

## Infaunal communities in Baltic upper circalittoral mixed sediment

### Summary

There is insufficient information to full describe any pressures and threats or conservation management measures for this habitat at the present time.

### Synthesis

There is insufficient information on habitat extent, quality and changes over time to assess this habitat at the present time. It has therefore been assessed as Data Deficient for both the EU 28 and EU 28+.

Overall Category & Criteria			
EU 28		EU 28+	
Red List Category	Red List Criteria	Red List Category	Red List Criteria
Data Deficient	-	Data Deficient	-

### Sub-habitat types that may require further examination

Non.e

### Habitat Type

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#### Code and name

Infaunal communities in Baltic upper circalittoral mixed sediment

#### Description

No characteristic photographs of this habitat currently available.

#### Habitat description

This habitat occurs in the Baltic on aphotic bottoms with 10- 90% coverage of hard (rock/boulders/stone) and 10-90% soft substrata (e.g. muddy/coarse sediment/sand) according to the HELCOM HUB classification.

Indicators of quality:

None identified

Characteristic species:

None identified

### **Classification**

EUNIS:

The closest correspondence in EUNIS (2004) level 4 is A5.41 Sublittoral mixed sediment in low or reduced salinity

Annex 1:

The relationship between HUB biotopes and Annex 1 habitats has not yet been mapped by HELCOM, however this habitat may occur in the following Annex 1 habitats:

1110 Sandbanks slightly covered all the time

1160 Large shallow inlets and bays

1650 Boreal Baltic narrow inlets

MAES:

Marine - Marine inlets and transitional waters

Marine - Coastal

MSFD:

Shallow sublittoral coarse sediment

Shallow sublittoral mixed sediment

EUSEaMap:

Shallow coarse or mixed sediments

IUCN:

9.3 Subtidal loose rock/pebble/gravel

9.4 Subtidal sandy

9.5 Subtidal sandy mud

**Does the habitat type present an outstanding example of typical characteristics of one or more biogeographic regions?**

