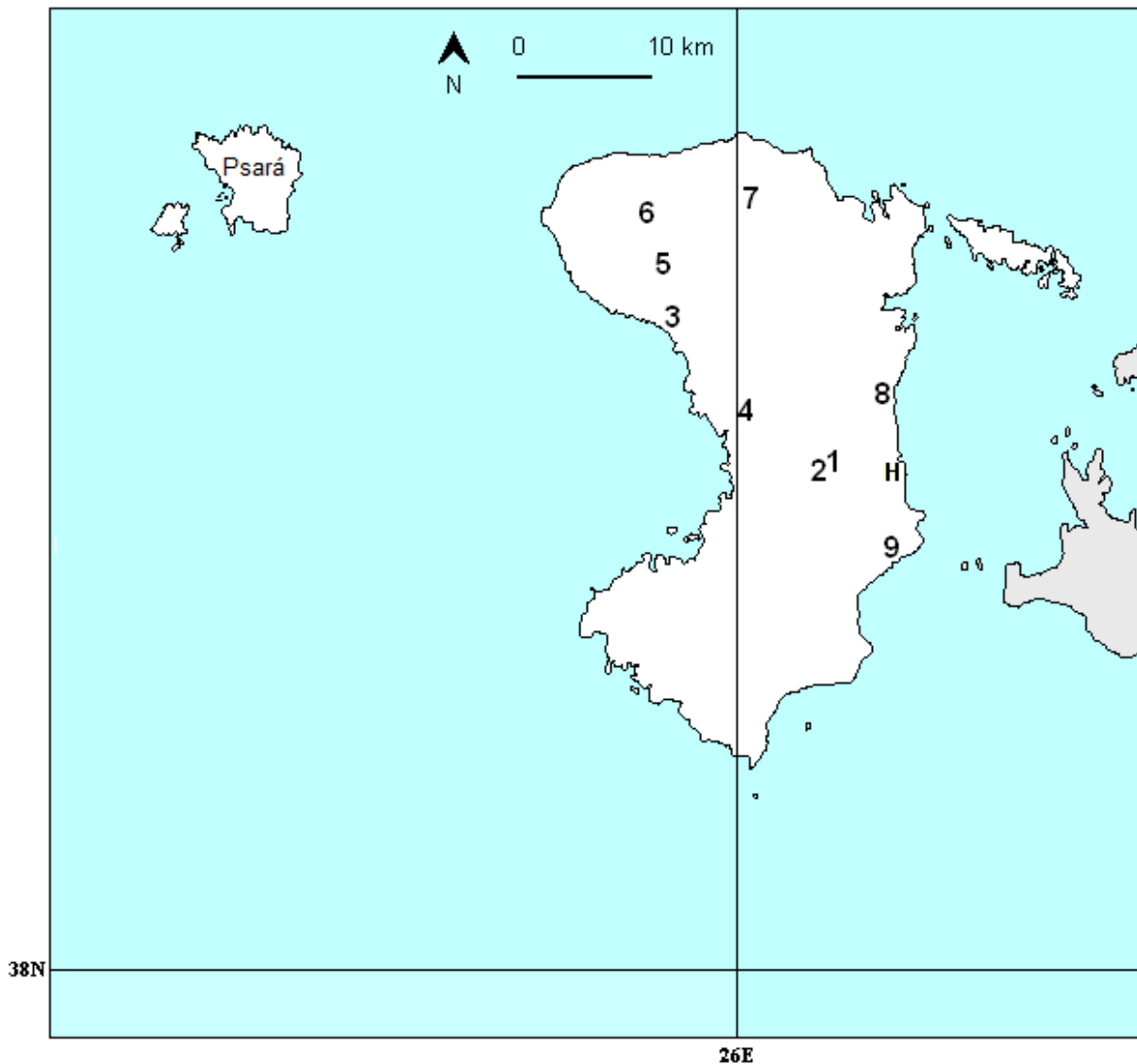


The Butterflies and Skippers of the North Aegean Islands Híos, Psará and Lésvos (Greece). New observations and an update on their distribution (Papilionoidea & Hesperioidea)

Sylvain Cuvelier

Appendix 1a. – Localities (maps) and observations

Híos (26–29.v.2013 & 31.v.2013)



Legend:

H: Híos town (no observations)

