

Fish in Rivers Factsheet

ERBD

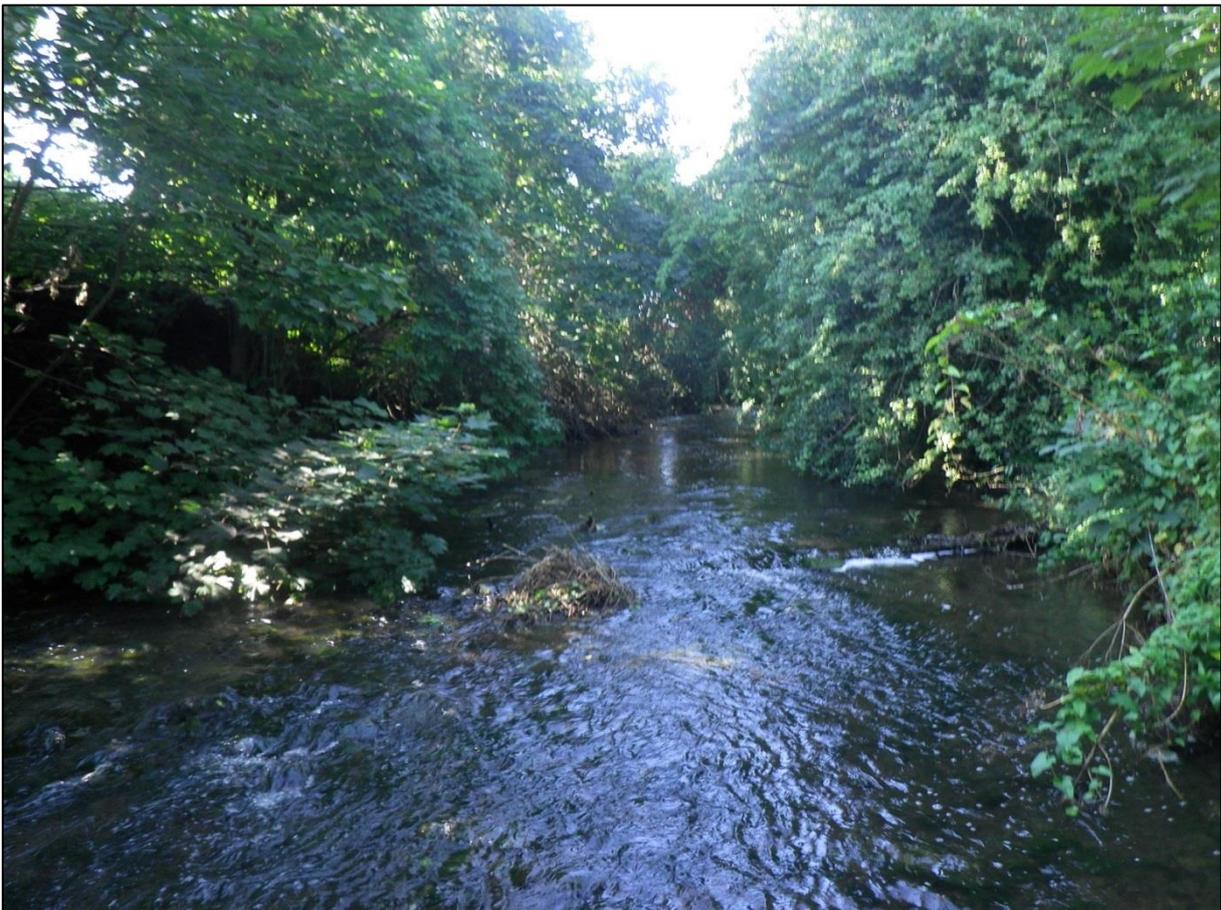
Delvin River Catchment

Factsheet: 2017/6

The Delvin River catchment is located in the Eastern River Basin District and covers an area of approximately 78km². The Delvin River flows in a south westerly direction from Garristown, near the Dublin, Meath border before looping north to join the

sea at Knocknagin, Co. Dublin. The geology is mixed between sandstone, shale and limestone, with the land use primarily for agriculture.

