RŠ)
<i>Globia sparganii</i> (Esper, 1790)	x	x	x	x	7,8	rare	Komen, 5.8.2013 (MZ); Komen, 17.7.2015 (RŠ) - local, at the deserted pond
<i>Apamea epomidon</i> (Haworth, 1809)	x	x	x	x	7	very rare	Kostanjevica na Krasu, 11.7.1994 (RŠ)
<i>Apamea aquila</i> Donzel, 1837	x	x	x	x	7,8	very rare	Škrbina, 18.8.1994 (RŠ); Kostanjevica na Krasu, 19.8.1994 (RŠ); Kostanjevica na Krasu, 4.7.1996 (RŠ); Lipa na Krasu, 12.7.1996 (RŠ)
<i>Apamea crenata</i> (Hufnagel, 1766)	x	x	x	x	5,6	very rare	Opatje selo, 12.5.1989 (RŠ&MZ); Brestovica, 28.6.1995 (RŠ)
<i>Apamea sordens</i> (Hufnagel, 1766)	x	x	x	x	5	very rare	Kobjeglava - Jelenca, 16.5.1996 (RŠ&ML); Lokvica, 25.5.2002 (RŠ&BZ&SG)
<i>Apamea illyria</i> Freyer, 1846	x	x	x	x	5	very rare	Kobjeglava, 18.5.1996 (MZ); Lipa na Krasu, 12.5.2006 (RŠ&MZ); Lipa na Krasu, 19.5.2010 (RŠ&MZ); Jirmanec, 8.5.2015 (RŠ&MZ&BZ&SG)
<i>Apamea scolopacina</i> (Esper, 1788)	x	x	x	x	6,7	very rare	Vojštica, 11.7.1994 (RŠ); Skopo, 26.6.2011 (RŠ); Kopriva, 6.7.2014 (RŠ&CM)
<i>Apamea monoglypha</i> (Hufnagel, 1766)	x	x	x	x	6,7	rare	
<i>Apamea lithoxylaea</i> (Denis & Schiffermüller, 1775)	x	x	x	x	6,7	not common	

<i>Apamea sublustris</i> (Esper, 1788)	x	x	x	x	x	x	x	x	5,6,7,8	not common	Kopriva, 30.5.2011 (RŠ); Podbreže, 28.5.2013 (RŠ&MZ); Krajna vas, 21.5.2014 (RŠ&MZ)
<i>Mesapamea secalis</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	6,7,8,9,10	common	Zagrajec, 2.10.1995 (RŠ) - the latest date
<i>Mesapamea secatella</i> Remm, 1983									7,9	very rare	Lipa na Krasu, 10.9.1995 (RŠ&MZ); Krajna vas, 18.7.2014 (RŠ&MZ)
<i>Mesoligia furuncula</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	x	7,8,9	rare	Dutovlje, 9.8.1994 (RŠ); Lipa na Krasu, 1.8.2009 (RŠ); Jirmanec, 28.7.2012 (RŠ&MZ)
<i>Oligia strigilis</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	5,6,7	not common	
<i>Oligia latruncula</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	x	4,5,6	common	Brije pri Komnu, 25.4.2014 (RŠ&MZ) - the earliest date
<i>Oligia dubia</i> (Heydemann, 1942)	x	x	x	x	x	x	x	x	4,5,6	common	Data in the Chapter regarding interesting species
<i>Anarta trifolii</i> (Hufnagel, 1766)	x	x	x	x	x	x	x	x	4,5,6,7,8,9,10	common	
<i>Polia nebulosa</i> (Hufnagel, 1766)									5	very rare	Komen, 19.5.2011 (RŠ&MZ)
<i>Pachetra sagittigera</i> (Hufnagel, 1766)	x	x	x	x	x	x	x	x	5,6	very common	