Unknown

Justification

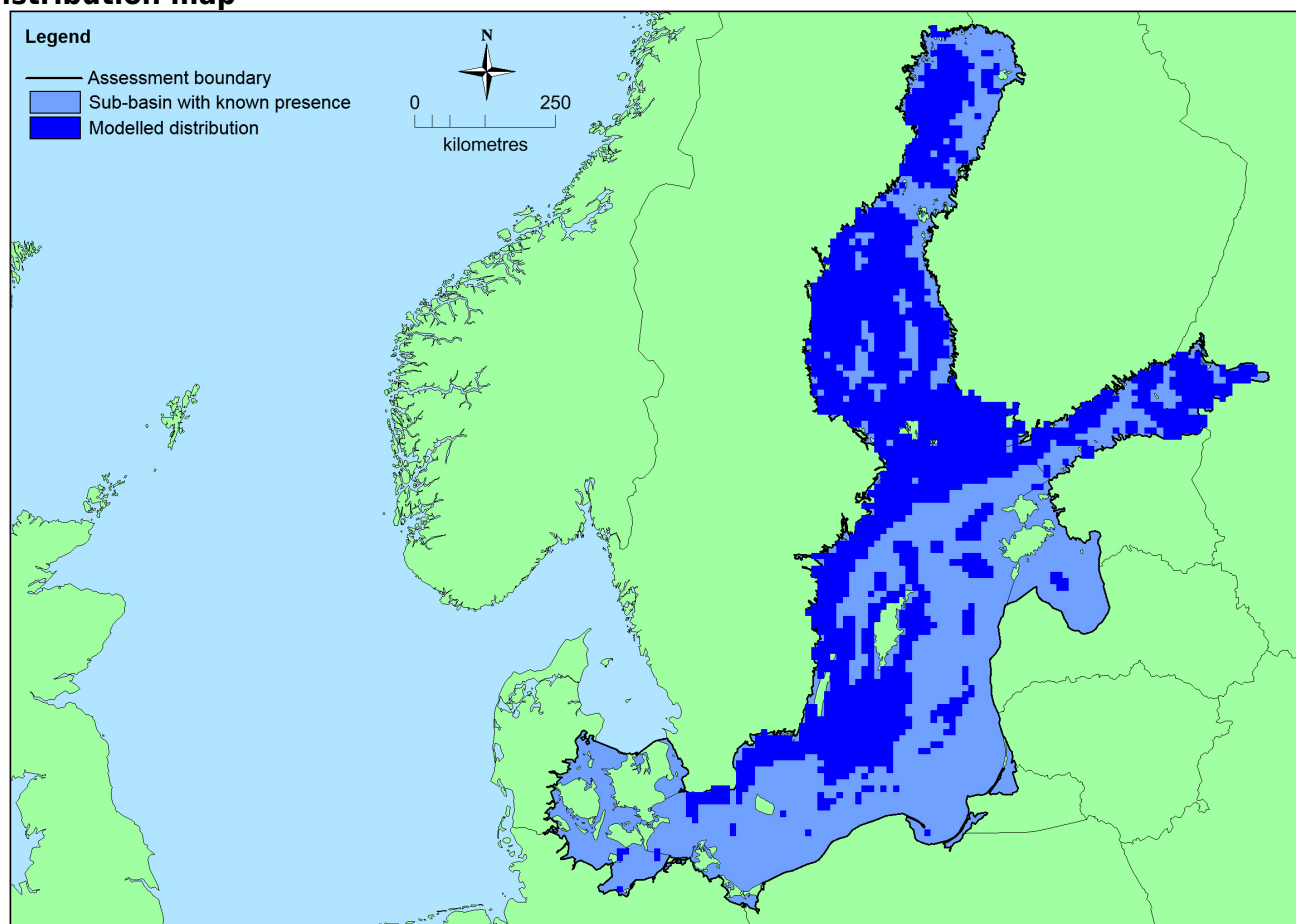
**Geographic occurrence and trends**

Region	Present or Presence Uncertain	Current area of habitat	Recent trend in quantity (last 50 yrs)	Recent trend in quality (last 50 yrs)
<i>Baltic Sea</i>	Baltic Proper: Present Belt Sea: Present Gulf of Bothnia: Present Gulf of Finland: Present Gulf of Riga: Present The Sound: Present	Unknown Km <sup>2</sup>	Unknown	Unknown

**Extent of Occurrence, Area of Occupancy and habitat area**

	Extent of Occurrence (EOO)	Area of Occupancy (AOO)	Current estimated Total Area	Comment
<i>EU 28</i>	Unknown Km <sup>2</sup>	Unknown	Unknown Km <sup>2</sup>	This habitat is present in all the Baltic sub-basins however there is insufficient information for accurate calculation of EOO and AOO.
<i>EU 28+</i>	Unknown Km <sup>2</sup>	Unknown	Unknown Km <sup>2</sup>	This habitat is widespread however there is insufficient quantitative data to make an accurate estimate of EOO and AOO.

**Distribution map**



There are insufficient data to provide a comprehensive and accurate map of the distribution of this habitat. This map has therefore been generated using the modelled data available on EMODnet for EUNIS level 3 habitats in the Baltic Sea (EMODnet, 2010). This means it indicates potential areas in which this habitat

may occur, not the actual distribution of this EUNIS level 4 habitat.

## **How much of the current distribution of the habitat type lies within the EU 28?**

Unknown

### **Trends in quantity**

Unknown

- Average current trend in quantity (extent)

EU 28: Unknown

EU 28+: Unknown

- Does the habitat type have a small natural range following regression?

Unknown

*Justification*

- Does the habitat have a small natural range by reason of its intrinsically restricted area?

Unknown

*Justification*

### **Trends in quality**

Unknown

- Average current trend in quality

EU 28: Unknown

EU 28+: Unknown

## **Pressures and threats**

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No pressures and threats have been identified specifically for this habitat.

