

Fish in Rivers Factsheet

SERBD

Ballyroan River Catchment

Factsheet: 2017/11

The Ballyroan (or Gloreen) River catchment is located within the South Eastern River Basin District and covers an area of approximately 43km² within the larger River Nore catchment. This river flows in a loop, northwest around Abbeyleix, Co. Laois, before heading south to join the River Nore. The geology of this catchment is composed of limestone, sandstone

and shale, with agriculture being the primary land use. There are also areas of forestry within the upper reaches of the catchment and headwaters.

Two sites were surveyed on the Ballyroan (Gloreen stream) River on the 30th and 31st of July 2017.



The Ballyroan River at Gloreen (site 2).

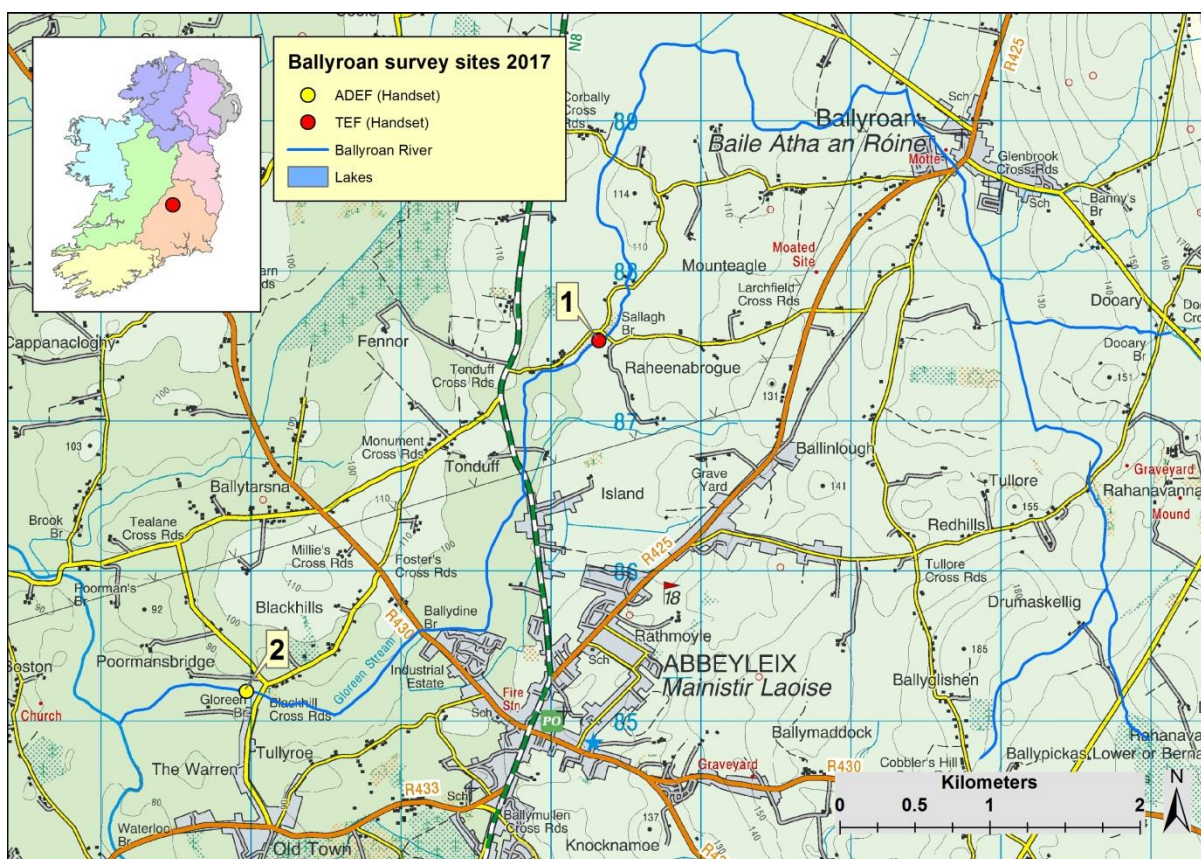


Fig 1. Map of Ballyroan electrofishing survey sites, 2017

Site survey details, Ballyroan River, 2017

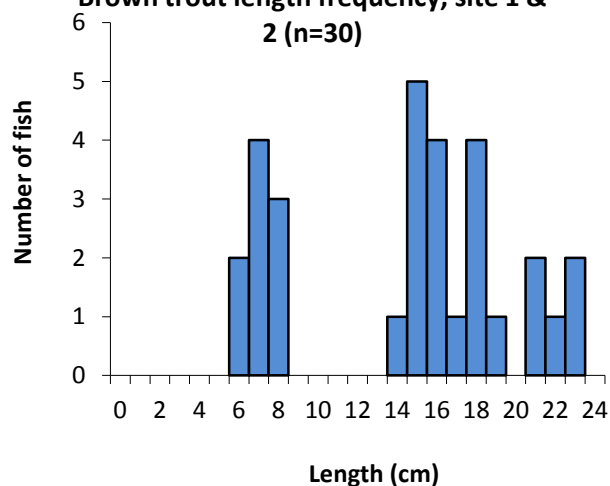
No.	Catchment	Site	Method	WFD	Date
1	Ballyroan	Sallagh Br.	TEF (Handset)	-	31/07/2017
2	Ballyroan	Gloreen	ADEF (Handset)	Yes	30/07/2017

TEF (Ten-minute electrofishing), ADEF (Area delimited electro-fishing)

Minimum density estimate (no. fish/m²)

Site no.	1	2	
Species	2017	2013	2017
Brown trout	0.102	0.257	0.071
0+ brown trout	0.102	-	0.005
1+ & older brown trout	0.000	0.257	0.066
Lamprey sp.	-	0.018	0.005
Salmon	-	0.006	0.033
0+ salmon	-	-	0.033
1+ & older salmon	-	0.006	-
Stone loach	0.015	0.012	-
Three-spined stickleback	0.066	0.361	0.005
