
Attachment 4

HELCOM sub-divisions of the Baltic Sea

The Baltic Sea is sub-divided for regional monitoring and assessment purposes. The sub-dividing is to be done coherently, following commonly agreed sub-divisions and nomenclature. This section of the Strategy provides four possible hierarchical scales for sub-division.

The four possible hierarchical scales for sub-dividing the Baltic Sea for monitoring and assessment purposes are:

- 1) No division: the whole Baltic Sea encompassing the entire HELCOM area,
- 2) Division of the Baltic Sea into 17 sub-basins as indicated in Figure 1 and **Table 1**,
- 3) Division of the Baltic Sea into 17 sub-basins and further division into coastal and off-shore areas (Figure 1 and Table 2),
- 4) Division of the Baltic Sea into 17 sub-basins and further division into coastal and off-shore areas and division of the coastal areas by WFD water types or water bodies (Figure 2 and table 3).

Table 1. Names of open sea sub-basins of the Baltic Sea

Kattegat
Great Belt
The Sound
Kiel Bay
Bay of Mecklenburg
Arkona Basin
Bornholm Basin
Gdansk Basin
Eastern Gotland Basin
Western Gotland Basin
Gulf of Riga
Northern Baltic Proper
Gulf of Finland
Åland Sea
Bothnian Sea
The Quark
Bothnian Bay



Figure 1. Map of the Baltic Sea presenting the HELCOM sub-division into 17 open sub-basins and 42 coastal areas. The names of the open sea areas and coastal areas are provided in Tables 1 and 2, respectively. EEZs of the countries are shown with a grey dashed line.²

² The map is without prejudice to the final settlement of the border between Great Belt Danish Coastal waters and Kiel Bay German Coastal waters in the Flensburger Förde. The settlement of the border is subject to bilateral consultations between Denmark and Germany. The settlement of the border between Poland and Denmark in the Bornholm area is also subject to bilateral consultations between those countries.

Table 2. Codes and names of the coastal water areas

1	Bothnian Bay Finnish Coastal waters
2	Bothnian Bay Swedish Coastal waters
3	The Quark Finnish Coastal waters
4	The Quark Swedish Coastal waters
5	Bothnian Sea Finnish Coastal waters
6	Bothnian Sea Swedish Coastal waters
7	Åland Sea Finnish Coastal waters
8	Åland Sea Swedish Coastal waters
9	Archipelago Sea Coastal waters
10	Northern Baltic Proper Finnish Coastal waters
11	Northern Baltic Proper Swedish Coastal waters
12	Northern Baltic Proper Estonian Coastal waters
13	Gulf of Finland Finnish Coastal waters
14	Gulf of Finland Estonian Coastal waters
15	Gulf of Finland Russian Coastal waters
16	Gulf of Riga Estonian Coastal waters
17	Gulf of Riga Latvian Coastal waters
18	Western Gotland Basin Swedish Coastal waters
19	Eastern Gotland Basin Estonian Coastal waters
20	Eastern Gotland Basin Latvian Coastal waters
21	Eastern Gotland Basin Lithuanian Coastal waters
22	Eastern Gotland Basin Swedish Coastal waters
23	Eastern Gotland Basin Russian Coastal waters
24	Eastern Gotland Basin Polish Coastal waters
25	Gdansk Basin Russian Coastal waters
26	Gdansk Basin Polish Coastal waters
27	Bornholm Basin Swedish Coastal waters
28	Bornholm Basin Polish Coastal waters
29	Bornholm Basin Danish Coastal waters
30	Bornholm Basin German Coastal waters
31	Arkona Basin Swedish Coastal waters
32	Arkona Basin Danish Coastal waters
33	Arkona Basin German Coastal waters
34	Mecklenburg Bight German Coastal waters
35	Mecklenburg Bight Danish Coastal waters
36	Kiel Bight Danish Coastal waters
37	Kiel Bight German Coastal waters
38	Belts Danish Coastal waters
39	The Sound Swedish Coastal waters
40	The Sound Danish Coastal waters
41	Kattegat Swedish Coastal waters
42	Kattegat Danish Coastal waters, including Limfjorden

The scale of sub-division to be chosen may differ depending on the purpose, e.g. monitoring and assessment of mobile marine mammals such as grey seals may require the whole Baltic Sea scale while assessment of eutrophication indicators may be most relevant at the sub-basin scale in the open sea combined with water body or type level in the coastal zone.

