

Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

0.1 Member State	IT
0.2.1 Species code	1052
0.2.2 Species name	Hypodryas maturna
0.2.3 Alternative species scientific name	Euphydryas maturna
0.2.4 Common name	N/A

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Complete survey/Complete survey or a statistically robust estimate (3)
1.1.3 Year or period	2007-2012
1.1.4 Additional map	No
1.1.5 Range map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Alpine (ALP)

The present species assessment (fields 0.1-2.9) has been compiled by Fabio Stoch (on behalf of the Comitato Scientifico per la Fauna d'Italia) and Anna Alonzi, Piero Genovesi, Francesca Ronchi (ISPRA). Information, unpublished data and expert judgements have been provided by Emilio Balletto and Simona Bonelli (Torino).

Gallo E, Gianti M, 2003. Sulla presenza in Italia di Euphydryas maturna (Linné, 1758). Doriana 8(335): 1-8

Dolek M., Freese-Hager A., Adi Geyer, Balletto E., Bonelli S., 2012. Multiple oviposition and larval feeding strategies in Euphydryas maturna (Linné, 1758) (Nymphalidae) at two disjoint European sites. Journal of Insect Conservation, doi:

2.3 Range

2.3.1 Surface area - Range (km ²)	100
2.3.2 Method - Range surface area	Complete survey/Complete survey or a statistically robust estimate (3)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	decrease (-)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²) operator much more than (>>) unkown No method Expert opinion based on field survey semiquantitative transects
2.3.10 Reason for change	Genuine Improved knowledge/more accurate dataUse of different method

2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	number of individuals (i)
	min	100 max 1000

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(individuals or agreed exception)	min	100	max	1000
2.4.2 Population size (other than individuals)	Unit	N/A		
	min		max	
2.4.3 Additional information	Definition of locality			
	Conversion method			
	Problems			
2.4.4 Year or period	2007-2012			
2.4.5 Method – population size	Complete survey/Complete survey or a statistically robust estimate (3)			
2.4.6 Short-term trend period	2001-2012			
2.4.7 Short term trend direction	decrease (-)			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	Complete survey/Complete survey or a statistically robust estimate (3)			
2.4.10 Long-term trend period				
2.4.11 Long term trend direction	N/A			
2.4.12 Long-term trend magnitude	min		max	confidence interval
2.4.13 Long-term trend method	N/A			
2.4.14 Favourable reference population	number			
	operator	much more than (>>)		
	unknown	No		
	method	Expert opinion based on field survey		
2.4.15 Reason for change				
2.5 Habitat for the Species				
2.5.1 Surface area - Habitat (km²)				
2.5.2 Year or period				
2.5.3 Method used - habitat	Absent data (0)			
2.5.4 a) Quality of habitat	Moderate			
2.5.4 b) Quality of habitat - method	expert opinion			
2.5.5 Short term trend period	2001-2012			
2.5.6 Short term trend direction	decrease (-)			
2.5.7 Long-term trend period				
2.5.8 Long term trend direction	N/A			
2.5.9 Area of suitable habitat (km²)				
2.5.10 Reason for change	Genuine Improved knowledge/more accurate data	Use of different method		
2.6 Main Pressures				
Pressure		ranking		pollution qualifier(s)
abandonment / lack of mowing (A03.03)		medium importance (M)		N/A
Forestry activities not referred to above (B07)		high importance (H)		N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)		medium importance (M)		N/A
grazing (A04)		medium importance (M)		N/A
2.6.1 Method used – pressures	based exclusively or to a larger extent on real data from sites/occurrences or other			
2.7 Main Threats				

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Threat	ranking	pollution qualifier(s)
abandonment / lack of mowing (A03.03)	medium importance (M)	N/A
Forestry activities not referred to above (B07)	high importance (H)	N/A
collection of animals (insects, reptiles, amphibians.....) (F03.02.01)	low importance (L)	N/A
grazing in forests/ woodland (B06)	low importance (L)	N/A

2.7.1 Method used – threats expert opinion (1)

2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

Most of populations known from Italy before 2007 went extinct; the species is now restricted in Italy to a single site, not protected by a SCI.

2.8.3 Trans-boundary assessment

2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range

assessment Bad (U2)
qualifiers N/A

2.9.2. Population

assessment Bad (U2)
qualifiers N/A

2.9.3. Habitat

assessment Inadequate (U1)
qualifiers N/A

2.9.4. Future prospects

assessment Bad (U2)
qualifiers N/A

2.9.5 Overall assessment of Conservation Status

Bad (U2)

2.9.5 Overall trend in Conservation Status

declining (-)

3. Natura 2000 coverage and conservation measures - Annex II species

3.1 Population

3.1.1 Population Size

Unit N/A
min max

3.1.2 Method used

Absent data (0)

3.1.3 Trend of population size within

N/A

3.2 Conversation Measures

3.2.1 Measure

3.2.2 Type

3.2.3 Ranking

3.2.4 Location

3.2.5 Broad Evaluation

No measure known/
impossible to carry out
specific measures (1.3)

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