| 0.1 Member State | п |
|---|-----------------------------|
| 0.2.1 Species code | 1078 |
| 0.2.2 Species name | Callimorpha quadripunctaria |
| 0.2.3 Alternative species scientific name | Euplagia quadripunctaria |
| 0.2.4 Common name | Era, Callimorfa era |

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 expert opinion with no or minimal sampling (1) 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 ot 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 Information, unpublished data and expert judgements have been provided by Alberto Zilli (Rome).

Parenzan P., Porcelli F., 2006. I Macrolepidotteri italiani. Phytophaga, 15 (CD-ROM): 1-1051.

2.3 Range

2.3.1 Surface area - Range (km²) 2.3.2 Method - Range surface area 2.3.3 Short-term trend period 2.3.4 Short-term trend direction 2.3.5 Short-term trend magnitude 2.3.6 Long-term trend period 2.3.7 Long-term trend direction 2.3.8 Long-term trend magnitude 2.3.9 Favourable reference range

30800

Estimate based on partial data with some extrapolation and/or modelling (2)

2001-2012 stable (0)

min max

N/A

min max

area (km²)

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) N/A

Unit

min max

2.4.2 Population size (other than individuals) Unit number of localities (localities) min 50 max 200

2.4.3 Additional information **Definition of locality** Sites where the species was found

Conversion method

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| ii, ii and i species (i iii | | | | |
|--|--|---------------------------------|--|--|
| | Problems | it is impossible to conver | t localities into individuals | |
| 2.4.4 Year or period | 2007-2012 | | | |
| 2.4.5 Method – population size | Estimate based on expert opinion with no or minimal sampling (1) | | | |
| 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 | | dence interval | |
| 2.4.9 Short-term trend method | Estimate based on e | expert opinion with no or minir | mal sampling (1) | |
| 2.4.10 Long-term trend period | | | | |
| 2.4.11 Long term trend direction | N/A | | de contrato de la contrato del contrato de la contrato del contrato de la contrato del contrato de la contrato de la contrato de la contrato del contrato de la contrato del contrato de la contrato del contrato de la contrato del co | |
| 2.4.12 Long-term trend magnitude2.4.13 Long-term trend method | min N/A | max confi | dence interval | |
| 2.4.14 Favourable reference | number | | | |
| population | | imately equal to (≈) | | |
| population | unknown No | imatery equal to (~) | | |
| | _ | opinion | | |
| 2.4.15 Reason for change | Genuine | opililon | | |
| 2.5 Habitat for the Species | | | | |
| 2.5.1 Surface area - Habitat (km²) | 20000 | | | |
| 2.5.2 Year or period | 2007-2012 | | | |
| 2.5.3 Method used - habitat | Estimate based on e | expert opinion with no or mini | mal sampling (1) | |
| 2.5.4 a) Quality of habitat | Good | | | |
| 2.5.4 b) Quality of habitat - method | Expert opinion 2001-2012 | | | |
| 2.5.5 Short term trend period | | | | |
| 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 (km²) | I mana manua al I tra anni la ala | | d:fforcet months of | |
| 2.5.10 Reason for change | improved knowledg | ge/more accurate data Use of o | amerent method | |
| 2.6 Main Pressures | | | | |
| Pressure | | ranking | pollution qualifier(s) | |
| continuous urbanisation (E01.01) | | medium importance (M) | N/A | |
| agricultural intensification (A02.01) | | medium importance (M) | N/A | |
| 2.6.1 Method used – pressures | based only on expe | rt judgements (1) | | |
| 2.7 Main Threats | | | | |
| Threat | | ranking | pollution qualifier(s) | |
| continuous urbanisation (E01.01) | | medium importance (M) | N/A | |
| agricultural intensification (A02.01) | | 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 | | | | |

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

assessment Favourable (FV) 2.9.1 Range qualifiers N/A

2.9.2. Population assessment Favourable (FV)

qualifiers N/A

assessment Favourable (FV)

qualifiers N/A

assessment Favourable (FV)

qualifiers N/A

Favourable (FV)

