

Fish in Rivers Factsheet

SWRBD

Martin River Catchment

Factsheet: 2018/11

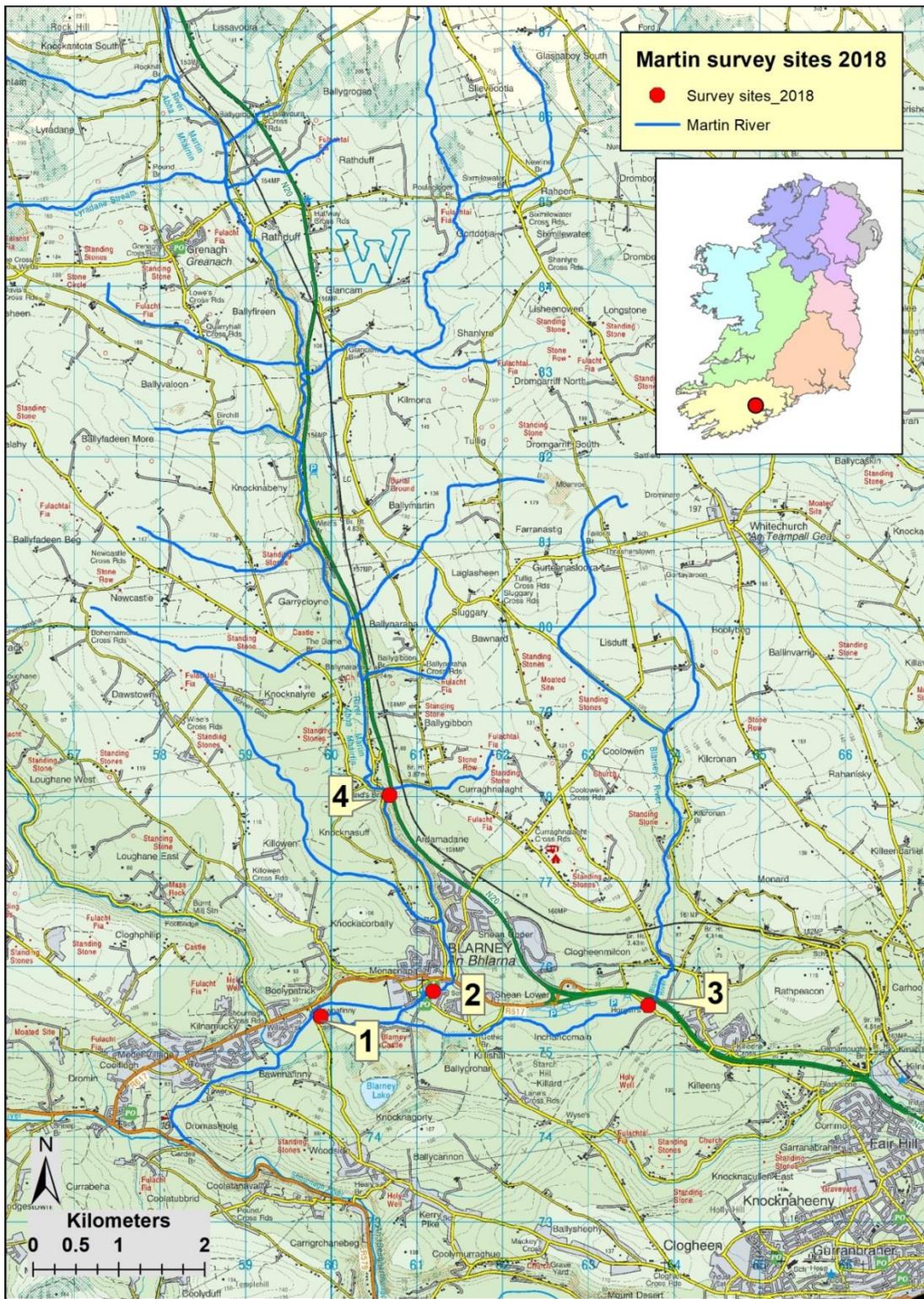
The Martin River catchment is located within the South Western River Basin District and covers an area of approximately 90 km². The catchment is relatively small, with the channel flowing in a southerly direction towards Blarney, Co. Cork. It joins the Shournagh River just southwest of Blarney before looping further south to reach the River Lee near

Carrigrohane. Geology is comprised primarily of sandstone and siltstone. The primary land use types include agriculture (pasture and tillage), with strips of woodland located along the main channel.

Four sites were surveyed on the Martin River catchment on the 14th of August 2018.