<i>Lacanobia w-latinum</i> (Hufnagel, 1766)	x	x	x	x	x	x	x	x	5,6,7	not common	
<i>Lacanobia suasa</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	x	4,5,6,7	rare	
<i>Lacanobia oleracea</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	5,7,8,9,10	rare	
<i>Hada plebeja</i> (Linnaeus, 1761)	x								5	very rare	Kostanjevica na Krasu, 23.5.1987 (RŠ&MZ)
<i>Mamestra brassicae</i> (Linnaeus, 1758)	x	x	x	x	x	x	x	x	5,6,7,8,9	not common	
<i>Sideridis rivularis</i> (Fabricius, 1775)									6	very rare	Gorjansko, 18.6.2007 e. 1.15.5.2007 (MZ)
<i>Sideridis reticulata</i> (Goeze, 1781)	x	x	x	x	x	x	x	x	6,7	rare	Kostanjevica na Krasu, 1.7.1989 (RŠ&MZ); Lokev, 25.6.2010 (RŠ&MZ&BZ&SG&SP); Jirmanec, 14.6.2013 (RŠ&MZ)
<i>Comisania luteago</i> (Denis & Schiffmüller, 1775)	x	x	x	x	x	x	x	x	5,6,7	not common	
<i>Hecatera dysodea</i> (Denis & Schiffmüller, 1775)									8	very rare	Veliki Dol, 13.8.2012 (RŠ)

<i>Hecatera cappa</i> (Hübner, 1809)	x					6	very rare	Kostanjevica na Krasi, 10.6.1989 (RŠ&MZ)
<i>Hadena capsincola</i> (Denis & Schiffermüller, 1775)		x				5	very rare	Kobjeglava, 18.5.1996 (MZ)
<i>Hadena albimaculata</i> (Borkhausen, 1792)	x	x				5	very rare	Komen, 19.5.2011 (RŠ&MZ); Kopriva, 15.5.2013 (RŠ&MZ)
<i>Hadena filograna</i> (Esper, 1788)	x	x				5,6	rare	Kobjeglava - Jelena, 16.5.1996 (RŠ&ML); Ponikve, 12.6.2013 (RŠ)
<i>Hadena perplexa</i> (Denis & Schiffermüller, 1775)	x	x				6,7	rare	Kostanjevica na Krasi, 11.7.1987 (RŠ&MZ); Gorjansko, 8.6.2007 ex l. (MZ)
<i>Tholera cespitis</i> (Denis & Schiffermüller, 1775)	x	x	x			9,10	not common	
<i>Tholera decimalis</i> (Poda, 1761)	x	x	x			9,10	very common	
<i>Mythimna turca</i> (Linnaeus, 1761)	x	x				5,8	very rare	Brje pri Komnu, 22.5.1993 (RŠ&MZ); Klariči, 28.8.1993 (RŠ)
<i>Mythimna conigera</i> (Denis & Schiffermüller, 1775)	x	x				6,7	rare	
<i>Mythimna vitellina</i> (Hübner, 1808)	x	x	x			5,6,9,10	not common	
<i>Mythimna unipuncta</i> (Haworth, 1809)	x	x				10,11	not common	
<i>Mythimna sicula</i> (Treitschke, 1835)	x	x	x			4,5,6,7,8,9	rare	Kostanjevica na Krasi, 15.8.1987 (RŠ&MZ); Opatje selo, 17.6.1994 (RŠ); Gorjansko, 22.5.2009 (RŠ&MZ); Zagrajec, 22.5.2009 (RŠ&MZ)
<i>Mythimna albipuncta</i> (Denis & Schiffermüller, 1775)	x	x	x	x		4,5,6,7,8,9,10, 11	common	
<i>Mythimna ferrago</i> (Fabricius, 1787)	x	x	x			6,7,8,9	not common	