1: Kúrnia Monastery

2: Néa Moní Monastery

3: Mánaghros

4: Anávatos

5: N. Volissós

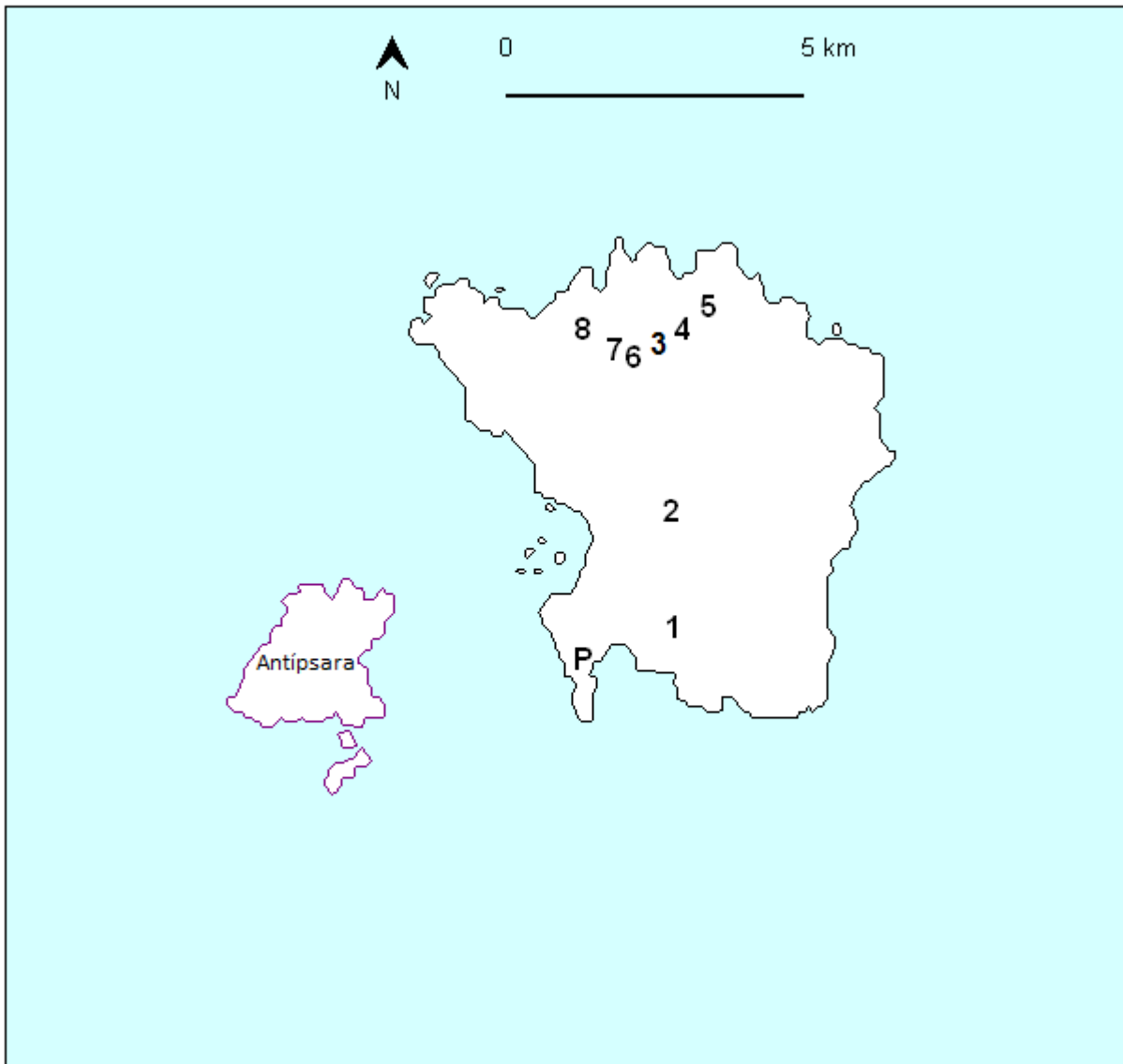
6: Hálanhra

7: Óros Pellinéon

8: Vrondádhos

9: Keramía

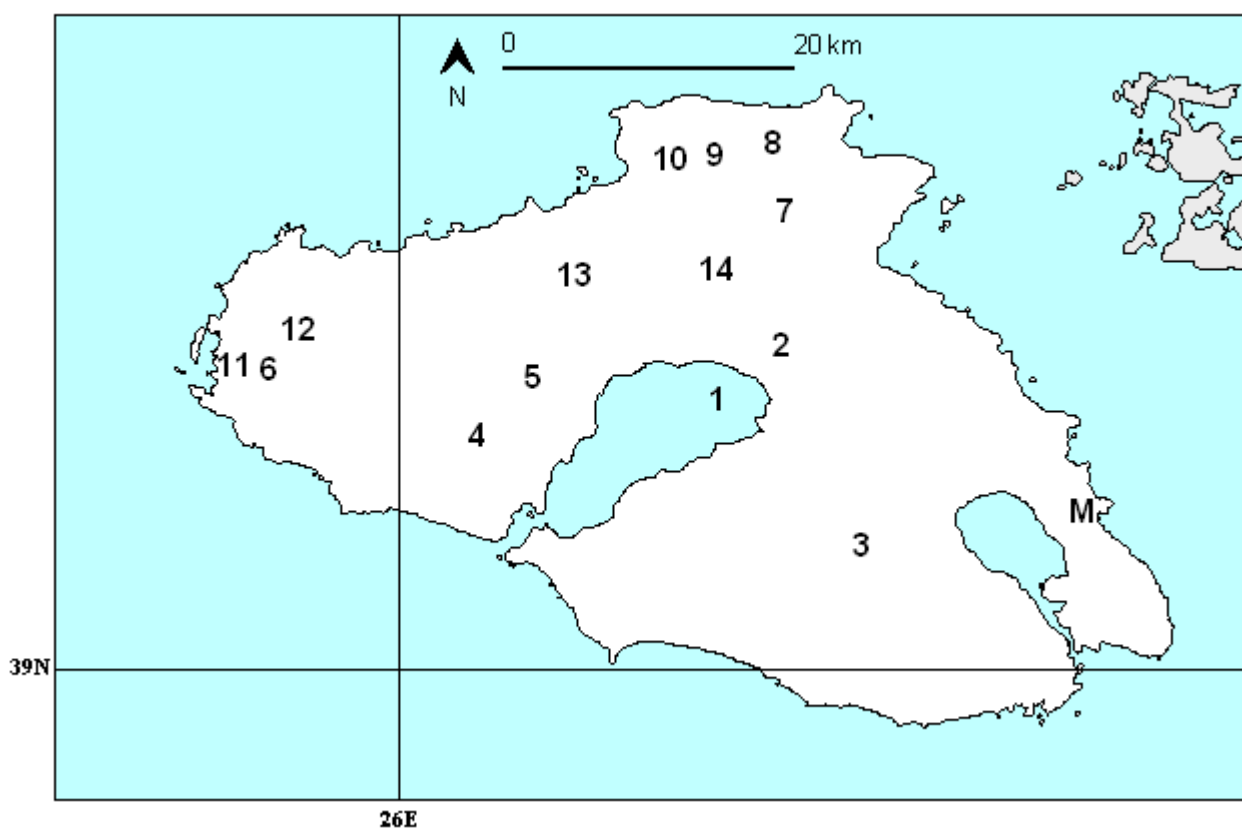
Psará (30.v.2013)



Legend:

- P: Psará town (no observations)
- 1: Ahladhókambos and Nerovíghlia
- 2: Voukoufliás
- 3: Foot of Ághios Ilías
- 4: North of Ághios Ilías
- 5: Kímissi tis Theotóku Monastery
- 6: Valley SW of Ághios Ilías
- 7: SW Áyii Apóstoli
- 8: Zoodhóhos Piyí

Lésvos (01–09.vi.2013)



Legend:

M: Mitilíni town (no observations)

