

Fish in Rivers Factsheet

WRBD

Cornamona River Catchment

Factsheet: 2018/12

The Cornamona River catchment is located within the Western River Basin District and covers an area of approximately 28km². The Cornamona River rises on Lugnabrick Mountain close to the north-western side of Lough Corrib Upper and flows in a south-easterly direction joining the lake, just east of Cornamona Village, Co. Galway. Geology is comprised of sandstone and schist. The primary land use types include Atlantic blanket bog and forestry, with areas of agriculture (rough grazing), encountered in the

lower reaches and along the main channel. Significant pockets of land along the main channel of this river fall within the Lough Corrib Special Area of Conservation.

Sixteen sites were surveyed on the Cornamona River catchment between the 20th of August and 4th of September 2018.



The Cornamona at Ballydoolough Bridge, Co. Mayo (site 12), August 2018.



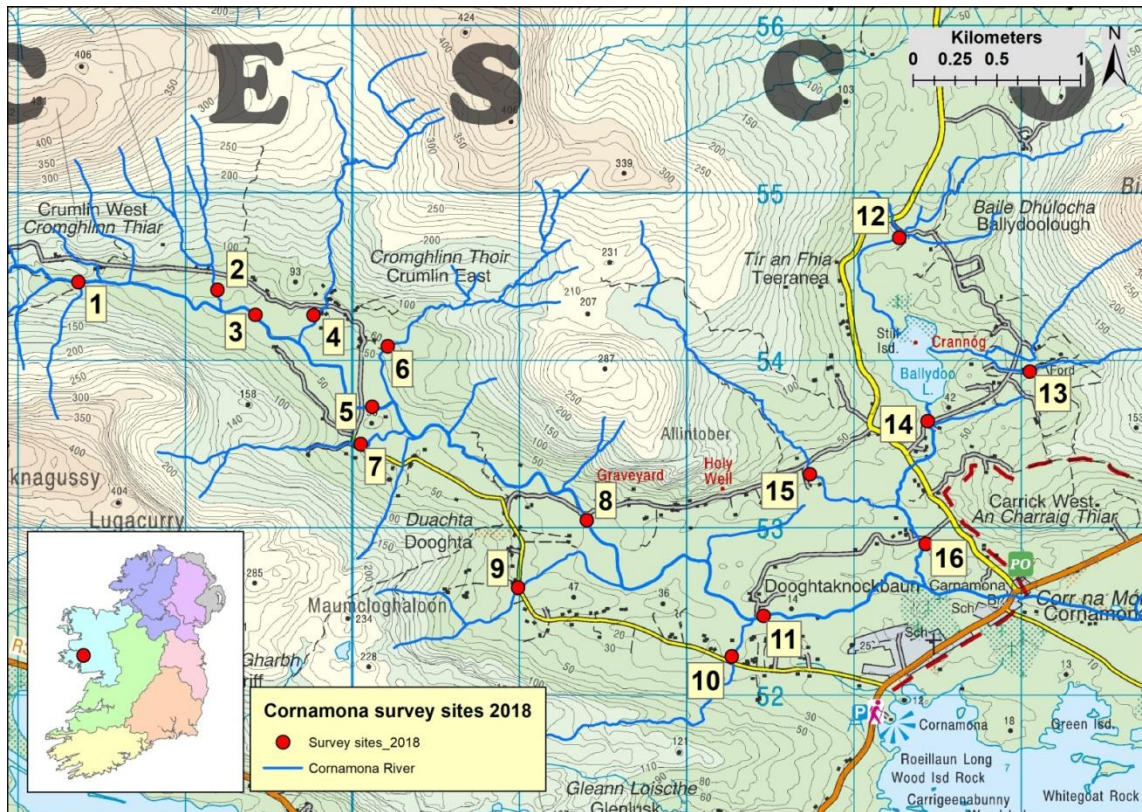


Fig 1. Map of Cornamona River Catchment electrofishing survey sites, 2018

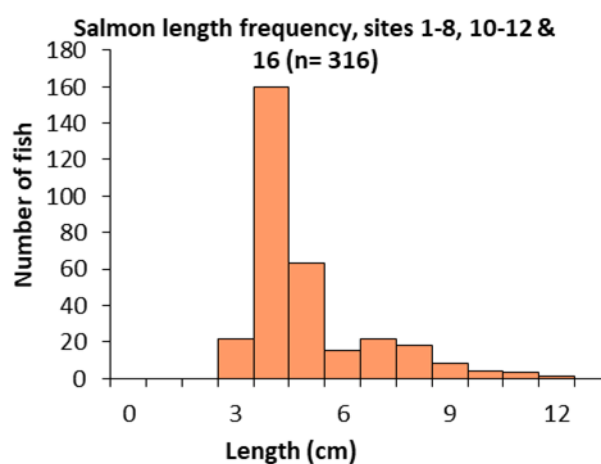
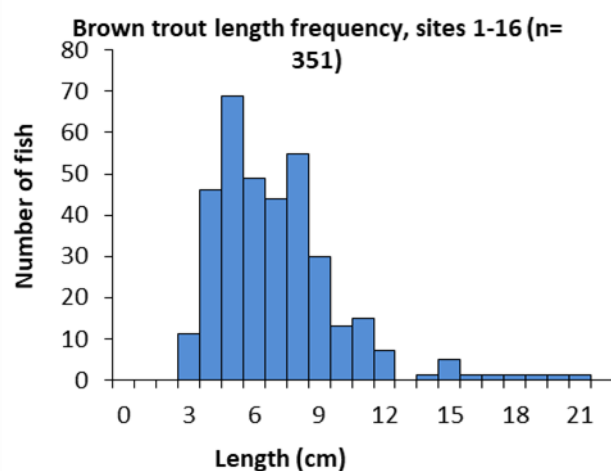
Site survey details, Cornamona River Catchment, 2018

