



**MSFD Guiding  
Improvements in the Black  
Sea  
Integrated Monitoring  
System**



# **Black Sea ZOOPLANKTON CHECK-LIST**

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### Abbreviations used:

Black Sea countries	
BG	BULGARIA
GE	GEORGIA
RO	ROMANIA
RU	RUSSIAN FEDERATION
TR	TURKEY
UA	UKRAINE

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## Contents

Background.....	3
Black Sea non-native phytoplankton species list .....	4
References.....	16

# Background

The zooplankton checklist presented below is based on the data from three Black Sea countries (Bulgaria, Romania and Turkey) and contains 337 species (including major groups of organisms with meroplanktonic development stages or benthopelagic species). Their distribution per group according to size shows the dominance of microzooplankton (65%) followed by mesozooplankton (30%) and macrozooplankton (5%) (Fig. 1). Among each size class distribution of main groups can be seen in Figure 2, 3 and 4.

This list is an Annex of the “Manual for mesozooplankton sampling and analysis in the Black Sea monitoring” and should be further completed and agreed with the species identified in the other three Black Sea countries (Georgia, Russia and Ukraine) in order to build the full picture of the Black Sea zooplankton.

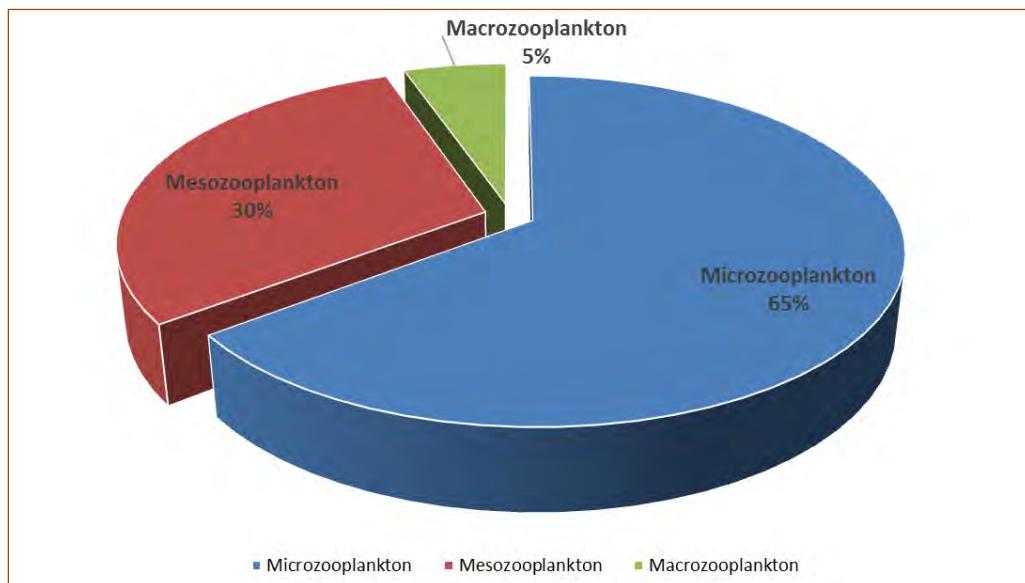


Fig. 1. Zooplankton composition according to size class.

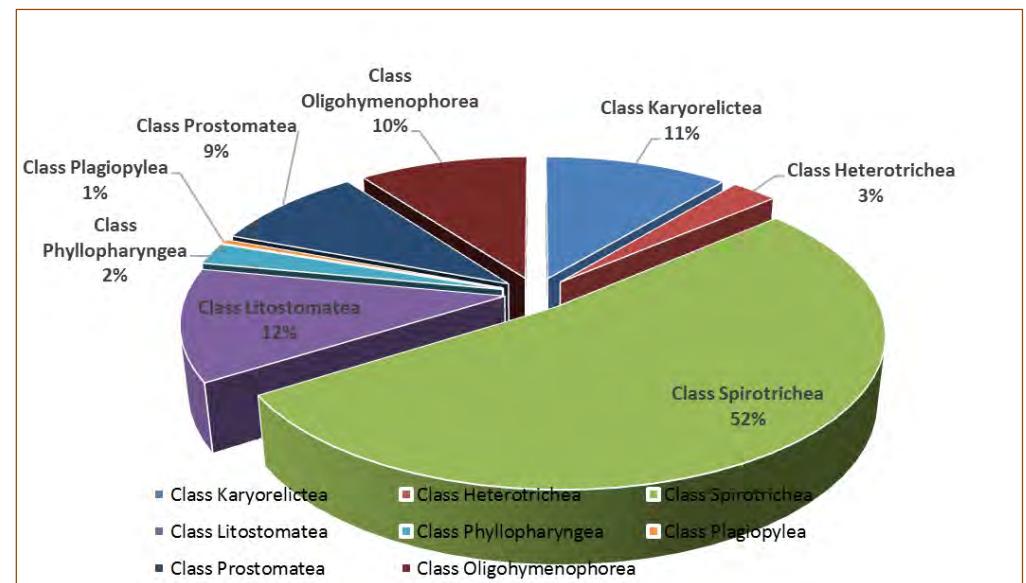


Fig. 2 – Microzooplankton composition.

