

# Fish in Rivers Factsheet

SERBD

Dinin River Catchment

Factsheet: 2017/13

The Dinin River Catchment is located in the South Eastern River Basin District and covers an area of approximately 300km<sup>2</sup> within the larger River Nore catchment. The Dinin River flows in a southerly direction through Castlecomer, before joining the River Nore, just north of Kilkenny City.

The geology of this catchment is mainly sandstone and shale, with the land used for agriculture. Long

stretches of this river's channel and banks fall within the River Barrow and River Nore Special Area of Conservation.

Eleven sites were surveyed on the Dinin River Catchment on the 30<sup>th</sup> of July and 2<sup>nd</sup> of August 2017.



**The Dinin River at Black Bridge (Site 6).**



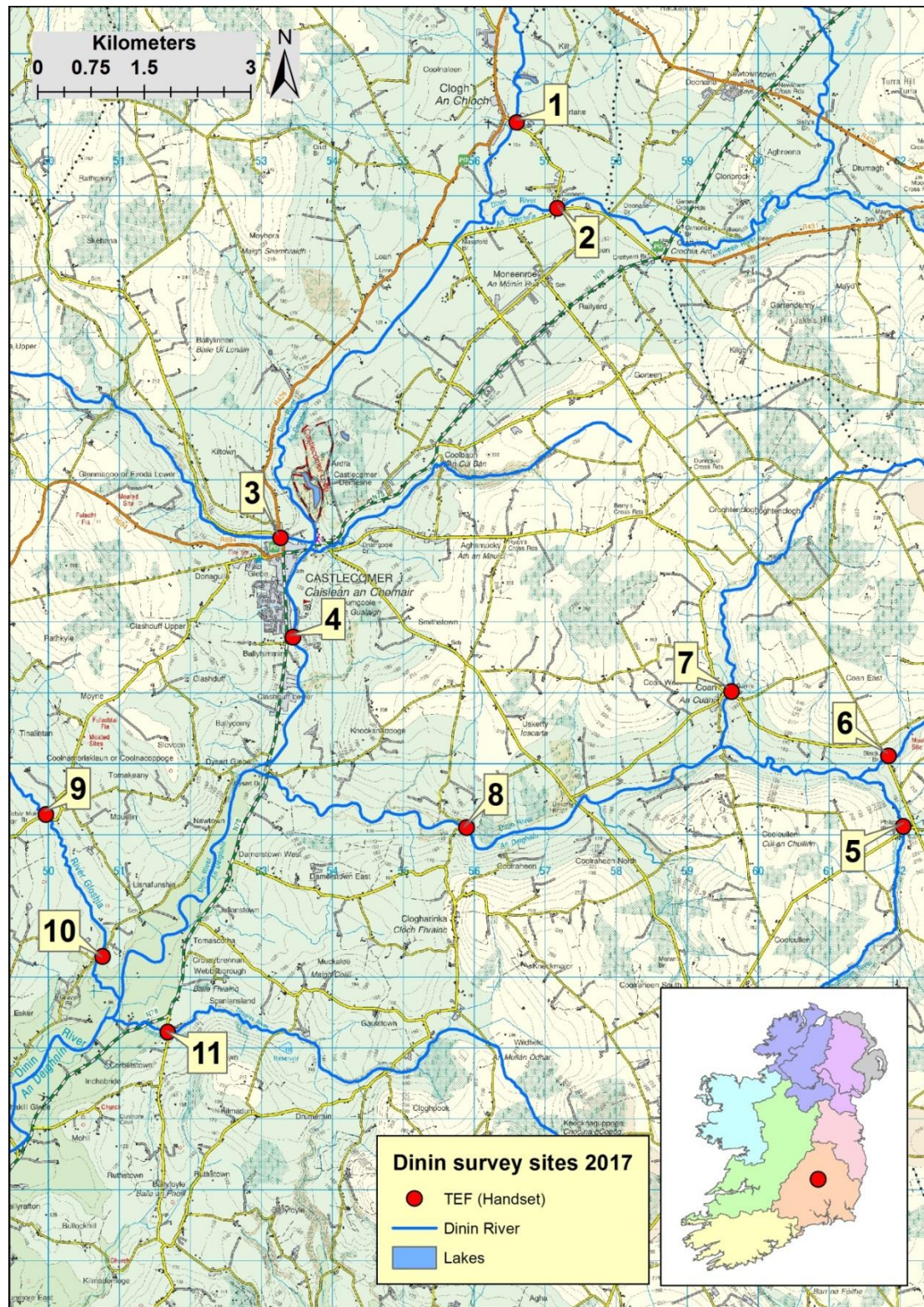


Fig 1. Map of Dinin Catchment electrofishing survey sites, 2017

Minimum density estimate (fish no./m<sup>2</sup>)

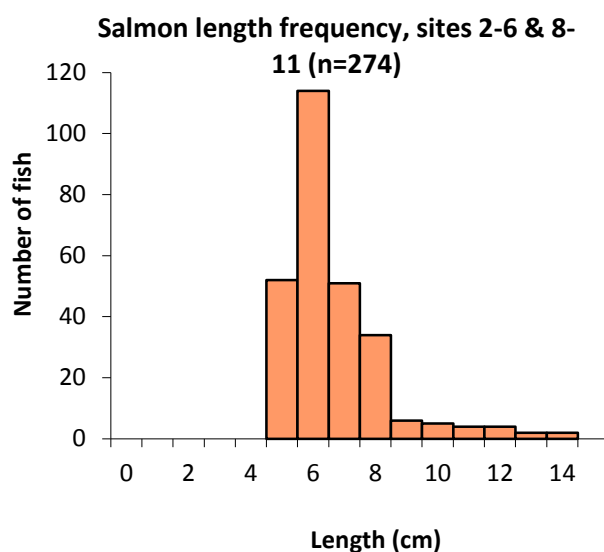
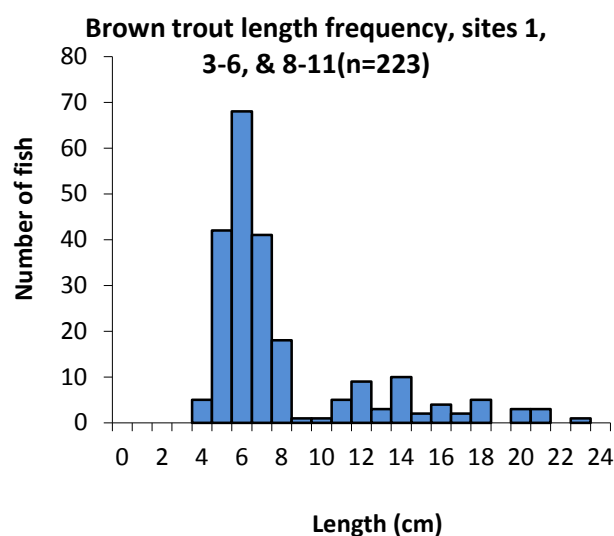
Site no.	1	2	3	4	5	6
Species	2017	2017	2017	2017	2017	2017
Brown trout	0.163	-	0.200	Yes	0.584	0.395
0+ Brown trout	0.000	-	0.139	Yes	0.551	0.337
