

Fish in Rivers Factsheet

NBIRBD

Fane River Catchment

Factsheet: 2018/3

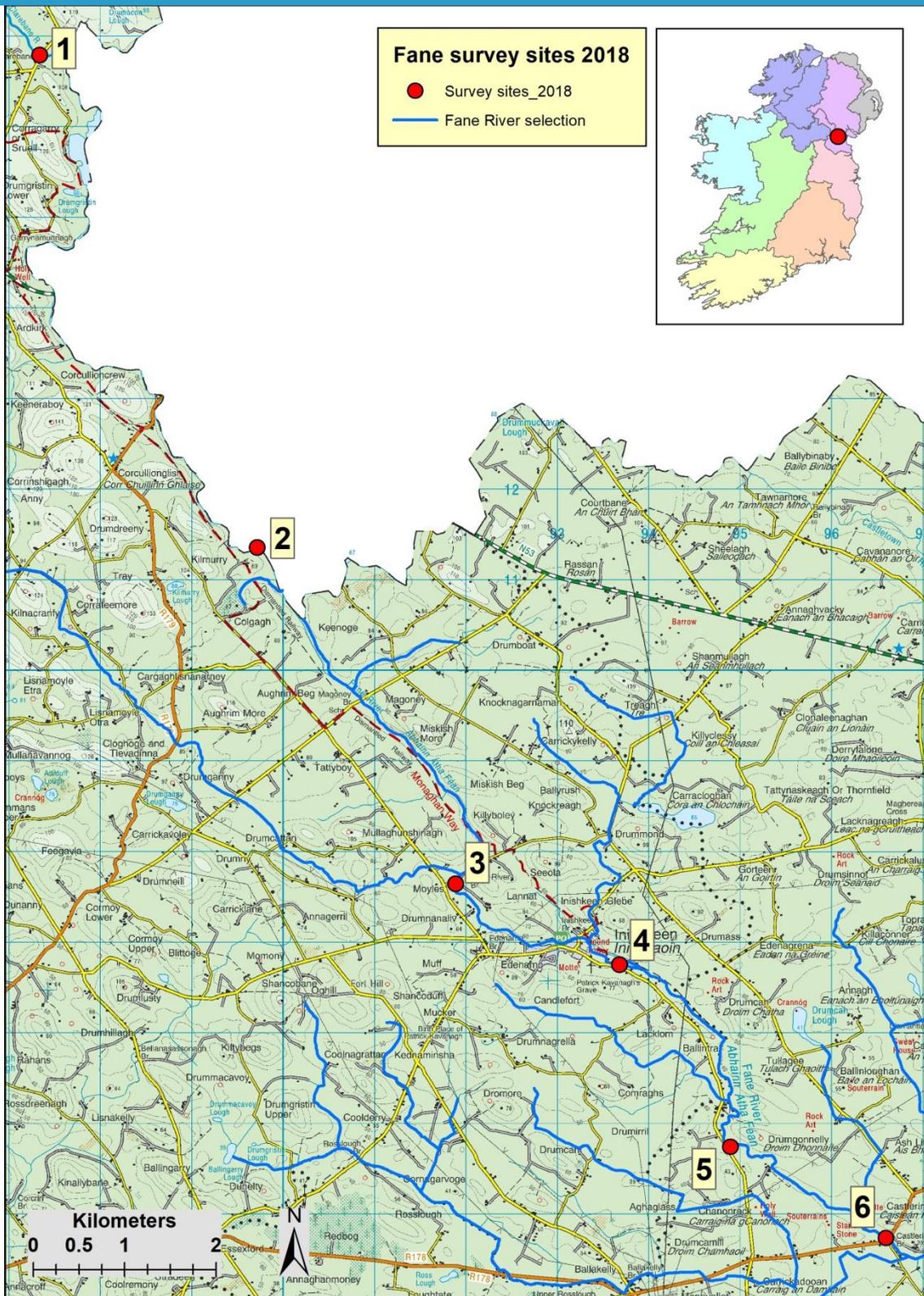
The Fane River catchment is located within the Neagh Bann International River Basin District and covers an area of approximately 140 km². The Fane River flows in a south-easterly direction through Co. Monaghan, with some of its tributaries flowing from Co. Armagh. The Fane River reaches the sea just south of Dundalk

within Dundalk Bay SAC. The underlying geology of this catchment is quite uniform, comprised mostly of mudstone, greywacke and conglomerate. The vast majority of this catchment's land use is agriculture.

Six sites were surveyed on the Fane Catchment between the 4th and 5th of July 2018.