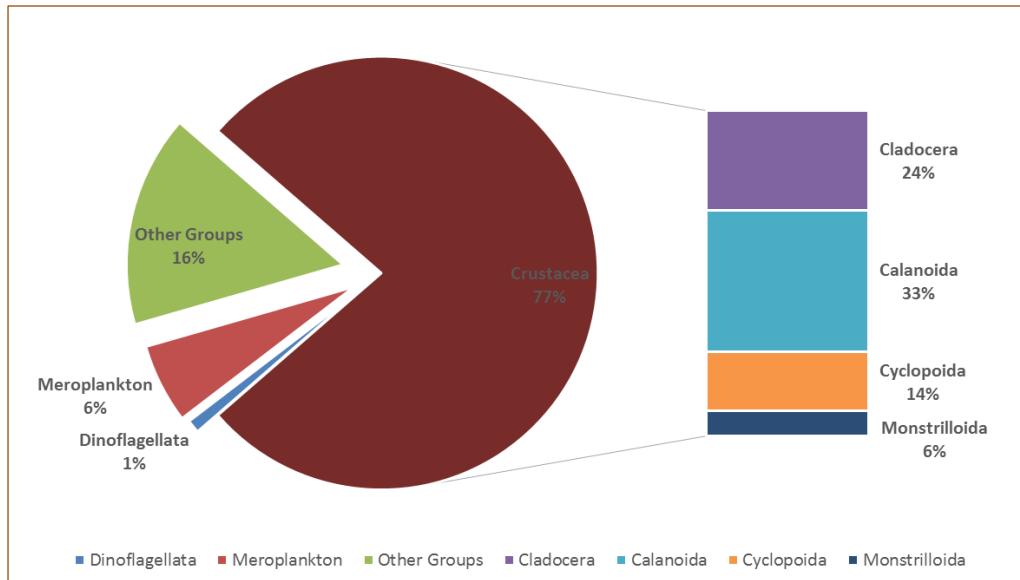


Fig. 3 – Mesozooplankton composition.

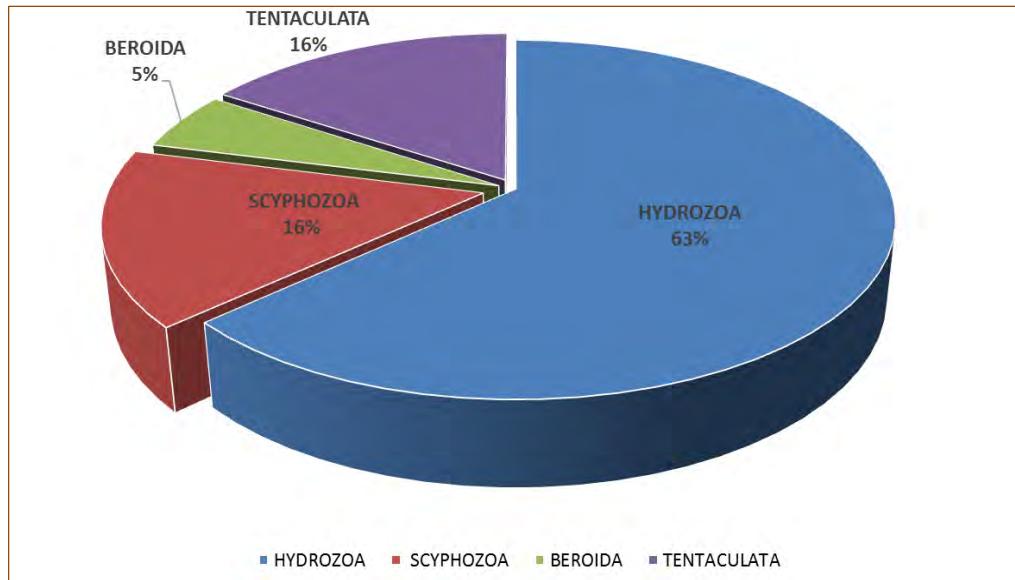


Fig. 4 – Macrozooplankton composition.

## Black Sea zooplankton species list

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
<b>MICROZOOPLANKTON</b>							
	<b>Class Karyorelictea Corliss, 1974</b>		414963				
1	<i>Ciliofaurea</i> sp., Dragesco, 1960		415204			+	
2	<i>Cryptopharynx setigerus</i> Kahl, 1928		417064			+	
3	<i>Loxodes vorax</i> Stokes, 1884			ITIS - 46330			
4	<i>Remanella faurei</i> Dragesco, 1954		428013			+	
5	<i>Remanella granulosa</i> Kahl, 1933		428015			+	
6	<i>Remanella margaritifera</i> Kahl, 1933		428017			+	
7	<i>Remanella minuta</i> Dragesco, 1954		417066			+	
8	<i>Remanella multinucleate</i> Kahl, 1933		428020			+	
9	<i>Remanella rugosa</i> Kahl, 1933		163600			+	
10	<i>Remanella swedmarki</i> Dragesco, 1953		428021			+	

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
11	<i>Geleia decolor</i> Kahl, 1933		417068			+	
12	<i>Geleia fossata</i> Kahl, 1933		179313			+	
13	<i>Geleia nigriceps</i> Kahl, 1933		428039			+	
14	<i>Geleia orbis</i> Faure-Fremiet, 1951		428040			+	
15	<i>Kentrophoros fasciolatum</i> Sauerbrey, 1928		417055			+	
16	<i>Kentrophoros graciles</i> Raikov, 1963		428051			+	
17	<i>Tracheloraphis dogeili</i> (Raikov, 1957) Raikov, 1962		428091			+	
18	<i>Tracheloraphis drachi</i> Dragesco, 1960		428092			+	
19	<i>Tracheloraphis incaudatus</i> Kahl, 1930		428102			+	
20	<i>Tracheloraphis margaritatus</i> Kahl, 1930		428107			+	
21	<i>Tracheloraphis prenanti</i> Dragesco, 1960		428114			+	
22	<i>Tracheloraphis phoenicopterus</i> (Cohn, 1866)		179293			+	
23	<i>Tracheloraphis swedmarki</i> Dragesco, 1960		428124			+	
24	<i>Tracheloraphis</i> spp., Dragesco, 1960		179292		?		
Class <b>Heterotrichaea</b> Stein, 1859							
25	<i>Blepharisma clarissimum</i> Kahl, 1928		179265			+	
26	<i>Blepharisma steini</i> Kahl, 1932		427916			+	
27	<i>Condyllostoma arenarium</i> Spiegel, 1926		172317		?	+	
28	<i>Condyllostoma remanei</i> Spiegel, 1928		341636			+	
29	<i>Peritromus faurei</i> Kahl, 1932		172323			+	
30	<i>Peritromus ovalis</i> Fauré-Fremiet, 1924		417084				
Class <b>Spirotrichea</b> Butschli, 1889							
31	<i>Codonella aspera</i> Kofoid et Campbell, 1929		221255				+
32	<i>Codonella lagenula</i> (Claparede et Lachmann, 1858)		247938			?	
33	<i>Tintinnopsis baltica</i> Brandt, 1896		247945		+	+	
34	<i>Tintinnopsis beroidea</i> Stein, 1867		163782		+	+	+
35	<i>Tintinnopsis buetschlii</i> Daday, 1887		341655				
36	<i>Tintinnopsis campanula</i> Ehrenberg, 1840		163913		+	+	+
37	<i>Tintinnopsis compressa</i> Daday, 1887		235755				
38	<i>Tintinnopsis cylindrica</i> Daday, 1886		345439		+	+	+
39	<i>Tintinnopsis directa</i> Hada, 1932		417148				
40	<i>Tintinnopsis karajacensis</i> Brandt, 1896		391614		+		
41	<i>Tintinnopsis kofoidi</i> Hada, 1932		417150				
42	<i>Tintinnopsis lobiancoi</i> Daday, 1887		163919		+	+	+
43	<i>Tintinnopsis meunieri</i> Kofoid & Campbell, 1929		427422		+	+	
44	<i>Tintinnopsis minuta</i> Wailes, 1925		232076		+	+	

