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: Virtsu harbour

A3   School name and address: Lihula Gümnaasium, Läänemaa, Lihula vald

A31 Teachers name, class and number of students taking part of survey:
Marje Loide, 9th and 8th class, four students

A 32 Address of school and teacher´s e-mail: Läänemaa, Lihula 90302, Jaama 9; marjeloide@yahoo.com

A 4   Date of the survey /day/month/year/ 18.09.2012

A 5   Do you know your site: Well ___ 1   A little X 2   Here on 1st or 2nd visit __1st _ 3

A 6   Is your unit (part of) specially designated area?   Yes ___ 1 No X 2 Don´t know ___ 3

A 7   If your unit is specially designated please mark:

UNESCO Biosphere Reserve X 1
Ramsar Site X 2
National Park ___ 3
Nature or Marine Reserve ___4
Other designation of natural importance___5
Bathing water X 6

A 7   Is access to your coastal unit:

Easy by foot/vehicle X 1 Difficult or normally ___ 2 Tick, if access is prohibited___ 3
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

Tillage farming incl. horticulture___ 2

Scrub or rough grazing ___ 3

Dunes ___ 4

Park/woodland/forest ___ 5

Wetland (bog, marsh, lagoon) X 6

Rock/sand X 7

Village or residential ___ 8

Tourist resort ___ 9

Waste tip ___ 10

Industry, port industry, power station ___11

Transport: road, train port, marinas ___12

Construction site ___ 13

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**
Type of inflow Write **P** = pipe, **S** = Seepage, **OD** = open drain, Storm drain or irrigation canal, **R** = River/stream, lagoon inflow				
Size of inflow: 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: 0

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	Boulders 20 cm X+	Gravel 0.2-20 cm	Sand X	Silt or Mud X	Other (built walls)
1	2	3	4	5	6

C 2 Which of the plants listed did you find in your unit?

Reed bed	Sea Grass	Brown	Green algae		Dislodged	Other
	Zostera	or Red	Patches	Extensive	decaying	
X		Algae	or thin	cover or	algae	
		X	band	thick mats		
1	2	3	4	5	6	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 20 cm

Look carefully bladder wrack plants. Are there growing other alga (hair, filaments). none X   a few ____   many ____
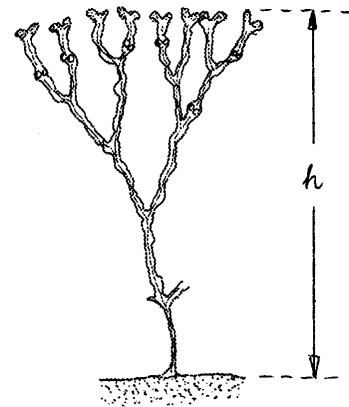
C 4 If you know area well indicate whether there was any visible algal blooms in water this spring or summer

Yes ____ 1   No ____ 2 Don´t know ____ 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	
		L	D	L	D	L	D	L	D	L	D	L	D	L	D
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

How many of each? → | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0

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

3

Blue mussel *Mytilus edulis*

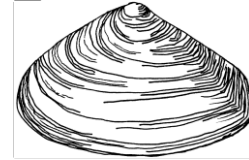☐ none X a few ☐ many
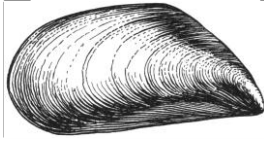
Length 1.5 – 10 cm

Baltic clam *Macoma baltica*

☐ none X a few ☐ many

Triangular shell

Mya arenaria

☐ none X a few ☐ many

Oval, up to 12 cm long

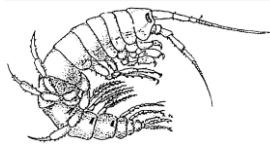Common cockle *Cerastoderma glaucum*

☐ none X a few ☐ many

Heart- shaped, transverse ridges

Gammarus sp.

☐ none ☐ a few X 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   GENEARAL 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 IIII–III

_____I_____ ☐ 1 **Glass bottles (drinks)**

_____ ☐ **Metal drinks containers**

		Plastic drinks containers
		Can holders
_____II_____	2	Paper or lined paper drinks containers
		Tyres (Half a tyre or more = 1)
_____II_____	2	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	
Packing straps	2	
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	
Tar, oil, petrol, diesel	7	
Containers of potentially hazardous substance (chemicals etc.)	8	
Textiles, shoes, gloves, items of clothing	9	
Paper, cardboard, worked wood, vegetable waste	10	
Food, fish waste and bones	11	
Faeces (mammal incl. human)	12	
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 ___ 2
No, recent weather is insignificant X 3   Don't know ___ 4

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

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

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

Yes ___ 1   No X 2   Don't know ___ 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	Beach mining	Construction	Dumping/ tipping	Water pollution	Recreational abuse	Other
1	2	3	4		1 0	11

Sewage	Radioactivity	Oil	Industry	Agriculture or industrial farming
5	6	7	8	9

E 5   Please enter an short comment or observation:
Water level was usual
We saw *Petasites spurius*
We saw *Cygnus olor, Vanellus vanellus,* Motacilla alba, Larus
Many of Fucus vesiculosus in beach, also a lot of Furcellaria