1: Gulf of Kalloní

2: Vassilikí Halinádhu

3: Aghiáσσos – Óros Ólimbos

4: Ághra

5: Profítis Ilías, east of Pterúnda village

6: Pétrino Dháσσos

7: Pelópi

8: Lepétimnos

9: West of Áryenos

10: Eftalú

11: Síghri

12: Moní Ipsilú

13: Fília

14: Nápi, Ghéfira Kremastís

Species	Híos	Psará	Lésvos
Hesperiidae			
<i>Spialia orbifer</i>	1, 2, 4, 5, 6, 7		10
<i>Carcharodus alceae</i>			10, 11
<i>Carcharodus orientalis</i>			7
<i>Erynnis marloyi</i>	1, 6		8
<i>Thymelicus acteon</i>	8, 9	8	1, 11
<i>Thymelicus hyrax</i>			11
<i>Thymelicus sylvestris</i>	1, 2, 3, 4, 5, 6, 8, 9		1, 2, 3, 4, 6, 7, 8, 9, 11, 12
<i>Pelopidas thrax</i>	9		
Papilionidae			
<i>Zerynthia cerisy</i>			3
<i>Papilio alexanor</i>			3
<i>Papilio machaon</i>	4, 5, 6, 8		11, 12, 14
<i>Iphiclydes podalirius</i>	1, 4, 5, 6, 7		3, 4, 8
Pieridae			
<i>Aporia crataegi</i>	1, 2, 4, 6, 7		4, 8
<i>Pieris brassicae</i>	2, 8, 9		1, 3, 4, 7, 8, 9
<i>Pieris krueperi</i>	8		
<i>Pieris napi</i>			3, 8
<i>Pieris rapae</i>	8		1, 2, 3, 7, 8, 9, 11, 12, 14
<i>Pontia edusa</i>	6, 9	1	6, 10, 11, 12, 14
<i>Anthocharis cardamines</i>			3
<i>Colias croceus</i>	1, 2, 4, 5, 6, 7, 8, 9	3, 4, 5, 6, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
<i>Gonepteryx cleopatra</i>	1, 2, 4, 5, 6, 8, 9		1, 2, 3, 4, 7, 8, 9, 11, 12, 14
<i>Leptidea sinapis</i>	2		
Lycaenidae			
<i>Satyrium ilicis</i>	1, 2, 4, 5, 6, 8		2, 3, 7, 8, 9, 10, 12, 14
<i>Satyrium acaciae</i>			3, 8
<i>Favonius quercus</i>			8, 12
<i>Lycaena alciphron</i>			3
<i>Lycaena phlaeas</i>	2, 5, 6, 8	4, 5	1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 14
<i>Callophrys rubi</i>	2		
<i>Lampides boeticus</i>	1, 2, 4, 5, 6, 8, 9	7	1, 3, 6, 8, 9
<i>Leptotes pirithous</i>	9		
<i>Celastrina argiolus</i>	3, 6		1, 3, 7, 8, 9, 11, 14
<i>Glauopsyche alexis</i>	4		
<i>Pseudophilotes vicrama</i>	6, 8, 9	7	11
<i>Aricia agestis</i>	5, 6		2, 3, 4, 6, 7, 8, 9, 11, 12, 14
<i>Polyommatus amandus</i>			3, 8
<i>Polyommatus icarus</i>	3, 5, 6		1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 14
Nymphalidae			
<i>Libythea celtis</i>			3, 5, 8, 9, 10, 12, 14
<i>Limenitis reducta</i>	2, 5, 6		3, 8, 9, 10
<i>Vanessa atalanta</i>	1, 5, 6, 8, 9	1, 5, 7	1, 3, 4, 7, 8, 9,
<i>Vanessa cardui</i>	1, 2, 4, 5, 6, 8, 9	1, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14

Species	Híos	Psará	Lésvos
<i>Nymphalis polychloros</i>	1, 6		1, 2, 3, 4, 7, 8, 14
<i>Polygonia c-album</i>			8
<i>Polygonia egea</i>	8		8, 12
<i>Issoria lathonia</i>			8
<i>Argynnis pandora</i>			1, 3, 4, 5, 8, 11, 12, 14
<i>Argynnis paphia</i>			8, 9, 10
<i>Brenthis daphne</i>			8, 9, 10, 13
<i>Melitaea didyma</i>	1, 2, 4, 5, 6, 9		3
<i>Melitaea telona</i>	1		3, 8
<i>Melitaea trivialis</i>	5, 6		1, 2, 3, 11, 12
<i>Melanargia larissa</i>			1, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14
<i>Hipparchia syriaca</i>	1, 2, 5, 8		1, 3
<i>Hipparchia mersina</i>			4
<i>Hipparchia pellucida</i>			1, 4, 5, 7, 8, 11, 12
<i>Hipparchia senthes</i>	1, 2, 6, 8		12
<i>Pseudochazara anthelea</i>	6, 8		12
<i>Brintesia circe</i>			1, 3, 4, 8, 11, 12, 14
<i>Maniola chia</i>	1, 2, 3, 4, 5, 6, 7, 8, 9		
<i>Maniola jurtina</i>		1, 2, 3, 4, 5, 6, 7, 8	
<i>Maniola megala</i>			1
<i>Maniola telmessia</i>			1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
<i>Hyponphele lupina</i>			7
<i>Coenonympha pamphilus</i>			1, 2, 3, 11, 12, 14
<i>Pararge aegeria</i>			1
<i>Lasiommata megera</i>	1, 2, 4, 5, 6		1, 3, 5, 7, 8, 11, 12
<i>Lasiommata maera</i>	1, 2, 5		8
<i>Kirinia roxelana</i>	1, 2, 5, 6, 8		1, 3, 4, 7, 8, 9, 12, 14

