

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

SPECIES NAME: **Luronium natans**

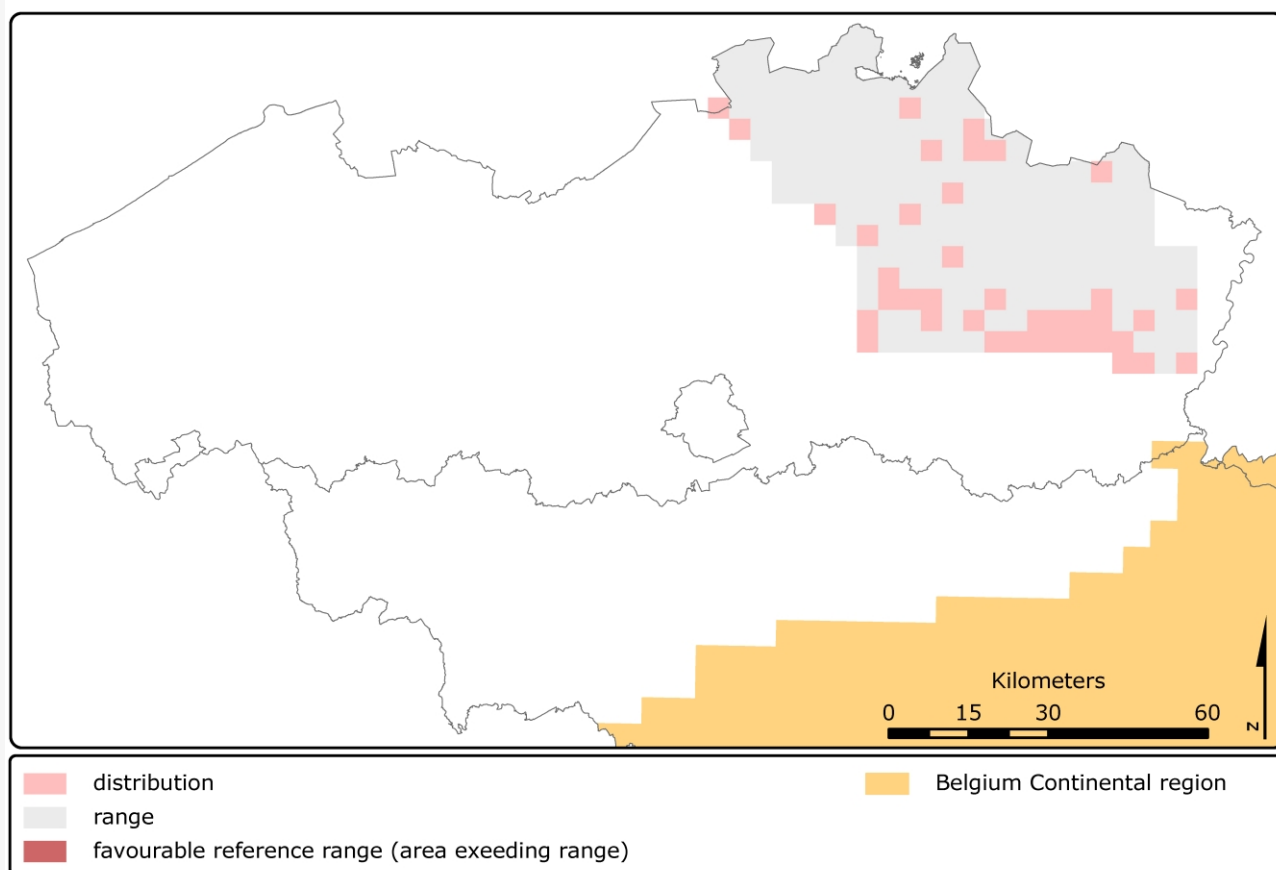
## 1. National level

Biogeographic regions and/or marine regions concerned in the MS: **ATL CON**

## 2. Biogeographical or marine level

### 2.1 Biogeographical region or marine region: Atlantic

Van Landuyt W. (2008) Conservation status of the Natura 2000 species Floating Water Plantain (*Luronium natans*) for the Belgian Atlantic region, In: Paelinckx D., Van Landuyt W. & De Bruyn L. (ed.). Conservation status of the Natura 2000 habitats and species. Report of the Research Institute for Nature and Forest, INBO.R.2008.15. Brussels. In prep