<i>Mythimna l-album</i> (Linnaeus, 1767)	x	x	x	x		3,6,7,8,9,10, 11	common	
<i>Mythimna riparia</i> (Rambur, 1829)	x	x	x			4,5,6,7,8,9	rare	Opatje selo, 21.9.1990 (RŠ&MZ); Kobjeglava, 26.4.1997 (RŠ&MZ); Zagrajec, 22.5.2009 (RŠ&MZ); Jirmanec, 3.9.2015 (RŠ&MZ&CM)

<i>Leucania obsoleta</i> (Hübner, 1803)	x	x		5,6,8	very rare	Kostanjevica na Krasi, 15.8.1987 (RŠ&MZ); Kobjeglava - Jelena, 16.5.1996 (RŠ&ML)
<i>Leucania putrescens</i> (Hübner, 1824)	x	x		8,9	rare	Kostanjevica na Krasi, 25.8.1989 (RŠ&MZ); Klariči, 7.9.1993 (RŠ&MZ); Brje pri Komnu, 25.9.2009 (RŠ&MZ)
<i>Leucania loreyi</i> (Duponchel, 1827)	x	x	x	10,11	not common	
<i>Panolis flammea</i> (Denis & Schiffmüller, 1775)	x	x	x	3,4,5	not common	
<i>Orthostia incerta</i> (Hufnagel, 1766)	x	x	x	2,3,4,5	very common	
<i>Orthostia minitosa</i> (Denis & Schiffmüller, 1775)	x	x	x	3,4,5	not common	
<i>Orthostia cerasi</i> (Fabricius, 1775)	x	x	x	2,3,4,5	very common	
<i>Orthostia cruda</i> (Denis & Schiffmüller, 1775)	x	x	x	2,3,4	very common	
<i>Orthostia gracilis</i> (Denis & Schiffmüller, 1775)	x	x	x	3,4	rare	Kostanjevica na Krasi, 19.3.1990 (RŠ&MZ); Dutovlje, 31.3.1994 (RŠ&MZ); Klariči, 26.3.1995 (RŠ&MZ); Krvavi Potok, 18.4.2013 (RŠ&BZ&SG)
<i>Orthostia opima</i> (Hübner, 1809)	x	x	x	3,4,5	rare	Dutovlje, 25.3.1994 (RŠ&MZ); Klariči, 26.3.1995 (RŠ&MZ); Kazlje, 28.3.2012 (RŠ&MZ); Krvavi Potok, 18.4.2013 (RŠ&BZ&SG)
<i>Orthostia gothica</i> (Linnaeus, 1758)	x	x	x	3,4,5	common	
<i>Anorthoa munda</i> (Denis & Schiffmüller, 1775)	x	x	x	2,3,4	very common	
<i>Perigrappa rorida</i> Frivaldszky, 1835	x			3,4	rare	Data in the Chapter regarding interesting species
<i>Perigrappa i-cinctum slovenica</i> (Micheli 1996)	x		x	4	very rare	Krvavi Potok, 18.4.2013 (RŠ&BZ&SG)
<i>Egira conspiciellaris</i> (Linnaeus, 1758)	x	x	x	3,4,5	common	
<i>Euxoa temera</i> (Hübner, 1808)	x	x	x	9	very rare	Klariči, 7.9.1993 (RŠ&MZ); Kostanjevica na Krasi, 22.9.1993 (RŠ&MZ); Lipa na Krasi, 10.9.1995 (RŠ&MZ); Kazlje, 17.9.2011 (RŠ&MZ)
<i>Euxoa cos</i> (Hübner, 1824)	x			8	very rare	Tennica, 29.8.2008 (MZ)
<i>Agrotis cinerea</i> (Denis & Schiffmüller, 1775)		x		5	very rare	Kobjeglava, 18.5.1996 (MZ); Kobjeglava - Jelena, 6.5.2014 (RŠ&MZ)



<i>Agrotis segetum</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	3,4,5,6,7,8,9, 10,11	common	
<i>Agrotis exclamatoris</i> (Linnaeus, 1758)	x	x	x	x	x	x	5,6,7,8,9,10	common	
