

Fish in Rivers Factsheet

SWRBD

Bride River Catchment

Factsheet: 2018/8

The Bride River Catchment is located within the South Western River Basin District and covers an area of approximately 370km². The River Bride flows in a westerly direction rising just southeast of Mallow, Co. Cork and joining the River Blackwater south of Lismore, Co. Waterford. Geology is comprised of predominantly sandstone and mudstone. The primary land use is agriculture, with large patches of forestry

higher up the catchment and a few small pockets scattered further down. The lower reaches of the Bride as it joins the Munster Blackwater fall within a Special Area of Conservation.

Twenty-seven sites were surveyed on the River Bride Catchment between the 25th and 29th of September 2018.



The River Bride at Mass Rock, Co. Cork (site 2)

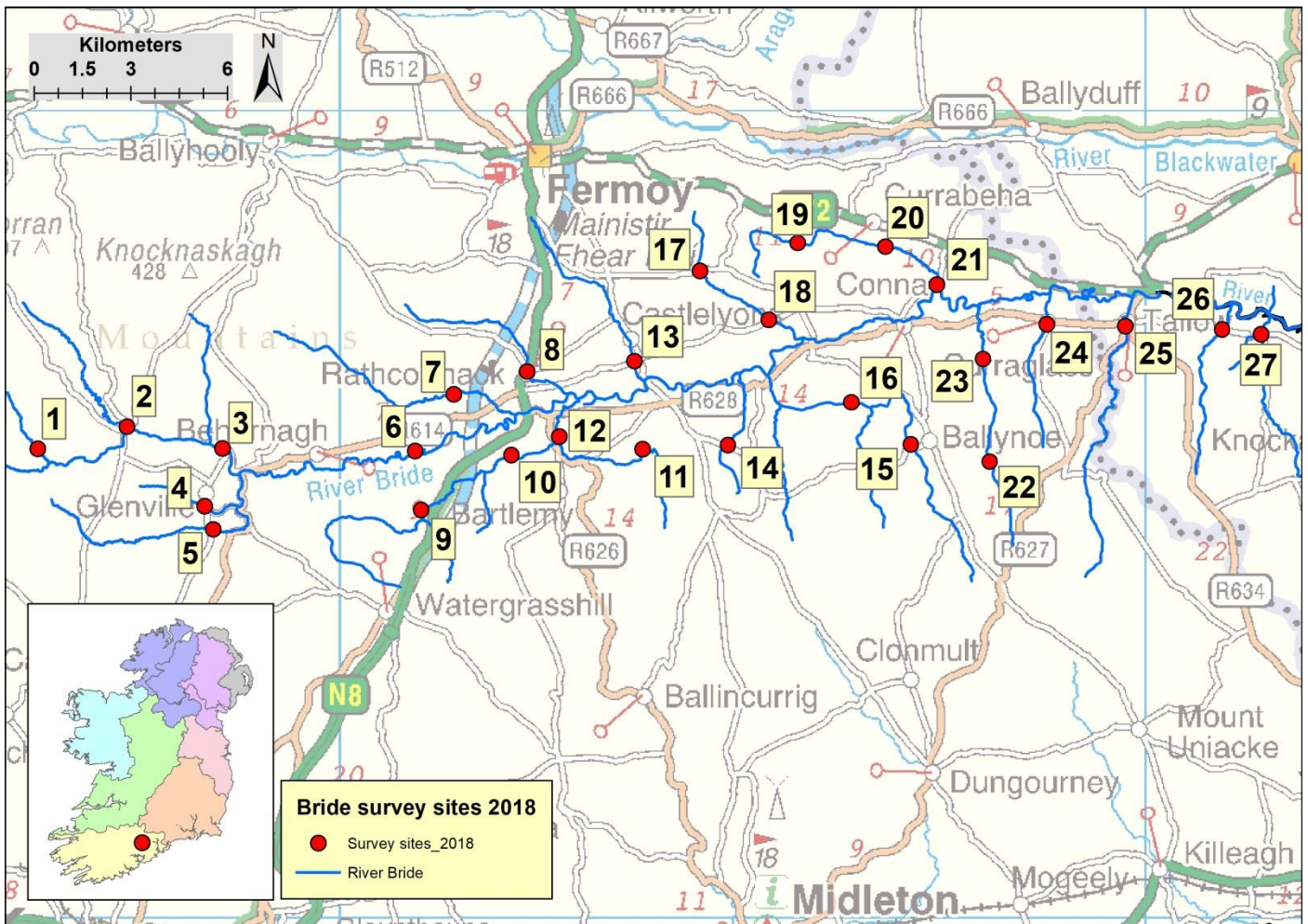


Fig 1. Location map of Bride River Catchment electrofishing survey sites, 2018

Site survey details, Bride River Catchment, September 2018

No.	River	Site	Method	WFD	Date
1	Bride (Toor) River	Red Bog	TEF (Handset)	-	26/09/2018
2	Bride River	Mass Rock	TEF (Handset)	-	26/09/2018
3	Bride River	Bride Br._A	TEF (Handset)	-	26/09/2018
4	Bride (Oldbawn) River	Glenville Br.	TEF (Handset)	-	26/09/2018
5	Bride (Glashanabrack) River	Graigue Br.	TEF (Handset)	-	27/09/2018
6	Bride River	Gearagh	TEF (Handset)	-	26/09/2018
