

APPENDIX 8 - LOUGHS AGENCY FISHERIES DATA (2020-2024)

Loughs Agency provided electrofishing data (2020-2024) for sites throughout the River Finn, Deelee and River Foyle West catchments. Sites in proximity to the Donegal TEN-T PRIPD were examined in terms of juvenile salmonid data. The electrofishing sites are shown in Figures 1 to 3. Loughs Agency site codes are used as these are regular monitoring stations and can be used for future reference. Refer to Table 1, below, for a description of the Lough Agency fish monitoring sites in relation to Donegal TEN-T PRIPD aquatic ecology survey site locations.

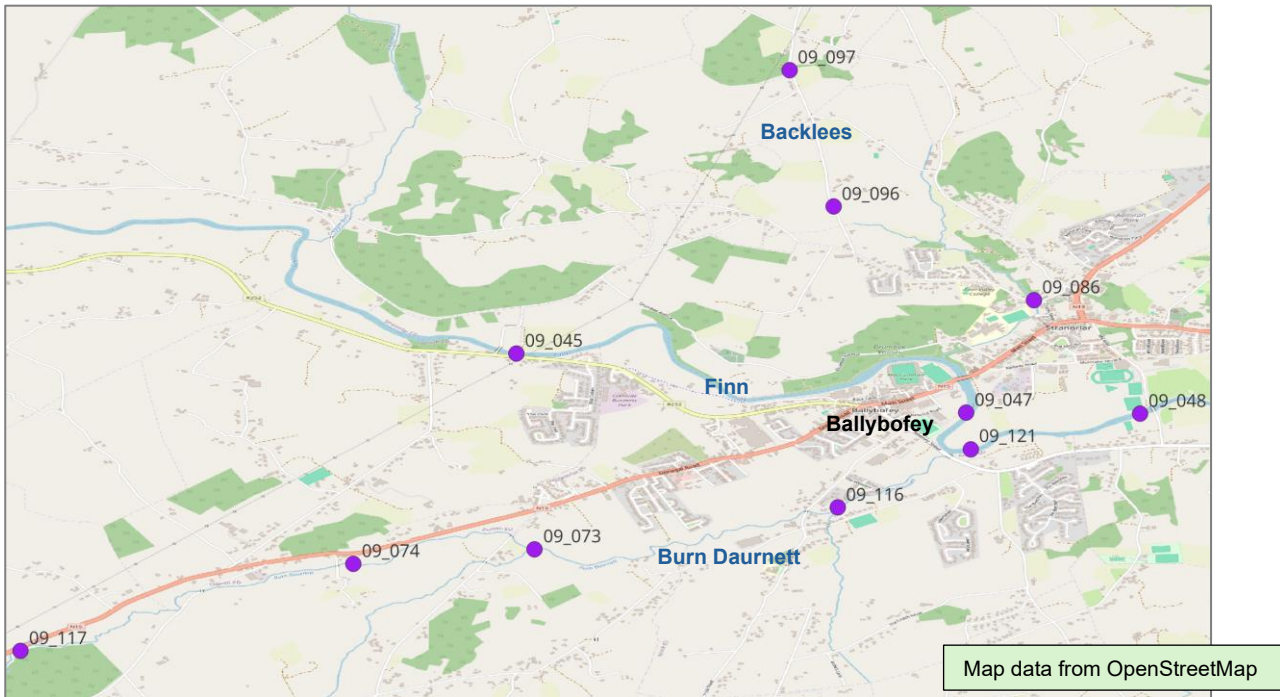


Figure 1: Section 1 Finn/Foyle Catchment Electrofishing Sites (South)

