

Haltwhistle Burn PhD Project Understanding Your Monitoring Preferences and Capabilities



Do you want to be part of an innovative and pioneering research project that is directly related to contemporary issues and could change the way we monitor and manage our catchments across the UK?
Do you want to understand and care for your local water environment?
Are you interested in becoming a citizen scientist*?

*A citizen scientist can be someone (in this case a member of a local community) who helps scientists and engineers to carry out research by collecting and sharing data about a natural phenomenon

This project is encouraging the local community to connect with their local catchment by carrying out simple yet low-cost and innovative monitoring techniques. If you would like to take part in monitoring the water environment within the Haltwhistle Burn catchment then it would be extremely useful to understand what you might like to monitor, where you are able to monitor and when / how often you are willing to do this. By providing this information we can tailor monitoring plans around you and your preferences. A few questions are provided below in order to understand your monitoring preferences and capabilities. If you are **interested at this stage** in taking part in any monitoring activity then please fill out the form below. Contact details are simply required to keep track of preferences. By filling in this form you are not committed to anything – it will only be used to get an idea of what you might like to do.

Please ensure you have signed the data consent section (at the end) and return any completed forms or direct queries to: Eleanor Starkey By email: eleanor.starkey@ncl.ac.uk

By Post: School of Civil Engineering and Geosciences, PGR Centre (Room G.o3), Cassie Building, Newcastle University, Newcastle upon Tyne, NE17RU River Watch Meeting: Bring to the next River Watch meeting (printed forms will be available if you need one during this event)

Thank you!









Understanding your monitoring preferences and capabilities								
Name:			Telephone / Mobile number:					
Address:			Role / Organisation / Group:					
Email:			Reason(s) for wanting to take part:					
1. \	What catchment issue(s) or parameter(s) would	A) Daily rainfall		Please tick				
you be interested in monitoring?		Using a manual land within the						
	This might be something that you are interested in, directly affected by or perhaps you would like to learn more about it;	 B) Description of the weather and impacts Using a 'weather story' book, Twitter, or choose from a pre-define list of answers 						
>	Remember that all monitoring techniques will be simple to perform, you will be provided with the	C) River level (depth By reading river photograph	er level gauge boards, measuring using a ruler or by taking a					
		D) River flow (speed By taking a vide) leo or using a simple float over a specified distance					
		E) Flood events and						
F) Mo		F) Morphological (landform) change For example take note of river bank erosion, collapse or sediment build-up by taking photographs and providing descriptions.						
		G) South Tyne grave Provide an ind	I bars ication of change using a reference point or photograph					
H) Blocks								
		I) Turbidity (water o						



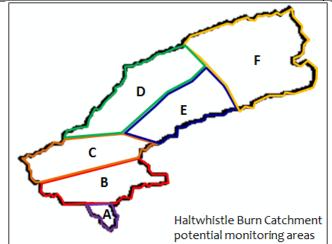




inspection and compare against a chart			
J) Water colour			
Visual inspection and compare against a colour chart for an indication of			
water quality (e.g. green for excessive algal growth)			
K) Water temperature			
Using a thermometer or temperature strips	Ш		
L) Water chemistry (pH, nitrate, phosphorus and/or dissolved oxygen levels)			
Take a water sample and dip in a test strip e.g. pH strip	Ш		
M) Fish species count			
Electrofishing activities led by Tyne Rivers Trust	Ш		
N) Invertebrate (bug) and river habitat surveys			
Activities led by Tyne Rivers Trust			
O) Look out for native and invasive species			
Visual inspection (e.g. Japanese knotweed)			
P) Monitor the performance of natural runoff management features			
Take photographs at fixed points and provide descriptions.			

2. Where in the catchment would you be willing to walk / travel to for monitoring purposes?

- Think about where you live and whether you could tie any monitoring activities in with any regular journeys or walks you would normally take? For example do you take a specific and regular route to work, a school run or walk with your dog? Does your property overlook a watercourse within the catchment?
- Most monitoring locations are likely to be along the watercourses (except for example, rainfall and weather monitoring which can fall outside the Haltwhistle Burn Catchment boundary);









>	Take a look at the Haltwhistle Burn catchment (to the right). Which area(s) would you be willing to monitor? A more detailed map of the catchment can be found at the end of this document.	Any Area	Area C \square		Area E □ Area F □
3. Would you be willing to go out in the catchment when for example, it is					
raining to collect data during 'extreme events'?					
>	We can point you towards weather forecasts and warnings to keep you informed;				
>	You could join up with other members of the community to do this;	Yes 🗆		No □	
	Remember that extreme events do not usually occur as often and				
	because of this any data collected helps us to understand how the				
	catchment behaves during these events (for example during potential				
	flood events).				
4. When would you prefer to monitor?		Morning 🗆		Evening \square	
	Again was sould tip this in with wage law is weare an walks which was				
	Again you could tie this in with regular journeys or walks which you take.	Afternoon \square		Any / all	
5. Typically how often would you be able to monitor?		More than once a day \square		Seasonal	
		Once a day \Box		Annual \square	
	Some parameters are extremely variable such as rainfall, river level and	Weekly \square			f activity \square
	river flow. These parameters are usually monitored on a more frequent	Monthly \square			ase state) \square
	basis to capture any changes.	•			
6. How would you prefer to submit your data?		Daily / weekly using the Haltwhistle Burn website \Box			
	If you do not have a computer, smart phone, tablet or internet connection, you could arrange for another member of the group to submit your data;	Daily or real-time using Twitter \square			
		Real time using an Android app			
		Email your data			
	222, 22 22.2,	On paper and then post \square			





For more info visit website:
http://research.ncl.ac.uk/haltwhistleburn/
Twitter: @HaltwhistleBurn



If you have never used a particular method then please remember that full guidance will be provided to help you get started should you wish to try something new;	On paper and share during River Watch / community meetings \Box					
An Android smartphone or tablet is required to use the app. If you do not have one of these devices then we may be able to purchase a few tablets for use across the catchment for monitoring purposes.						
7. Do you have any children, relatives or friends who may be interested in monitoring the catchment?	Yes 🗆	No 🗆				
All age groups are welcome to take part and monitor as often or as little as they want.	If 'yes', please provide details:					
The success of the project is dependent on public awareness. Please spread the word to family, friends and neighbours!						
Do you have any comments / suggestions?						
Data consent						
I am aware that, by filling in and submitting this survey, I am partic		I agree □				
carried out at Newcastle University. I acknowledge that any data o provide will be treated with full confidentiality and that, if published	Date:					
research team, will not be identifiable as mine.	Signature:					

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