The Martin River at Horgan's Br., Co. Cork (Site 3)



Site survey details, Martin River catchment, 2018

No.	Catchment	Site	Method	WFD	Date
1	Martin, River	Bawnafinny Br.	TEF (Handset)	Yes	14/08/2018
2	Martin, River	Blarney Woollen Mills	ADEF (Handset)	-	14/08/2018
3	Blarney, River	Horgan's Br.	TEF (Handset)	-	14/08/2018
4	Martin, River	Putland's Br.	TEF (Handset)	-	14/08/2018

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

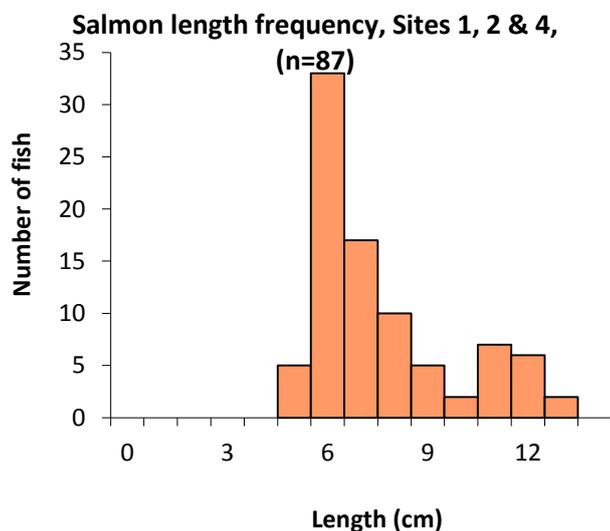
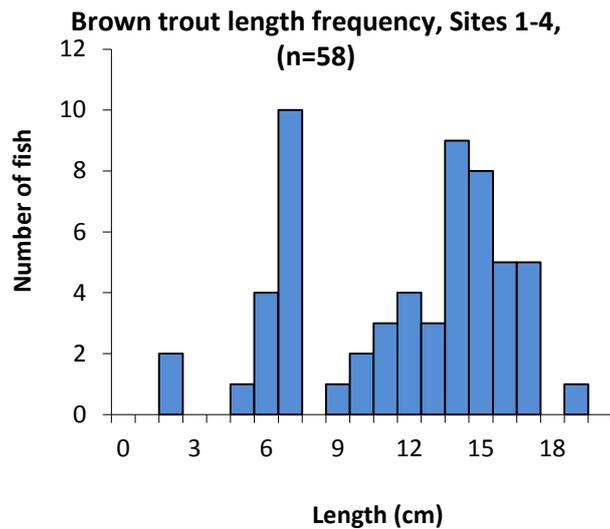
Minimum density estimates (no. fish/m²) (previous data is shown where applicable)

Site no.	1			2	3	4
Species	2008	2011	2018	2018	2018	2018
Brown trout	0.066	0.108	0.341	0.061	0.149	0.079
0+ brown trout	0.027	0.023	0.031	0.023	0.102	0.021
1+ & older brown trout	0.037	0.085	0.310	0.038	0.047	0.058
European eel	0.005	0.003	-	0.004	-	-
Lamprey sp.	0.185	0.062	-	-	0.039	0.003
Stone loach	0.003	0.007	-	-	-	0.044
Three-spined stickleback	0.022	0.010	-	-	0.172	0.116
Salmon	0.152	1.082	0.186	0.095	-	0.342
0+ salmon	0.120	0.830	0.047	0.072	-	0.328
1+ & older salmon	0.032	0.252	0.140	0.023	-	0.014
All fish	0.432	1.271	0.528	0.160	0.360	0.585

Salmonid age class structure Martin River Catchment, August 2018

Species	Site No.	% of catch		
		0+	1+	2+
Brown trout	1	10	86	5
	2	38	50	13
	3	70	10	20
	4	27	45	27
Salmon	1	25	75	-
	2	76	24	-
	4	96	4	-





Fish ecological status, Martin Catchment

Site No.	2008	2011	2018
1	High	High	High
2			Good
3			Mod
4			Good

Summary

Six fish species were recorded at seven sites surveyed on the Martin River Catchment in August 2018. Brown trout and salmon were the most abundant species captured. Salmon were recorded at three sites fished (1, 2 & 4). Brown trout ranged in length from 2.1 to 19.2cm and salmon ranged in length from 5 to 13.2cm. Three age classes for brown trout 0+, 1+ and 2+ and two for salmon 0+ & 1+ were present. European eel was recorded at just one site (2). Lamprey were recorded at two sites (3 & 4). Stone loach was also recorded during the survey.

Site 1 (Bawnafinny Br.) retained its High fish ecological status as part of the Water Framework Directive monitoring programme. Sites 2 and 4 met the required standard of Good status, whereas site 3 achieved moderate status.

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CITATION: Matson, R., Delanty, K., Gordon, P., O’Brian, R., McCarthy, E., Cierpal, D., Connor, L., Corcoran, W., Coyne, J., McLoone, P., Morrissey-McCaffrey, E., Brett, T., Gavin, A and Kelly, F.L., (2019) Sampling Fish in Rivers 2018 - Martin, Factsheet No. 11. National Research Survey Programme. Inland Fisheries Ireland.

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