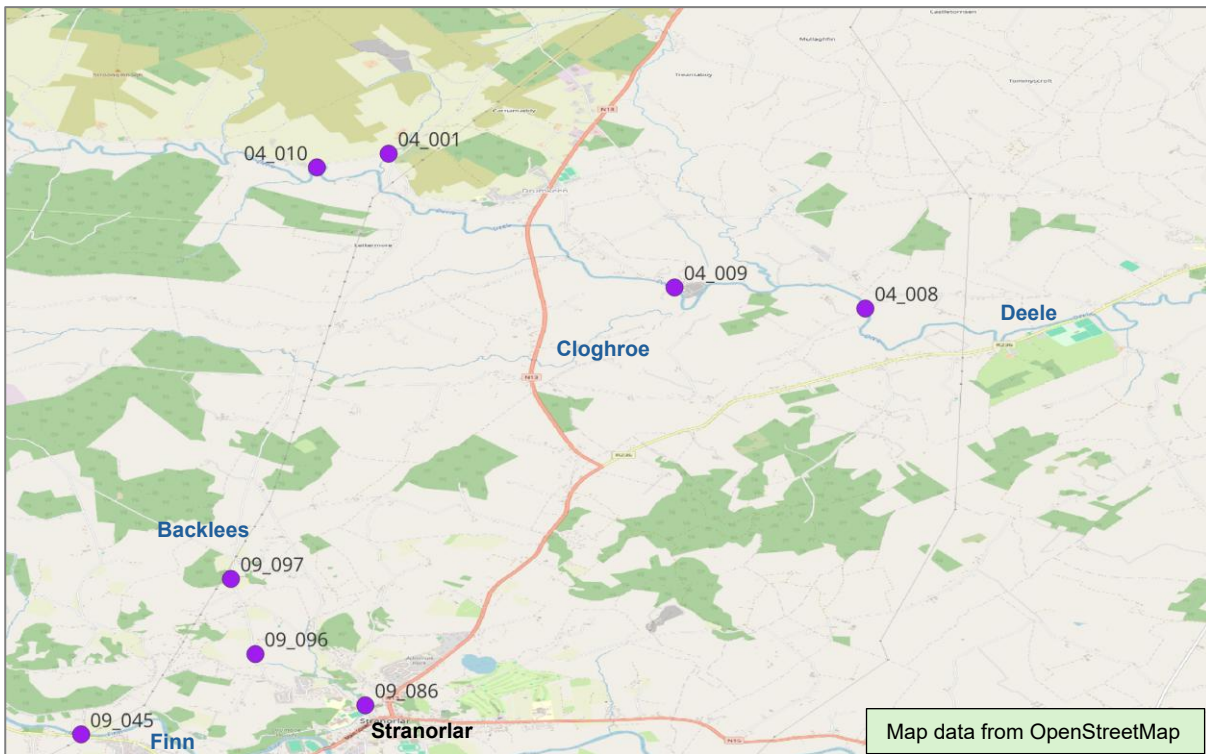


Figure 2: Section 1 Dee/Foyle Catchment Electrofishing Sites (North)

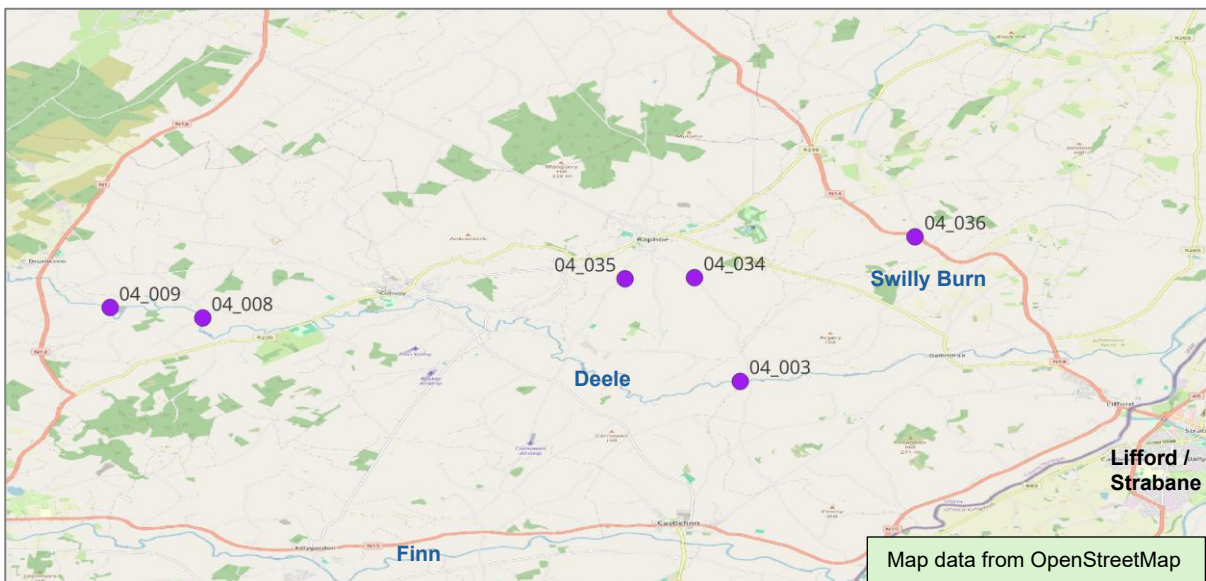


Figure 3: Section 3 Dee / Swilly Burn (Foyle) Catchment Electrofishing Sites

Table 1: Loughs Agency Electrofishing Data 2020 – 2024 (juvenile salmonid numbers)

