

AA.M1B7 BALTIC PHOTIC MIXED SUBSTRATE DOMINATED BY COMMON EELGRASS (*ZOSTERA MARINA*)

AUTHOR

HELCOM RED LIST Biotope Expert Team

TEXTUAL DESCRIPTION

Baltic bottoms in the photic zone with more than 10 %, but less than 90 % coverage of both hard and soft substrata. Submerged rooted plants cover least 10 % of the seabed and more than other perennial attached erect groups. Out of the submerged rooted plants, common eelgrass constitutes at least 50 % of the biovolume.

PHYSICAL ENVIRONMENT

Salinity range: >6 psu; Exposure range: moderate to high; Depth range: photic zone from about 1 to 6 meters.

CHARACTERISTIC SPECIES

Zostera marina

QUALITY DESCRIPTORS

Lower limit of vegetation, amount of epiphytic algae

GEOGRAPHIC RANGE

Whole Baltic Sea

ANTHROPOGENIC THREATS

Eutrophication

CORRESPONDENCE WITH OTHER CLASSIFICATION SYSTEMS

HELCOM 1998:

2.8 Mixed sediment bottoms

2.8.2 Sublittoral photic zone

2.8.2.2 Dominated by macrophyte vegetation

HELCOM 2007:

Seagrass beds

- Habitat under threat and/or in decline in all areas of occurrence. The Bothnian Sea, Åland Sea, Archipelago Sea, Gulf of Finland, Gulf of Riga, The Northern Baltic Proper, Western Gotland Basin, Eastern Gotland Sea, The Southern Baltic Proper, The Gulf of Gdansk, Bay of Mecklenburg, Kiel Bay, Little Belt, Great Belt, The Sound, Kattegat

EUNIS 2012:

A5 Sublittoral sediment

A5.5 Sublittoral macrophyte-dominated sediment

A5.54 Angiosperm communities in reduced salinity

A5.545 [*Zostera*] beds in reduced salinity infralittoral sediments

<http://eunis.eea.europa.eu/habitats/5611>

OSPAR list of threatened biotopes:

Zostera beds

Habitat occurs in the OSPAR Region II (including Kattegat) and is listed threatened and/or in decline in this region