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
45	<i>Tintinnopsis parvula</i> Jörgensen, 1912		417153		+	+	
46	<i>Tintinnopsis subacuta</i> , Jörgensen, 1899		391616		+		
47	<i>Tintinnopsis tocantinensis</i> Kofoed et Campbell, 1929		417156				
48	<i>Tintinnopsis tubulosa</i> Levander, 1900		391617		+	+	
49	<i>Tintinnopsis urnula</i> Meunier, 1910		427439				
50	<i>Codonellopsis morchella</i> (Cleve) Jörgensen, 1924		240441				+
51	<i>Stenosemella nivalis</i> (Meunier, 1910)		247942		+	+	
52	<i>Stenosemella ventricosa</i> (Claparède & Lachmann, 1858) Jörgensen, 1924		235758		+	+	+
53	<i>Dictyocysta mitra</i> Haeckel, 1873		391613				+
54	<i>Helicostomella subulata</i> (Ehrenberg, 1833) Jörgensen, 1924		240437		+	+	+
55	<i>Metacylis mediterranea</i> (Mereshkowsky, 1880) Jörgensen, 1924		183579		+	+	+
56	<i>Nolaclusilis</i> sp. Snyder & Brownlee, 1991		425631				
57	<i>Petalotricha ampulla</i> ((Fol, 1881) Kent, 1882		409694				+
58	<i>Favella azorica</i> (Cleve, 1900)		417248				+
59	<i>Favella brevis</i> (Laackmann, 1909) Kofoed & Campbell, 1929		221258				
60	<i>Favella campanula</i> (Schmidt, 1901)		417249				+
61	<i>Favella ehrenbergii</i> (Claparède & Laachmann, 1858)		235761		+	+	+
62	<i>Rhizodomus tagatzi</i> Strelkow & Wirketis, 1950	<i>Tintinnopsis nudicauda</i> Paulmer, 1995; <i>Tintinnopsis corniger</i> Hada, 1964	689307				
63	<i>Amphorellopsis acuta</i> (Schmidt, 1901)		417200				
64	<i>Eutintinnus angustatus</i> (Daday, 1887)		417206				
65	<i>Eutintinnus apertus</i> Kofoed & Campbell, 1929		235770				
66	<i>Eutintinnus lususundae</i> (Entz, 1884)		247939		+	+	
67	<i>Eutintinnus tubulosus</i> (Ostenfeld, 1899) Kofoed & Campbell, 1939		417222				
68	<i>Salpingella decurtata</i> Jörgensen, 1924		183567				
69	<i>Leprotintinnus pellucidus</i> (Cleve, 1899)		625430		+	+	
70	<i>Tintinnidium mucicola</i> (Claparède & Lachmann, 1858) Daday, 1887		247944		+		
71	<i>Xystonella lohmanni</i> ((Brandt) Kofoed & Campbell, 1929		427625				+
72	<i>Aspidisca lyncaster</i> (O.F. Müller, 1773) von Stein, 1859		417101		?	+	
73	<i>Aspidisca pulcherrima</i> Kahl, 1932	<i>Aspidisca baltica</i> Borror, 1965	179325				
74	<i>Euplotopsis affinis</i> (Dujardin, 1841) Borror & Hill, 1995		427684		?	?	
75	<i>Euplates balteatus</i> Kahl, 1932		179327		?	?	
76	<i>Euplates balticus</i> (Kahl, 1932) Dragesco, 1966	<i>Moneuplates balticus</i> (Kahl, 1932)	427660		?	?	
77	<i>Euplates charon</i> (Müller, 1786) Ehrenberg, 1830		417109			+	