The scale to be used should be chosen among the four possible HELCOM scales and jointly agreed.

Other sub-divisions can be agreed and used provided they use the agreed boundaries and remain within the boundaries and use the nomenclature of the described hierarchical system.

To maximise their use for national purposes, regional monitoring and assessment results should be presented in addition in formats (e.g. point/station maps) that allow displaying them within national boundaries (EEZ, including e.g. 12 nm) and showing hot spots. Such presentations take into account evolving national needs e.g. under the MSFD (such as grid-based approaches).

Names of the Baltic Sea sub-basins, coastal areas per sub-basin and coastal water types and water bodies as presented in this section of the Strategy also serves as the common nomenclature of the different sub-areas of the Baltic Sea.

The sub-divisions as well as the names are updated as needs arise.

The maps, names and associated GIS shape files are made available on the HELCOM web site.

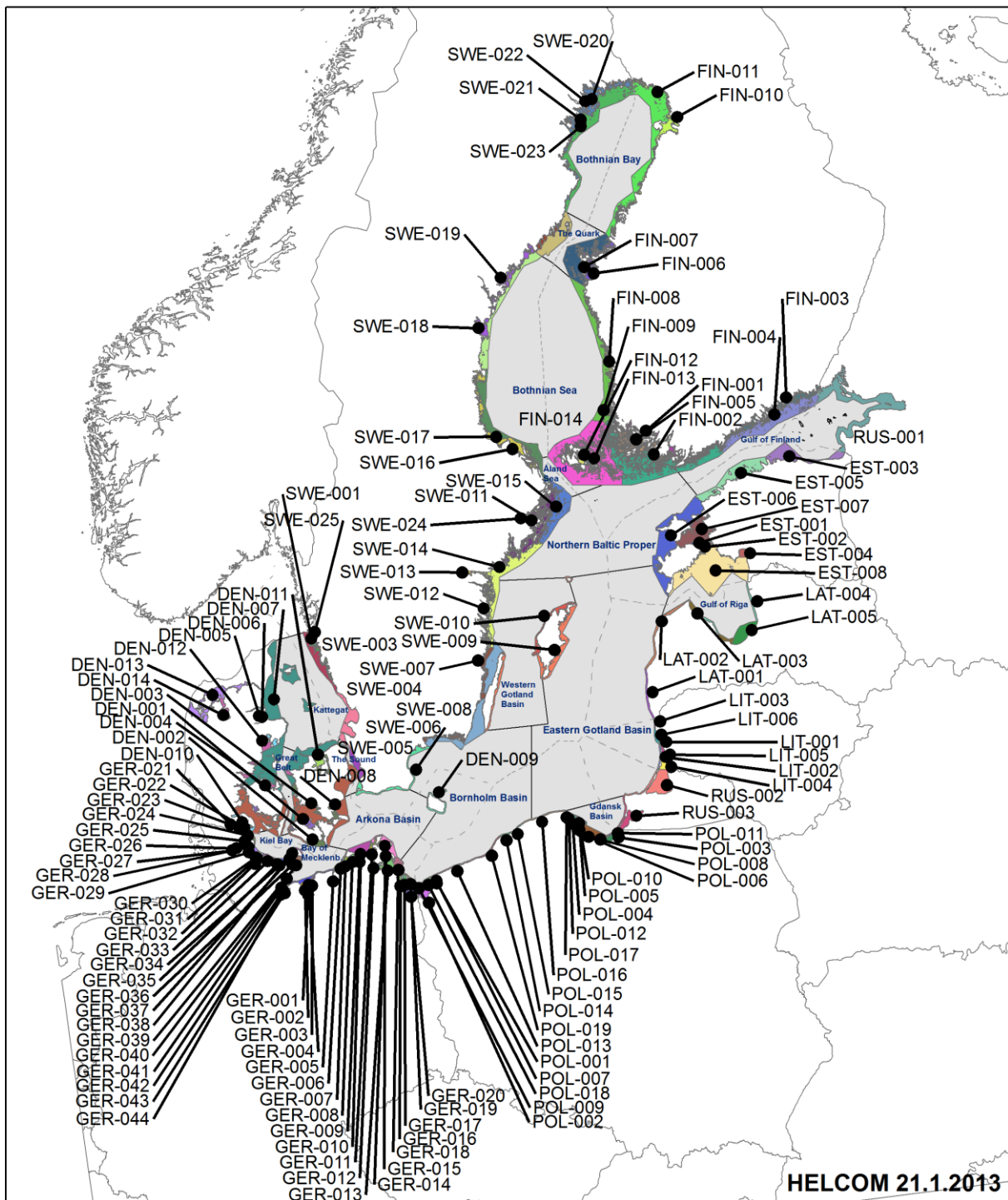


Figure 3. Further division of the coastal areas into WFD related water types and/or water bodies. Descriptions of the codes are provided in Table 3.

Table 3. Type and descriptions of the codes (HELCOM_ID) of the coastal water types or water bodies.

