

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	1042
0.2.2 Species name	<i>Leucorrhinia pectoralis</i>
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	2009-2012
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 Anna Alonzi, Piero Genovesi, Francesca Ronchi (ISPRA - Institute for Environmental Protection and Research). Information, unpublished data and experts' judgments have been provided by: Alex Festi, Cristina Grieco, Sonke Hardersen, Federico Landi e Elisa Riservato (Odonata.it)

Distribution data for the following grid cells have been removed by the Ministry of Environment: 10kmE444N262; 10kmE440N261

Distribution data for the following grid cells have been inserted by the Ministry of Environment: 10kmE442N258

Stoch F., 2011. Monitoraggio e individuazione di misure di conservazione per la fauna acquatica (invertebrati e anfibi) degli habitat igrofili ed idrofili del SIC IT3340006 "Carso Triestino e Goriziano" e della ZPS IT3341002 "Aree carsiche della Venezia Giulia. Relazione interna su incarico della Direzione Centrale risorse rurali, agroalimentari e forestali, Servizio caccia, pesca e ambienti naturali

Fiorenza T., Del Bianco C., Chiendetti I., Uboni C., Zandigiacomo P., 2012. Gli odonati del Friuli Venezia Giulia: risultati di uno studio triennale.. Boll. Soc. Nat. "S. Zenari", Pordenone, 35 (2011): 109-122.

Festi A.: 2012. *Leucorrhinia pectoralis* (C harpentier , 1825) (Odonata: Libellulidae) presso il Lago di Monticolo – importante segnalazione per l'Alto Adige e l'Italia. Gredleriana Vol. 12: 201-207

Macagno A.L.M., Gobbi M., Lencioni V., 2012 The occurrence of *Leucorrhinia pectoralis* (Charpentier, 1825) (Odonata, Libellulidae) in Trentino (Eastern Italian Alps). Studi Trentini di Scienze Naturali Nr. 92: 33-36

AA.VV.2008. Attuazione della Direttiva Habitat e stato di conservazione di habitat e specie in Italia. Ministero dell'Ambiente e della Tutela del Territorio e del Mare.

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48pp.

Banca dati Odonata.it (www.odonata.it)

2.3 Range

2.3.1 Surface area - Range (km ²)	1600
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	decrease (-)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	1986-2012
2.3.7 Long-term trend direction	decrease (-)
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²) operator much more than (>>) unknown No method Expert based on historical and recent data
2.3.10 Reason for change	Genuine Use 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 10 max 10
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	2009-2012
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	decrease (-)
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	1989-2012
2.4.11 Long term trend direction	decrease (-)
2.4.12 Long-term trend magnitude	min max confidence interval
2.4.13 Long-term trend method	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.14 Favourable reference population	number operator much more than (>>) unknown No method Expert opinion
2.4.15 Reason for change	Genuine

2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km ²)	
2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Bad

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2.5.4 b) Quality of habitat - method	Expert based
2.5.5 Short term trend period	2000-2012
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 ²)	
2.5.10 Reason for change	Genuine

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
invasive non-native species (I01)	high importance (H)	N/A
Biocenotic evolution, succession (K02)	high importance (H)	N/A
antagonism arising from introduction of species (K03.05)	high importance (H)	N/A
surface water abstractions for agriculture (J02.06.01)	medium importance (M)	N/A
Changes in abiotic conditions (M01)	medium importance (M)	N/A
intensive grazing (A04.01)	low importance (L)	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)
invasive non-native species (I01)	high importance (H)	N/A
Biocenotic evolution, succession (K02)	high importance (H)	N/A
antagonism arising from introduction of species (K03.05)	high importance (H)	N/A
surface water abstractions for agriculture (J02.06.01)	high importance (H)	N/A
Changes in abiotic conditions (M01)	medium importance (M)	N/A
intensive grazing (A04.01)	low importance (L)	N/A
modification of standing water bodies (J02.05.03)	medium importance (M)	N/A

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

2.8.1 Justification of % thresholds for trends	
2.8.2 Other relevant Information	Experiences from other countries (CH, D) have shown that active conservation measures could improve conservation status of residual populations
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 unknown (x)
2.9.2. Population	assessment Bad (U2) qualifiers unknown (x)
2.9.3. Habitat	assessment Bad (U2) qualifiers declining (-)
2.9.4. Future prospects	assessment Bad (U2) qualifiers unknown (x)
2.9.5 Overall assessment of Conservation Status	Bad (U2)

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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

Legal protection of habitats
and species (6.3)

Legal

high importance
(H)

Both

Long term
Unknown
Not evaluated

Species name: Leucorrhinia pectoralis (1042) Region code: ALP

Field label	Note	User
2.3.1 Surface area - Range (km ²)	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
2.9.4a Conclusion - future	Experiences from other countries (CH, D) have shown that active conservation measures could improve conservation status of residual populations	ISPRA_ AUNA
2.5.4a Quality of habitat	One of the two known populations (Torbiera d'Iseo) is presumed extinct due to introduced crayfish	ISPRA_ AUNA



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