

# 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	1060
0.2.2 Species name	Lycaena dispar
0.2.3 Alternative species scientific name	N/A
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	Estimate based on partial data with some extrapolation and/or modelling (2)
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

#### Mediterranean (MED)

### 2.2 Published sources

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 Information, unpublished data and expert judgements have been provided by Emilio Balletto and Simona Bonelli (Torino).

Balletto L, Bonelli S, Cassulo L, 2005. Mapping the Italian butterfly diversity for conservation. In: Kühn E, Feldmann R, Thomas JA, Settele J (eds), Studies on the ecology and conservation of butterflies in Europe. 1. General concepts and case

### 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	5200
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
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 <sup>2</sup> ) operator approximately equal to (≈) unkown No method Expert opinion
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

### 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit	N/A
	min	max
2.4.2 Population size (other than individuals)	Unit	number of map 10x10 km grid cells (grids10x10)
	min	16 max 16

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(other than individuals)	min	16	max	16
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	Estimate based on partial data with some extrapolation and/or modelling (2)			
2.4.6 Short-term trend period	2001-2012			
2.4.7 Short term trend direction	stable (0)			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)			
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 more than (>) unknown No method Expert opinion			
2.4.15 Reason for change				

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )	
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 (km <sup>2</sup> )	
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Canalisation & water deviation (J02.03)	high importance (H)	N/A
lack of flooding (J02.04.02)	high importance (H)	N/A

2.6.1 Method used – pressures	mainly based on expert judgement and other data (2)
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## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Canalisation & water deviation (J02.03)	high importance (H)	N/A
lack of flooding (J02.04.02)	medium importance (M)	N/A

2.7.1 Method used – threats	expert opinion (1)
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## 2.8 Complementary Information

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2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information

The population along Tyrrhenian coasts went extinct during reclamations in years 1920-30

2.8.3 Trans-boundary assessment

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

2.9.1 Range

assessment Favourable (FV)

qualifiers N/A

2.9.2. Population

assessment Inadequate (U1)

qualifiers N/A

2.9.3. Habitat

assessment Inadequate (U1)

qualifiers N/A

2.9.4. Future prospects

assessment Inadequate (U1)

qualifiers N/A

2.9.5 Overall assessment of Conservation Status

Inadequate (U1)

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
Restoring/improving water quality (4.1)	Administrative	medium importance (M)	Inside	Maintain
Restoring/improving the hydrological regime (4.2)	Recurrent One-off	high importance (H)	Inside	Maintain Enhance
Establish protected areas/sites (6.1)	Administrative	high importance (H)	Inside	Maintain Enhance Long term
Legal protection of habitats and species (6.3)	Administrative	medium importance (M)	Inside	Maintain Enhance Long term

## 2. Biogeographical Or Marine Level

2.1 Biogeographical Region

**Continental (CON)**

2.2 Published sources

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

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(Torino).

Distribution data for the following Nature 2000 sites have been removed by the Ministry of Environment (source: Italian Nature 2000 database): IT3120156

Balletto L, Bonelli S, Cassulo L, 2005. Mapping the Italian butterfly diversity for conservation. In: Kühn E, Feldmann R, Thomas JA, Settele J (eds), Studies on the ecology and conservation of butterflies in Europe. 1. General concepts and case studies. Pensoft Publ. Co., Sofia & Moscow, 71–76.

## 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	57600
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
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 <sup>2</sup> ) operator approximately equal to (≈) unknown No method Expert opinion
2.3.10 Reason for change	Improved knowledge/more accurate dataUse of different method

## 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
2.4.2 Population size (other than individuals)	Unit number of map 10x10 km grid cells (grids10x10) min 201 max 201
2.4.3 Additional information	Definition of locality Conversion method not available Problems it is impossible to convert grids into individuals
2.4.4 Year or period	2007-2012
2.4.5 Method – population size	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.6 Short-term trend period	2001-2012
2.4.7 Short term trend direction	stable (0)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)
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 approximately equal to (≈) unknown No method Expert opinion
2.4.15 Reason for change	

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## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )	
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	stable (0)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km <sup>2</sup> )	
2.5.10 Reason for change	Improved knowledge/more accurate data Use of different method

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
modification of cultivation practices (A02)	medium importance (M)	N/A
lack of flooding (J02.04.02)	medium importance (M)	N/A
Canalisation & water deviation (J02.03)	medium importance (M)	N/A

2.6.1 Method used – pressures mainly based on expert judgement and other data (2)

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
modification of cultivation practices (A02)	medium importance (M)	N/A
Canalisation & water deviation (J02.03)	medium importance (M)	N/A
lack of flooding (J02.04.02)	medium importance (M)	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

2.8.3 Trans-boundary assessment

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

2.9.1 Range	assessment Favourable (FV) qualifiers N/A
2.9.2. Population	assessment Favourable (FV) qualifiers N/A
2.9.3. Habitat	assessment Favourable (FV) qualifiers N/A
2.9.4. Future prospects	assessment Favourable (FV) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Favourable (FV)
2.9.5 Overall trend in Conservation Status	N/A

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## 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)
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3.1.3 Trend of population size within	N/A
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### 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
Legal protection of habitats and species (6.3)	Legal	high importance (H)	Both	Long term Unknown

Species name: **Lycaena dispar (1060)** Region code: **CON**

Field label	Note	User
2.3.1 Surface area - Range (km²)	The area of the range (2.3.1) has been calculated also summing up the grid cells of species' presence in the adjacent biogeographical region of marginal presence. Only cells entirely overlapped to the marginal area have been summed up, in order to avoid an overestimation of the overall species' range.	ISPRA_AUNA



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