All Fish	0.182	0.655	0.115

Brown trout length frequency, site 1 & 2 (n=30)



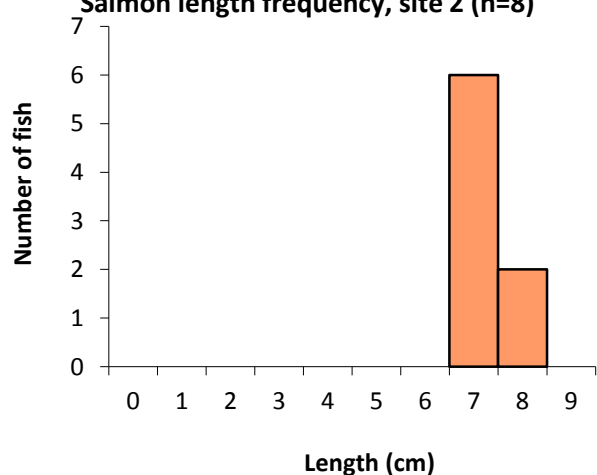
Salmonid age class structure Ballyroan Catchment 2017

Species	Site No.	% of catch		
		0+	1+	2+
Brown trout	1	100	-	-
	2	9	61	30
Salmon	2	100	-	-

Fish ecological status, Ballyroan Catchment

Site No.	2013	2017
1	-	Moderate
2	Moderate	Moderate

Salmon length frequency, site 2 (n=8)



Summary

Five fish species were recorded at two sites surveyed on the Ballyroan River in 2017. Brown trout and three-spined stickleback were the most abundant species captured. Three age classes for brown trout (0+, 1+, and 2+) were encountered. The largest brown trout caught measured 23.5cm. Only one salmon age cohort was captured (0+) at Site 2. This site was also surveyed in 2013, but fewer brown trout were recorded during the most recent survey. Lamprey were recorded at Site 2 in both 2013 and 2017.

The two sites (1&2) surveyed were assigned a fish ecological status of moderate.

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CITATION: Matson, R., Delanty, K., Gordon, P., O'Briain, R., Garland, D., Cierpal, D., Connor, L., Corcoran, W., Coyne, J., McLoone, P., Morrissey-McCaffrey, E., Brett, T., Ní Dhonnabhain, L. and Kelly, F.L., (2018) Sampling Fish in Rivers 2017 –Ballyroan, Factsheet No. 11. National Research Survey Programme. Inland Fisheries Ireland.

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