The Fane River near Inniskeen, Co. Monaghan (site 4)



Site survey details, Fane River Catchment, 2018

No.	River	Site	Method	WFD	Date
1	Clarebane River	Clarebane Br.	TEF (Handset)	-	05/07/2018
2	Fane River	Kilmurray	TEF (Handset)	-	05/07/2018
3	Fane River	Moyles	TEF (Handset)	-	05/07/2018
4	Fane River	Br. d/s of Inniskeen	TEF (Handset)	-	05/07/2018
5	Fane River	Drumgonnelly	TEF (Handset)	-	04/07/2018
6	Fane River	Castlering Br.	TEF (Handset)	-	04/07/2018

TEF (Ten-minute electrofishing)

Minimum density estimates (no. fish/m²), Fane River Catchment 2018 (previous results are shown where applicable)

	1	2	3	4			5	6
	2018	2018	2018	2010	2013	2018	2018	2018
Brown trout	-	0.091	0.076	0.109	0.286	0.211	0.121	0.019
0+ brown trout	-	0.033	0.017	0.013	0.092	0.008	0.000	0.016
1+ & older brown trout	-	0.058	0.059	0.096	0.193	0.203	0.121	0.004
European eel	0.040	-	-	0.037	0.024	0.011	-	0.039
Gudgeon	0.016	-	-	-	-	-	-	-
Lamprey sp.	-	0.006	-	0.003	-	-	-	-
Perch	0.004	-	-	-	-	-	-	-
Pike	0.004	-	-	-	-	-	-	-
Roach	0.024	0.006	-	-	-	-	-	-
Salmon	-	0.047	0.071	0.637	0.241	0.015	0.143	0.012
0+ salmon	-	0.025	0.028	0.362	0.080	0.000	0.007	0.004
1+ & older salmon	-	0.022	0.043	0.275	0.161	0.015	0.136	0.008
Stone loach	-	0.041	0.014	0.024	0.015	-	0.007	0.033
Three-spined stickleback	0.012	0.008	-	-	0.003	-	-	-
All Fish	0.100	0.199	0.161	0.810	0.568	0.237	0.271	0.103

Salmonid age class structure Fane River Catchment 2018

Species	Site No.	% of catch			
		0+	1+	2+	3+
Brown trout	2	41	47	12	-
	3	25	69	6	-
	4	4	73	23	-
	5	-	88	6	6
	6	83	-	17	-
Pike	1	100	-	-	-
Roach	1	-	50	50	-
	2	-	-	100	-
Salmon	2	56	44	-	-
	3	40	60	-	-
	4	-	100	-	-
	5	5	95	-	-
	6	33	67	-	-

Fish ecological status, Fane Catchment, 2018

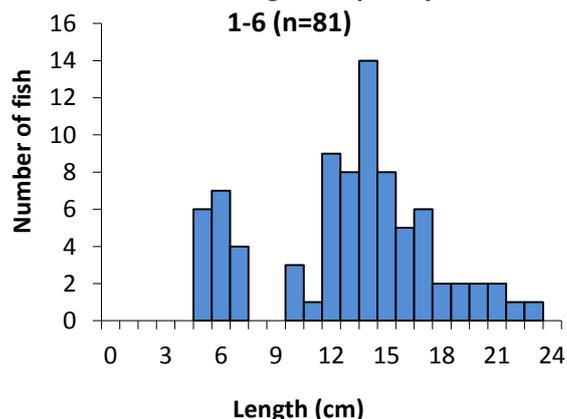
Site No.	2010	2013	2018
1			N/A
2			Mod
3			Mod
4	Good	Good	Mod
5			Mod
6			N/A

Summary

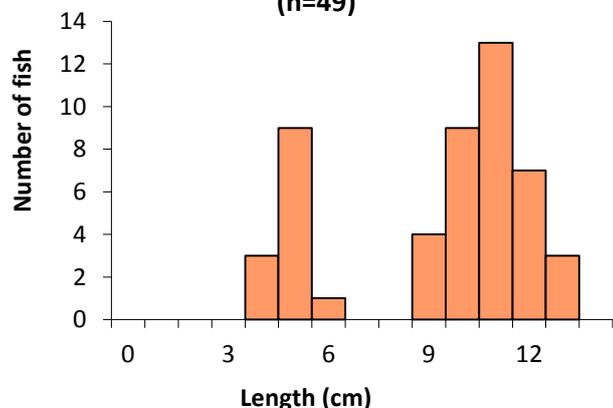
Ten fish species were recorded at six sites surveyed on the Fane River Catchment in 2018. Brown trout was the most abundant species captured. Salmon and trout were recorded at five out of six sites. Four age classes of brown trout 0+, 1+, 2+ and 3+ were present and ranged in length from 5.1 to 23.4cm. Two age classes of salmon 0+ & 1+ were present with the 1+ cohort the most prevalent. Salmon ranged in length from 4 to 13.6cm. European eel was recorded at sites 1, 4 and 6. Pike were recorded at one site only (site 1) and lamprey at site 2 only. Roach were recorded at both site 1 & 2. Stone loach and three-spined stickleback were also present.

No survey sites assigned fish ecological status within the catchment met the minimum requirement of 'Good' as part of the Water Framework Directive surveillance monitoring assessment programme in 2018. Site 4 (Br. d/s of Inniskeen) declined from Good to Moderate status in 2018.

Brown trout length frequency, sites 1-6 (n=81)



Salmon length frequency, sites 1-6 (n=49)



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CITATION: Matson, R., Delanty, K., Gordon, P., O'Briain, 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 - Fane, Factsheet No. 3. National Research Survey Programme. Inland Fisheries Ireland.

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