

# Black Sea Non-Native Fish List



**Black Sea Commission Publication**  
**Compiled by Maria Yankova**



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## CONTENTS

|                                                                                                                                 |              |
|---------------------------------------------------------------------------------------------------------------------------------|--------------|
|  <b>Pictures of Black Sea non- native fish</b> | <b>5-11</b>  |
|  <b>Black Sea non- native fish list</b>        | <b>12-14</b> |
|  <b>References</b>                             | <b>15-16</b> |

### Abbreviations used:

-  BS states: **BG**- Bulgaria; **GE**- Georgia; **RO**- Romania; **RU**- Russian Federation; **TU**- Turkey; **UA**- Ukraine
-  **NA** - North America, **NE** - North Europe, **AO** - Atlantic Ocean, **MS** - Mediterranean Sea, **PO** - Pacific Ocean, **IO** – Indian Ocean, **EW** - European water bodies, **Co** – Cosmopolitan, **SE** - South-Eastern Asia, **Au** – Australia, **Af** - African water bodies, **CS** - Caspian Sea, **BS** - Black Sea

### Each species description includes the following information:

- Names: full scientific name, common names in English;
- Taxonomy: family, order;
- Year of the first occurrence in national waters;
- Place of the first occurrence in national waters;

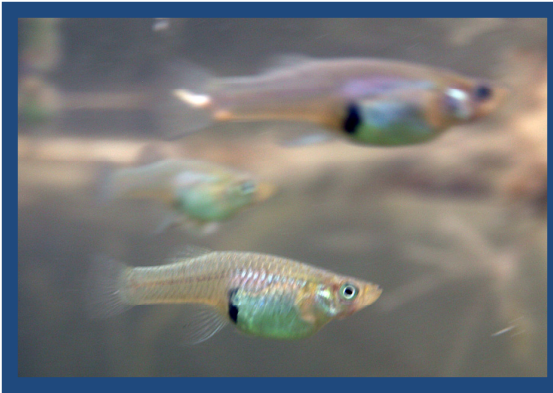


1. *Carassius gibelio* (Bloch, 1782)

**English:** Prussian carp

**Family:** Cyprinidae

**Order:** Cypriniformes



2. *Gambusia holbrooki* (Girard, 1859)

**English:** Eastern mosquitofish

**Family:** Poeciliidae

**Order:** Cyprinodontiformes



3. *Gobius cruentatus* Gmelin, 1789

**English:** Red-mouth Goby

**Family:** Gobiidae

**Order:** Perciformes



4. *Gobius xanthocephalus* Heymer et Zander, 1992

**English:** Yellow headed goby  
**Family:** Gobiidae  
**Order:** Perciformes



5. *Millerigobius macrocephalus* (Kolombatovič, 1891)

**English:** Large-headed Goby  
**Family:** Gobiidae  
**Order:** Perciformes



6. *Tridentiger trionocephalus* Gill, 1859

**English:** Chameleon goby  
**Family:** Gobiidae  
**Order:** Perciformes



**7. *Pomatoschistus bathi* Miller, 1982**

**English:** Bath's goby  
**Family:** Gobiidae  
**Order:** Perciformes



**8. *Heniochus acuminatus* (Linnaeus, 1758)**

**English:** Pennant coralfish  
**Family:** Chaetodontidae  
**Order:** Perciformes



**9. *Lepomis gibbosus* (Linnaeus, 1758)**

**English:** Pumpkinseed  
**Family:** Centrarchidae  
**Order:** Perciformes



10. *Lithognathus mormyrus* (Linne, 1758)

**English:** Sand steenbras  
**Family:** Sparidae  
**Order:** Perciformes  
**Picture by** Patzner, R.



11. *Morone saxatilis* (Walbaum, 1792)

**English:** Striped bass  
**Family:** Moronidae  
**Order:** Gadiformes



12. *Liza haematocheila* (Temmnick et Schlegel, 1845)

**English:** So-iuy mullet  
**Family:** Mugilidae  
**Order:** Mugiliformes



13. *Parablennius incognitus* (Bath, 1968)

English: Pygmy blenny  
Family: Blenniidae  
Order: Perciformes



14. *Sardinella aurita* Valenciennes, 1847

English: Round sardinella  
Family: Clupeidae  
Order: Clupeiformes



15. *Sphyraena sphyraena* (Linnaeus, 1758)