7	Bride (Moanlanan) River	Ballybrowney Br.	TEF (Handset)	-	27/09/2018
8	Bride (Shanowen) River	Rathcormack	TEF (Handset)	-	27/09/2018
9	Bride (Flesk) River	Ballinaltig Br.	TEF (Handset)	-	27/09/2018
10	Bride (Flesk) River	Ballyglissane Br.	TEF (Handset)	-	27/09/2018
11	Bride (Owenageeragh) River	Lissurla East	TEF (Handset)	-	27/09/2018
12	Bride (Flesk) River	Ballinterry_A	TEF (Handset)	-	27/09/2018
13	Bride (Shanowennadrimia) River	Stable Crossroads	TEF (Handset)	-	26/09/2018
14	Bride (Glenkeen) River	Ballyvolane Br.	TEF (Handset)	-	25/09/2018
15	Bride (Douglas) River	Togher Br.	TEF (Handset)	-	29/09/2018
16	Bride (Douglas) River	Athnafola Br.	TEF (Handset)	-	25/09/2018
17	Bride (Knockdromaclough) River	Coole Lower	TEF (Handset)	-	26/09/2018
18	Bride (Knockdromaclough) River	Grange Br.	TEF (Handset)	-	26/09/2018
19	Bride (Collatrim) River	Ballymurphy Crossroads	TEF (Handset)	-	25/09/2018
20	Bride (Collatrim) River	Collatrim Br.	TEF (Handset)	-	26/09/2018
21	Bride (Collatrim) River	Bridepark Br.	TEF (Handset)	-	25/09/2018
22	Bride (Shanakill) River	Booldurragha Br.	TEF (Handset)	-	26/09/2018
23	Bride (Shanakill) River	Shanagkill Crossroads	TEF (Handset)	-	25/09/2018
24	Bride (Curraglass) River	Curraglass	TEF (Handset)	-	26/09/2018
25	Bride (Glenaboy) River	Tallow	TEF (Handset)	-	25/09/2018
26	Bride (Kilwinny) River	Kilwinny Br.	TEF (Handset)	-	29/09/2018
27	Bride (Dunmoon) River	Glenawillin Br.	TEF (Handset)	-	27/09/2018

