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	**1077**
0.2.2 Species name	**Hyles hippophaes**
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Sfinge dell'olivello spinoso

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	**Continental (CON)**
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 Information, unpublished data and expert judgements have been provided by Alberto Zilli (Rome).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)	1700	
2.3.2 Method - Range surface area	Estimate based on expert opinion with no or minimal sampling (1)	
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 (km²)	
	operator	much more than (>>)
	unkown	No
	method	Expert opinion
2.3.10 Reason for change	Improved knowledge/more accurate data	

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 localities (localities)		
	min	3	max	6
2.4.3 Additional information	Definition of locality	Site where a population was recorded		
	Conversion method	not available		

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	Problems	it is impossible to convert locality 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	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	much 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)	
2.5.10 Reason for change	Genuine

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A
removal of stone walls and embankments (A10.02)	medium importance (M)	N/A
sand and gravel quarries (C01.01.01)	medium importance (M)	N/A
roads, motorways (D01.02)	high importance (H)	N/A
large scale water deviation (J02.03.01)	high importance (H)	N/A
canalisation (J02.03.02)	medium importance (M)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	high importance (H)	N/A
modifying structures of inland water courses (J02.05.02)	high importance (H)	N/A
railway lines, TGV (D01.04)	medium importance (M)	N/A
pipe lines (D02.02)	medium importance (M)	N/A
temperature changes (e.g. rise of temperature & extremes) (M01.01)	medium importance (M)	N/A
droughts and less precipitations (M01.02)	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)
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A
removal of stone walls and embankments (A10.02)	medium importance (M)	N/A
sand and gravel quarries (C01.01.01)	medium importance (M)	N/A
roads, motorways (D01.02)	high importance (H)	N/A
large scale water deviation (J02.03.01)	high importance (H)	N/A
canalisation (J02.03.02)	high importance (H)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	high importance (H)	N/A
modifying structures of inland water courses (J02.05.02)	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	Bad (U2)
	qualifiers	N/A
2.9.2. Population	assessment	Bad (U2)
	qualifiers	N/A
2.9.3. Habitat	assessment	Inadequate (U1)
	qualifiers	declining (-)
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	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)**

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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)	2000		
2.3.2 Method - Range surface area	Estimate based on expert opinion with no or minimal sampling (1)		
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 (km²)		
	operator	more than (>)	
	unkown	No	
	method	Expert opinion	
2.3.10 Reason for change	Improved knowledge/more accurate data		

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 localities (localities)		
	min	10	max	15
2.4.3 Additional information	Definition of locality	Site where a population was recorded		
	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 expert opinion with no or minimal sampling (1)			
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

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

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

2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A
removal of stone walls and embankments (A10.02)	medium importance (M)	N/A
sand and gravel quarries (C01.01.01)	medium importance (M)	N/A
roads, motorways (D01.02)	medium importance (M)	N/A
large scale water deviation (J02.03.01)	high importance (H)	N/A
canalisation (J02.03.02)	high importance (H)	N/A
modifying structures of inland water courses (J02.05.02)	high importance (H)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	high importance (H)	N/A
railway lines, TGV (D01.04)	medium importance (M)	N/A
pipe lines (D02.02)	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)
removal of hedges and copses or scrub (A10.01)	medium importance (M)	N/A
removal of stone walls and embankments (A10.02)	medium importance (M)	N/A
sand and gravel quarries (C01.01.01)	medium importance (M)	N/A
roads, motorways (D01.02)	high importance (H)	N/A
large scale water deviation (J02.03.01)	high importance (H)	N/A
canalisation (J02.03.02)	high importance (H)	N/A
modifying structures of inland water courses (J02.05.02)	high importance (H)	N/A
anthropogenic reduction of habitat connectivity (J03.02)	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)

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

2.9.1 Range	assessment	Inadequate (U1)
	qualifiers	declining (-)
2.9.2. Population	assessment	Inadequate (U1)
	qualifiers	declining (-)
2.9.3. Habitat	assessment	Inadequate (U1)
	qualifiers	declining (-)
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