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	**1026**
0.2.2 Species name	**Helix pomatia**
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Chiocciola, Chiocciola romana

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 2.2 Published sources	**Continental (CON)** 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 Information, unpublished data and expert judgements have been provided by Marco Bodon (Genova). Birindelli S., 2006. Guida alle specie liguri della Rete Natura 2000. Schede per il riconoscimento, la gestione, il monitoraggio. Regione Liguria, pp. 35-46. Ketmaier V. Fiorentino V., Tiedemann R., Manganelli G., Giusti F., 2007. Morphological and molecular characterization of the Roman snail Helix pomatia with data on the phylogeny of thegenus Helix (Pulmonata, Helicidae). World Congress of Malacology, Antwerp, Belgium, 15-20 July 2007, Abstract Book: 113. Banche dati del Museo Friulano di Storia Naturale di Udine. Stoch F. (cur.), 2003. Monitoraggio della componente faunistica dei Biotopi Naturali del Friuli Venezia Giulia. Relazione finale, inedita, del Museo Friulano di Storia Naturale di Udine consegnata all'Azienda dei Parchi e delle Foreste della Regione Autonoma Friuli Venezia Giulia in base a convenzione. Governatori G. (cur.), 2004. Monitoraggio di Bioindicatori di pascoli e faggete. Relazione finale, inedita, del Museo Friulano di Storia Naturale di Udine consegnata all'Ente Parco Naturale delle Prealpi Giulie in base a convenzione. Glerean P. (cur.), 2008. Biodiversità del Parco Naturale delle Prealpi Giulie. Monitoraggio faunistico di Invertebrati in ambienti naturali dell'area meridionale. Relazione finale, inedita, del Museo Friulano di Storia Naturale di Udine consegnata all'Ente Parco Naturale delle Prealpi Giulie in base a convenzione.

2.3 Range

2.3.1 Surface area - Range (km²)	23900
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)

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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 (km²)
	operator approximately equal to (≈)
	unkown No
	method Expert opinon
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 127 max 127
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	decrease (-)
2.4.8 Short-term trend magnitude	min max confidence interval
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	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 (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)	

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2.5.10 Reason for change	Genuine Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Taking and removal of animals (terrestrial) (F03.02)	high importance (H)	N/A
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	medium importance (M)	N/A

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

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Taking and removal of animals (terrestrial) (F03.02)	high importance (H)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	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	Inadequate (U1)
	qualifiers	declining (-)
2.9.3. Habitat	assessment	Inadequate (U1)
	qualifiers	unknown (x)
2.9.4. Future prospects	assessment	Inadequate (U1)
	qualifiers	declining (-)
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	N/A		
3.1.3 Trend of population size within	N/A		

3.2 Conversation Measures

2. Biogeographical Or Marine Level

2.1 Biogeographical Region	**Alpine (ALP)**

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

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 Marco Bodon (Genova).

Ruffo S., Stoch F. (eds.), 2006 - Checklist and distribuito of the Italian fauna. 10,000 terrestri and inland waters species. Memorie del Museo Civico di Storia Naturale di Verona, 2.serie, Sezione Scienze della Vita, 17: 307 pp. + CD-ROM Banche dati del Museo Friulano di Storia Naturale di Udine.
STOCH F. (cur.), 2003. Monitoraggio della componente faunistica dei Biotopi Naturali del Friuli Venezia Giulia.
Relazione finale, inedita, del Museo Friulano di Storia Naturale di Udine consegnata all'Azienda dei Parchi e
delle Foreste della Regione Autonoma Friuli Venezia Giulia in base a convenzione.
GOVERNATORI G. (cur.), 2004. Monitoraggio di Bioindicatori di pascoli e faggete. Relazione finale, inedita, del
Museo Friulano di Storia Naturale di Udine consegnata all'Ente Parco Naturale delle Prealpi Giulie in base a
convenzione.
GLEREAN P. (cur.), 2008. Biodiversità del Parco Naturale delle Prealpi Giulie. Monitoraggio faunistico di
Invertebrati in ambienti naturali dell'area meridionale. Relazione finale, inedita, del Museo Friulano di Storia
Naturale di Udine consegnata all'Ente Parco Naturale delle Prealpi Giulie in base a convenzione.

2.3 Range

2.3.1 Surface area - Range (km²)	33700	
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 (km²)	
	operator	approximately equal to (≈)
	unkown	No
	method	Expert opinion
2.3.10 Reason for change	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	204	max	204
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	decrease (-)
2.4.8 Short-term trend magnitude	min max confidence interval
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	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	Use of different method

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	Improved knowledge/more accurate data Use of different method

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Taking and removal of animals (terrestrial) (F03.02)	high importance (H)	N/A

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

2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Taking and removal of animals (terrestrial) (F03.02)	high importance (H)	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	Inadequate (U1)
	qualifiers	declining (-)

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

2.9.3. Habitat	assessment	Favourable (FV)
	qualifiers	N/A
2.9.4. Future prospects	assessment	Inadequate (U1)
	qualifiers	declining (-)
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	N/A			
3.1.3 Trend of population size within	N/A			

3.2 Conversation Measures

Notes

Species name: Helix pomatia (1026) 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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