No.	River name	Site name	Method	WFD	Date
1	Cornamona River	Crumlin West	ADEF (Handset)	-	21/08/2018
2	Crumlin West River	Crumlin Field	TEF (Handset)	-	23/08/2018
3	Cornamona River	Middle Crumlin	TEF (Handset)	-	23/08/2018
4	Bothan River	D/s of Br. near Confl.	ADEF (Handset)	-	22/08/2018
5	Cornamona River	Crumlin East	ADEF (Handset)	-	21/08/2018
6	Crumlin East River	Crumlin Track	TEF (Handset)	-	22/08/2018
7	Lugacurry River	Lugacurry Br.	TEF (Handset)	-	22/08/2018
8	Cornamona River	Allintober Graveyard	TEF (Handset)	-	20/08/2018
9	Mauncloghallow River	Mauncloghallow Br.	TEF (Handset)	-	21/08/2018
10	Glenlusk River	Glenlusk North	TEF (Handset)	-	21/08/2018
11	Cornamona River	Dooghtaknockbaun	ADEF (Handset)	-	21/08/2018
12	Benlevy River	Ballydoolough Br.	TEF (Handset)	-	22/08/2018
13	Benlevy River	Benlevy Ford	TEF (Handset)	-	22/08/2018
14	Benlevy River	d/s of Ballydoo L.	TEF (Handset)	-	04/09/2018
15	Teeranea River	Allintober East	TEF (Handset)	-	04/09/2018
16	Benlevy River	Carrick West	TEF (Handset)	-	04/09/2018

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

Minimum density estimate (no. fish/m²), Cornamona 2018

Site no.	1	2	3	4	5	6	7	8
Species	2018	2018	2018	2018	2018	2018	2018	2018
Brown trout	0.178	0.926	0.262	0.274	0.204	0.862	0.032	0.182
0+ brown trout	0.061	0.546	0.013	0.122	0.146	0.287	0.032	0.131
1+ & older brown trout	0.117	0.380	0.248	0.152	0.058	0.575	-	0.050
Minnow	-	-	-	-	-	-	-	-
Perch	-	-	-	-	-	-	-	-
Pike	-	-	-	-	-	-	-	-
Salmon	0.154	0.430	0.327	0.030	0.350	0.335	0.075	0.452
0+ salmon	0.154	0.430	0.157	-	0.286	0.335	0.053	0.336
1+ & older salmon	-	-	0.170	0.030	0.064	-	0.021	0.116
All fish	0.332	1.356	0.588	0.304	0.554	1.198	0.107	0.634
Site no.	9	10	11	12	13	14	15	16
Species	2018	2018	2018	2018	2018	2018	2018	2018
Brown trout	1.753	0.836	0.076	0.101	0.074	0.072	0.383	0.276
0+ brown trout	1.227	0.439	0.050	0.101	0.074	-	0.245	0.256
1+ & older brown trout	0.526	0.397	0.027	-	-	0.072	0.139	0.020
Minnow	-	-	0.013	-	-	-	-	-
Perch	-	-	0.040	-	-	-	-	0.031
Pike	-	-	-	0.017	-	-	-	-
Salmon	-	0.439	0.152	0.473	-	-	-	0.522
0+ salmon	-	0.439	0.139	0.473	-	-	-	0.338
1+ & older salmon	-	-	0.013	-	-	-	-	0.184
All fish	1.753	1.275	0.282	0.591	0.074	0.072	0.383	0.829



Salmonid age class structure Cornamona River Catchment, 2018

Species	Site No.	% of catch			
		0+	1+	2+	3+
Brown trout	1	34	59	-	7
	2	65	32	3	-
	3	5	89	5	-
	4	44	44	11	-
	5	71	26	3	-
	6	39	50	7	4
	7	100	-	-	-
	8	78	22	-	-
	9	73	27	-	-
	10	59	41	-	-
	11	65	35	-	-
	12	100	-	-	-
	13	100	-	-	-
	14	-	33	67	-
	15	68	16	12	4
	16	94	6	-	-
Pike	12	100	-	-	-
Salmon	1	100	-	-	-
	2	100	-	-	-
	3	54	43	4	-
	4	-	75	25	-
	5	82	18	-	-
	6	100	-	-	-
	7	75	25	-	-
	8	77	23	-	-
	10	100	-	-	-
	11	91	9	-	-
	12	100	-	-	-
	16	69	28	3	-

Fish ecological status, Cornamona River Catchment, 2018

Site No.	2018
1	Good
2	High
3	Good
4	Good
5	Good
6	High
7	Mod
8	Good
9	High
10	High
11	Good
12	Good
13	Poor
14	Mod
15	Good
16	High

Summary

Five fish species were recorded at sixteen sites surveyed on the Cornamona River Catchment in 2018. Brown trout was the most abundant species captured. Salmon were recorded at twelve out of sixteen sites fished. Four age classes of brown trout 0+, 1+, 2+ & 3+ were present and ranged in length from 3.5 to 21.5cm. Three age classes of salmon 0+, 1+ and 2+ (with 0+ being the most popular cohort) were present across the catchment. Salmon ranged in length from 3 to 12.1cm. One pike measuring 11.6cm in length was recorded at site 12. Perch were recorded at site 11 and 16 and ranged in length from 5.2 to 7.1cm. Minnow were recorded at site 11 only.

Thirteen sites (87%) were assigned a fish ecological status of Good while three achieved Moderate or Poor status.

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