

# 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	1384
0.2.2 Species name	<i>Riccia breidlerii</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	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 Stefania Ercole and Valeria Giacanelli (Institute for Environmental Protection and Research - ISPRA).

ALEFFI M., SCHUMACKER R., 1995 - Check-list and red-list of the liverworts (Marchantiophyta) and hornworts (Anthocerotophyta) of Italy. *Fl. Medit.* 5:73-161.

ALEFFI M., TACCHI R., CORTINI PEDROTTI C., 2008 – Check-list of the Hornwort, Liverworts and Mosses of Italy. *Bocconea*, 22: 1-256.

CORTINI C., 2001 - *Riccia breidlerii*. In: Pignatti S., Menegoni P., Giacanelli V. (eds.), *Liste rosse e blu della flora italiana*: 66. ANPA, Roma.

E.C.C.B., 1995 – Red Data Book of European Bryophytes. E.C.C.B. (The European Committee for Conservation of Bryophytes), Trondheim. 291 pp.

MISERERE L., 2011 - *Riccia breidlerii* Jur. Ex Steph. *Inf. Bot. It.*, 43 (2): 447-448.

ROSSI G., MONTAGNANI C., GARGANO D., PERUZZI L., ABELI T., RAVERA S., COGONI A., FENU G., MAGRINI S., GENNAI M., FOGGI B., WAGENSOMMER R.P., VENTURELLA G., BLASI C., RAIMONDO F.M., ORSENIGO S. (Eds.), 2013 - *Lista Rossa della Flora Italiana*. 1. Policy Species e altre specie minacciate. Comitato Italiano IUCN; Ministero dell'Ambiente e della Tutela del Territorio e del Mare.

SCHNYDER N., BERGAMINI A., HOFMANN H., MÜLLER N., SCHUBIGER-BOSSARD C., URMI E., 2004 – *Lista Rossa delle Briofite minacciate in Svizzera*. Editori: UFAFP, FUB e NISM. Collana dell' UFAFP: Ambiente – Esecuzione. 101 pp.

SCHUMACKER R., MARTINY PH., 1996 – Threatened bryophytes in Europe including Macaronesia. In: European Committee for Conservation of Bryophytes (ed.), *Red Data Book of European Bryophytes*, part 2: 31-193. Trondheim.

SCHUMACKER R., SOLDAN Z., ALEFFI M., MISERERE L., 1999 - The bryophyte flore of the Gran Paradiso national park (Aosta Valley and Piedmont, Italy) and its immediate surrounding: a synthesis. *Lejeunia*, 160: 1-107

SCHUMACKER R., SOLDÁN Z., ALEFFI M., MISERERE L., 1999 – The bryophyte flora of the Gran Paradiso National Park (Aosta Valley and Piedmont, Italy) and its immediate surroundings: a synthesis. *Lejeunia*, 160: 1-107.

SOCIETÀ BOTANICA ITALIANA, 2012. *Valutazione nazionale della categoria di*

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rischio di estinzione per specie vegetali di pregio e di interesse conservazionistico. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Società Botanica Italiana (dati inediti).

## 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	900		
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 (km <sup>2</sup> )		
	operator	approximately equal to (≈)	
	unkown	No	
	method	Expert judgment	
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 localities (localities)		
	min	3	max	3
2.4.3 Additional information	Definition of locality	localities= sites where the presence of the species is confirmed		
	Conversion method			
	Problems	no data available for the number of individuals		
2.4.4 Year or period	2011			
2.4.5 Method – population size	Complete survey/Complete survey or a statistically robust estimate (3)			
2.4.6 Short-term trend period	2001-2012			
2.4.7 Short term trend direction	unknown (x)			
2.4.8 Short-term trend magnitude	min		max	confidence interval
2.4.9 Short-term trend method	Absent data (0)			
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 judgment		
2.4.15 Reason for change	Use of different method			

## 2.5 Habitat for the Species

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2.5.1 Surface area - Habitat (km <sup>2</sup> )	
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 based
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 (km <sup>2</sup> )	
2.5.10 Reason for change	

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
No threats or pressures (X)	()	N/A

2.6.1 Method used – pressures	based only on expert judgements (1)
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## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
non intensive mixed animal grazing (A04.02.05)	medium importance (M)	N/A
avalanche (L04)	low importance (L)	N/A
collapse of terrain, landslide (L05)	low importance (L)	N/A
Changes in abiotic conditions (M01)	low importance (L)	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

Italian Red List (2013): EN Assessment criteria B1ab (iii) 2Ab (iii)  
 Sources: MISERERE L., 2011 - *Riccia breidlerii* Jur. Ex Steph. Inf. Bot. It., 43 (2): 447-448.  
 ROSSI G., MONTAGNANI C., GARGANO D., PERUZZI L., ABELI T., RAVERA S., COGONI A., FENU G., MAGRINI S., GENNAI M., FOGGI B., WAGENSOMMER R.P., VENTURELLA G., BLASI C., RAIMONDO F.M., ORSENIGO S. (Eds.), 2013 - Lista Rossa della Flora Italiana. 1. Policy Species e altre specie minacciate. Comitato Italiano IUCN; Ministero dell'Ambiente e della Tutela del Territorio e del Mare.

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 stable (=)
2.9.3. Habitat	assessment Favourable (FV) qualifiers N/A

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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	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 Administrative	high importance (H)	Inside	Unknown
Legal protection of habitats and species (6.3)	Legal Administrative	high importance (H)	Both	Unknown

## Species name: Riccia breidleri (1384)

Field label	Note	User
1.1.1 Distribution Map	Data sources: SOCIETÀ BOTANICA ITALIANA, 2012. Valutazione nazionale della categoria di rischio di estinzione per specie vegetali di pregio e di interesse conservazionistico. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Società Botanica Italiana (dati inediti). REGIONE VALLE D'AOSTA (Raccolta dati per articolo 17, 2012).	ISPRA_F LORA

## Species name: Riccia breidleri (1384) Region code: ALP

Field label	Note	User
2.4.1c Population size (other than individuals) - Max	"3 microstazioni". Fonte: MISERERE L., 2011 - Riccia breidleri Jur. Ex Steph.Inf. Bot. It., 43 (2): 447-448. La Regione VDA segnala 2 maglie di presenza per la specie. Tali maglie non si sovrappongono a quelle derivanti dai dati SBI 2012, sono state quindi aggiunte alla distribuzione.	ISPRA_F LORA