#### 2.2 Published sources and/or websites

<http://www.inbo.be/natura2000be> Ronse A. (2006). *Luronium natans*. In: Van Landuyt, W. et al. (Red). Atlas van de Flora van Vlaanderen en het Brussels Gewest. Instituut voor natuur en bosonderzoek, Nationale Plantentuin van België en Flo.Wer.

### 2.3 Range of species in the biogeographic region or marine region

2.3.1 Surface range of the species in km<sup>2</sup> 3409

2.3.2 Date of range determination 1994-2006

2.3.3 Quality of data concerning range	Good e.g based on extensive surveys
2.3.4 Range trend	Decreasing (-)
2.3.5 Range trend magnitude (km <sup>2</sup> ) - optional	N/A
2.3.6 Range trend period	1994-2006
2.3.7 Reasons for reported trend	Indirect anthropo(zoo)genic influence
Other (specify)	N/A

## 2.4 Population of the species in the biogeographic region or marine region

2.4.1 Population size estimation		
Minimum population	Maximum population	Population units
39	39	Grids
2.4.2 Date of population estimation	1994-2006	
2.4.3 Method used for population estimation	From comprehensive inventory	
2.4.4 Quality of population data	Good e.g based on extensive surveys	
2.4.5 Population trend	Unknown (X)	
2.4.6 Population trend magnitude	N/A	
2.4.7 Population trend period	1994-2006	
2.4.8 Reasons for reported trend	Unknown	
Other (specify)	N/A	
2.4.9 Justification of % thresholds for trends (optional)	N/A	
2.4.10 Main pressures	120 Fertilisation 200 Fish and Shellfish Aquaculture 402 - discontinuous urbanisation 430 Agricultural structures 701 - water pollution 810 Drainage 952 - eutrophication	
2.4.11 Threats	110 Use of pesticides 120 Fertilisation 200 Fish and Shellfish Aquaculture 402 - discontinuous urbanisation 430 Agricultural structures 701 - water pollution 803 - infilling of ditches, dykes, ponds, pools, marshes or pits 853 - management of water levels 952 - eutrophication 953 - acidification 971 - competition	

## 2.5 Habitat for the species in the biogeographic region or marine region

2.5.1 Habitats for the species	3130 Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or Isoeto-Nanojuncetea 3260 Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation
2.5.2 Area estimation (km <sup>2</sup> )	5
2.5.3 Date of estimation	1997-2006
2.5.4 Quality of the data	Good e.g based on extensive surveys
2.5.5 Trend of the habitat	Stable (=)
2.5.6 Trend period	1994-2006
2.5.7 Reasons for reported trend	Direct human influence (restoration, deterioration, destruction)

Other (specify)	N/A	
2.6 Future prospects for the species	Bad prospects - species likely to be become extinct in the biogeographical region	
<b>2.7 Complementary information</b>		
2.7.1 Favourable reference range (km <sup>2</sup> )	3409	
2.7.2 Favourable reference population	39	
2.7.3 Suitable habitat for the species	5	
2.7.4 Other relevant information	N/A	
<b>Conclusion</b>	<b>Biogeographical or marine level</b>	<b>Conclusions within Natura 2000 sites (optional)</b>
(2.3) Range	Favourable (FV)	N/A
(2.4) Population	Bad (U2)	N/A
(2.5) Habitat for the species	Bad (U2)	N/A
(2.6) Future prospects	Bad but improving (U2+)	N/A
Overall assessment	Bad (U2)	N/A