English: European barracuda  
Family: Sphyraenidae  
Order: Perciformes





16. *Sphyraena pinguis* Günther, 1874

**English:** Red Barracuda  
**Family:** Sphyraenidae  
**Order:** Perciformes



17. *Micromesistius poutassou* (Risso, 1827)

**English:** Blue whiting  
**Family:** Gadidae  
**Order:** Gadiformes



18. *Syngnathus acus* Linnaeus, 1758

**English:** Greater pipefish  
**Family:** Syngnathidae  
**Order:** Syngnathiformes



19. *Sarpa salpa* (Linnaeus, 175)

**English:** Salema  
**Family:** Sparidae  
**Order:** Perciformes



20. *Umbra krameri* Walbaum, 1792

**English:** European mudminnow  
**Family:** Umbridae  
**Order:** Esociformes

| Name of Species                                                                                                         | Year of the first occurrence in national waters |       |    |    |      |      | Place of the first occurrence in national waters |                   |               |    |                 |                                                          | Cited in                                                        | Don or area |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------|----|----|------|------|--------------------------------------------------|-------------------|---------------|----|-----------------|----------------------------------------------------------|-----------------------------------------------------------------|-------------|
|                                                                                                                         | BG                                              | GE    | RO | RU | TR   | UA   | BG                                               | GE                | RO            | RU | TR              | UA                                                       |                                                                 |             |
| 1. <i>Carassius gibelio</i> (Bloch, 1782)                                                                               |                                                 |       |    |    |      | 1987 |                                                  |                   |               |    |                 |                                                          | (Salehova <i>et al.</i> , 1987; Boltachev <i>et al.</i> , 2009) |             |
| 2. <i>Gambusia holbrooki</i> (Girard, 1859)                                                                             |                                                 |       |    |    |      | 2003 |                                                  |                   | Danu be Delta |    |                 | Crimea: Sevastopol Bay                                   | Manea, 1985; Aleksandrov <i>et al.</i> , 2007; TDA, 2007        | NA          |
| 3. <i>Gobius cruentatus</i> Gmelin, 1789                                                                                |                                                 |       |    |    | 2006 | 2002 |                                                  |                   |               |    | BS coastal zone | Coast of Turkey; Bays of Sevastopol near Sevastopol Gulf | Engin <i>et al.</i> , 2007; Boltachev <i>et al.</i> , 2009      | AO, MS      |
| 4. <i>Gobius xanthocephalus</i> Heymer et Zander, 1992 (initially identified as <i>Cabotia schmidtii</i> de Buen, 1930) |                                                 | 2000s |    |    |      | 1967 |                                                  | Coast of Abkhazia |               |    |                 | Coastal Zone of the Crimea                               | Boltachev <i>et al.</i> , 2009                                  | AO, MS      |
| 5. <i>Millerigobius macrocephalus</i> (Kolombatovič, 1891)                                                              |                                                 |       |    |    |      | 2009 |                                                  |                   |               |    |                 | Crimea: Sevastopol Bay                                   | Boltachev <i>et al.</i> , 2010                                  | MS          |
| 6. <i>Tridentiger trigonocephalus</i> Gill, 1859                                                                        |                                                 |       |    |    |      | 2006 |                                                  |                   |               |    |                 | Sevastopol Gulf                                          | Boltachev, A and Karpova, E. 2010; Muammer Oral, 2010           | PO          |
| 7. <i>Pomatoschistus bathi</i> Miller, 1982                                                                             |                                                 |       |    |    |      | 2000 |                                                  |                   |               |    |                 | Crimea coast near Sevastopol                             | Boltachev, A and Karpova, E. 2010                               | MS          |

