

# UNESCO ühendkoolide võrgustiku Läänemere Projekti rannikuvaatluste kokkuvõte Eesti koolide põhjal 2017-(2018)



## Rannikuvaatlusel osalenud koolid

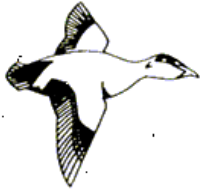
- Pärnu Ülejõe Põhikool  
Õp. Daisy Kärner  
Osalejaid 8
- Rakvere Põhikool  
Õp. Vilja Podanik  
Osalejaid 2
- Lihula Gümnaasium  
Õp. Marje Loide  
Osalejaid 3
- Tartu Waldorfgümnaasium  
Osalejaid 3
- Kohtla-Järve Maleva Põhikool  
Õp. Krista Piir  
Osalejaid 14
- Viimsi Keskkool  
Õp. Karin Keert  
Osalejaid 5

2017. aastal viidi läbi 6 rannikuvaatlust, millest võttis osa 35 õpilast. Osalevad õpilased õppisid 5.-12. klassis. Võib-olla on rannikuvaatlusi tehtud rohkem, aga tagasiside lehti pole koordinaatorile rohkem laekunud. 2017. aastast alates on võimalus veebiversioonis vaatlusandmeid sisestada, mis teeb olukorra lihtsamaks ja kaasaegsemaks.

2017. aasta andmed on märgitud [sinisega](#) ja kuna 2018. aasta kevadel on tehtud juba ka üks rannikuvaatlus, siis kanti need tulemused siia [punasega](#).

## Põnevamad tähelepanekud rannikuvaatluse andmete põhjal:

- Kõik vaadeldavad kohad olid spetsiaalselt märgistatud (rahvuspark ja/või supelrand) ja kergesti ligipääsetavad.
- Leitud prügist moodustasid kõige suurema osa plastikust ostukotid ja pudelid ning klaaspudelid, samuti leiti rohkem toidujäätmed, paberit, sanitaarmaterjale ja jalatseid ning tekstiiljäätmeid.
- Kahjuks ei nähtud ühtegi hüljest, aga see eest märgati erinevaid linde.



## BSP COASTWATCH QUESTIONNAIRE RESULTS

A 5 Do you know your site: Well 3 1 1 A little 2 2 Here on 1<sup>st</sup> or 2<sup>nd</sup> visit 1 3

A 6 Is your unit (part of) specially designated area? Yes 6 1 1 No \_\_\_ 2 Don't know \_\_\_ 3

A 7 If your unit is specially designated please mark:

UNESCO Biosphere Reserve \_\_\_ 1

Ramsar Site \_\_\_ 2

National Park 1 2 3

Nature or Marine Reserve \_\_\_ 4

Other designation of natural importance \_\_\_ 5

Bathing water 4 1 6

A 7 Is access to your coastal unit:

Easy by foot/vehicle 6 1 1 Difficult or normally \_\_\_ 2 Tick, if access is prohibited \_\_\_ 3

**B INFLUENCES FROM LAND** immediate hinterland up to 500 m beyond the splash zone

**B 1** Is the immediate hinterland (up to 500 m from splash zone) mainly devoted to:  
(tick up to five boxes if necessary)

Military zone 1 14

Other \_\_\_ 15

Intensive grazing 1 1

Tillage farming incl. horticulture \_\_\_ 2

Scrub or rough grazing 1 3

Dunes 2 1 4

Park/woodland/forest 4 1 5

Wetland (bog, marsh, lagoon) 1 6

Rock/sand 4 1 7

Village or residential 2 8

Tourist resort 1 9

Waste tip \_\_\_ 10

Industry, port industry, power station \_\_\_ 11

Transport: road, train port, marinas 2 12

Construction site \_\_\_ 13

**C SPLAZH ZONE the shoreline from mean high water up to spring high water**

**C 1** Indicate what the area is mainly composed of: (tick maximum 2 categories)

Solid rock 1	Boulders 20 cm + 4 1 2	Gravel 0.2-20 cm 2 3	Sand 4 1 4	Silt or Mud 2 5	Other (built walls) 6
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**C 2** Which of the plants listed did you find in your unit?

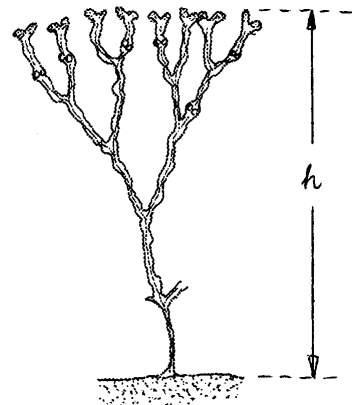
Reed bed 2 1	Sea Grass <i>Zostera</i> 1 2	Brown or Red Algae 6 3	Green algae		Dislodged decaying algae 6 2	Other 1 7
			Patches or thin band 3 4	Extensive cover or thick mats 5 2		

**C 3** Size of bladder wrack *Fucus vesiculosus*, varies in different areas of the Baltic Sea depending on living conditions. If you have found bladder wrack in your area, please take 3 – 5 plants and measure the length of the plant from the attaching place to the top of the longest branch and calculate the average.