### **List of pressures and threats**

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## **Conservation and management**

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No conservation and management measures have been identified specifically for this habitat.

### **List of conservation and management needs**

#### **No measures**

No measures needed for the conservation of the habitat/species

### **Conservation status**

Annex 1:

1110: MBAL U1

1160: MBAL U2

1650: MBAL U2

HELCOM (2013) assessments:

1110 VU C1

1160 VU C1

HELCOM (2013) did not evaluate this habitat type.

**When severely damaged, does the habitat retain the capacity to recover its typical character and functionality?**

Unknown

**Effort required**

**Red List Assessment**

**Criterion A: Reduction in quantity**

Criterion A	A1	A2a	A2b	A3
EU 28	unknown %	unknown %	unknown %	unknown %
EU 28+	unknown %	unknown %	unknown %	unknown %

There was insufficient information on habitat extent, quality and changes over time to assess this habitat at the present time. It is therefore assessed as Data Deficient under criterion A for both the EU 28 and EU 28+.

**Criterion B: Restricted geographic distribution**

Criterion B	B1				B2				B3
	EOO	a	b	c	AOO	a	b	c	
EU 28	unknown Km <sup>2</sup>	Unknown	Unknown	unknown	unknown	Unknown	Unknown	unknown	unknown
EU 28+	unknown Km <sup>2</sup>	Unknown	Unknown	unknown	unknown	Unknown	Unknown	unknown	unknown

There was insufficient information on habitat extent, quality and changes over time to assess this habitat at the present time. It is therefore assessed as Data Deficient under Criteria B.

**Criterion C and D: Reduction in abiotic and/or biotic quality**

Criteria C/D	C/D1		C/D2		C/D3	
	Extent affected	Relative severity	Extent affected	Relative severity	Extent affected	Relative severity
EU 28	unknown %	unknown %	unknown %	unknown %	unknown %	unknown %
EU 28+	unknown %	unknown %	unknown %	unknown %	unknown %	unknown %

Criterion C	C1		C2		C3	
	Extent affected	Relative severity	Extent affected	Relative severity	Extent affected	Relative severity
EU 28	unknown %	unknown %	unknown %	unknown %	unknown %	unknown %
EU 28+	unknown %	unknown %	unknown %	unknown %	unknown %	unknown %

Criterion D	D1		D2		D3	
	Extent affected	Relative severity	Extent affected	Relative severity	Extent affected	Relative severity
EU 28	unknown %	unknown%	unknown %	unknown%	unknown %	unknown%
EU 28+	unknown %	unknown%	unknown %	unknown%	unknown %	unknown%

Experts considered there to be insufficient data on which to assess criteria C/D.

### Criterion E: Quantitative analysis to evaluate risk of habitat collapse

Criterion E	Probability of collapse
EU 28	unknown
EU 28+	unknown

There is no quantitative analysis available to estimate the probability of collapse of this habitat type.

### Overall assessment "Balance sheet" for EU 28 and EU 28+

	A1	A2a	A2b	A3	B1	B2	B3	C/D1	C/D2	C/D3	C1	C2	C3	D1	D2	D3	E
EU28	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD
EU28+	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD	DD

Overall Category & Criteria			
EU 28		EU 28+	
Red List Category	Red List Criteria	Red List Category	Red List Criteria
Data Deficient	-	Data Deficient	-

### Confidence in the assessment

Low (mainly based on uncertain or indirect information, inferred and suspected data values, and/or limited expert knowledge)

### Assessors

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### Contributors

HELCOM RED LIST Biotope Expert Team 2013 and Baltic Sea Working Group for the European Red List of Habitats 2014 and 2015.

### Reviewers

G. Saunders.

### Date of assessment

11/07/2015

### Date of review

06/01/2016

### References

HELCOM 2013. HELCOM HUB. Technical Report on the HELCOM Underwater Biotope and habitat classification Baltic Sea Environmental Proceedings No. 139.