

PROTECTED BUTTERFLIES FOUND IN PASVALYS ADMINISTRATIVE DISTRICT IN 2007–2009

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Introduction

In Lithuania, like in the whole world, many organisms are at risk of extinction. Pasvalys administrative district is an intensive farming land, almost all the fields are ploughed up or transformed to cultural meadows. This article presents unpublished data on protected species of butterflies registered in Pasvalys administrative district in 2007–2009.

Material and Methods

The material was collected in different habitats of Pasvalys administrative district during May–July 2007–2009. A standard entomological net was used for the collecting of insects. Identification of butterflies was carried out using colour atlas (Ivinskis & Augustauskas, 2004). The material is preserved in the personal collection of the author.

List of localities:

Daujėnai env. (1)	55°58'39,67"N, 24°31'07,50"E
Daujėnai env. (2)	55°58'40,12"N, 24°31'05,60"E
Didžiųjų Grūžių Miškas f. (1)	56°05'46,78"N, 24°12'49,25"E
Didžiųjų Grūžių Miškas f. (2)	56°05'58,15"N, 24°12'22,83"E
Didžiųjų Grūžių Miškas f. (3)	56°05'34,33"N, 24°12'59,95"E
Lepšynės Miškas f.	55°59'05,97"N, 24°11'50,73"E
Medinių Miškas f.	56°06'07,74"N, 24°17'48,06"E
Moliūnų Miškas f.	55°57'11,01"N, 24°29'19,25"E
Ustukai	56°04'42,91"N, 24°21'42,20"E
Ustukai, valley of the river Mūša	56°03'47,48"N, 24°21'13,43"E
Žadiekių Miškas f.	56°00'26,21"N, 24°26'88,40"E

List of species

PAPILIONIDAE

Papilio machaon (Linnaeus, 1758)

Didžiųjų Grūžių Miškas f. (3), 26 05 2009, 1 spec.; Daujėnai env. (2), 18 07 2008, 2 spec.; Medinių Miškas f., 16 17 2007, 1 spec.; Moliūnų Miškas f., 23 07 2008, 2 spec.; Ustukai, 18 05 2007, 1 spec., 22 05 2007, 2 spec., 25 05 2007, 2 spec., 01 06 2007, 2 spec., 14 07 2007, 1 spec., 15 07 2007, 1 spec., 17 07 2007, 1 spec., 06 06 2008, 1 spec.; Ustukai, valley of the river Mūša, 20 07 2007, 3 spec., 27 07 2007, 1 spec., 26 05 2008, 3 spec., 18 05 2009, 1 spec.

LYCAENIDAE

***Lycaena dispar* (Haworth, 1802)**

Ustukiai, valley of the river Mūša, 12 06 2007, 3 spec.; Medinių Miškas f., 16 07 2007, 1 spec.; Daujėnai env., 18 07 2008, 1 spec.

***Plebeius (Aricia) eumedon* (Esper, 1780)**

Didžiųjų Grūžių Miškas f. (1), 20 06 2007, ~10 spec., 14 07 2007, ~10 spec., 16 06 2008, ~15 spec., 04 07 2008, 6 spec., 20 07 2008, 6 spec., 21 06 2009, 13 spec., 28 06 2009, ~30 spec., 28 07 2009, 4 spec.

NYMPHALIDAE

***Coenonympha hero* (Linnaeus, 1761)**

Didžiųjų Grūžių Miškas f. (1), 06 06 2007, ~25 spec., 20 06 2007, ~10 spec., 29 05 2008, 2 spec., 16 06 2008, 5 spec., 26 05 2009, 8 spec., 11 06 2009, 37 spec., 21 06 2009, 7 spec., 28 06 2009, 20 spec.; Lepšynės Miškas f., 31 05 2009, ~15 spec.; Žadiekių Miškas f., 18 06 2009, 1 spec.;

***Euphydryas maturna* (Linnaeus, 1758)**

Lepšynės Miškas f., 19 06 2007, 1 spec., 31 05 2009, 2 spec.

***Lopinga achine* (Scopoli, 1763)**

Didžiųjų Grūžių Miškas f. (2), 06 06 2007, 4 spec., 16 06 2008, ~10 spec., 04 07 2008, 3 spec., 11 06 2009, 1 spec., 21 06 2009, 4 spec., 28 06 2009, 4 spec.; Lepšynės Miškas f., 19 06 2007, ~10 spec.

***Melitaea diamina* (Lang, 1789)**

Didžiųjų Grūžių Miškas f. (1), 06 06 2007, 1 spec., 16 06 2008, 1 spec., 28 06 2009, 10 spec., 11 06 2009, 4 spec.; Lepšynės Miškas f. (1), 31 05 2009, 1 spec.; Žadiekių Miškas f., 18 06 2009, 3 spec.

Discussion

Seven species of butterflies included into the Lithuanian Red Data Book (Rašomavičius, 2007) were registered during the research. There is little data on butterflies of Pasvalys district given in annotated catalogue of P. Ivinskis (2004). V. Bačianskas (2007) published some results, but part of those are from other localities of the district.

Papilio machaon (Linnaeus, 1758) was found in the district earlier, but always just one or two specimens were observed (Bačianskas, 2007). This butterfly was found in various habitats throughout the district during the current research, but usually sparsely.

Lycaena dispar (Haworth, 1802) was found in the district before (Bačianskas, 2007), but Medinių Miškas f. and Daujėnai env. are new localities.

Plebeius (Aricia) eumedon (Esper, 1780) was currently found just in Didžiųjų Grūžių Miškas f., while V. Bačianskas (2007) observed it in Baltpamūšio Miškas f., Dirvonų Miškas f., Januškai and Žalioji Giria f. This butterfly makes a steady population in a semi-natural forest meadow in Didžiųjų Grūžių Miškas forest.

Euphydryas maturna (Linnaeus, 1758) seems to be one of the most local and rare species in the studied territory, as only three specimens were registered in a deciduous forest. V. Bačianskas (2007) indicated more habitats of this butterfly.

Melitaea diamina (Lang, 1789) was found in the district for the first time in the year 2005 (Bačianskas, 2007). Žadiekių Miškas f. is a new locality of this butterfly in the district.

Lopinga achine (Scopoli, 1763) is usually not rare in suitable habitats in Pasvalys district while the biggest population of *Coenonympha hero* (Linnaeus, 1761) was found in Didžiųjų Grūžių Miškas f. in a semi-natural forest meadow.

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Saugomi dieniniai drugiai aptikti Pasvalio rajone 2007–2009 metais

D. UOGINTAS

Santrauka

Straipsnyje pateikiami duomenys apie septynias (*Papilio machaon* (Linnaeus, 1758), *Lycaena dispar* (Haworth, 1802), *Plebeius (Aricia) eumedon* (Esper, 1780), *Euphydryas maturna* (Linnaeus, 1758), *Melitaea diamina* (Lang, 1789), *Lopinga achine* (Scopoli, 1763), *Coenonympha hero* (Linnaeus, 1761)) į Lietuvos raudonąją knygą įrašytas dieninių drugių rūšis, surastas Pasvalio rajone 2007–2009 metais. Kiekvienai rūšiai yra pateikiamos radimo vietos, data ir aptiktų individų skaičius.

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