Plant was attached yes 2 no 4 1

Average length of bladder wrack 18cm 23cm

Look carefully bladder wrack plants. Are there growing other alga (hair, filaments).  
none 2,1 a few 4 many \_\_\_\_\_



**C 4** If you know area well indicate whether there was any visible algal blooms in water this spring or summer

Yes 2 1 No 2 2 Don't know 1 2 3

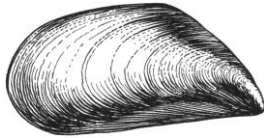
**C 5** Indicate which of the animals listed you found live (L) or dead (D):

Jellyfish	Worms and wormcasts	Shellfish eg cockles, winkles		Crustaceans eg crabs		Fish		Seabirds		Seals		Dolphins		Rats	
3 <sub>1</sub>	2	L 1 3	D 3 <sub>4</sub>	L 1 5	D 1 <sub>6</sub>	L 1 7	D 3 <sub>8</sub>	L 1 9	D 10	L 11	D 12	L 13	D 14	L 15	D 16
<b>How many of each? →</b>								161							
								94							

**C 6** Which of the following animals were you lucky to find along your part of the shore?

Blue mussel *Mytilus edulis*

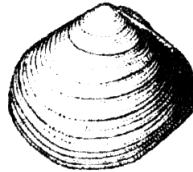
1 none  5 a few  many



Length 1.5 – 10 cm

Baltic clam *Macoma baltica*

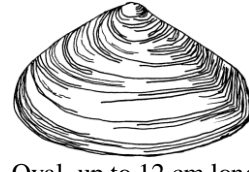
1 none  3 a few  1 2 many



Triangular shell

*Mya arenaria*

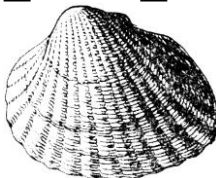
3 none  3 1 a few  many



Oval, up to 12 cm long

Common cockle *Cerastoderma glaucum*

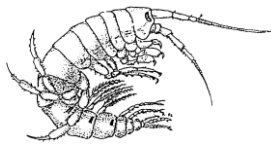
2 none  4 1 a few  many



Heart-shaped, transverse ridges

*Gammarus sp.*

1 2 none  3 a few  many



**C 7** Did you find any visibly oiled birds (live or dead) during your survey?

How many live oiled birds? 0 0 How many dead oiled birds? 0 0

## D GENERAL LITTERING

**D 1** Tick any major item(s) found on your unit

Landfill materials (e.g. concrete, rubble, debris from sea defences etc.)	1	1
Large metal objects e.g. abandoned vehicles, girders (exclude bins)	2	1
Household furnishings (beds, carpets, pieces of furniture etc.)	3	1

Household refuse in bags or piles of rubbish	4	1
Ship wreckage or small metal parts of ship wreckage	5	
Dumped crops (potatoes, onions etc.)	6	1

**D 2** Please count each type of beverage container, can holders, tyres and plastic shopping bags found anywhere on the shore. If the number is too large to count, estimate it.

Use dashed lines for tally ~~III~~-III

  10       1    

**Glass bottles (drinks)**

  3       0    

**Metal drinks container**

  6       0    

**Plastic drinks containers**

  0       0    

**Can holders**

  3       0    

**Paper or lined paper drinks containers**

  1       0    

**Tyres (Half a tyre or more = 1)**

 14    1  

**Plastic shopping bags**

**D 3** Tick which of the following items of general litter or pollution you found on your unit:

Lost or discarded plastic fishing & aquaculture gear (nets, lines, bags)	1	1 0
Packing straps	2	2 0
Hard plastic containers (including crates)	3	0 0
Foamed polystyrene and polyurethane	4	0 0
Sanitary material (incl. condoms, sanitary towel)	5	10 0
Other plastics (not sanitary, bottles, bags, can holders, straps)	6	4 1
Tar, oil, petrol, diesel	7	0 0
Containers of potentially hazardous substance (chemicals etc.)	8	0 0
Textiles, shoes, gloves, items of clothing	9	7 0
Paper, cardboard, worked wood, vegetable waste	10	14 1
Food, fish waste and bones	11	0 0
Faeces (mammal incl. human)	12	1 0
Medical waste e.g. syringes, plasters	13	3 0
Glass (including light bulbs)	14	1 0
Cans (including non-hazardous spray cans, camping gas)	15	3 0

## E GENERAL OBSERVATIONS

**E 1** Has recent weather made the appearance of your coastal unit change?

Yes, it looks cleaner than usual 3<sub>1</sub> Yes, looks worse than usual \_\_\_<sub>2</sub>  
 No, recent weather is insignificant 11<sub>3</sub> Don't know 2<sub>4</sub>

**E 2** Has the beach been cleaned within the last week?

Yes \_\_\_<sub>1</sub> No 41<sub>2</sub> Don't know 3<sub>3</sub>

**E 3** Is there any planned change of character (positive or negative) which is imminent for this coastal unit?

Yes \_\_\_<sub>1</sub> No 4<sub>2</sub> Don't know 21<sub>3</sub>

**E 4** If you have evidence of a serious risk or imminent planned change for the worse, please tick up to five boxes which describe the principal risk or imminent negative changes

Erosion 1	Beach mining 1 2	Construction 3	Dumping/ tipping 4	Water pollution	Recreational abuse 10	Other 11
	Sewage 5	Radioactivity 6	Oil 7	Industry 8	Agriculture or industrial farming 9	

**E 5** Please enter an short comment or obser

Ilm oli hea ja meil oli lõbus

Rannik oli puhas ja loodetavasti on see ka tulevikus nii

40 ranta leucopsis (valgepõsk-lagle)

Rannik oli puhas, ilm oli soe ja meri rahulik, me nägime kormorane, kajakaid, luikesid