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
78	<i>Euplates elegans</i> (Kahl, 1932)		417112			?	
79	<i>Euplates harpa</i> Stein, 1859		417113			+	
80	<i>Euplates patella</i> Ehrenberg, 1838		427675			?	
81	<i>Euplates trisulcatus</i> Kahl, 1932		417118			?	?
82	<i>Euplates vannus</i> (Müller, 1786) Minkiewicz, 1901		417119			+	
83	<i>Diophrys appendiculata</i> (Ehrenberg, 1838) Schewiakoff, 1893		341637			?	?
84	<i>Diophrys scutum</i> (Dujardin, 1841) Kahl, 1932		179329			?	+
85	<i>Uronychia transfuga</i> (O.F. Müller, 1786) Stein, 1859		341639			?	+
86	<i>Leegaardiella</i> sp. Lynn & Montagues, 1988		101179				
87	<i>Lohmanniella oviformis</i> Leegaard, 1915		101209				
88	<i>Pelagostrobilidium spirale</i> (Leegaard, 1915) Petz, Song & Wilbert, 1995		341692				
89	<i>Rimostrombidium caudatum</i> (Kahl, 1932) Agatha & Riedel- Lorjé, 1998		101214			+	
90	<i>Rimostrombidium conicum</i> (Kahl, 1932) Petz & Foissner, 1992		101215				
91	<i>Rimostrombidium epacrum</i> Lynn & Montagnes, 1988						
92	<i>Rimostrombidium lacustris</i> (Foissner, Skogstad & Pratt, 1988) Petz & Foissner, 1992	<i>Rimostrombidium velox</i> Foissner, Skogstad & Pratt, 1988		Global Biodiversity Information Facility Taxonkey: 16187819			
93	<i>Rimostrombidium multinucleatum</i> (Lynn & Montagnes, 1988) Petz, Song & Wilbert, 1995		101217				
94	<i>Rimostrombidium sphaericum</i> (Lynn & Montagnes, 1988)		595200				
95	<i>Strobilidium marinum</i> (Fauré-Fremiet, 1910) Fauré-Fremiet, 1924		101228				
96	<i>Strobilidium mucotectum</i> ? (Bush, 1923)						
97	<i>Strombidinopsis acuminatum</i> Faure-Fremiet, 1924		101350				
98	<i>Strombidinopsis cheshiri</i> Snyder & Ohman, 1991		427386				
99	<i>Spirostrombidium elegans</i> (Florentin, 1901) Petz, Song & Wilbert, 1995		101270			?	
100	<i>Strombidinopsis elongata</i> Song & Bradbury, 1998		427388				
101	<i>Strombidinopsis gyrans</i> (Stokes, 1887) Schewiakoff, 1892		427389			+	
102	<i>Strombidinopsis minima</i> (Gruber, 1884) Song & Bradbury, 1998		427390			?	
103	<i>Strombidinopsis multiauris</i> Montagnes & Lessard, 1999		595212				
104	<i>Spirostrombidium sauerbreyae</i> (Kahl, 1932) Petz, Song & Wilbert, 1995	<i>Strombidium coronatum</i> (Leegaard, 1915) Kahl, 1932	101273			?	+
105	<i>Halteria</i> spp., Dujardin, 1841		101175			?	

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
106	<i>Pelagohalteria cirrifera</i> (Kahl, 1932) Foissner, Skogstad & Pratt, 1988		101203				
107	<i>Meseres cordiformis</i> Schewiakoff, 1893		595102				
108	<i>Cyrtostrombidium</i> sp., Lynn & Gilron, 1993		393573				
109	<i>Foissneridium constrictum</i> (Meunier, 1910)	<i>Strombidium constrictum</i> (Meunier, 1910) Wulff, 1919	595098				
110	<i>Novistrombidium testaceum</i> (Anigstein, 1914) Song & Bradbury, 1998	<i>Strombidium obliquum</i> (Kahl, 1932)	101267				
111	<i>Strombidium acutum</i> Leegaard, 1915		101275				
112	<i>Strombidium alveolare?</i> Bullington, 1940		417316				
113	<i>Strombidium arenicola</i> Dragesco, 1960		101276			+	
114	<i>Strombidium bilobum</i> Lynn et Gilron, 1993		101279				
115	<i>Strombidium capitatum</i> (Leegaard, 1915) Kahl, 1932		101282				
116	<i>Strombidium conicoides</i> (Leegaard, 1915) Kahl, 1932		101288				
117	<i>Strombidium conicum</i> (Lohmann, 1908) Wulff, 1919		101289			+	
118	<i>Strombidium dalum</i> Lynn, Montagnes & Small, 1988		101297				
119	<i>Strombidium emergens</i> (Leegaard, 1915) Kahl, 1932		101301				
120	<i>Strombidium epidemum</i> Lynn, Montagnes & Small, 1988		427726				
121	<i>Strombidium faurei</i> Dragesco, 1960		101302			+	
122	<i>Strombidium filicum</i> Kahl, 1932		101303				
123	<i>Strombidium macronucleatum</i> Dragesco, 1960		101312				
124	<i>Strombidium minor</i> (Kahl, 1935) Maeda & Carey, 1985	<i>Strombidium calkinsi</i> (Kahl, 1932)	101315			+	
125	<i>Strombidium rhynchum</i> Lynn, Montagnes & Small, 1988		427738				
126	<i>Strombidium stylifer</i> Levander., 1894		101334				
127	<i>Strombidium sulcatum</i> Claparède & Lachmann, 1859		101335			?	
128	<i>Strombidium tressum</i> Lynn, Montagnes & Small, 1988		427740				
129	<i>Strombidium ventropinnum</i> Martin et Montagnes, 1993		595225				
130	<i>Strombidium vestitum</i> (Leegaard, 1915) Kahl, 1932		101342				
131	<i>Strombidium viridae</i> Stein, 1867		427741				
132	<i>Strombidium wulffi</i> Kahl, 1932		101344				
133	<i>Laboea strobila</i> Lohmann, 1908		101264			+	
134	<i>Tontonia appendiculariformis</i> Fauré-Fremiet, 1914		101345				
135	<i>Tontonia gracillima</i> Fauré-Fremiet, 1924		101347				
136	<i>Protocruzia adherens</i> (Mansfeld, 1923) Kahl, 1930		427746		?	?	
137	<i>Oxytricha gibba</i> (O.F. Müller, 1786) Ehrenberg, 1838		427763		+		
138	<i>Trachelostyla caudata</i> (Kahl, 1932) Maeda & Carey, 1984		427789		+		
139	<i>Trachelostyla dubia</i> Dragesco, 1954		417313		+		
140	<i>Amphisiella capitata</i> (Perejaslawzewska, 1886) Kahl, 1930-5		427793		?		