1++ Brown trout	0.163	-	0.060	Yes	0.033	0.058
European eel	-	-	-	-	-	-
Flounder	-	-	-	-	-	-
Lamprey sp.	-	-	-	-	-	-
Minnow	0.842	0.181	-	Yes	-	-
Salmon	-	0.053	0.028	Yes	1.077	0.867
0+ Salmon	-	0.053	0.019	Yes	0.960	0.848
1++ Salmon	-	-	0.009	Yes	0.117	0.019
Sea trout	-	-	-	-	-	-
Stone loach	0.022	0.181	0.042	Yes	0.017	0.048
Three-spined stickleback	0.125	-	0.014	-	-	-
<b>All Fish</b>	<b>1.152</b>	<b>0.415</b>	<b>0.283</b>	<b>Spot</b>	<b>1.678</b>	<b>1.311</b>
Site no.	7	8	9	10	11	
Species	2017	2017	2017	2017	2008	2017
Brown trout	-	Yes	0.799	0.359	0.008	0.509
0+ Brown trout	-	Yes	0.799	0.271	0.003	0.390
1++ Brown trout	-	Yes	-	0.088	0.005	0.118
European eel	-	-	-	-	0.0004	0.021
Flounder	-	-	-	-	0.0004	-
Lamprey	-	-	-	-	0.0004	-
Minnow	-	Yes	-	-	-	-
Salmon	-	Yes	0.021	0.080	0.025	0.167
0+ Salmon	-	Yes	-	0.048	0.008	0.125
1++ Salmon	-	Yes	0.021	0.032	0.017	0.042
Sea trout	-	-	-	-	0.001	-
Stone loach	0.426	Yes	-	0.239	-	0.063
Three-spined stickleback	-	-	0.032	0.024	0.0004	-
<b>All Fish</b>	<b>0.426</b>	<b>Spot</b>	<b>0.851</b>	<b>0.702</b>	<b>0.036</b>	<b>0.759</b>
<b>Yes- Present (Spot check only)</b>						



