# 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 | **1093** |
| 0.2.2 Species name | **Austropotamobius torrentium** |
| 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 | 2007-2012 |
| 1.1.4 Additional map | No |
| 1.1.5 Range map | Yes |

## 2. Biogeographical Or Marine Level

| | |
|---|---|
| 2.1 Biogeographical Region | **Alpine (ALP)** |
| 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 Information, unpublished data and expert judgements have been provided by Fabio Stoch (Rome).<br><br>De Luise G., 2010. I crostacei decapodi di acqua dolce in Friuli Venezia Giulia. Recenti acquisizioni sul comportamento e sulla distribuzione nelle acque dolci della Regione. Venti anni di studi e ricerche. Ente Tutela Pesca, Regione Autonoma Friuli Venezia Giulia, 94 pp. |

### 2.3 Range

| | | |
|---|---|---|
| 2.3.1 Surface area - Range (km²) | 100 | |
| 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 | 1 | max | 1 |

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

| | | | |
|---|---|---|---|
| 2.4.3 Additional information | Definition of locality | | |
| | Conversion method | | |
| | Problems | | |
| 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 | unknown (x) | | |
| 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; reported in literature | |
| 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 | 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 |

## 2.6 Main Pressures

| Pressure | ranking | pollution qualifier(s) |
|---|---|---|
| Leisure fishing (F02.03) | medium importance (M) | N/A |
| diffuse pollution to surface waters due to agricultural and forestry activities (H01.05) | high importance (H) | Nitrogen input ( N) |
| invasive non-native species (I01) | medium importance (M) | N/A |
| Canalisation & water deviation (J02.03) | 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) |
|---|---|---|
| Flooding modifications (J02.04) | high importance (H) | N/A |
| modifying structures of inland water courses (J02.05.02) | high importance (H) | N/A |
| small hydropower projects, weirs (J02.05.05) | high importance (H) | N/A |

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

| | | |
|---|---|---|
| problematic native species (I02) | medium importance (M) | N/A |
| Hunting, fishing or collecting activities not referred to above (F06) | 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 | The species present in Italy only in water courses drained by the Daubian Basin; however the extension of th ebasin in Italy is quite large, but few populations are know up to now. It is mainly threatened by introduction of brown trout and possibilities of introduction of other, non-indigenous crayfishes. |
| 2.8.3 Trans-boundary assessment | |

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

| | | |
|---|---|---|
| 2.9.1 Range | assessment | Inadequate (U1) |
| | qualifiers | stable (=) |
| 2.9.2. Population | assessment | Bad (U2) |
| | qualifiers | unknown (x) |
| 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 | 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 | 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 |
|---|---|---|---|---|
| Legal protection of habitats and species (6.3) | Legal | high importance (H) | Both | Long term<br>Unknown |