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
141	<i>Strongylidium arenicola</i> Dragesco, 1953		427821			+	
142	<i>Epiclentes ambiguus</i> O. F. Müller, 1786		417274			+	
143	<i>Keronopsis arenivorus</i> Dragesco, 1954		427807			+	
144	<i>Pseudokeronopsis rubra</i> (Ehrenberg, 1836) Borror & Wicklow, 1983		427840		?	?	
<b>Class Litostomatea Small et Lynn, 1981</b>			292892				
145	<i>Askenasia regina</i> Earland & Montagnes, 2002		387941				
146	<i>Askenasia stellaris</i> Leegaard, 1920		292898			?	
147	<i>Askenasia volvox</i> (Clap. et Lachm., 1858)			GBIF ID118535419			
148	<i>Mesodinium acarus</i> Stein, 1862		417327				
149	<i>Mesodinium pulex</i> Claparède & Lachmann, 1858		179321		?	+	
150	<i>Mesodinium rubrum</i> (Lohmann, 1908)	<i>Myrionecta rubra</i> (Lohm., 1908)	232069		+	+	
151	<i>Rhabdoaskenasia</i> sp. Krainer & Foissner, 1990		292925				
152	<i>Cyclotrichium sphaericum</i> Fauré-Fremiet, 1924		426531				
153	<i>Didinium gargantua</i> Meunier, 1910		341712				
154	<i>Didinium nasutum</i> (Müller, 1773) Stein, 1859		417328			+	
155	<i>Monodinium balbianii</i> Fabre-Domergue, 1888		341713			?	
156	<i>Enchelydium</i> sp. Ehrenberg, 1836		153247				
157	<i>Lacrymaria caudata</i> Kahl, 1932		417335			+	
158	<i>Lacrymaria coronata</i> Claparède & Lachmann, 1858		179315			+	
159	<i>Lacrymaria delamarei</i> Dragesco, 1954		426557			+	
160	<i>Lacrymaria lagenula</i> Claparède & Lachmann, 1858		341715			+	
161	<i>Lacrymaria pupula</i> O.F. Müller, 1786		426566				
162	<i>Paraspadidium fuscum</i> (Kahl, 1928)		417520			+	
163	<i>Spathidium</i> spp., Dujardin, 1841		163614		?	?	
164	<i>Heminotus caudatus</i> Kahl, 1933		417352		?	+	?
165	<i>Litonotus fasciola</i> (Wresniowski, 1870)		178764		?		
166	<i>Litonotus lamella</i> Schewiakoff, 1896		341723		?	+	
167	<i>Loxophyllum helus</i> Stokes, 1884		417362			+	
168	<i>Loxophyllum levigatum</i> Sauerbrey, 1928		426657			+	
169	<i>Loxophyllum setigerum</i> Quennerstedt, 1867		417365		?	+	
170	<i>Loxophyllum uninucleatum</i> Kahl, 1928		417367		?	?	
<b>Class Phyllopharyngea de Puytorac et al., 1974</b>			341306				
171	<i>Chilodonella</i> spp., Strand, 1928		415192		?	?	
172	<i>Chlamydodon triquetrus</i> (Müller, 1786)		163552		?	?	
173	<i>Dysteria</i> spp., Huxley, 1857		178688		?	?	

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
174	<i>Acineta tuberosa</i> Ehrenberg, 1833		172366		?		
175	<i>Ephelota coronata</i> Kent, 1881			GBIF ID3204934			
	<b>Class Plagiopylea Small &amp; Lynn, 1985</b>		414717				
176	<i>Plagiopyla nasuta</i> Stein, 1860		427276			+	
	<b>Class Prostomatea Schewiakoff, 1896</b>		425487				
177	<i>Balanion comatum</i> Wulff, 1922		427290				
178	<i>Coleps pulcher</i> Spiegel, 1926		417410			+	
179	<i>Coleps similes</i> Kahl, 1933		427300			+	
180	<i>Coleps tesselatus</i> Kahl, 1930		163610		?	+	
181	<i>Tiarina fusus</i> Bergh, 1881		247943			+	
182	<i>Bursellopsis nigricans</i> (Lauterborn, 1894)			GBIF ID118543124		?	
183	<i>Bursellopsis truncata</i> (Kahl, 1927) Corliss, 1960						
184	<i>Holophrya marina</i> Mansfeld, 1923		427315				
185	<i>Holophrya oblonga</i> Maupus, 1883		427317			+	
186	<i>Holophrya pelagica</i> Lohmann, 1920						
187	<i>Paraurotricha discolor</i> (Kahl, 1930) Foissner, 1983			GBIF ID6152141			
188	<i>Plagiocampa marina</i> Kahl, 1932		417418		?	?	
189	<i>Plagiocampa rouxi</i> Kahl, 1932		427340		?	?	
190	<i>Prorodon marinus</i> Claparède & Lachmann, 1958		163604		?	+	
191	<i>Prorodon multinucleatus</i> Dragesco, 1954		427359			+	
192	<i>Prorodon minutus</i> Kahl, 1927						
193	<i>Urotricha agilis</i> (Stokes, 1886) Kahl, 1930		427370				
194	<i>Urotricha farcta</i> Claparede & Lachmann, 1859			GBIF ID118543378			
195	<i>Urotricha globosa</i> Schewiakoff, 1892		427373				
196	<i>Urotricha ovata</i> Kahl, 1927			GBIF ID107896160			
197	<i>Urotricha pelagica</i> Kahl, 1932		427374				
198	<i>Urotricha pusilla</i> Penard, 1922			GBIF ID6152155			
	<b>Class Oligohymenophorea de Puytorac et al., 1974</b>		162991				
199	<i>Coelosomides marina</i> Anigstein, 1912		178767			+	
200	<i>Coelosomides tessieri</i> Dragesco, 1954		426719			+	
201	<i>Frontonia acuminata</i> Ehrenberg, 1833		417427				
202	<i>Frontonia acuminata</i> var. <i>angusta</i> Kahl, 1931						
203	<i>Frontonia arenaria</i> Kahl, 1933		426732		?	+	
204	<i>Frontonia marina</i> Fabre-Domergue, 1891		179272		?	+	
205	<i>Vorticella microstoma</i> Ehrenberg, 1830		426969		?		
206	<i>Pseudovorticella marina</i>	<i>Vorticella marina</i> Greeff, 1870	438802		?		
207	<i>Thuricola valvata</i> Wright, 1858		417497				
208	<i>Zoothamnium duplicatum</i> Kahl, 1933		417512				

