

## BSP COASTWATCH QUESTIONNAIRE

**Survey is to be done: 12.-25. 09.2012**

This questionnaire is for 500 m of shoreline

### A INFORMATION ON SITE AND SURVEYORS

**A1**

Please draw a map of  
your excursion area in  
the box

**A 2** Map name of the survey area or unit: **Vainupea**

**A3** School name and address: **Kadrina Secondary School;  
Rakvere tee 4, Kadrina, Estonia**

**A31** Teachers name, class and number of  
students taking part of survey:

**Siret Pung; Form 11 (6 students), Group II**

**A 32** Address of school and teacher's e-mail: **siret.pung@gmail.com**

**A 4** Date of the survey /day/month/year/: **28.09.2012**

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

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

**A 7** If your unit is specially designated please mark:

UNESCO Biosphere Reserve \_\_\_ <sub>1</sub>

Ramsar Site \_\_\_ <sub>2</sub>

National Park \_\_\_ <sub>3</sub>

Nature or Marine Reserve \_\_\_ <sub>4</sub>

Other designation of natural importance \_\_\_ <sub>5</sub>

Bathing water \_\_\_ <sub>6</sub>

**A 7** Is access to your coastal unit:

Easy by foot/vehicle **X** <sub>1</sub> Difficult or normally \_\_\_ <sub>2</sub> Tick, if access is prohibited \_\_\_ <sub>3</sub>  
impossible by foot/vehicle

**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 )

- |  |   |
|--|---|
| Intensive grazing ___ 1                  | Village or residential <b>X</b> 8             |
| Tillage farming incl. horticulture ___ 2 | Tourist resort ___ 9                          |
| Scrub or rough grazing <b>X</b> 3        | Waste tip ___ 10                              |
| Dunes <b>X</b> 4                         | Industry, port industry, power station ___ 11 |
| Park/woodland/forest <b>X</b> 5          | Transport: road, train port, marinas ___ 12   |
| Wetland (bog, marsh, lagoon) ___ 6       | Construction site ___ 13                      |
| Rock/sand <b>X</b> 7                     | Military zone ___ 14                          |
|  | Other ___ 15                                  |

**B 2** Please count inflows as you walk your unit. Give details **up to 4** inflows in the order encountered. If there are more than four, choose the most important in terms of potential pollution impact.

	1	2	3	4
<b>Type of inflow</b> Write <b>P</b> = pipe, <b>S</b> = Seepage, <b>OD</b> = open drain, Storm drain or irrigation canal, <b>R</b> = River/stream, lagoon inflow				
<b>Size of inflow:</b> Small = 1, Medium = 2, Large = 3				
Please tick for each inflow if it has...				
Signs of animal life in the water?	3	3	3	3
Has the inflow a bad smell?	4	4	4	4
Discoloration/scum/froth from pollution?	5	5	5	5
Dead fish?	6	6	6	6
Dumped debris in or beside inflow?	7	7	7	7
Visible sewage?	8	8	8	8
Oil or petrol or diesel?	9	9	9	9

**Total number of inflows in unit** \_\_\_\_\_

**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 + <b>X</b> 2	Gravel 0.2-20 cm <b>X</b> 3	Sand 4	Silt or Mud 5	Other (built walls) 6
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**C 2** Which of the plants listed did you find in your unit?

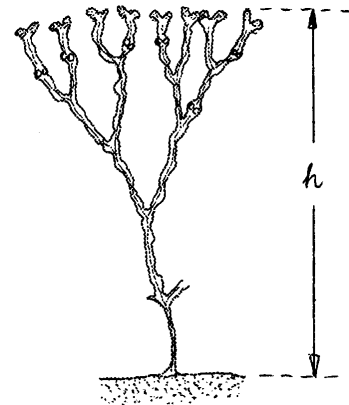
Reed bed	Sea Grass <i>Zostera</i>	Brown or Red Algae	Green algae		Dislodged decaying algae	Other
			Patches or thin band	Extensive cover or thick mats		
X 1	X 2	X 3	X 4	X 5	X 6	X 7

**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 **X** no \_\_\_

Average length of bladder wrack **16,8** cm

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



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

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

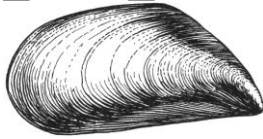
**C 5** Indicate which of the animals listed you found live (L) or dead (D):

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

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

Blue mussel *Mytilus edulis*

none  a few  many



Length 1.5 – 10 cm

Baltic clam *Macoma baltica*

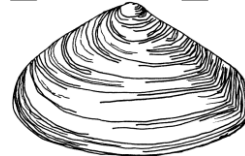
none  a few  many



Triangular shell

*Mya arenaria*

none  a few  many



Oval, up to 12 cm long

Common cockle *Cerastoderma glaucum*

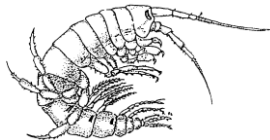
none  a few  many



Heart-shaped, transverse ridges

*Gammarus sp.*

none  a few  many



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

How many live oiled birds? **0** How many dead oiled birds? **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	-
Large metal objects e.g. abandoned vehicles, girders (exclude bins)	2	-
Household furnishings (beds, carpets, pieces of furniture etc.)	3	-
Household refuse in bags or piles of rubbish	4	-
Ship wreckage or small metal parts of ship wreckage	5	-
Dumped crops (potatoes, onions etc.)	6	-

**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

_____ 2	<input type="checkbox"/>	<b>Glass bottles (drinks)</b>
_____ 1	<input type="checkbox"/>	<b>Metal drinks containers</b>
_____ 1	<input type="checkbox"/>	<b>Plastic drinks containers</b>
_____	<input type="checkbox"/>	<b>Can holders</b>
_____	<input type="checkbox"/>	<b>Paper or lined paper drinks containers</b>
_____	<input type="checkbox"/>	<b>Tyres (Half a tyre or more = 1)</b>
_____ 2	<input type="checkbox"/>	<b>Plastic shopping bags</b>

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

**E GENERAL OBSERVATIONS**

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

Yes, it looks cleaner than usual \_\_\_ 1      Yes, looks worse than usual **X** 2  
 No, recent weather is insignificant \_\_\_ 3      Don't know \_\_\_ 4

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

Yes \_\_\_ 1

No \_\_\_ 2

Don't know **X** 3

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

Yes \_\_\_ 1

No \_\_\_ 2

Don't know **X** 3

**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 2	Construction 3	Dumping/ tipping 4	Water pollution	Recreational abuse 10	Other 11
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Sewage 5	Radioactivity 6	Oil 7	Industry 8	Agriculture or industrial farming 9
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**E 5** Please enter an short comment or observation:

**Please look Questionnaire I (Group I)!**