

**THE BLACK SEA BIODIVERSITY AND LANDSCAPE CONSERVATION PROTOCOL  
to the Convention on the Protection of the Black Sea Against Pollution  
(Bucharest Convention)**

**ANNEX II**

**LIST OF SPECIES OF BLACK SEA IMPORTANCE**

Criteria used for compiling the ANNEX II “List of Species of the Black Sea Importance”:

- The 5 categories of species that fall under IUCN criteria: extinct (EX), critically endangered (CE), endangered (EN), vulnerable (VU), data deficient (DD) shall form these group of species if they are defined in the Black Sea Coastal States.
- The species for which conservation status is legally defined. The National Red Data Books as one of the information source for species status are not available in all Black Sea Coastal states and have different legal status. In those countries where the Red Data Book does not have legal power the national legislation exists on protected species.
- Rare species inventory available in the Black Sea coastal states could form another group of candidate species of the Black Sea importance.
- Species currently protected by international agreements, like Bern Convention, ACCOBAMS, etc.
- Species with high degree of sensitivity to eutrophication (e.g. for algae case - S/W<sub>p</sub>-specific surface of population less than 20 m<sup>2</sup>.kg<sup>-1</sup>), which in the same time are specific community.
- The Annex II “List of Species of the Black Sea Importance” shall be updated every five years according to Annex 3, Article 2, Paragraph 1 of the Black Sea Biodiversity and Landscape Conservation Protocol.

**ALGA**

1. *Cladostephus spongiosus* (Hudson) C.Agardh, 1817 (ex- *C. verticillatus* (Lightfoot) Lyngbye, 1819)
2. *Coccotylus truncatus* (Pallas) M.J.Wynne & J.N.Heine 1992 (ex- *Phyllophora brodiaei* (Turner) J. Agardh, 1842)
3. *Codium vermilara* (Olivi) Delle Chiaje 1829
4. *Corallina officinalis* Linnaeus, 1758
5. *Cystoseira barbata* (Stackhouse) C.Agardh, 1820
6. *Cystoseira crinita* Duby, 1830
7. *Gelidium spinosum* (S.G.Gmelin) P.C.Silva in Silva, Basson & Moe, 1996 (ex-*G. latifolium* (Grev.) Bornet ex Hauck 1883)
8. *Laurencia coronopus* J. Agardh 1852
9. *Nemalion helminthoides* (Vellay) Batters, 1902

10. *Osmundea pinnatifida* (Hudson) Stackhouse, 1809 (ex- *Laurencia pinnatifida* (Hudson) J.V.Lamouroux 1813)
11. *Padina pavonica* (Linnaeus) Thivy in W.R. Taylor, 1960
12. *Palisada perforata* (Bory de Saint-Vincent) K.W.Nam, 2007 (ex- *Laurencia papillosa* (C.Agardh) Greville 1830)
13. *Phyllophora crispa* (Hudson) P.S. Dixon, 1964 (ex - *Ph. nervosa* (DC.) Grev.)
14. *Phyllophora pseudoceranooides* (S.G. Gmelin) Newroth & A.R.A. Taylor, 1971 (ex- *Ph.membranifolia* (Goodenough & Woodward) J.Agardh)
15. *Tolypella prolifera* (Ziz ex A.Braun) Leonhardi, 1863 (ex- *Chara prolifera* Ziz ex A.Braun 1834)

### **CORMOPHYTA**

1. *Zostera marina* Linnaeus, 1753
2. *Zostera noltei* Hornemann, 1832

### **POLYCHAETA**

1. *Arenicola marina* Linnaeus, 1758
2. *Eteone siphodonta* Delle Chiaje, 1822
3. *Hesionides arenaria* Friedrich, 1937
4. *Nainereis laevigata* Grube, 1855
5. *Ophelia bicornis* Savigny in Lamarck, 1818
6. *Phyllodoce nana* Saint-Joseph, 1906

### **CRUSTACEA**

1. *Anomalocera patersoni* Templeton, 1837
2. *Biancolina algicola* Della Valle, 1893
3. *Branchinecta orientalis*
4. *Branchinectella spinosa* Schmankewitsch, 1873
5. *Branchinectella media* Schmankewitsch, 1873
6. *Brachinotus sexdentatus* Risso, 1827
7. *Callianassa truncata* – valid name *Necallianassa truncata* Giard & Bonnier, 1890
8. *Carcinus aestuarii* Nardo, 1847 (syn. *Carcinus mediterraneus* Czerniavsky, 1884)
9. *Clibanarius erythropus* Latreille, 1818
10. *Eriphia verrucosa* Forskål, 1775
11. *Hemimysis anomala* G.O. Sars, 1775
12. *Hemimysis serrata* Băcescu, 1938
13. *Homarus gammarus* Linnaeus, 1758
14. *Iphigenella acanthopoda* G.O. Sars, 1896
15. *Katamysis warpachowskyi* G.O. Sars, 1893
16. *Labidocera brunescens* Czerniavsky, 1868
17. *Macropidia longirostris* Fabricius, 1775
18. *Pachygrapsus marmoratus* Fabricius, 1787
19. *Pestarella candida* (Olivi, 1792) – (ex-*Calianassa pontica* Czerniavsky, 1884)
20. *Polybius navigator* Herbst, 1794
21. *Pontella mediterranea* Claus, 1863
22. *Upogebia pusilla* Petagna, 1792