# Site survey details, Dinin River Catchment, 2017

No.	River name	Site	Method	Date
1	Dinin (Clogh) tributary	Clogh Br.	TEF (Handset)	02/08/2017
2	Dinin River	Cloneen Br.	TEF (Handset)	02/08/2017
3	Dinin (Firoda) tributary	North Br.	TEF (Handset)	31/07/2017
4	Dinin River	Ballyhimmin	Spot	02/08/2017
5	Dinin (Coolcullen) tributary	Philip's Br.	TEF (Handset)	02/08/2017
6	Dinin River	Black Br.	TEF (Handset)	02/08/2017
7	Dinin (Coan) tributary	Burn's Br.	TEF (Handset)	02/08/2017
8	Dinin River	Coolraheen North	Spot	02/08/2017
9	Gloshia, River	Tobar Muire	TEF (Handset)	01/08/2017
10	Gloshia, River	Kilcollan	TEF (Handset)	01/08/2017
11	Douglas River	Corbetstown	TEF (Handset)	01/08/2017

TEF (Ten-minute electrofishing), Spot check (presence/absence recorded)





## Fish ecological status, Dinin Catchment

Site No.	2017
1	Poor
2	Poor
3	Good
4	N/A
5	High
6	High
7	Poor
8	N/A
9	Good
10	High
11	High
N/A: Fish absent or qualitative data only available (spot check)	

## Summary

Six fish species were recorded at eleven sites fished on the Dinin River Catchment in 2017. Brown trout and salmon were the most abundant species captured. Four age classes for brown trout (0+, 1+, 2+ and 3+) were present, with 0+ the most abundant cohort. The highest density of brown trout were caught at Site 9. Two age classes for salmon (0+ and 1+) were present, with 0+ again the most abundant cohort. The highest density of salmon and overall fish caught was at site 5. European eel were captured at site 11, only.

Three sites (1, 2 and 7) were assigned a fish ecological status of poor. Three sites (3, 8 and 9) were assigned good and four sites (5, 6, 10 and 11) were assigned high fish status.

## Salmonid age class structure, Dinin Catchment, 2017

Species	Site No.	% of catch			
		0+	1+	2+	3+
Brown trout					
	1	-	86	14	-
	3	74	26	-	-
	4	33	-	27	40
	5	95	2	2	-
	6	88	13	-	-
	8	50	50	-	-
	9	100	-	-	-
	10	76	24	-	-
	11	80	20	-	-
Salmon					
	2	100	-	-	-
	3	67	33	-	-
	4	88	12	-	-
	5	89	11	-	-
	6	98	2	-	-
	8	89	11	-	-
	9	-	100	-	-
	10	60	40	-	-
	11	75	25	-	-

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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 – Dinin, Factsheet No. 13. National Research Survey Programme. Inland Fisheries Ireland.

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