Six sites were surveyed on the Delvin River Catchment on the 17th and 18th of August, 2017.



The Delvin River at Knocknagin (Site 6)



Fig. 1 Map of Delvin Catchment survey sites, 2017

Site survey details, Delvin Catchment, 2017

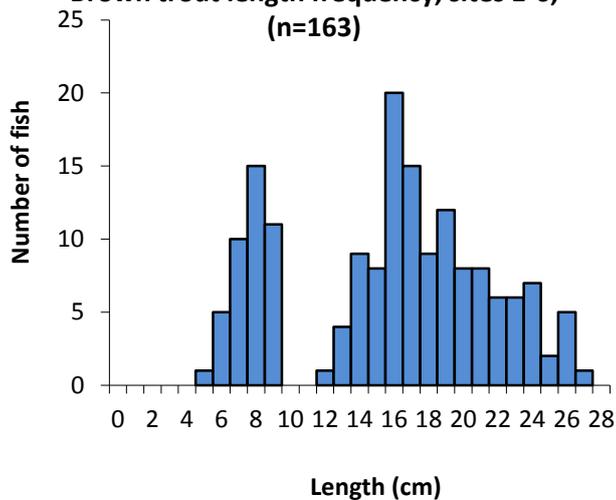
No.	River name	Site	Method	Date
1	Delvin	Old Mill Br.	TEF (Handset)	18/08/2017
2	Delvin	Tobertaskin	TEF (Handset)	18/08/2017
3	Delvin	Stamullin	TEF (Handset)	17/08/2017
4	Delvin	d/s M1 Br.	TEF (Handset)	17/08/2017
5	Delvin	Gormanstown Demesne	TEF (Handset)	17/08/2017
6	Delvin	Knocknagin	TEF (Handset)	17/08/2017

Method: TEF (Ten-minute electrofishing)

Minimum density estimates (no. fish/m²)

Site no.	1	2	3	4	5	6
Species	2017	2017	2017	2017	2017	2017
Brown trout	0.282	0.442	0.292	0.284	0.356	0.329
0+ brown trout	0.122	0.103	0.072	0.060	0.086	0.080
1+ & older brown trout	0.160	0.338	0.220	0.225	0.270	0.249
European eel	-	0.028	0.034	0.014	-	0.014
Flounder	-	-	-	-	-	0.042
Minnow	-	0.056	-	-	-	-
Sea trout	-	-	-	0.014	-	0.014
Stone loach	0.038	-	-	-	-	-
All Fish	0.320	0.526	0.326	0.312	0.356	0.399

Brown trout length frequency, sites 1-6, (n=163)



Salmonid age class structure, Delvin Catchment, 2017

Species	Site No.	% of catch			
		0+	1+	2+	3+
Brown trout	1	43	57	-	-
	2	23	55	23	-
	3	24	28	38	10
	4	23	47	30	-
	5	25	32	43	-
	6	24	45	27	3

Fish ecological status, Delvin Catchment

Site No.	2017
1	Moderate
2	Moderate
3	Moderate
4	Moderate
5	Moderate
6	Moderate

Summary

Five fish species and sea trout (a separate 'variety' of trout) were recorded at the six sites surveyed on the Delvin River Catchment in 2017. Brown trout was the most abundant species captured. Four age classes for brown trout (0+, 1+, 2+ and 3+) were encountered, with 1+ the most abundant cohort. The highest density of brown trout was recorded at Site 2. Flounder were captured at Site 6, a site situated quite close to the sea. Sea trout were captured at Sites 4 and 6.

All sites 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 – Delvin, Factsheet No. 6. National Research Survey Programme. Inland Fisheries Ireland.

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