**MOLLUSCA**

1. *Acanthochitona fascicularis* Linnaeus, 1767
2. *Anomia ephippium* Linne 1758
3. *Aporrhais pespelecani* Linnaeus, 1758
4. *Barnea candida* Linnaeus, 1758
5. *Bela nebula* Montagu, 1803
6. *Calyptrea chinensis* (Linne 1758)
7. *Chlamys glabra* (Linne 1758)
8. *Cyclope pellucida* Risso, 1826 (ex- *Cyclope donovani*)
9. *Donacilla cornea* Poli, 1791
10. *Ebala pointeli* (de Folin 1868)
11. *Epitonium commune* (Lamarck 1822)
12. *Gibbomodiola adriatica* Lamarck, 1819
13. *Gibbula divaricata* (Linne 1758)
14. *Irus irus* (Linne 1758)
15. *Lepidochitona cinerea* (Linne 1767)
16. *Mangelia pontica* Milaschewitsch 1908)
17. *Melarhapha neritoides* (Linne 1758)
18. *Myosotella myosotis* (Draparnaud 1801)
19. *Ostrea edulis* Linnaeus, 1758
20. *Paphia aurea* (Gmelin 1791)
21. *Patella tarentina* – valid name *Patella ulyssiponensis* Gmelin, 1791
22. *Petricola lithophaga* (Philippson 1788)
23. *Pholas dactylus* Linnaeus 1758
24. *Pyramidellidae* Gray 1840 (Family)
25. *Solen marginatus* Pulteney, 1799
26. *Striarca lactea* (Linne 1758)
27. *Tellina donacina* Linne 1758)
28. *Tellina fabula* Gmelin 1791)
29. *Tricolia pullus pullus* (Linne 1758)
30. *Trophonopsis breviatus* (Jeffreys 1882)
31. *Vitreolina incurva* (Bucquoy, Dautzenberg & Dollfus 1883)

**ECHINODERMATA**

1. *Odessia maeotica* Ostroumoff, 1896 (ex-*Moerisia maeotica*)

**PISCES**

1. *Acipenser nudiventris* Lovetsky, 1828
2. *Acipenser stellatus* Pallas, 1771
3. *Acipenser sturio* Linnaeus, 1758
4. *Acipenser gueldenstaedtii* Brandt & Ratzeburg, 1833
5. *Arnoglossus kessleri* Schmidt, 1915
6. *Benthophiloides brauneri* Beling et Iljin, 1927
7. *Benthophilus stellatus* (Sauvage, 1874)
8. *Callionymus pusillus* Delaroche, 1809

9. *Callionymus risso*, Le Sueur, 1814
10. *Caspiosoma caspium* (Kessler, 1877)
11. *Chelidonichthys lucernus* Linnaeus, 1758
12. *Hippocampus guttulatus* Cuvier, 1829
13. *Huso huso* Linnaeus, 1758
14. *Labrus viridis* Linnaeus, 1758
15. *Nerophis ophidion* Linnaeus, 1758
16. *Platichthys flesus* Linnaeus, 1758
17. *Salmo trutta labrax* Pallas, 1814
18. *Sander marinus* Cuvier 1828
19. *Syngnathus abaster* Risso, 1826
20. *Syngnathus tenuirostris* Rathke, 1837
21. *Syngnathus typhle* Linnaeus, 1758
22. *Syngnathus variegatus* Pallas, 1814

### **MAMMALS**

1. *Delphinus delphis* Linnaeus, 1758
2. *Phocoena phocoena* Linnaeus, 1758
3. *Tursiops truncatus* Montagu, 1821
4. *Monachus monachus* Hermann, 1779

### **AVES**

1. *Asio flammeus* Pontoppidan, 1763
2. *Calonectris diomedea* Scopoli, 1769
3. *Ciconia nigra* Linnaeus, 1758
4. *Gelochelidon nilotica* Gmelin, 1789
5. *Haliaeetus albicilla* Linnaeus, 1758
6. *Himantopus himantopus* Linnaeus, 1758
7. *Numenius tenuirostris* Vieillot, 1817
8. *Pandion haliaetus* Linnaeus, 1758
9. *Panurus biarmicus* Linnaeus, 1758
10. *Pelecanus crispus* Bruch, 1832
11. *Pelecanus onocrotalus* Linnaeus, 1758
12. *Phalacrocorax aristotelis* Linnaeus, 1761
13. *Phalacrocorax pygmeus* Pallas, 1773
14. *Phenicopterus ruber* Linnaeus, 1758
15. *Platalea leucorodia* Linnaeus, 1758
16. *Plegadis falcinellus* Linnaeus, 1766
17. *Puffinus yelkouan* Acerbi, 1827
18. *Recurvirostra avosetta* Linnaeus, 1758
19. *Branta ruficollis* Pallas, 1769
20. *Somateria mollissima* Linnaeus, 1758
21. *Sturnus roseus* Linnaeus, 1758
22. *Tadorna ferruginea* Pallas, 1764