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
<b>209</b>	<i>Zoothamnium plumula</i> Kahl, 1933		427021				
<b>210</b>	<i>Cinetochilum</i> spp., Perty, 1849		415205		?	?	
<b>211</b>	<i>Loxocephalus</i> spp., Eberhard, 1862		415580		?		
<b>212</b>	<i>Uronema marinum</i> Dujardin, 1841		172341		?	+	
<b>213</b>	<i>Helicostoma oblongum</i> Cohn, 1866		427067		+		
<b>214</b>	<i>Cristigera minuta</i> Kahl, 1928		427100				
<b>215</b>	<i>Cyclidium</i> spp., O.F. Müller, 1773		163558		?	?	
<b>216</b>	<i>Pleuronema anodontae</i> Kahl, 1926						
<b>217</b>	<i>Pleuronema coronatum</i> Kent, 1881		163557		?	+	
<b>218</b>	<i>Pleuronema marinum</i> Dujardin, 1841		427129		?	+	
<b>MESOZOOPLANKTON</b>							
<b>Dinophyceae (Class)</b>							
<b>1</b>	<i>Noctiluca scintillans</i> (Macart.) Kof. & Sw.	<i>Noctiluca miliaris</i> Suriray, 1816	109921		+	+	
<b>2</b>	<b>POLYCHAETA</b> (pelagic larvae)		883		+	+	
<b>3</b>	<b>BRYOZOA</b> (larvae: cyphonautes)		146142		+		+
<b>PHORONIDEA</b> (larvae)							
<b>4</b>	<i>Phoronis psammophila</i> Cori, 1889	<i>Phoronis euxinicola</i> Selys-Longchamps, 1907 (nomen nudum), <i>Phoronis reticulatum</i> (Linnaeus, 1767)	128552		+	+	+
<b>CRUSTACEA (Arthropoda Phylum)</b>							
<b>Branchiopoda (Class)</b>							
<b>Cladocera (infraorder)</b>							
<b>5</b>	<i>Alona rectangula</i> Sars, 1962		148405				
<b>6</b>	<i>Alona quadrangularis</i> (O.F. Müller, 1785)		247976				
<b>7</b>	<i>Bosmina (Eubosmina) coregoni</i> Baird, 1857	<i>B. longispina</i> Leidig	106271				
<b>8</b>	<i>Bosmina (Bosmina) longirostris</i> (O. F. Müller, 1785)	<i>B. l. similis</i> , <i>B. l. pellucida</i> Stingelin, <i>B. l. cornuta</i> (Jurine)	148379		+		
<b>9</b>	<i>Chydorus sphaericus</i> (O.F. Müller, 1785)		148406		+		
<b>10</b>	<i>Cercopagis (Cercopagis) pengoi</i> (Ostroumov, 1891)		234025				
<b>11</b>	<i>Ceriodaphnia reticulata</i> (Jurine, 1820)	<i>Ceriodaphnia reticulata</i> (Jurine, 1820)	148400				
<b>12</b>	<i>Cornigerius maeoticus maeoticus</i> (Pengo, 1879)		248029				
<b>13</b>	<i>Daphnia cucullata</i> Sars, 1862		148371		+		
<b>14</b>	<i>Daphnia longispina</i> O.F. Müller, 1785		148373		+		
<b>15</b>	<i>Daphnia magna</i> Straus, 1820		148372				
<b>16</b>	<i>Daphnia pulex</i> De Geer, 1778		148375				
<b>17</b>	<i>Diaphanosoma brachyurum</i> (Lievin, 1848)		234063				

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
<b>18</b>	<i>Evadne nordmanni</i> Loven, 1836		106273		+		+
<b>19</b>	<i>Evadne spinifera</i> O.F. Müller, 1867		106274		+	+	+
<b>20</b>	<i>Graptoleberis testudinaria</i> Fischer, 1848		247979				
<b>21</b>	<i>Leptodora kindtii</i> (Focke, 1844)	<i>L. hyalina</i> Lilljeborg, 1900	247980				
<b>22</b>	<i>Moina brachiata</i> (Jurine, 1820)		148348				
<b>23</b>	<i>Penilia avirostris</i> Dana, 1849		106272		+	+	+
<b>24</b>	<i>Pleopis polyphaemoides</i> (Leucart, 1859)	<i>Podon polyphemoides</i> (Leuckart, 1859), <i>Podon polyphemoides</i> (Leuckart, 1859)	247981		+	+	+
<b>25</b>	<i>Pseudevadne tergestina</i> (Claus, 1877)	<i>Pleopis tergestina</i> (Claus, 1877)	106278		+	+	+
<b>26</b>	<i>Podon intermedius</i> Lilljeborg, 1853		106276		+		+
<b>27</b>	<i>Podon leuckartii</i> (Sars G.O., 1862)		106277		+	+	
<b>28</b>	<i>Podonevadne trigona</i> G.O. Sars, 1897	<i>Evadne trigona</i> Sars, 1897, 1902; <i>Podonevadne ovum</i> , <i>Podonevadne triangulus</i> Зернов, 1901; <i>Podonevadne trigona ovum</i> (M.Boltovskoi si Negrea, 1965)	247983			+	
<b>Copepoda</b>							
<b>Calanoida</b>							
<b>29</b>	<i>Acartia (Acartiura) clausi</i> Giesbrecht, 1889	<i>Acartia clausi</i> Giesbrecht, 1889	149755		+	+	+
<b>30</b>	<i>Acartia (Acanthacartia) tonsa</i> Dana, 1849		345943				+
<b>31</b>	<i>Acartia (Acartiura) margalefi</i> Alcaraz, 1976	<i>Acartia clausi</i> (small form) Potemkina, 1940	346039				
<b>32</b>	<i>Anomalocera patersoni</i> Templeton, 1837		104722			+	+
<b>33</b>	<i>Calanipeda aquaedulcis</i> Kritchagin, 1873		349522			+	+
<b>34</b>	<i>Calanus euxinus</i> Hulsemann, 1991	<i>Calanus helgolandicus</i> Claus, 1863	104463		+	+	+
<b>35</b>	<i>Calocalanus pavo</i> (Dana, 1852)		104669				+
<b>36</b>	<i>Candacia</i> sp., Dana, 1846		104157				+
<b>37</b>	<i>Centropages ponticus</i> Karavaev, 1895	<i>Centropages kroyeri pontica</i> Karavaev, 1895	104498		+	+	+
<b>38</b>	<i>Clausocalanus arcuicornis</i> (Dana, 1849)	<i>Calanus arcuicornis</i> Dana, 1849 <i>Calanus mastigophorus</i> Claus, 1863 <i>Clausocalanus mastigophorus</i> (Claus, 1863) <i>Eucalanus mastigophorus</i> (Claus, 1866)	104502				+
<b>39</b>	<i>Pareucalanus attenuatus</i> (Dana, 1849)	<i>Eucalanus attenuatus</i> (Dana, 1849)	237968				+
<b>40</b>	<i>Eudiaptomus gracilis</i> (Sars G.O., 1862)	<i>Diaptomus gracilis</i> , Sars, 1862	149690			+	
<b>41</b>	<i>Arctodiaptomus salinus</i> (Daday, 1885)	<i>Diaptomus salinus</i> Daday, 1885	348950		+		
<b>42</b>	<i>Eurytemora affinis</i> (Poppe, 1880)		104872			+	
<b>43</b>	<i>Eurytemora velox</i> (Lilljeborg, 1853)		104877				
<b>44</b>	<i>Eurytemora grimmi</i> (Sars G.O., 1897)		104874				
<b>45</b>	<i>Eurytemora hirundoides</i> (Nordquist, 1888)		149731				
<b>46</b>	<i>Eurytemora lacustris</i> (Poppe, 1887)		104875				

