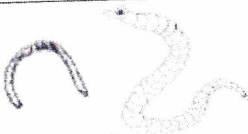



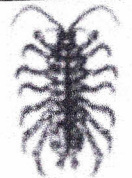

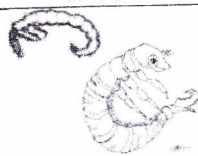




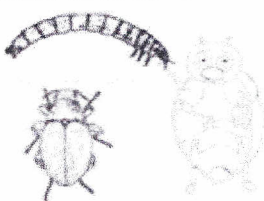
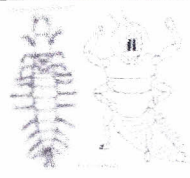


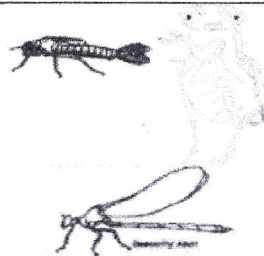


Voluntariado ambiental - Ficha de Campo – Triagem no campo: Identificação e contagem

		Quantos destes encontrastes?			Quantos destes encontrastes?
Minhocas de água (Oligochaeta)		0			
Larvas de sangue vermelho (Chironomidae)		1	Libelinhas (Zygoptera larvas)		1
Larvas de mosquito (Simuliidae)		2	Isópode		0
Diptera (larvas)		0	Tricóptero (larvas)		6
Sanguessuga (Hirudinea)		0	Efemeróptero (larvas)		0
Caracóis		0	Crustáceos de água doce		0 (ore was found)
Escaravelho (Larvas e adultos)		2	Megalóptero (larvas)		0
Bivalves de água doce		0	Plecóptera (larvas)		20
Libélulas (Anisoptera larvas)		0	<p>Organização: <u>Royal Holloway University</u> Coordenador: <u>Dr. Leonor Pereira Portugal</u> Ribeira: <u>Seixe</u> Local / Concelho: <u>Vila Pura / Aljezur</u> GPS Lat: <u>N 37.412953</u> Long: <u>W -8.747316</u> Data: <u>10/06/17</u> Hora início/final: <u>16:00 a 16:45</u></p>		

Voluntariado Ambiental para a Água

Site description form



Administração da
Região Hidrográfica
do Algarve I.P.

River Seixe Municipality Aljezur

Sampling location (annexe map) N37.422089
W12.747352 Date: 10/6/17 Start time: 16:07

Name: Ella Casson Organization: RHUL

Select and circle the weather:



For safety, do not work alone.

Choose a sampling location and at that point analyse the state of the river / stream for about 50 m upstream and about 50 m downstream. Observe carefully and carefully fill in this site description form.

1. Are there signs of human activity in the area around the water course? (within ± 50 m of the bank)

The left bank (LB) and the right bank (RB) are in the direction of the current (see the explanatory leaflet).

	RB	LB		RB	LB		RB	LB		RB	LB
Tourism			Agriculture	<input checked="" type="checkbox"/>		Forestry*			Buildings		
Golf			Grazing	<input checked="" type="checkbox"/>		Industry			Roads	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Camping			Livestock	<input checked="" type="checkbox"/>		WTW / WWTW			Other*		

*Describe what you observe (especially if there are eucalyptus trees):

2. Are there buildings or other constructions in the watercourse or in the surrounding area? (within ± 50 m of each bank)

The left bank (LB) and the right bank (RB) are in the direction of the current (see the explanatory leaflet). When necessary also consider the channel (C) (see the explanatory leaflet).

	C		RB	LB		RB	LB		RB	LB
Dam		Wall/channel			Irrigation channel			Buildings		
Weir		Spring			Water mill			Roads	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bridge or pontoon	<input checked="" type="checkbox"/>	Borehole/shallow well			Pipes			Other*		

*Describe what you observe:

3. Condition of the water

3.1) Flow (see figure in explanatory leaflet):

Without water (dry)	<input type="checkbox"/>
No detectable flow	<input type="checkbox"/>
Laminar flow (smooth)	<input checked="" type="checkbox"/>
Turbulent flow	<input type="checkbox"/>

3.2) Odour of the water:

Odourless	<input checked="" type="checkbox"/>
Pleasant smell	<input type="checkbox"/>
Fishy or muddy smell	<input type="checkbox"/>
Sewage smell	<input type="checkbox"/>
Other*	<input type="checkbox"/>

*Describe what you smell:

3.3) Turbidity:

Clear water (transparent)	<input checked="" type="checkbox"/>
Brownish water (some turbidity)	<input type="checkbox"/>
Dark coloured water (very turbid)	<input type="checkbox"/>
Other*	<input type="checkbox"/>

*Describe what you observe:

3.4) Presence of pollutants:

Foam	<input type="checkbox"/>
Sewage	<input type="checkbox"/>
Plastic, glass or metal materials	<input type="checkbox"/>
Oil patches or slicks	<input type="checkbox"/>
Other*	<input type="checkbox"/>

*Describe what you observe: N/A

3.5) Presence of nutrients/eutrophication

Clear water with aquatic plants	<input type="checkbox"/>
Green water with microalgae	<input type="checkbox"/>
Very green water with microalgae	<input type="checkbox"/>
Green to brown water with an unpleasant surface layer of algae.	<input type="checkbox"/>
Other*	<input checked="" type="checkbox"/>

* Describe what you observe

Clear water, no plants

3.6) pH of the water (optional)

pH < 6	<input type="checkbox"/>
pH > 6 & < 8	<input type="checkbox"/>
pH > 8	<input type="checkbox"/>

Collect a sample of stream water in a beaker, dip pH indicator paper in the water. Compare the result with the scale on the packet. You may also measure other characteristics like water temperature, dissolved oxygen, conductivity and hardness.

