

Crystal Clear Ebble River Session

Your name:

Date:

River name:

Chalk characteristics:

What makes this river special?

River Field Sketch: include these geographical labels in your sketch, what else can you see?

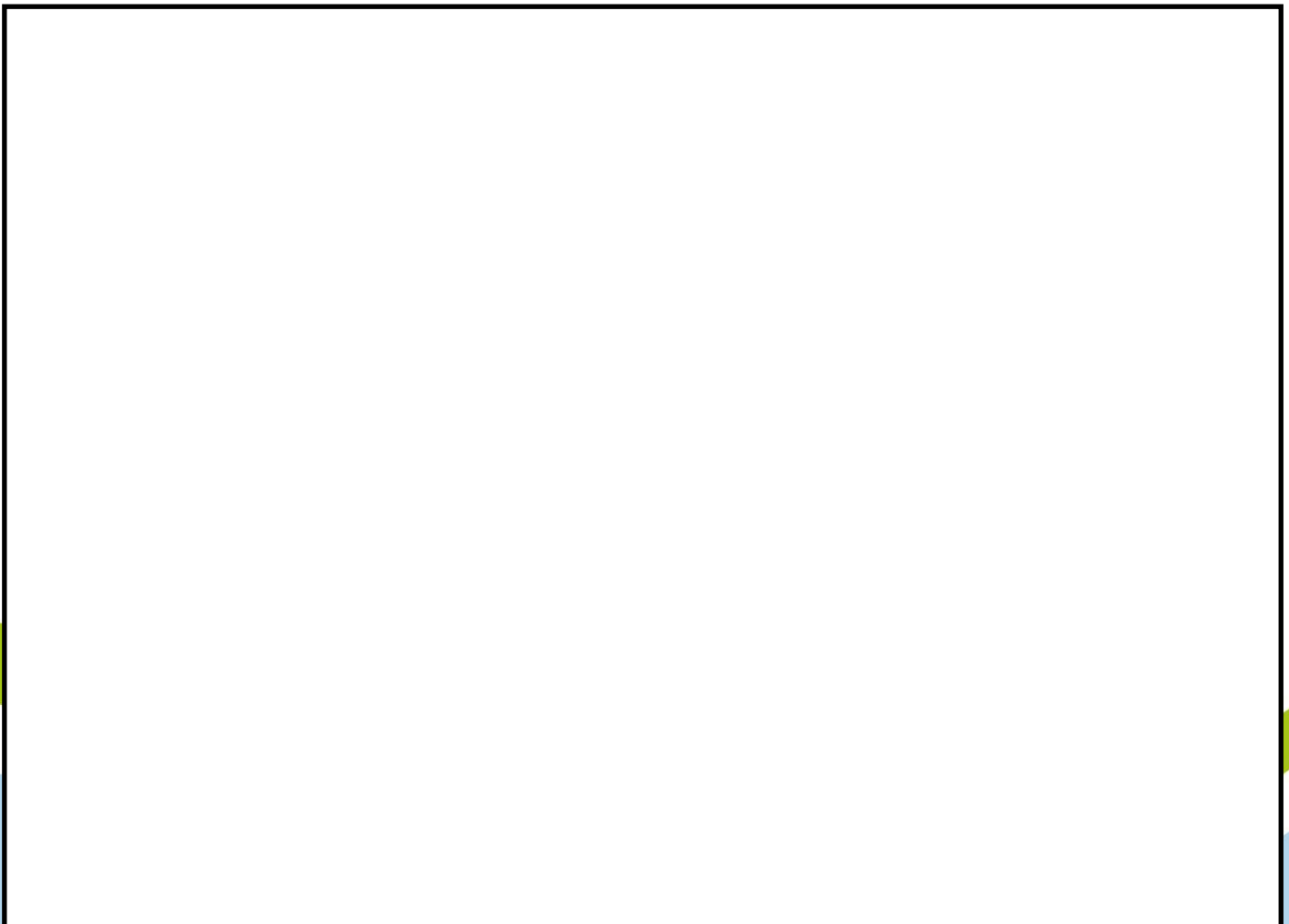
Downstream

Vegetation

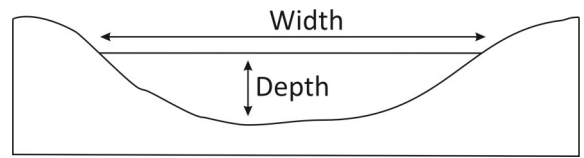
Direction of flow

Upstream

Natural bank



Stream Measurements



Cross Section

Width (cm)											
Depth (cm)											

<u>Total width of channel (m)</u>			
Sampling point	A (near bank)	B (midpoint)	C (far bank)
<u>Water flow speed</u> <i>Method: mark out a 10m long length of river and record (in seconds) how long it takes a piece of grass / leaf / stick to move from one end of the section to the other. Repeat 2 or 3 times at each sample point</i>			
<u>Average time taken (seconds)</u>			
<u>Velocity (speed) of river (m/s)</u> <i>Method: 10(m) divided by the average length of time (s) for your object to get from one end of the river section to the other</i>			
<u>Flow velocity - flow meter (m/s)</u>			

River life - what did you find?

Group	Number	Group	Number	Group	Number
Caddisfly larvae		Freshwater shrimp		Kingfisher	
Mayfly nymph		Freshwater hoglouse		Mallard	
Stonefly nymph		Mollusc (snail or bivalve)		Heron	
Demoiselle nymph		Water beetle		Moorhen	
Damselfly nymph		Bullhead		Grey wagtail	
Worm		Stickleback		Gull	
Leech		Brook lamprey			
Fly larva					