HELCOM_ID	Type, Description
DEN-001	M1
DEN-002	M2
DEN-003	M3
DEN-004	M4
DEN-005	O3
DEN-006	O4
DEN-007	OW2
DEN-008	OW3a
DEN-009	OW3b
DEN-010	P1
DEN-011	P2
DEN-012	P3
DEN-013	P4
DEN-014	Slusefjord
EST-001	Väikse Vaina N
EST-002	Väikse Vaina S
EST-003	Narva-Kunda lahe rannikuvesi
EST-004	Pärnu lahe rannikuvesi
EST-005	Muuga-Tallinna-Kakumäe lahe rannikuvesi
EST-006	Soela väina rannikuvesi
EST-007	Haapsalu lahe rannikuvesi
EST-008	Liivi lahe rannikuvesi
FIN-001	Lounainen sisäsaaristo
FIN-002	Lounainen ulkosaaristo
FIN-003	Suomenlahden sisäsaaristo
FIN-004	Suomenlahden ulkosaaristo
FIN-005	Lounainen välisaaristo
FIN-006	Merenkurkun sisäsaaristo
FIN-007	Merenkurkun ulkosaaristo
FIN-008	Selkämeren sisemät rannikkovedet
FIN-009	Selkämeren ulommat rannikkovedet
FIN-010	Perämeren sisemät rannikkovedet
FIN-011	Perämeren ulommat rannikkovedet
FIN-012	Åland innerskärgård
FIN-013	Åland mellanskärgård
FIN-014	Åland ytterskärgård
GER-001	mesohaline inner coastal waters, Wismarbuch, Suedteil
GER-002	mesohaline inner coastal waters, Wismarbuch, Nordteil
GER-003	mesohaline inner coastal waters, Wismarbuch, Salzhaff
GER-004	mesohaline open coastal waters, Suedliche Mecklenburger Bucht/ Travemuende bis Warnemünde
GER-005	mesohaline inner coastal waters, Unterwarnow
GER-006	mesohaline open coastal waters, Suedliche Mecklenburger Bucht/ Warnemünde bis Darss