Appendix 1b. – Updated overview of the butterfly distribution in the islands Híos, Psará and Lésvos

Species	Híos	Psará	Lésvos
Hesperiidae			
<i>Pyrgus malvae</i>			x
<i>Spialia orbifer</i>	x		x
<i>Carcharodus alceae</i>	x		x
<i>Carcharodus orientalis</i>			x
<i>Erynnis marloyi</i>	x		x
<i>Thymelicus acteon</i>	x	x	x
<i>Thymelicus hyrax</i>	x		x
<i>Thymelicus sylvestris</i>	x		x
<i>Gegenes nostrodamus</i>	x		x
<i>Gegenes pumilio</i>	x		
<i>Pelopidas thrax</i>	x		x
Papilionidae			
<i>Archon apollinus</i>	x		x
<i>Zerynthia cerisy</i>	x		x
<i>Papilio alexanor</i>			x
<i>Papilio machaon</i>	x		x
<i>Iphiclides podalirius</i>	x		x
Pieridae			
<i>Aporia crataegi</i>	x		x
<i>Pieris brassicae</i>	x		x
<i>Pieris krueperi</i>	x		x
<i>Pieris napi</i>			x
<i>Pieris rapae</i>	x		x
<i>Pontia edusa</i>	x	x	x
<i>Euchloe ausonia</i>	x	x	x
<i>Anthocharis cardamines</i>	x		x
<i>Colias croceus</i>	x	x	x
<i>Gonepteryx cleopatra</i>	x		x
<i>Gonepteryx farinosa</i>	x		x
<i>Leptidea sinapis</i>	x		x
Lycaenidae			
<i>Satyrium ilicis</i>	x		x
<i>Satyrium acaciae</i>			x
<i>Satyrium spini</i>			x
<i>Favonius quercus</i>			x
<i>Lycaena alciphron</i>			x
<i>Lycaena phlaeas</i>	x	x	x
<i>Lycaena thersamon</i>			x
<i>Callophrys rubi</i>	x		x
<i>Lampides boeticus</i>	x	x	x
<i>Leptotes pirithous</i>	x		x
<i>Celastrina argiolus</i>	x		x
<i>Chilades trochylus</i>	x		
<i>Cupido osiris</i>	x		
<i>Glaucopsyche alexis</i>	x	x	x
<i>Pseudophilotes vicrama</i>	x	x	x
<i>Aricia agestis</i>	x		x
<i>Polyommatus amandus</i>			x
<i>Polyommatus icarus</i>	x		x

Species	Híos	Psará	Lésvos
Nymphalidae			
<i>Libythea celtis</i>			x
<i>Danaus chrysippus</i>	x		x
<i>Charaxes jasius</i>	x		dd
<i>Limenitis reducta</i>	x		x
<i>Vanessa atalanta</i>	x	x	x
<i>Vanessa cardui</i>	x	x	x
<i>Nymphalis polychloros</i>	x		x
<i>Nymphalis antiopa</i>	x		x
<i>Polygonia c-album</i>			x
<i>Polygonia egea</i>	x		x
<i>Issoria lathonia</i>	dd		x
<i>Argynnis pandora</i>	x		x
<i>Argynnis paphia</i>			x
<i>Brenthis daphne</i>			x
<i>Melitaea didyma</i>	x		x
<i>Melitaea telona</i>	x		x
<i>Melitaea trivia</i>	x		x
<i>Melanargia larissa</i>			x
<i>Hipparchia syriaca</i>	x		x
<i>Hipparchia mersina</i>			x
<i>Hipparchia pellucida</i>			x
<i>Hipparchia senthes</i>	x		x
<i>Hipparchia fatua</i>	x		x
<i>Pseudochazara anthelea</i>	x		x
<i>Brintesia circe</i>			x
<i>Maniola chia</i>	x		
<i>Maniola jurtina</i>		x	
<i>Maniola megala</i>			x
<i>Maniola telmessia</i>			x
<i>Hyponephele lupina</i>	x		x
<i>Coenonympha pamphilus</i>			x
<i>Pyronia tithonus</i>			x
<i>Pararge aegeria</i>	x		x
<i>Lasiommata megera</i>	x		x
<i>Lasiommata maera</i>	x		x
<i>Kirinia roxelana</i>	x		x
Total / island	58	11	76