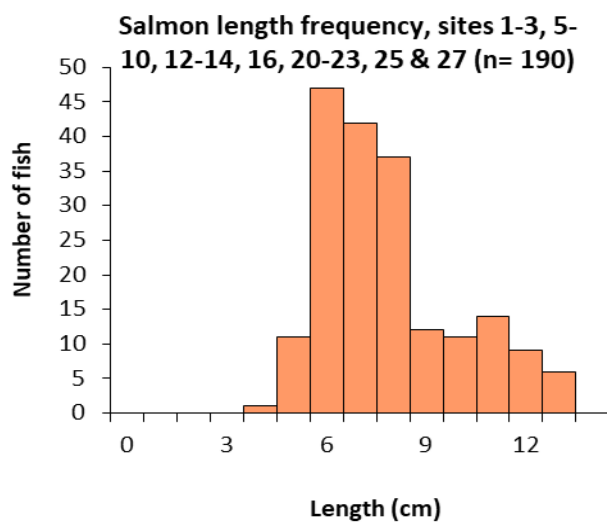
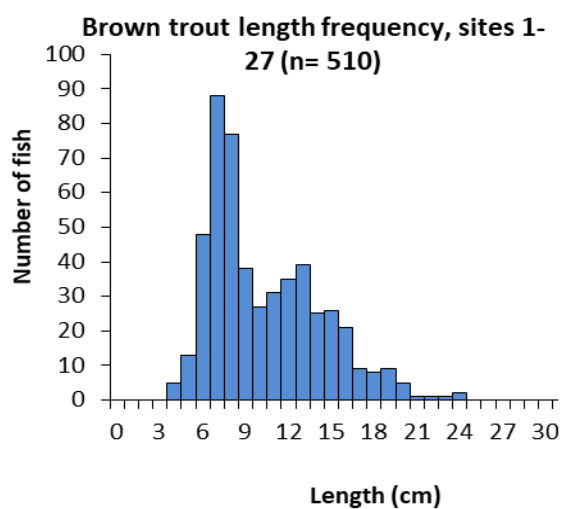
TEF (Ten-minute electrofishing)

Minimum density estimates (no. fish/m²), Bride River Catchment 2018

Site no.	1	2	3	4	5	6	7	8	9
Species	2018	2018	2018	2018	2018	2018	2018	2018	2018
Brown trout	0.444	0.247	0.054	0.722	0.280	0.011	0.652	0.719	0.466
0+ brown trout	0.272	0.089	0.014	0.514	0.267	0.005	0.142	0.479	0.392
1+ & older brown trout	0.172	0.158	0.039	0.208	0.013	0.005	0.510	0.240	0.075
European eel	0.027	0.021	0.036	-	0.020	0.008	-	-	0.028
Lamprey sp.	-	-	-	-	0.033	-	0.017	-	0.065
Stone loach	-	-	-	-	0.020	0.005	0.033	0.035	-
Three-spined stickleback	-	-	-	-	0.202	-	-	0.027	0.056
Salmon	0.018	0.192	0.115	-	0.013	0.198	0.201	0.018	0.093
0+ salmon	-	0.110	0.065	-	0.013	0.139	0.167	0.018	0.093
1+ & older salmon	0.018	0.082	0.050	-	-	0.059	0.033	0.000	0.000
All fish	0.490	0.460	0.204	0.722	0.566	0.223	0.902	0.799	0.709
Site no.	10	11	12	13	14	15	16	17	18
Species	2018	2018	2018	2018	2018	2018	2018	2018	2018
Brown trout	0.444	0.352	0.063	0.119	0.178	0.339	0.120	-	-
0+ brown trout	0.178	0.325	0.029	0.068	0.127	0.083	0.113	-	-
1+ & older brown trout	0.266	0.027	0.034	0.051	0.051	0.256	0.008	-	-
European eel	-	-	-	0.196	0.085	-	-	-	0.107
Lamprey sp.	-	-	-	-	-	-	-	0.073	-
Stone loach	-	0.027	0.011	-	-	-	0.015	-	-
Three-spined stickleback	-	-	-	0.077	-	-	0.011	-	-
Salmon	0.101	-	0.538	0.034	0.034	-	0.045	-	-
0+ salmon	0.038	-	0.492	-	0.034	-	0.045	-	-
1+ & older salmon	0.063	-	0.046	0.034	0.000	-	-	-	-
All fish	0.545	0.379	0.612	0.427	0.297	0.339	0.192	0.073	0.107
Site no.	19	20	21	22	23	24	25	26	27
Species	2018	2018	2018	2018	2018	2018	2018	2018	2018
Brown trout	0.054	0.331	0.023	0.337	0.883	0.952	0.298	0.946	0.232
0+ Brown trout	0.054	0.308	0.023	0.262	0.107	0.878	0.227	0.253	0.144
1+ & older Brown trout	-	0.023	-	0.075	0.776	0.075	0.070	0.692	0.088
European eel	-	-	-	-	0.029	0.131	-	0.025	-
Lamprey sp.	-	0.011	0.006	-	0.019	-	0.016	0.017	-
Stone loach	-	-	-	-	-	0.037	0.011	-	-
Three-spined stickleback	0.200	0.251	0.017	-	-	0.056	-	-	-
Salmon	-	0.023	0.046	0.025	0.039	-	0.292	-	0.066
0+ Salmon	-	-	0.046	-	0.019	-	0.271	-	0.066
1+ & older Salmon	-	0.023	-	0.025	0.019	-	0.022	-	-
All fish	0.254	0.616	0.093	0.361	0.970	1.176	0.617	0.988	0.299

