0.1 Member State	ΙΤ
0.2.1 Species code	1994
0.2.2 Species name	Hydromantes strinatii
0.2.3 Alternative species scientific name	Speleomantes strinatii
0.2.4 Common name	Geotritone di Strinati

1. National Level

1.1 Maps

1.1.1 Distribution Map

1.1.1a Sensitive species

1.1.2 Method used - map

1.1.3 Year or period

1.1.4 Additional map

1.1.5 Range map

Yes

No

Complete survey/Complete survey or a statistically robust estimate (3)

2000-2012

No

Yes

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 Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica). Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco.

Lanza, B., Pastorelli, C., Laghi, P., Cimmaruta, R., 2007. Famiglia Plethodontidae Gray, 1859, In Fauna d'Italia, Vol. XLII: Amphibia. eds B. Lanza, F. Andreone, M.A. Bologna, C. Corti, E. Razzetti, pp. 141-174. Calderini, Bologna.

Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma.

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

7400

Complete survey/Complete survey or a statistically robust estimate (3)

2001-2012 stable (0)

min max

N/A

min max

area (km²)

operator approximately equal to (≈)

unkown No

method Expert judgement

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

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2.4.2 Population size	Unit n	umber of m	nap 10x1	0 km grid	d cells (grids10x10)
(other than individuals)	min 6	0	max	60	
2.4.3 Additional information	Definition (of locality			
	Conversion	method			
	Problems				
2.4.4 Year or period	2000-2012				
2.4.5 Method – population size			nplete su	rvey or a	a statistically robust estimate (3)
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 b	ased on pa	rtial data	with so	me extrapolation and/or modelling (2)
2.4.10 Long-term trend period2.4.11 Long term trend direction	N/A				
2.4.12 Long-term trend unection 2.4.12 Long-term trend magnitude	min		max		confidence interval
2.4.13 Long-term trend method	N/A		max		connactice interval
2.4.14 Favourable reference	number				
population	operator	approxin	nately ed	ıual to (≈	·)
	unknown	No			
	method	Expert ju	idgemen	t	
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	2000-2012				
2.5.3 Method used - habitat	Absent da	ta (0)			

2.5.1 Surface area - Habitat (km²)	
2.5.2 Year or period	2000-2012
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	the interstitial habitats where it live are present through the species range
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

2.6 Main Pressures		
Pressure	ranking	pollution qualifier(s)
forestry clearance (B02.02)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	high importance (H)	N/A
Drying out (K01.03)	medium importance (M)	N/A
Mining and quarrying (C01)	medium importance (M)	N/A
mountaineering, rock climbing, speleology (G01.04)	high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)	medium importance (M)	N/A

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

2.7 Main Threats

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Threat	ranking	pollution qualifier(s)
forestry clearance (B02.02)	medium importance (M)	N/A
Pollution to surface waters (limnic & terrestrial, marine & brackish) (H01)	medium importance (M)	N/A
human induced changes in hydraulic conditions (J02)	high importance (H)	N/A
Drying out (K01.03)	medium importance (M)	N/A
Mining and quarrying (C01)	medium importance (M)	N/A
mountaineering, rock climbing, speleology (G01.04)	high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)	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)

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

Favourable (FV)

N/A

qualifiers N/A

2.9.5 Overall assessment of

Conservation Status

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

No measures needed for the conservation of the habitat/species (1.1) ()

2. Biogeographical Or Marine Level

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2.1 Biogeographical Region

2.2 Published sources

Continental (CON)

The present species assessment (fields 0.1-2.9) has been compiled by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica). Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco.

Distribution data for the following Nature 2000 sites have been inserted by the Ministry of Environment (source: Italian Nature 2000 database): IT4020006; IT4030009

Lanza, B., Pastorelli, C., Laghi, P., Cimmaruta, R., 2007. Famiglia Plethodontidae Gray, 1859, In Fauna d'Italia, Vol. XLII: Amphibia. Eds B. Lanza, F. Andreone, M.A. Bologna, C. Corti, E. Razzetti, pp. 141-174. Calderini, Bologna.

Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma.

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

4200

Complete survey/Complete survey or a statistically robust estimate (3)

2001-2012 stable (0)

min max

N/A

min max

area (km²)

operator approximately equal to (\approx)

unkown

method Expert judgement

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)

min 27 max 27

2.4.3 Additional information

Definition of locality

Conversion method

Problems

Unit

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

2000-2012

Complete survey/Complete survey or a statistically robust estimate (3)

number of map 10x10 km grid cells (grids10x10)

2001-2012

stable (0)