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
47	<i>Heterocoope caspia</i> Sars, 1897		247987				
48	<i>Lucicutia flavigornis</i> (Claus, 1863)	<i>Leuckartia flavigornis</i> Claus, 1863 (synonym) <i>Lucicutia flavigornis</i> ( <i>lapsus calami</i> ) <i>Rudolfia flavigornis</i> (Claus, 1863) (synonym)	104597				+
49	<i>Macrosetella gracilis</i> (Dana, 1847)		116382				+
50	<i>Mecynocera clausi</i> Thompson I.C., 1888		104616				+
51	<i>Metridia lucens</i> Boeck, 1865		104633				+
52	<i>Microcalanus pusillus</i> Sars G.O., 1903		157675				+
53	<i>Neocalanus gracilis</i> (Dana, 1852)		104471				+
54	<i>Paracartia latisetosa</i> (Kritczagin, 1873)	<i>Acartia latisetosa</i> (Kritchagin, 1873) <i>Dias latisetosus</i> Kritchagin, 1873 (synonym)	104265				+
55	<i>Acanthodiaptomus denticornis</i> (Wierzejski, 1887)			ITIS 85837			+
56	<i>Paracalanus parvus</i> (Claus, 1863)		104685		+	+	+
57	<i>Paracalanus pygmaeus</i> (Claus, 1863)		149722				+
58	<i>Pleuromamma abdominalis abdominalis</i> (Lubbock, 1856)	<i>Pleuromamma abdominalis</i> (Lubbock, 1856)	596242				+
59	<i>Pleuromamma gracilis</i> Claus, 1863		104639				+
60	<i>Pontella mediterranea</i> (Claus, 1863)		104739		+	+	+
61	<i>Pseudocalanus elongatus</i> (Boeck, 1872)	<i>Calanus clausii</i> Brady, 1865 <i>Clausia elongata</i> Boeck, 1865 <i>Pseudocalanus acuspes</i> (Giesbrecht, 1881) <i>Pseudocalanus minutus elongatus</i> (Boeck, 1865)	104515		+	+	+
62	<i>Temora stylifera</i> (Dana, 1849)		104879				+
<b>Cyclopoida</b>							
63	<i>Corycaeus typicus</i> (Kroyer, 1849)	<i>Agetus typicus</i> Kroyer, 1849 (synonym)	237982				+
64	<i>Corycaeus furcifer</i> Claus, 1863	<i>Urocorycaeus furcifer</i> (Claus, 1863)	237977				+
65	<i>Farranula rostrata</i> (Claus, 1863)	<i>Corycella rostrata</i> (Claus, 1863)	128814				+
66	<i>Cyclopina gracilis</i> Claus, 1863		106525				
67	<i>Cyclops insignis</i> Claus, 1857		247991				
68	<i>Cyclops strenuus</i> Fisch., 1851		247992				
69	<i>Cyclops vicinus vicinus</i> Uljanin, 1875	<i>Cyclops vicinus</i> Ulgan., 1875	149791				
70	<i>Euryte longicauda</i> Philippi, 1843		106505				
71	<i>Halicyclops rotundipes rotundipes</i> Kiefer, 1935	<i>Halicyclops rotundipes</i> Kiefer, 1935	106666				
72	<i>Oithona minuta</i> Scott T., 1894		106650			+	+
73	<i>Oithona nana</i> Giesbrecht, 1893		106651		+		+
74	<i>Oithona similis</i> Claus, 1863	<i>Oithona helgolandica</i> (Claus, 1863)	106656		+	+	+

