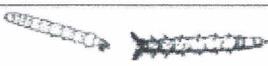
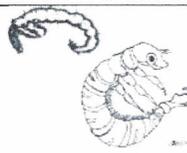
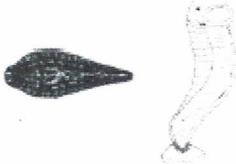
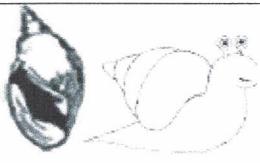
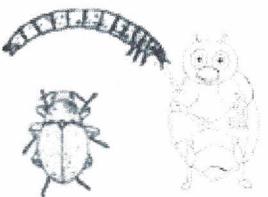
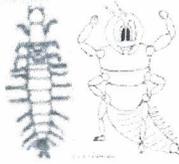
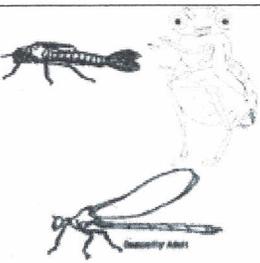


Voluntariado ambiental - Ficha de Campo – Triagem no campo: Identificação e contagem

		Quantos destes encontrastes?			Quantos destes encontrastes?
Minhocas de água (Oligochaeta)		0			
Larvas de sangue vermelho (Chironomidae)		2	Libelinhas (Zygoptera larvas)		0
Larvas de mosquito (Simuliidae)		0	Isópode		0
Diptera (larvas)		0	Tricóptero (larvas)		1
Sanguessuga (Hirudinea)		0	Efemeróptero (larvas)		2
Caracóis		1	Crustáceos de água doce		0
Escaravelho (Larvas e adultos)		12	Megalóptero (larvas)		0
Bivalves de água doce		0	Plecóptera (larvas)		2
Libélulas (Anisoptera larvas)		1	Organização: <u>A NOSSA TERRA</u> Coordenador: <u>SRATEM</u> Ribeira: <u>SETE</u> Local / Concelho: <u>Zambujão de Baixo / Aljezur</u> GPS Lat: N <u>37,392416</u> Long: W <u>-8,722589</u> Data: <u>10/6/17</u> Hora início/final: <u>17:00/17:30</u>		

Voluntariado Ambiental para a Água

Site description form



Administração da Região Hidrográfica do Algarve I.P.

River Seixe Municipality Aljezur

Sampling location (annexe map) Ambizeira de Baixo Date: 10/6/17 Start time: 5 PM

Name: Al Molly Corbett Organization: Royal Holloway university

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Forestry*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Buildings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Golf	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Grazing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Industry	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Roads	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Camping	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Livestock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	WTW / WWTW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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	<input checked="" type="checkbox"/>	Wall/channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Irrigation channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Buildings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Weir	<input checked="" type="checkbox"/>	Spring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Water mill	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Roads	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bridge or pontoon	<input checked="" type="checkbox"/>	Borehole/shallow well	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pipes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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 checked="" type="checkbox"/>
Sewage	<input checked="" type="checkbox"/>
Plastic, glass or metal materials	<input checked="" type="checkbox"/>
Oil patches or slicks	<input checked="" type="checkbox"/>
Other*	<input checked="" type="checkbox"/>

*Describe what you observe:

3.5) Presence of nutrients/eutrophication

Clear water with aquatic plants	<input checked="" 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 type="checkbox"/>

* Describe what you observe

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.

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 type="checkbox"/>	<input type="checkbox"/>
Gentle	<input type="checkbox"/>	<input type="checkbox"/>
Mixed	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Large stones	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Clay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Stones or cobbles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial (concrete, masonry, etc.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	Bankside being eroded	<input checked="" type="checkbox"/>
			Stabilized bank (bank already suffered erosion)	<input checked="" type="checkbox"/>
Sediment deposition zones (banks)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Banksides without vegetation	<input checked="" type="checkbox"/>
			Banksides with vegetation	<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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed roots	<input checked="" type="checkbox"/>
Isolated trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Submerged roots	<input checked="" type="checkbox"/>
Bushes	<input checked="" type="checkbox"/>	<input checked="" 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>Acácia 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 type="checkbox"/>	<input type="checkbox"/>	Tamarix (<i>Tamarix africana</i>)	<input type="checkbox"/>	<input type="checkbox"/>

*Describe your observations:

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

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