Salmonid age class structure Bride River Catchment, 2018

Species	Site No.	% of catch				Species	Site No.	% of catch			
		0+	1+	2+	3+			0+	1+	2+	3+
Brown trout	1	61	39	-	-	Salmon	1	-	100	-	-
	2	35	65	-	-		2	57	43	-	-
	3	29	71	-	-		3	56	44	-	-
	4	76	24	-	-		5	100	-	-	-
	5	95	5	-	-		6	70	30	-	-
	6	50	50	-	-		7	83	17	-	-
	7	24	58	18	-		8	100	-	-	-
	8	67	33	-	-		9	100	-	-	-
	9	83	17	-	-		10	38	38	25	-
	10	41	38	9	12		12	91	9	-	-
	11	93	7	-	-		13	-	100	-	-
	12	50	17	17	17		14	100	-	-	-
	13	57	43	-	-		16	100	-	-	-
	14	75	25	-	-		20	-	100	-	-
	15	24	55	17	3		21	100	-	-	-
	16	94	6	-	-		22	-	100	-	-
	19	100	-	-	-		23	50	50	-	-
	20	93	7	-	-		25	93	7	-	-
	21	100	-	-	-		27	100	-	-	-
	22	77	23	-	-						
	23	14	41	43	2						
	24	92	8	-	-						
	25	78	22	-	-						
	26	26	60	11	2						
	27	60	40	-	-						



Fish ecological status, Bride Catchment, 2018

Site No.	2018
1	Mod
2	Mod
3	Good
4	Mod
5	Good
6	Good
7	High
8	High
9	Good
10	High
11	Good
12	Good
13	Good
14	Good
15	High
16	Mod
17	Poor
18	Mod
19	Mod
20	Mod
21	Poor
22	Good
23	Good
24	High
25	Mod
26	Poor
27	Mod

Summary

Six fish species were recorded at twenty seven sites surveyed on the Bride River Catchment in 2018. Brown trout was the most abundant species captured and ranged in length from 4.5 to 33.8cm. Salmon were recorded at nineteen out of twenty seven sites fished and ranged in length from 4.5 to 13.7cm. Three age classes of salmon 0+, 1+ and 2+ and four age classes of brown trout 0+, 1+, 2+ & 3+ were present. European eel was recorded at twelve sites and lamprey were recorded at nine sites. Stone loach and three-spined stickleback were also recorded in the catchment.

Fifteen sites were assigned 'Good' fish ecological status or higher; however, nine sites only achieved moderate and poor status.

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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 - Cornamona, Factsheet No. 8. National Research Survey Programme. Inland Fisheries Ireland.

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