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
75	<i>Oithona davisae</i> Ferrari F.D. & Orsi, 1984	<i>Oithona brevicornis brevicornis</i> Giesbrecht, 1891	353995				
76	<i>Triconia minuta</i> (Giesbrecht, 1893 ["1892"])	<i>Oncaeia minuta</i> Giesbrecht, 1893	128960				+
	<b>Monstrilloida</b>						
77	<i>Cymbasoma longispinosum</i> (Bourne, 1890)	<i>Cymbasoma longispinosus</i> (Bourne,1890)	119784				
78	<i>Cymbasoma rigidum</i> (Thompson I.C., 1888)		119788				
79	<i>Cymbasoma thomsonii</i> (Giesbrecht, 1893)		358124				
80	<i>Monstrilla grandis</i> Giesbrecht, 1892		119801				+
81	<i>Monstrilla helgolandica</i> Claus, 1863		119802				
82	<i>Monstrilla grandis</i> (Giesbrecht, 1891)		119801				
83	<b>HARPACTICOIDA</b>		1102				
84	<b>CIRRIPEDIA</b> (larvae: nauplius, cypris)		1082				+
	<b>MALOCOSTRACA</b>						
85	<b>Decapoda</b> (larvae: zoea, megalopa)		1130				+
	<b>MYSIDACEA</b>						
86	<i>Mesopodopsis slabberi</i> van Beneden,1861		120072				+
87	<i>Paramysis</i> ( <i>Longidentia</i> ) <i>kroyeri</i> (Czerniavsky, 1882)		120154				
	<b>CUMACEA</b>						
88	<i>Iphinoe tenella</i> G.O.Sars,1873		110461				
89	<i>Eudorella truncatula</i> (Bate, 1856)		110535				+
	<b>ISOPODA</b>						
90	<i>Idotea ostroumovi</i> Sowinsky, 1895		119049				+
91	<i>Idotea pelagica</i> Leach, 1815		119050				+
92	<i>Microniscus</i> sp., Müller, 1871		293852				+
93	<b>GASTROPODA</b>		101				+
94	<b>BIVALVIA</b> (larvae: veliger)		105				+
	<b>CHAETOGNATHA *</b>						
95	<i>Pseudosagitta maxima</i> (Conant, 1896)	<i>Sagitta maxima</i> Conant, 1896	105445				
96	<i>Parasagitta setosa</i> (Müller, 1847)	<i>Sagitta setosa</i> J. Müller, 1847	105443				+
97	<i>Spadella cephaloptera</i> (Busch, 1851)		105468				
98	<i>Sagitta bipunctata</i> Quoy&Gaimard, 1828		105448				+
	<b>CHORDATA</b>						
	<b>Subphylum CEPHALOCHORDATA</b>						
99	<i>Branchiostoma lanceolatum</i> (Pallas, 1774)	<i>Amphioxus lanceolatus</i> Pallas, 1774	104906				+
	<b>Subphylum TUNICATA</b>						
	<b>APPENDICULARIA</b>						
100	<i>Oikopleura</i> ( <i>Vexillaria</i> ) <i>dioica</i> Fol, 1872		103407				+
	<b>ASCIIDIACEA</b> (larvae)						+

	TAXON	Synonyms in the last zoo-checklist	Aphia ID according to WORMS	Cod in other database	BG	RO	TR
	<b>Subphylum VERTEBRATA</b>						
<b>101</b>	Pisces: ova, larva		11676		+	+	+
	<b>MACROZOOPLANKTON</b>						
	<b>HYDROZOA</b> (medusa generation)						
<b>1</b>	<i>Blackfordia virginica</i> Mayer, 1910		117313		+		
<b>2</b>	<i>Clytia hemisphaerica</i> (Linnaeus, 1767)	<i>Campanularia johnstoni</i> (Alder, 1856),	117368				
<b>3</b>	<i>Corymorpha nutans</i> M. Sars, 1835		117452		+		
<b>4</b>	<i>Sarsia tubulosa</i> Hartlanb, 1907	<i>Coryne tubulosa</i> (M. Sars, 1835)	117491		+	+	
<b>5</b>	<i>Cladonema radiatum</i> Dugardin, 1843		117425				
<b>6</b>	<i>Eleutheria dichotoma</i> Quatrefages, 1842		117531				
<b>7</b>	<i>Hydractinia carnea</i> (M. Sars, 1846)		151717		+		
<b>8</b>	<i>Odessaia maeotica</i> (Ostroumoff, 1896)	<i>Moerisia maeotica</i> (Ostroumov, 1896), (syn.: <i>Podocorina curnea</i> M. Sars, 1846)	117764		+		
<b>9</b>	<i>Obelia longissima</i> (Pallas, 1766)		117389		+		
<b>10</b>	<i>Rathkea octopunctata</i> (M. Sars, 1835)		117848		+		+
<b>11</b>	<i>Lensia conoidea</i> (Keferstein&Ehlers, 1860)		135426				+
<b>12</b>	<i>Hybocodon prolifer</i> Agassiz, 1860	<i>Tubularia prolifer</i> (L. Agassiz, 1862)	117988				
	<b>SCYPHOZOA</b>						
<b>13</b>	<i>Aurelia aurita</i> (Linnaeus, 1758)		135306		+	+	+
<b>14</b>	<i>Rhizostoma pulmo</i> (Macri, 1778)		135299		+		+
<b>15</b>	<i>Lucernaria</i> sp., O. F. Müller, 1776		132276				+
	<b>Ctenophora (Phylum)</b>						
	<b>Nuda (Class)</b>						
	<b>BEROIDA (Order)</b>						
<b>19</b>	<i>Beroe ovata</i> Mayer, 1912	<i>Beroe ovata</i> Bruquiera, 1789	106362		+	+	+
	<b>TENTACULATA (Class)</b>						
	<b>LOBATA (Order)</b>						
<b>17</b>	<i>Mnemiopsis leidyi</i> (A. Agassiz, 1865)		106401		+	+	+
<b>18</b>	<i>Bolinopsis vitrea</i> (L. Agassiz, 1860)		106396		+		
	<b>CYDIPPIDA (Order)</b>						
<b>19</b>	<i>Pleurobrachia pileus</i> (O. F. Müller, 1776)		106386		+	+	+

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# **Black Sea**

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## **CHECK-LIST**



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