



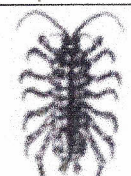


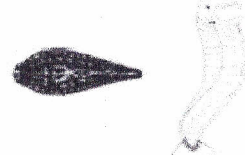



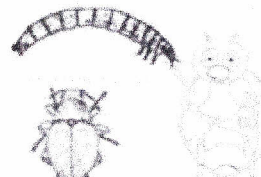
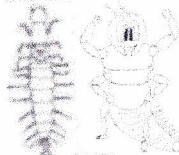
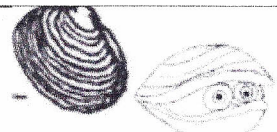
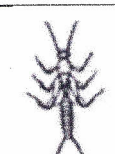
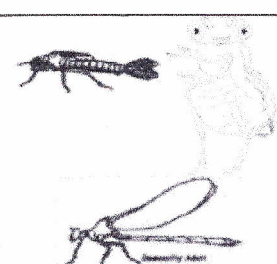


Voluntariado ambiental - Ficha de Campo – Triagem no campo: Identificação e contagem

		Quantos destes encontrastes?			Quantos destes encontrastes?
Minhocas de água (Oligochaeta)		40			
Larvas de sangue vermelho (Chironomidae)			Libelinhas (Zygoptera larvas)		
Larvas de mosquito (Simuliidae)			Isópode		
Diptera (larvas)			Tricóptero (larvas)		
Sanguessuga (Hirudinea)			Efemeróptero (larvas)		1
Caracóis		1	Crustáceos de água doce		
Escaravelho (Larvas e adultos)			Megalóptero (larvas)		
Bivalves de água doce			Plecóptera (larvas)		7
Libélulas (Anisoptera larvas)			<p>Organização: <u>Royal Holloway</u></p> <p>Coordenador: _____</p> <p>Ribeira: <u>ALJEZUR, CANTES (B.P.106)</u></p> <p>Local / Concelho: <u>ALJEZUR</u> / <u>ALJEZUR</u></p> <p>GPS Lat: N <u>37.316920</u> Long: W <u>-8.803314</u></p> <p>Data: <u>10.6.17</u> Hora início/final: <u>1525</u> / <u>1630</u></p>		

Voluntariado Ambiental para a Água

Site description form



Administração da
Região Hidrográfica
do Algarve I.P.

River _____ Municipality _____

Sampling location (annexe map) city Date: _____ Start time: 15:25

Name: ALJZUR CENTRE (BRIDGE) Organization: _____

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	No	No	Agriculture	Yes	Yes	Forestry*	No	No	Buildings	No	No
Golf	No	No	Grazing	Yes	Yes	Industry	No	No	Roads	Yes	No
Camping	No	No	Livestock	Yes	Yes	WTW / WWTW	No	No	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	No	Wall/channel	No	No	Irrigation channel	No	No	Buildings	No	No
Weir	No	Spring	No	No	Water mill	No	No	Roads	Yes	No
Bridge or pontoon	No	Borehole/shallow well	No	No	Pipes	No	No	Other*	No	No

*Describe what you observe:

3. Condition of the water

3.1) Flow (see figure in explanatory leaflet):

Without water (dry)	
No detectable flow	
Laminar flow (smooth)	
Turbulent flow	

Smooth, slow flow 46.27 seconds per m.

3.2) Odour of the water:

Odourless	Yes
Pleasant smell	
Fishy or muddy smell	
Sewage smell	
Other*	

*Describe what you smell:

3.3) Turbidity:

Clear water (transparent)	Yes
Brownish water (some turbidity)	
Dark coloured water (very turbid)	
Other*	

*Describe what you observe:

3.4) Presence of pollutants:

Foam	
Sewage	
Plastic, glass or metal materials	Yes
Oil patches or slicks	
Other*	

*Describe what you observe:

3.5) Presence of nutrients/eutrophication

Clear water with aquatic plants	
Green water with microalgae	
Very green water with microalgae	
Green to brown water with an unpleasant surface layer of algae.	
Other*	

* Describe what you observe

No plants growing in river

3.6) pH of the water (optional)

pH < 6	
pH > 6 & < 8	
pH > 8	

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



Administração da
Região Hidrográfica
do Algarve I.P.

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	Yes	Yes
Some signs of alteration	No	No
Altered water course	No	No
Other*		

*Describe what you observe:

4.2) Bank profile:

	RB	LB
Vertical		
Sloping (> 45°)	✓	✓
Gentle		
Mixed		

RB: Vertical
LB: Vertical

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

	RB	C	LB		RB	C	LB
Bare rock	No	No	No	Gravel or sand	No	No	No
Blocks (large rocks)	No	No	No	Earth *(with vegetable matter)	Yes	No	Yes
Large stones	No	No	No	Clay	No	No	No
Stones or cobbles	No	No	No	Artificial (concrete, masonry, etc.)	No	No	No

* Only complete for the banksides

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

	RB	C*	LB
Erosion zones (bank cutting)			
Bankside being eroded	No	No	No
Stabilized bank (bank already suffered erosion)	No	No	No
Sediment deposition zones (banks)			
Banksides without vegetation	No	No	No
Banksides with vegetation	Yes	No	Yes

* 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	Yes	Yes	Shading	Y
Semi-continuous or spaced out tree cover	Yes	Yes	Exposed roots	Y
Isolated trees	No	No	Submerged roots	Y
Bushes	No	No	Fallen trees	Y
Undergrowth	Yes	Yes	Large deposits of woody material	Y

5.3) Invasive or exotic vegetation:	RB	LB	5.4) Native vegetation:	RB	LB
Cane (<i>Arundo donax</i>)			Oleander (<i>Nerium oleander</i>)		
Eucalyptus (<i>Eucalyptus spp.</i>)	No	No	Willow (<i>Salix alba</i>)		
Acacias (<i>Acácia spp.</i>)			White poplar (<i>Populus alba</i>)		
Hottentot-fig (<i>Carpobrotus edulis</i>)	No	No	Lesser bulrush (<i>Typha angustifolia</i>)		
Castor-oil-plant (<i>Ricinus communis</i>)	No	No	Narrow-leaved ash (<i>Fraxinus angustifolia</i>)		
Other*			Tamarix (<i>Tamarix africana</i>)		

*Describe your observations:

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

Mammals	N	Fish	Y
Birds	N	Insects (including larvae)	Y
Reptiles	N	Molluscs	Y
Amphibians	N	Signs of animals (footprints, scat & other)	Y

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

No suggestions really. Looking in species diversity. Red-claw crayfish present

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