GER-007	oligohaline inner coastal waters, Ribnitzer See / Saaler Bodden
GER-008	oligohaline inner coastal waters, Koppelstrom / Bodstedter Bodden
GER-009	mesohaline inner coastal waters, Barther Bodden, Grabow
GER-010	mesohaline open coastal waters, Prerowbucht/ Darsser Ort bis Dornbusch
GER-011	mesohaline inner coastal waters, Nord- und Westruegensche Bodden
GER-012	mesohaline inner coastal waters, Strelasund
GER-013	mesohaline inner coastal waters, Greifswalder Bodden
GER-014	mesohaline inner coastal waters, Kleiner Jasmunder Bodden
GER-015	mesohaline open coastal waters, Nord- und Ostruegensche Gewaesser
GER-016	oligohaline inner coastal waters, Peenestrom
GER-017	oligohaline inner coastal waters, Achterwasser
GER-018	mesohaline open coastal waters, Pommersche Bucht, Nordteil
GER-019	mesohaline open coastal waters, Pommersche Bucht, S ³ dteil
GER-020	oligohaline inner coastal waters, Kleines Haff
GER-021	mesohaline inner coastal waters, Flensburg Innenfoerde
GER-022	mesohaline open coastal waters, Geltinger Bucht
GER-023	meso- to polyhaline open coastal waters, seasonally stratified, Flensburger Aussenfoerde
GER-024	mesohaline open coastal waters, Aussenschlei
GER-025	mesohaline inner coastal waters, Schleimuende
GER-026	mesohaline inner coastal waters, Mittlere Schlei
GER-027	mesohaline inner coastal waters, Innere Schlei
GER-028	mesohaline open coastal waters, Eckerfoerder Bucht, Rand
GER-029	meso- to polyhaline open coastal waters, seasonally stratified, Eckerfoerderbucht, Tiefe
GER-030	mesohaline open coastal waters, Buelk
GER-031	meso- to polyhaline open coastal waters, seasonally stratified, Kieler Aussenfoerde
GER-032	mesohaline inner coastal waters, Kieler Innenfoerde
GER-033	mesohaline open coastal waters, Probstei
GER-034	mesohaline open coastal waters, Putlos
GER-035	meso- to polyhaline open coastal waters, seasonally stratified, Hohwachter Bucht
GER-036	mesohaline open coastal waters, Fehmarnsund
GER-037	mesohaline inner coastal waters, Orther Bucht
GER-038	mesohaline open coastal waters, Fehmarnbelt
GER-039	meso- to polyhaline open coastal waters, seasonally stratified, Fehmarn Sund Ost
GER-040	mesohaline open coastal waters, Groemitz
GER-041	mesohaline open coastal waters, Neustaedter Bucht
GER-042	mesohaline inner coastal waters, Travemuende
GER-043	mesohaline inner coastal waters, Poetenitzer Wiek
GER-044	mesohaline inner coastal waters, Untere Trave
LAT-001	South-eastern exposed stony coast, waterbody A
LAT-002	South-eastern exposed sandy coast, waterbody B
LAT-003	Gulf of Riga sandy coast, waterbodies C&E
LAT-004	Gulf of Riga stony coast, waterbodies D&F
LAT-005	Gulf of Riga transitional waters
LIT-001	Heavily modified waterbody. Klaipeda Strait
LIT-002	Coastal waters. Southern coastal sandy coast
LIT-003	Coastal waters. Nothern coastal stony coast

