

Freshwater Ballycumber Brosna



This area above is an area where cattle are feeding in the river and there were barriers thrown in the river.



On Sunday the 24th of June the group organised a clean up of the river as there were a lot of fallen trees and branches in the river that needed to be removed.



Before view from the bridge



One of the fallen trees- More before pics below



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Volunteers cleaning up the river and bank



After picture such an improvement



Meanwhile on the bank volunteers gather to clean up the river walk.



Volunteers trim back the shrubbery to go into the composter



Megan and Billy with the rake and brush getting ready to clean up. More volunteers



Ronan gathering up the bushes. Boys feeding the composter.



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After some hard work the group was able to
to the funding provided by the ChangeX team



provide refreshment to the volunteers all thanks



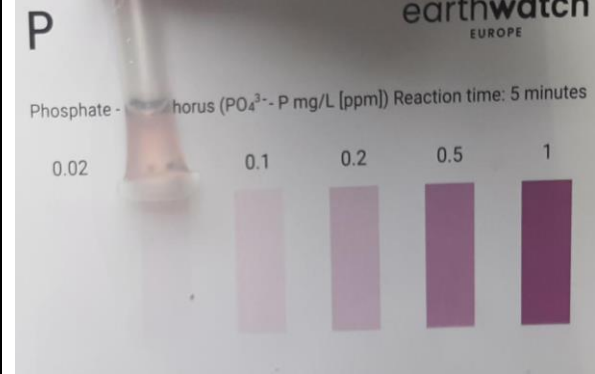
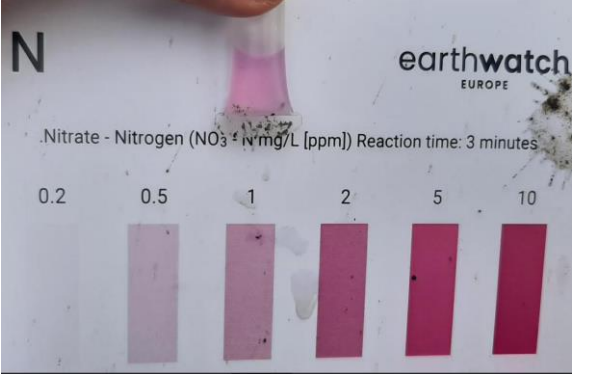

After refreshments we were joined by Cathal Flood the local areas water protection officer from LAWPRO to conduct nitrogen and phosphorus testing with the kits that were provided by Earthwatch Europe.



We also did turbidity testing with the tubes provided by them also. Cathal brought along ammonia testing test so we could test the ammonia levels at a particularly bad spot.



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 <p>P Phosphate - Phosphorus (PO_4^{3-} - P mg/L [ppm]) Reaction time: 5 minutes 0.02 0.1 0.2 0.5 1</p>	 <p>N Nitrate - Nitrogen (NO_3^- - N mg/L [ppm]) Reaction time: 3 minutes 0.2 0.5 1 2 5 10</p>
<p>We tested 3 spots along the river and the testing was carried out by the kids who joined us on the day.</p>	<p>I will upload the results when I have put the results into the ArcGIS123 App for Earthwatch Europe.</p>
<p>The plan going forward</p>	
<p>Train the Trainer (Virtual training) on the 29th of June with Leanne from Earthwatch Europe</p>	<p>I (Emer Doherty) will be attending online training this Thursday for the group</p>
<p>After this training myself, Eddie and Cathal Flood will be organising a citizen science day at the river where we will be conducting kick sampling with the local people and kids.</p> <p>We plan to use some of the remaining funding to fund this day.</p> <p>We will be actively promoting the day</p> <p>Cathal will be bringing along some of his colleagues to help on the day.</p>	
	<p>Kick sampling example</p>

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We also plan to use a portion of the funding to provide some nesting for ducks along the river. We have had no aquatic birds nesting in the river area for a long time. Occasionally aquatic birds have been seen in the area but don't nest here.



An example of the nesting that we will be sourcing.