

Glas-na-Bradán Conservation Association

Tackling Barriers with Citizen Science

Northeastern River Basin District

Mosley Mill, Newtown abbey

16th November 2016

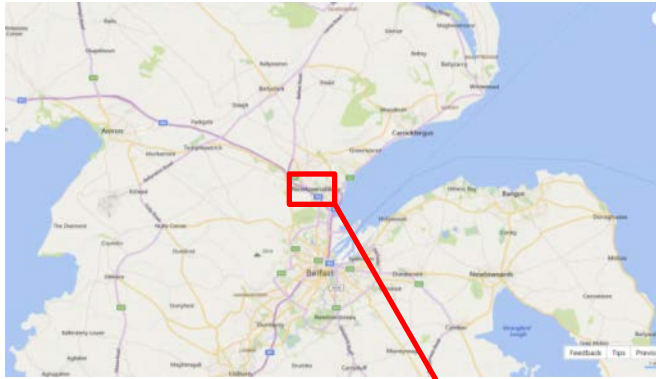


Citizen Science-Why?

- In an ideal world, environmental scientists and engineers would like to know
 -everything
 - ...about everywhere
 - ...all of the time.
- This is clearly impossible, so we must make do with less.
- The more relevant information we have, the more confidence we can place in our decisions.
- Citizen science using reliable data helps us do this.



Glasnabradan – Proof of Concept



Map of the Glas-na-bradan River circa 1835.



Map of the Current Course of Glas-na-Bradán River, Newtownabbey, Co. Antrim



Belfast
Lough

Feedback Tips Pre

© 2016 HERE

Glasnabradan Conservation Association

Who?

Independent community-based group who wish to make the Glasabradan River a source of community pride by improving environmental quality and awareness.

How?

Collaborative effort with NIEA in which we share data in a joint effort to better understand how pollution occurs, its impact and the best means to tackle it.

Taking a multidisciplinary approach:
Community involvement and Science

- Water Quality
- Hydrology & Civil Engineering
- Ecological monitoring
- Geographical Information Systems (GIS)



Anything worth preserving?

Site Location	Coordinates	Trout Lengths (mm)
Merville (D/S)	34893 80744	0
Merville (U/S)	(not recorded)	193
Leisure Centre (D/S)	31251 81509	0
GAA Club	31222 813676	65, 61, 64, 60, 150, 183



Water Quality and Ecology



Progress since summer 2015

- Identification of key pollution point sources along the river.
-principally misconnects.
- Significant leakage of tap water (distribution loss) discharged to river via pipes.
- Survey results provided to NIEA.
- Source of main disconnects identified and being repaired.
- Proposed monitoring programme will establish longer term influence on river quality and ecology.



We would like to express particular thanks to



Three Mile Water
Conservation & Angling Association



**LIVE
HERE
LOVE
HERE**

NIEA Northern Ireland
Environment
Agency
www.daera-ni.gov.uk



Follow Glasnabradan Conservation Association on.....



www.facebook.com/glasnabradan



....or on Twitter at
@GlasNaBradanaCA