LIT-004	Transitional waters. Central part of the lagoon
LIT-005	Transitional waters. Northern part of the lagoon
LIT-006	Transitional waters. Plume of the lagoon
POL-001	PL TW I WB 9 very sheltered, fully mixed, substratum: silt/sandy silt/silty sand; ice cover >90 days, water residence time 52 days
POL-002	PL TW I WB 8 very sheltered, fully mixed, substratum: silt/sandy silt/silty sand; ice cover >90 days, water residence time 52 days
POL-003	PL TW I WB 1 very sheltered, fully mixed, substratum: silt/sandy silt/silty sand; ice cover >90 days, water residence time 52 days
POL-004	PL TW II WB 2 very sheltered, fully mixed, substratum: lagoonal fine sand medium grained sand/silty sand; residence time 138 day, ice cover >90 days
POL-005	PL TW III WB 3 partly protected, partly stratified, substratum: medium grained sand/pebbles/marine silty sand; ice-incident
POL-006	PL TW IV WB 4 partly stratified, moderately exposed, substratum: sand/silt; ice - incidental
POL-007	PL TW V WB 6 river mouth, partly stratified, partly sheltered, substratum: medium grained sand/silty sand
POL-008	PL TW V WB 5 river mouth, partly stratified, partly sheltered, substratum: medium grained sand/silty sand
POL-009	PL TW V WB 7 river mouth, partly stratified, partly sheltered, substratum: medium grained sand/silty sand
POL-010	PL CWI WB2 coastal waters, moderately exposed, fully mixed, substratum:sand/fine sand
POL-011	PL CWI WB1 coastal waters, moderately exposed, fully mixed, substratum:sand/fine sand
POL-012	PL CWI WB3 coastal waters, moderately exposed, fully mixed, substratum:sand/fine sand
POL-013	PL CW II WB 8 central Polish coast, coastal waters, exposed, fully mixed, substratum: sand/pebbles/gravel
POL-014	PL CW II WB 6W central Polish coast, coastal waters, exposed, fully mixed, substratum: sand/pebbles/gravel
POL-015	PL CW II WB 6E central Polish coast, coastal waters, exposed, fully mixed, substratum: sand/pebbles/gravel
POL-016	PL CWII WB5 central Polish coast, coastal waters, exposed, fully mixed, substratum: sand/pebbles/gravel
POL-017	PL CWII WB4 central Polish coast, coastal waters, exposed, fully mixed, substratum: sand/pebbles/gravel
POL-018	PL CW III WB 9 central Polish coast, coastal waters, exposed, fully mixed, substratum: sand/pebbles/gravel
POL-019	PL CW III WB 7 central Polish coast, coastal waters, exposed, fully mixed, substratum: sand/pebbles/gravel
RUS-001	Eastern Gulf of Finland
RUS-002	Russian coast of Baltic Proper
RUS-003	Russian coast of Gulf of Gdansk
SWE-001	1s West Coast inner coastal water
SWE-003	4 West Coast outer coastal water, Kattegat
SWE-004	5 South Halland and north Öresund coastal water
SWE-005	6 Öresund coastal water
SWE-006	7 Skåne coastal water
SWE-007	8 Blekinge archipelago and Kalmarsund, inner coastal water
SWE-008	9 Blekinge archipelago and Kalmarsund, outer coastal water
SWE-009	10 Öland and Gotland coastal water
SWE-010	11 Gotland north-west coastal water
SWE-011	12n Östergötland and Stockholm archipelago, middle coastal water
SWE-012	12s Östergötland and Stockholm archipelago, middle coastal water
SWE-013	13 Östergötland inner coastal water
SWE-014	14 Östergötland outer coastal water
SWE-015	15 Stockholm archipelago, outer coastal water

SWE-016	16 South Bothnian Sea, inner coastal water
SWE-017	17 South Bothnian Sea, outer coastal water
SWE-018	18 North Bothnian Sea, Höga kusten, inner coastal water
SWE-019	19 North Bothnian Sea, Höga kusten, outer coastal water
SWE-020	20 North Quark inner coastal water
SWE-021	21 North Quark outer coastal water
SWE-022	22 North Bothnian Bay, inner coastal water
SWE-023	23 North Bothnian Bay, outer coastal water
SWE-024	24 Stockholm inner archipelago
SWE-025	25 Göta and Nordre älv estuary

Abbreviations

BD	Directive 2009/147/EC of the European Parliament and of the Council of 30 November 2009 on the conservation of wild birds
BOOS	Baltic Operational Oceanographic System
BSAP	HELCOM Baltic Sea Action Plan
EEA	European Environment Agency
EMEP	European Monitoring and Evaluation Programme European for long-range transboundary air pollution
EMODnet	European Marine Observation and Data Network
HD	Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora
HELCOM	Helsinki Commission
IAEA	International Atomic Energy Agency
ICES	International Council for Exploration of the Seas
INSPIRE	Infrastructure for Spatial Information in the European Community
IPPC Directive	Directive 2008/1/EC of the European Parliament and of the Council of 15 January 2008 concerning integrated pollution prevention and control
MSFD	Directive 2008/56/EC of the European Parliament and of the Council of 17 June 2008 establishing a framework for community action in the field of marine environmental policy (Marine Strategy Framework Directive)
SeaDataNet	Pan-European Infrastructure for Ocean & Marine Data Management
OECD	Organisation for Economic Co-operation and Development
QUASIMEME	active Community of Practice for Marine Environmental Measurements
UNEP	United Nations Environment Programme
WFD	Directive 2000/60/EC of the European Parliament and of the Council establishing a framework for the Community action in the field of water policy (Water Framework Directive)