N/A

Conservation Status

2.9.4. Future prospects

2.9.5 Overall assessment of

2.9.3. Habitat

2.9.5 Overall trend in

Conservation Status

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 | |
|--|-------------------------|--------------------------|----------------|---------------------------------------|--|
| Maintaining grasslands and other open habitats (2.1) | Legal Administrative | medium importance (M) | Both | Maintain Unknown Not evaluated | |
| Legal protection of habita and species (6.3) | ts Legal | high importance (H) | Both | Long term Unknown Not evaluated | |

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

2.2 Published sources

Mediterranean (MED)

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 Alberto Zilli (Rome).

Parenzan P., Porcelli F., 2006. I Macrolepidotteri italiani. Phytophaga, 15 (CD-Rom): 1-1051.

2.3 Range

2.3.1 Surface area - Range (km²)

2.3.2 Method - Range surface area

2.3.3 Short-term trend period

2.3.4 Short-term trend direction

2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

67500

Estimate based on partial data with some extrapolation and/or modelling (2)

2001-2012

stable (0)

min max

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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 (km²) operator approximately equal to (\approx) unkown 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 Unit N/A (individuals or agreed exception) min max 2.4.2 Population size Unit number of localities (localities) (other than individuals) min 150 max 800 2.4.3 Additional information **Definition of locality** Site where a population was recorded Conversion method **Problems** it is impossible to convert localities into individuals 2.4.4 Year or period 2007-2012 2.4.5 Method – population size Estimate based on expert opinion with no or minimal sampling (1) 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 confidence interval min max 2.4.9 Short-term trend method Estimate based on expert opinion with no or minimal sampling (1) 2.4.10 Long-term trend period 2.4.11 Long term trend direction N/A 2.4.12 Long-term trend magnitude confidence interval min max 2.4.13 Long-term trend method N/A number 2.4.14 Favourable reference population operator approximately equal to (≈) unknown No method **Expert opinion** 2.4.15 Reason for change Genuine

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 Good 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 (km²)

2.5.10 Reason for change Genuine Improved knowledge/more accurate data

2.6 Main Pressures

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| Pressure | | ranking | pollution qualifier(s) |
|---|-----------------------------------|-------------------------|------------------------|
| agricultural intensification (A02.01) | | low importance (L) | N/A |
| continuous urbanisation (E01.01) | | low importance (L) | N/A |
| 2.6.1 Method used – pressures | based only on expert | judgements (1) | |
| 2.7 Main Threats | | | |
| Threat | | ranking | pollution qualifier(s) |
| continuous urbanisation (E01.01) | | low importance (L) | N/A |
| agricultural intensification (A02.01) | | 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 | | | |
| 2.8.3 Trans-boundary assessment | | | |
| 2.9 Conclusions (assessment of con | servation status at e | nd of reporting period) | |
| 2.9.1 Range | assessment Favoura qualifiers N/A | ble (FV) | |
| 2.9.2. Population | assessment Favoura qualifiers N/A | ble (FV) | |
| 2.9.3. Habitat | assessment Favoura qualifiers N/A | ble (FV) | |
| 2.9.4. Future prospects | assessment Favoura qualifiers N/A | ble (FV) | |
| 2.9.5 Overall assessment of Conservation Status | Favourable (FV) | | |
| 2.9.5 Overall trend in Conservation Status | N/A | | |

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 |
|---------------------------------------|------------|------------------------|----------------|------------------------|
| Establish protected areas/sites (6.1) | Legal | high importance (H) | Inside | Long term |

2. Biogeographical Or Marine Level

2.1 Biogeographical Region **Continental (CON)**

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2.2 Published sources

The present species assessment (fields 0.1-2.9) has been compiled by Fabio Stoch (on behalf ot 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 Alberto Zilli (Rome).