confidence interval min max

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

N/A

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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	number		
population	operator	approximately equal to (≈)	
	unknown method	No Expert judgement	
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 2.5.4 a) Quality of habitat 2.5.4 b) Quality of habitat - method 2.5.5 Short term trend period 2.5.6 Short term trend direction 2.5.7 Long-term trend period 2.5.8 Long term trend direction	2000-2012 Absent dat Good the intersti 2001-2012 stable (0)	a (0) tial habitats where it live are pr	esent through the species range
2.5.9 Area of suitable habitat (km²) 2.5.10 Reason for change	Improved k	knowledge/more accurate data	
2.6 Main Pressures			
Pressure		ranking	pollution qualifier(s)
Forest and Plantation management $\&$	use (B02)	low importance (L)	N/A
Mining and quarrying (C01)		medium importance	e (M) N/A
mountaineering, rock climbing, speleo	logy (G01.04)	high importance (H)	N/A
Pollution to surface waters (limnic & to brackish) (H01)	errestrial, mar	ine & medium importance	e (M) N/A
human induced changes in hydraulic conditions (J02)) high importance (H)	N/A
reduction or loss of specific habitat features (J03.01)		medium importance	e (M) N/A
Drying out (K01.03)		low importance (L)	N/A
2.6.1 Method used – pressures	mainly bas	ed on expert judgement and otl	her data (2)
2.7 Main Threats			man Harathanian (1979) (1975)
Threat	(2002)	ranking	pollution qualifier(s)
Forest and Plantation management &	use (B02)	low importance (L)	N/A
Mining and quarrying (C01)	1, 1000, 500	medium importance	
mountaineering, rock climbing, speleo		high importance (H)	<u> </u>
Pollution to surface waters (limnic & te brackish) (H01)	errestrial, mar	ine & medium importance	e (M) N/A
human induced changes in hydraulic co	onditions (J02) high importance (H)	N/A
	reduction or loss of specific habitat features (J03.01)		(NA) NI/A
reduction or loss of specific habitat fea	itures (J03.01)	medium importance	e (M) N/A
reduction or loss of specific habitat fea Drying out (K01.03)	itures (J03.01)	low importance (L)	N/A

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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

assessment Favourable (FV)

qualifiers N/A

2.9.3. Habitat assessment Favourable (FV)

qualifiers N/A

assessment Favourable (FV)

qualifiers N/A

Favourable (FV)

N/A

2.9.5 Overall assessment of Conservation Status

2.9.5 Overall trend in

2.9.4. Future prospects

2.9.2. Population

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

Measures needed, but not ()

implemented (1.2)

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 Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco (Societas Herpetologica Italica). Information, unpublished data and experts' judgments have been provided by Anna Rita Di Cerbo, Francesco Ficetola, Roberto Sindaco.

Lanza, B., Pastorelli, C., Laghi, P., Cimmaruta, R., 2007. Famiglia Plethodontidae Gray, 1859, In Fauna d'Italia, Vol. XLII: Amphibia. eds B. Lanza, F. Andreone, M.A. Bologna, C. Corti, E. Razzetti, pp. 141-174. Calderini, Bologna.

Rondinini, C., Battistoni, A., Peronace, V., Teofili, C. (compilatori). 2013. Lista Rossa IUCN dei Vertebrati Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente, del Territorio e del Mare, Roma.

2.3 Range

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ii) it alia t species (/ iiii	iek 5)
 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 	3000 Complete survey/Complete survey or a statistically robust estimate (3) 2001-2012 stable (0) min max N/A min max
2.3.10 Reason for change	area (km²) operator approximately equal to (≈) unkown No method Expert judgement 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	Unit number of map 10x10 km grid cells (grids10x10)
(other than individuals)	min 23 max 23
2.4.3 Additional information	Definition of locality
	Conversion method Problems
2.4.4 Year or period2.4.5 Method – population size2.4.6 Short-term trend period2.4.7 Short term trend direction	2000-2012 Complete survey/Complete survey or a statistically robust estimate (3) 2001-2012 stable (0)
2.4.8 Short-term trend magnitude2.4.9 Short-term trend method2.4.10 Long-term trend period	min max confidence interval Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.11 Long term trend direction2.4.12 Long-term trend magnitude2.4.13 Long-term trend method2.4.14 Favourable reference	N/A min max confidence interval N/A number
population	operator approximately equal to (≈) unknown No method Expert judgement
2.4.15 Reason for change	Improved knowledge/more accurate data
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 2.5.4 a) Quality of habitat 	2000-2012 Absent data (0) Good the interstitial habitate where it live are present through the species range
2.5.4 b) Quality of habitat - method	the interstitial habitats where it live are present through the species range

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2001-2012

stable (0)

N/A

2.5.5 Short term trend period

2.5.7 Long-term trend period2.5.8 Long term trend direction

2.5.6 Short term trend direction

2.5.9 Area of suitable habitat (km²)2.5.10 Reason for change

Improved knowledge/more accurate data

2.6 Main Pressures			
Pressure		ranking	pollution qualifier(s)
forestry clearance (B02.02)		medium importance (M)	N/A
Pollution to surface waters (limnic & tell brackish) (H01)	rrestrial, marine &	medium importance (M)	N/A
human induced changes in hydraulic co	nditions (J02)	high importance (H)	N/A
Drying out (K01.03)		medium importance (M)	N/A
Mining and quarrying (C01)		medium importance (M)	N/A
mountaineering, rock climbing, speleolo	ogy (G01.04)	high importance (H)	N/A
reduction or loss of specific habitat feat	cures (J03.01)	medium importance (M)	N/A
2.6.1 Method used – pressures	mainly based on exp	pert judgement and other data	(2)
2.7 Main Threats			
Threat		ranking	pollution qualifier(s)
forestry clearance (B02.02)		medium importance (M)	N/A
Pollution to surface waters (limnic & ten brackish) (H01)	rrestrial, marine &	medium importance (M)	N/A
human induced changes in hydraulic co	nditions (J02)	high importance (H)	N/A
Drying out (K01.03)		medium importance (M)	N/A
Mining and quarrying (C01)		medium importance (M)	N/A
mountaineering, rock climbing, speleolo	ogy (G01.04)	high importance (H)	N/A
reduction or loss of specific habitat feat	cures (J03.01)	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			

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

2.5 Conclusions (assessment of con	ilisel vation status at end of re
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 min	N/A max			
3.1.2 Method used	Absent da	Absent data (0)			
3.1.3 Trend of population size v	vithin N/A				
3.2 Conversation Measures					
3.2.1 Measure 3.2	2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation	
Legal protection of habitats Legal and species (6.3)		medium importance (M)	Both	Not evaluated	

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