|                                                          | Year of the first occurrence in national waters |      |      |    |      |      | Place of the first occurrence in national waters |              |                |            |                 |                                   | Cited in                                                               | Don or area |
|----------------------------------------------------------|-------------------------------------------------|------|------|----|------|------|--------------------------------------------------|--------------|----------------|------------|-----------------|-----------------------------------|------------------------------------------------------------------------|-------------|
|                                                          | BG                                              | GE   | RO   | RU | TR   | UA   | BG                                               | GE           | RO             | RU         | TR              | UA                                |                                                                        |             |
| 8. <i>Heniochus acuminatus</i> (Linnaeus, 1758)          |                                                 |      |      |    |      | 2003 |                                                  |              |                |            |                 | Crimea (Bala klava Bay)           | Boltachev and Astachov, 2004;                                          |             |
| 9. <i>Lepomis gibbosus</i> (Linnaeus, 1758) fresh        |                                                 |      |      |    |      |      |                                                  |              | Danu be Delta  |            |                 | Danube Delta                      | Busnita, 1929; Aleksandrov <i>et. al.</i> , 2007; TDA, 2007            | NA          |
| 10. <i>Lithognatus mormyrus</i> (Linne, 1758)            |                                                 |      | 1980 |    |      |      |                                                  |              | Shelf area     |            |                 |                                   | Stanciu and Ilie, 1980; TDA, 2007                                      | AO, MS      |
| 11. <i>Morone saxatilis</i> (Walbaum, 1792)              |                                                 | 1965 |      | +  |      | 1965 |                                                  | Coastal zone |                |            |                 | NWBS: Dniester liman              | Zaitsev and Öztürk, 2001; Aleksandrov <i>et. al.</i> , 2007; TDA, 2007 | NA          |
| 12. <i>Liza haematocheila</i> Temmnick et Schlegel, 1845 |                                                 | 1975 | 1975 |    | 1992 | 1968 | Shelf area                                       | Shelf area   | Shelf area     | Shelf area | Shelf area      | NWBS limans, Molochny liman in SA | Aleksandrov <i>et. al.</i> , 2007; TDA, 2007                           | PO          |
| 13. <i>Parablennius incognitus</i> (Bath, 1968)          |                                                 |      |      |    |      | 2002 |                                                  |              |                |            |                 | Crimea coast near Sevastopol      | Boltachev <i>et al.</i> , 2009                                         | AO, MS      |
| 14. <i>Sardinella aurita</i> Valenciennes, 1847          |                                                 |      |      |    | 1997 | 1999 |                                                  |              |                |            |                 | Crimea: Balaklava Bay             | Aleksandrov <i>et. al.</i> , 2007                                      | AO, PO      |
| 15. <i>Sphyraena sphyraena</i> (Linnaeus, 1758)          |                                                 |      | 1905 |    |      | 1905 | Coastal area                                     |              | Coastal waters |            | Bosporus region | Odessa coast                      | Boltachev, 2009                                                        | AO          |

| Name of Species                                   | Year of the first occurrence in national waters |    |    |    |      |      | Place of the first occurrence in national waters |    |    |    |                                | Cited in                      | Don or area                                                      |        |
|---------------------------------------------------|-------------------------------------------------|----|----|----|------|------|--------------------------------------------------|----|----|----|--------------------------------|-------------------------------|------------------------------------------------------------------|--------|
|                                                   | BG                                              | GE | RO | RU | TR   | UA   | BG                                               | GE | RO | RU | TR                             |                               |                                                                  | UA     |
| 16. <i>Sphyraena pinguis</i> Günther, 1874        |                                                 |    |    |    |      | 1999 |                                                  |    |    |    |                                | Balaklava Bay                 | Boltachev and Yurakhno, 2002                                     | PO     |
| 17. <i>Micromesistius poutassou</i> (Risso, 1827) |                                                 |    |    |    |      | 1999 |                                                  |    |    |    |                                | Cape Aiya                     | Boltachev <i>et al.</i> , 1999                                   | AO     |
| 18. <i>Syngnathus acus</i> Linnaeus, 1758         |                                                 |    |    |    | 2006 | 2006 |                                                  |    |    |    | BS coastal zone                | River mouth of Chernaya river | Boltachev <i>et al.</i> , 2009                                   | AO     |
| 19. <i>Sarpa sarpa</i> (Linnaeus, 1758)           |                                                 |    |    |    | 1998 | 1999 |                                                  |    |    |    | Sinop-Samsun rocky, vegetation | Crimea                        | Bat, L., Erdem, Y., Ustaoglu, S., Yardim, Ö., Satilmis, H., 2005 | AO, MS |
| 20. <i>Umbra krameri</i> Walbaum, 1792            | 2010                                            |    |    |    |      |      |                                                  |    |    |    |                                |                               | Raykov V. <i>et al.</i> , 2010                                   | EW     |

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