Parenzan P., Porcelli F. 2006. I Macrolepidotteri italiani. Phytophaga, 15 (CD-Rom): 1-1051.

2.3 Range

2.3.1 Surface area - Range (km²) 2.3.2 Method - Range surface area 2.3.3 Short-term trend period 2.3.4 Short-term trend direction 2.3.5 Short-term trend magnitude

2.3.6 Long-term trend period

2.3.7 Long-term trend direction 2.3.8 Long-term trend magnitude

2.3.9 Favourable reference range

50800

Estimate based on partial data with some extrapolation and/or modelling (2)

2001-2012 stable (0)

min max

N/A

min max

area (km²)

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)

2.4.2 Population size (other than individuals) Unit N/A

min max

Unit number of localities (localities) 100 500 min max

2.4.3 Additional information

Definition of locality

Site where a population was reported

Conversion method

Problems it is impossible to convert localities into individuals

2.4.4 Year or period

2.4.5 Method – population size

2.4.6 Short-term trend period 2.4.7 Short term trend direction

2.4.8 Short-term trend magnitude

2.4.9 Short-term trend method

2.4.10 Long-term trend period

2.4.11 Long term trend direction

2.4.12 Long-term trend magnitude

2.4.13 Long-term trend method 2.4.14 Favourable reference

population

2007-2012

Estimate based on expert opinion with no or minimal sampling (1)

2001-2012

stable (0)

min confidence interval max Estimate based on expert opinion with no or minimal sampling (1)

N/A

confidence interval min max

N/A

number

Genuine

approximately equal to (≈) operator

unknown

method **Expert opinion**

2.4.15 Reason for change

2.5 Habitat for the Species

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| 2.5.1 Surface area - Habitat (km²) 2.5.2 Year or period 2.5.3 Method used - habitat 2.5.4 a) Quality of habitat 2.5.4 b) Quality of habitat - method 2.5.5 Short term trend period | 25000 2007-2012 Estimate based on expert opinion with no or minimal sampling (1) Good Expert opinion 2001-2012 |
|---|--|
| 2.5.6 Short term trend direction 2.5.7 Long-term trend period 2.5.8 Long term trend direction 2.5.9 Area of suitable habitat (km²) | stable (0) N/A |
| 2.5.10 Reason for change | Genuine Improved knowledge/more accurate data |

2.6 Main Pressures

| Pressure | ranking | pollution qualifier(s) |
|---------------------------------------|-------------------------------------|------------------------|
| agricultural intensification (A02.01) | medium importance (M) | N/A |
| continuous urbanisation (E01.01) | medium importance (M) | N/A |
| 2.6.1 Method used – pressures | based only on expert judgements (1) | |

| 2.6.1 Method used – pressures | based only on expert judgements (1) |
|-------------------------------|-------------------------------------|
|-------------------------------|-------------------------------------|

2.7 Main Threats

| Threat | ranking | pollution qualifier(s) |
|---------------------------------------|-----------------------|------------------------|
| agricultural intensification (A02.01) | medium importance (M) | N/A |
| continuous urbanisation (E01.01) | 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 assessment Favourable (FV) 2.9.4. Future prospects qualifiers N/A 2.9.5 Overall assessment of Favourable (FV) **Conservation Status** 2.9.5 Overall trend in N/A

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

3.1 Population

Conservation Status

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| 3.1.1 Population Size | | Unit min | N/A max | | |
|---|-------------|-------------|------------------------|----------------|------------------------|
| 3.1.2 Method used | | Absent d | ata (0) | | |
| 3.1.3 Trend of population | size within | N/A | | | |
| 3.2 Conversation Measu | | | | | |
| 3.2.1 Measure | 3.2.2 Type | | 3.2.3 Ranking | 3.2.4 Location | 3.2.5 Broad Evaluation |
| Legal protection of habitat and species (6.3) | ts Legal | | high importance (H) | Both | Long term Unknown |

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