



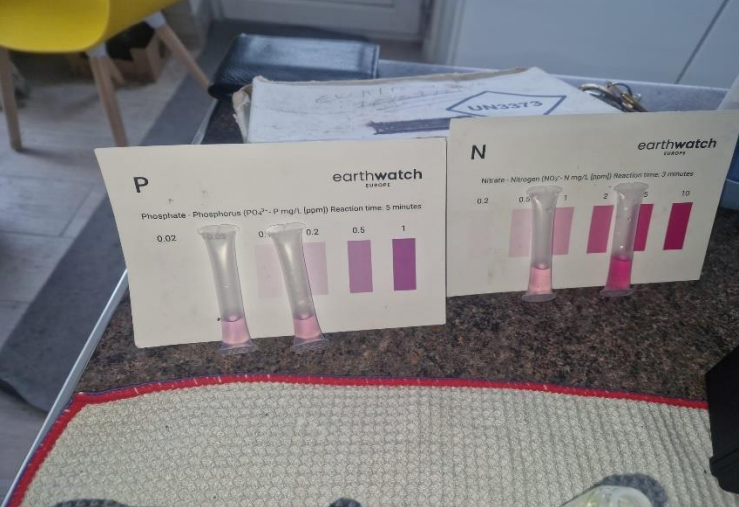
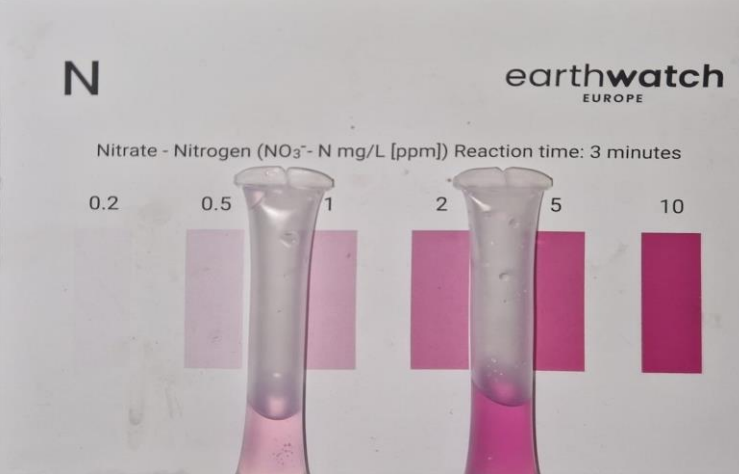
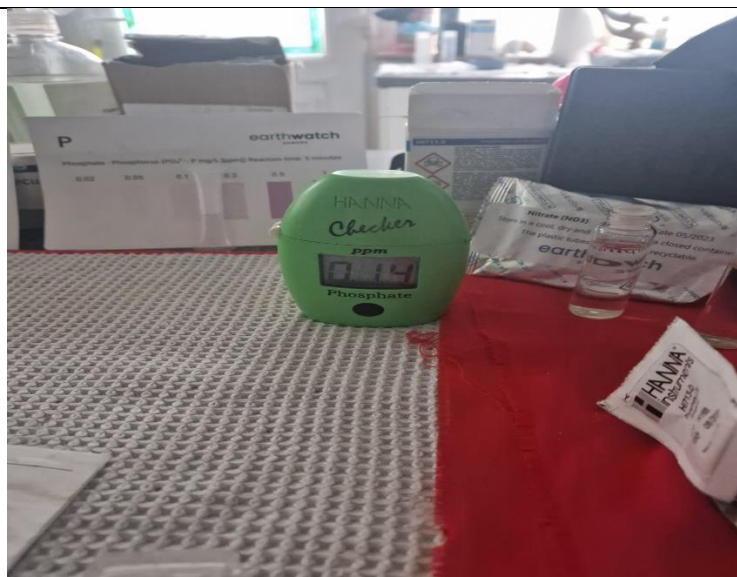
 <p><b>Freshwater Ballycumber Brosna</b> Ballycumber, Co. Offaly, Ireland</p>
<p><b>Welcome to the team:</b> We held our kick start meeting on Monday the 4<sup>th</sup> of April 2023 to discuss the action plan for the funding being sought for the local Brosna.</p> <p>The aim of this project is to obtain funding to monitor a particular stream flowing into the Brosna where there is an obvious influx of pollution. We would also like to monitor the river in general for nitrogen and phosphorus. After monitoring we would like to hold a community awareness evening with refreshments.</p>	
<p>This is the area of concern.</p> 	

<p>Our local LAWPRO (local area water protection officer) completed a turbidity test, and the result of the test was quiet poor as shown</p>	
<p>This was the result of the phosphorus and nitrogen samples taken from the stream on entry to the Brosna.</p> <p>The vials on the Right-Hand Side of the photo are the results of his test in comparison to a good quality sample taken from another river on the Left-Hand side.</p>	
<p>As above:</p> <p>Nitrogen levels elevated at that entry spot.</p>	

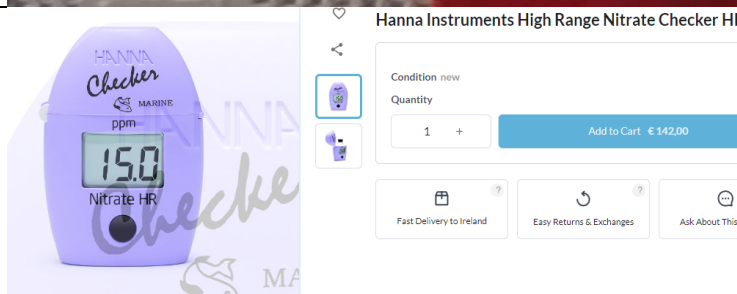


With the funding we would like to purchase the following equipment to enable us to monitor the nitrogen and phosphate levels on the Brosna and in particular the stream flowing into the Brosna. We would like to identify the source of the pollution and put a plan in place to stop the high levels of nitrogen and phosphorus from entering the Brosna.



### Digital nitrate checker.

We will monitor various spots on the Brosna and in particular monitor the polluted stream entering the Brosna ever 3 to 4 weeks and build up a profile of results.



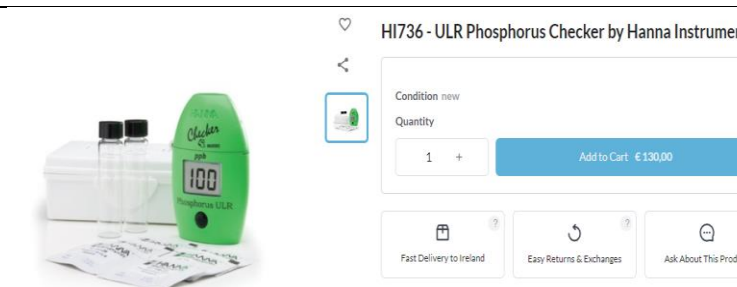
### Digital Phosphorus checker.

We will monitor various spots on the Brosna and in particular monitor the polluted stream entering the Brosna ever 3 to 4 weeks and build up a profile of results.

The project will begin as soon as we can purchase the digital testing equipment and any other kit required. We will get advice from the LAWPO officer Cathal Flood on how to use the equipment.

The aim is to gather evidence of the level of pollution seeping into the river.

Any left-over funding will be used for a community engagement evening where we will provide refreshment and present our findings to the local community. We feel this will have such a positive effect on the quality of the



## ChangeX Action Plan

water in the local river and create a better awareness in the community as to the current state of the quality of the water and what we can do to improve the situation.

We have a dedicated group of 6 people willing to help and it is a vital piece of funding.