

Freshwater Pearl Mussel: Juvenile fish survey – September 2009

Specified sites were sampled by semi-quantitative electrofishing according to methodology outlined by Crozier & Kennedy (1995) and widely adopted in UK and Ireland in assessment of juvenile salmonid distribution and density. Results are presented in Table 1 and density classification system is outlined in Table 2.

River	Site	Location	Eastings	Northings	Salmon			Trout		
					0+	1+	Classification	0+	1+/older	Classification
Derreen	1	Hacketstown	698168	681046	3.5	1	Poor	3.5	5	Poor
	2	Hacketstown	698168	681046	6.4	5	Fair	1.6	2	Poor
	3	Acaun Br	689904	677955	7.2	2	Fair	5.8	6	Fair
	4	Acaun Br	689904	677955	15.0	4	Good	0.0	3	Absent
Mountain	1	Owlbeg	674414	651004	25.8	5	Excellent	5.2	4	Fair
	2	Lacken Cross	676924	651595	10.9	2	Fair	3.1	1	Poor
Ballymurphy	1	Mullannaskeagh	676772	645268	5.5	2	Fair	12.5	0	Fair
	2	Ballymurphy	677212	647197	3.6	0	Poor	14.4	1	Fair
Licky	1	Gorteen (N25)	623359	587459	0.0	0	Absent	19.0	7	Good
	2	Reanagullee	621964	686714	0.0	1	Absent	11.0	8	Fair
	3	Carigeen	620701	586684	21.6	3	Good	6.4	11	Fair
Bandon	1	Caha	524600	557742	4.7	0	Poor	16.3	0	Good
	2	Keenrath Br	518701	557120	22.5	0	Good	3.5	0	Poor
Ownagappul	1	u/s Bunskellig	469147	554848	23.4	5	Good	8.6	7	Fair
	2	Ardgroom	469007	555081	6.0	6	Fair	6.0	5	Fair
Gearhameen	1	Gearhameen	488383	582123	10.0	0	Fair	0.0	0	Absent
	2	Owenreagh	487665	580626	6.0	3	Fair	1.0	2	Poor
Owenmore	1	Cloichearal	448855	607464	18.0	7	Good	0.0	3	Absent
	2	Cloichearal	448799	607327	20.8	9	Good	1.2	3	Poor
Cloon	1	d/s New Br	516324	656182	1.3	0	Poor	17.7	6	Good
	2	Croagh Br	516763	660592	0.0	0	Absent	24.0	6	Good
Owencarrow	1	Owencarrow Br	606227	925791	12.4	4	Fair	1.6	1	Poor
Glaskeelan	1	Glaskeelan Br	605179	917469	13.2	15	Fair	5.8	0	Fair
	2	Glaskeelan Br	605159	917555	17.9	12	Good	4.1	2	Poor
Leannan	1	Tully	607213	916996	38.4	12	Excellent	2.6	5	Poor
	2	u/s Barrack Br	609214	916154	22.0	2	Good	0.0	2	Absent

Table 1 Adjusted catches of juvenile salmonids in 5-minute electrofishings with density classification for salmon and trout at each site.

No. of 0+ salmon or trout	Classification
>25	Excellent
15 - 24	Good
5 - 14	Fair
1 - 4	Poor
0	Absent

Table 2 Density classification system for juvenile salmonids captured in 5-minute electrofishing.

Reference:

Crozier WW & Kennedy GJA (1995) Application of semi-quantitative electrofishing to juvenile salmonid stock surveys. *Journal of Fish Biology* 45, 159-164.

Photographs:



Plate 1 Cloon 1+ trout



Plate 2 Cloon 1+ trout



Plate 3 Owencarrow 1+ trout