For help in filling in this form, consult the explanatory leaflet.

Voluntariado Ambiental para a Água

Site description form

4. Condition of the river/stream

The left bank (LB) and the right bank (RB) are in the direction of the current (see the explanatory leaflet). When necessary also consider the channel (C) (see the explanatory leaflet).

4.1) Degree of artificialization:

	RB	LB
Natural water course	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Some signs of alteration	<input type="checkbox"/>	<input type="checkbox"/>
Altered water course	<input type="checkbox"/>	<input type="checkbox"/>
Other*	<input type="checkbox"/>	<input type="checkbox"/>

*Describe what you observe:

4.2) Bank profile:

	RB	LB
Vertical	<input type="checkbox"/>	<input type="checkbox"/>
Sloping (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input type="checkbox"/>	<input type="checkbox"/>
Mixed	<input type="checkbox"/>	<input type="checkbox"/>

4.3) Types of substrate in the channel and on the banks (see the explanatory leaflet):

	RB	C	LB		RB	C	LB
Bare rock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Gravel or sand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blocks (large rocks)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Earth *(with vegetable matter)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Large stones	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Clay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stones or cobbles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial (concrete, masonry, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* Only complete for the banksides

4.4) Erosion and deposition (see the explanatory leaflet):

	RB	C*	LB
Erosion zones (bank cutting)			
			<input checked="" type="checkbox"/>
			<input type="checkbox"/>
Sediment deposition zones (banks)			
			<input type="checkbox"/>
	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

* Only complete for banks in the streambed.

5. Vegetation on the banksides

The left bank (LB) and the right bank (RB) are in the direction of the current (see the explanatory leaflet). When necessary also consider the channel (C) (see the explanatory leaflet).

5.1) Presence of trees:

	RB	LB	5.2) Other observations:	Y/N
Continuous or closed tree cover	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading	<input checked="" type="checkbox"/>
Semi-continuous or spaced out tree cover	<input type="checkbox"/>	<input type="checkbox"/>	Exposed roots	<input checked="" type="checkbox"/>
Isolated trees	<input type="checkbox"/>	<input type="checkbox"/>	Submerged roots	<input checked="" type="checkbox"/>
Bushes	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>
Undergrowth	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Large deposits of woody material	<input checked="" type="checkbox"/>

5.3) Invasive or exotic vegetation:

	RB	LB	5.4) Native vegetation:	RB	LB
Cane (<i>Arundo donax</i>)	<input type="checkbox"/>	<input type="checkbox"/>	Oleander (<i>Nerium oleander</i>)	<input type="checkbox"/>	<input type="checkbox"/>
Eucalyptus (<i>Eucalyptus spp.</i>)	<input type="checkbox"/>	<input type="checkbox"/>	Willow (<i>Salix alba</i>)	<input type="checkbox"/>	<input type="checkbox"/>
Acacias (<i>Acacia spp.</i>)	<input type="checkbox"/>	<input type="checkbox"/>	White poplar (<i>Populus alba</i>)	<input type="checkbox"/>	<input type="checkbox"/>
Hottentot-fig (<i>Carpobrotus edulis</i>)	<input type="checkbox"/>	<input type="checkbox"/>	Lesser bulrush (<i>Typha angustifolia</i>)	<input type="checkbox"/>	<input type="checkbox"/>
Castor-oil-plant (<i>Ricinus communis</i>)	<input type="checkbox"/>	<input type="checkbox"/>	Narrow-leaved ash (<i>Fraxinus angustifolia</i>)	<input type="checkbox"/>	<input type="checkbox"/>
Other*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tamarix (<i>Tamarix africana</i>)	<input type="checkbox"/>	<input type="checkbox"/>

*Describe your observations:

Alder more dominant Broken

6. Fauna observed (see figures in the explanatory leaflet)

Mammals	<input type="checkbox"/>	Fish	<input type="checkbox"/>
Birds	<input checked="" type="checkbox"/>	Insects (including larvae)	<input checked="" type="checkbox"/>
Reptiles	<input type="checkbox"/>	Molluscs	<input checked="" type="checkbox"/>
Amphibians	<input type="checkbox"/>	Signs of animals (footprints, scat & other)	<input type="checkbox"/>

Try to identify the fauna observed.

In your opinion the natural, environmental and ecological quality of the river is (circle one answer):

Bad Poor Reasonable Good Excellent

For help in filling in this form, consult the explanatory leaflet.

Muscovy duck
W. grebe
in pairs
hyperagressive
towards
other ducks