<i>Agrotis ipsilon</i> (Hufnagel, 1766)	x	x	x	x	x	x	3,4,5,6,7,8,9, 10,11	common	
<i>Agrotis bigramma</i> (Esper, 1790)	x	x				x	8,9	rare	Opatje selo, 25.8.1989 (RŠ&MZ); Klariči, 7.9.1995 (RŠ&MZ); Jirmanec, 19.8.2011 (RŠ&MZ); Lokev, 25.8.2014 (RŠ)
<i>Peridroma saucia</i> (Hübner, 1808)	x	x	x	x	x	x	8,9,10,11	common	
<i>Axyليا putris</i> (Linnaeus, 1761)	x	x	x				6,7,8	rare	
<i>Ochropleura plecta</i> (Linnaeus, 1761)	x	x	x	x	x	x	5,6,7,8,9	not common	
<i>Chersotis margaritacea</i> (Villers, 1789)	x					x	9,10	very rare	Vojšičica, 16.10.1993 (MZ); Jirmanec, 5.9.2013 (RŠ&MZ)
<i>Noctua pronuba</i> (Linnaeus, 1758)	x	x	x	x	x	x	5,6,7,8,9,10, 11	very common	
<i>Noctua fimbriata</i> (Schreber, 1759)	x	x	x	x	x	x	6,7,8,9,10	common	
<i>Noctua tirrenica</i> Biebinger, Speidel & Hanigk, 1983	x	x	x	x	x	x	9,10	rare	Zagrajec, 30.9.2010 (RŠ); Kazlje, 17.9.2011 (RŠ&MZ); Skopo, 12.10.2011 (RŠ); Jirmanec, 5.9.2013 (RŠ&MZ); Klariči, 27.9.2013 (RŠ&MZ)
<i>Noctua interposita</i> (Hübner, 1790)	x	x	x	x	x	x	7,8,9	rare	Lipa na Krasu, 10.7.1998 (RŠ); Kopriva, 13.8.2011 (RŠ); Jirmanec, 19.8.2011 (RŠ&MZ); Jirmanec, 5.9.2013 (RŠ&MZ)
<i>Noctua comes</i> Hübner, 1813	x	x	x	x	x	x	5,6,7,8,9,10	common	
<i>Noctua interjecta</i> Hübner, 1803	x	x	x	x	x	x	7,8,9	not common	
<i>Noctua janthina</i> Denis & Schiffermüller, 1775	x	x	x	x	x	x	6,7,8,9,10	not common	
<i>Noctua tertia</i> Mentzer & al., 1991						x	8		Jirmanec, 19.8.2011 (RŠ&MZ)
<i>Epilecta linogrisea</i> (Denis & Schiffermüller, 1775)	x	x	x	x	x	x	8,9	not common	

<i>Lycophotia porphyrea</i> (Denis & Schiffmüller, 1775)	x	x	x	x	5,6,7	rare	Lipa na Krasu, 29.5.1997 (RŠ); Lokvica, 25.5.2002 (RŠ&BZ&SG); Kopriva, 10.7.2013 (RŠ)
<i>Diarsia rubi</i> (Vieweg, 1790)	x				5	very rare	Opatje selo, 9.5.1987 (MZ)
<i>Eugnorisma depuncta</i> (Linnaeus, 1761)				x	9	very rare	Jirnanec, 3.9.2015 (RŠ&MZ&CM)
<i>Xestia c-nigrum</i> (Linnaeus, 1758)	x	x	x	x	5,6,7,8,9,10	common	
<i>Xestia triangulum</i> (Hufnagel, 1766)	x	x	x	x	6,7	rare	Gorjansko - Podklanec, 3.7.2009 (RŠ&MZ); Ternica, 21.7.2009 (RŠ&MZ); Kopriva, 6.7.2014 (RŠ&CM)
<i>Xestia stigmatica</i> (Hübner, 1813)	x	x	x	x	8,9	not common	
<i>Xestia castanea</i> (Esper, 1798)	x	x	x	x	9,10	very common	
<i>Xestia xanthographa</i> (Denis & Schiffmüller, 1775)	x	x	x	x	8,9,10	very common	
<i>Cerastis rubricosa</i> (Denis & Schiffmüller, 1775)	x	x	x	x	3,4,5	common	