Catchment	River	LA Site ID	Sample Year	Trout 0+	Trout 1+	Salmon 0+	Salmon 1+	Location notes (TEN-T)
River Foyle West	Swilly Burn Trib	04_036	2020	0	5	0	0	EPA name "Drumbeg": sampled 800m d/s W3-13
			2022	0	0	0	0	
			2024	1	0	0	0	
	Swilly Burn	04_034	2020	0	2	0	0	Swilly Burn main channel c.4.2km u/s W3-14
			2021	2	6	0	0	
			2022	0	2	0	0	
			2023	0	1	0	0	
			2024	6	4	0	0	
		04_035	2020	0	21	0	0	Swilly Burn main channel c.4.3km u/s W3-14
			2021	7	3	0	0	
			2022	0	2	0	0	
			2023	0	1	0	0	
			2024	9	1	0	0	
Deele	Deele	04_003	2021	14	7	12	18	Deele main channel 4.35km upstream Site W3-17 (Section 3)
			2022	11	9	17	9	
			2023	11	9	9	12	
			2024	24	11	32	16	
		04_008	2021	14	2	25	18	Deele main channel 1.8km d/s Cloghroe River confluence (3.6km d/s W1-14, Section 1)
			2022	8	15	12	16	
			2023	19	19	23	2	
			2024	22	19	32	19	
		04_009	2021	14	9	37	16	Deele main channel 350m u/s Cloghroe River confluence (Section 1)
			2022	27	18	53	24	
			2023	23	14	29	19	
			2024	36	22	59	36	
	Deele	04_010	2021	19	11	0	0	Deele main channel 4.75km u/s Cloghroe River confluence (demonstrates salmon absent in upper catchment)
			2022	16	11	0	0	
			2023	21	17	0	0	
			2024	39	18	0	0	
	Breen Burn (tributary of Deele)	04_001	2021	11	6	0	0	Small tributary of upper River Deele (demonstrate salmon absent in small upper catchment tributary)
			2022	4	6	0	0	
			2023	7	4	0	0	
			2024	14	9	0	0	
Finn	Finn	09_045	2021	9	11	33	14	River Finn main channel 1.5km d/s Ballybofey N15 bridge
			2022	4	10	8	14	
			2024	13	8	26	11	

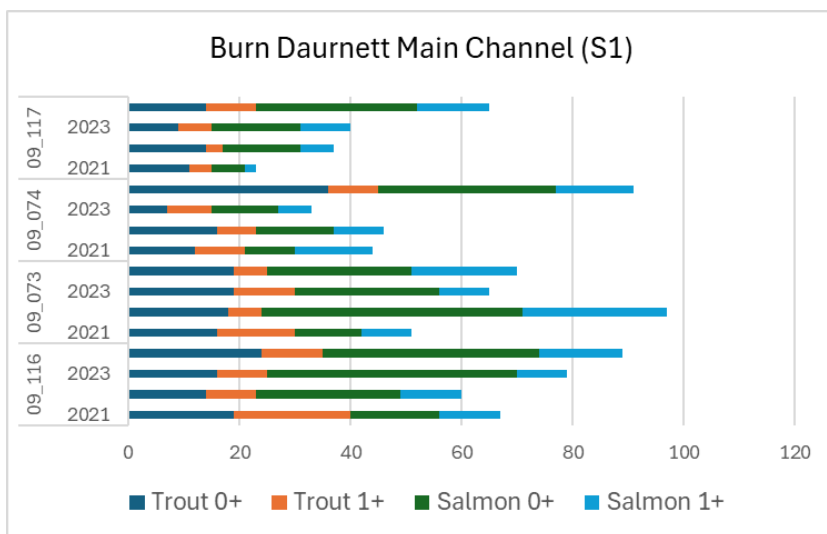
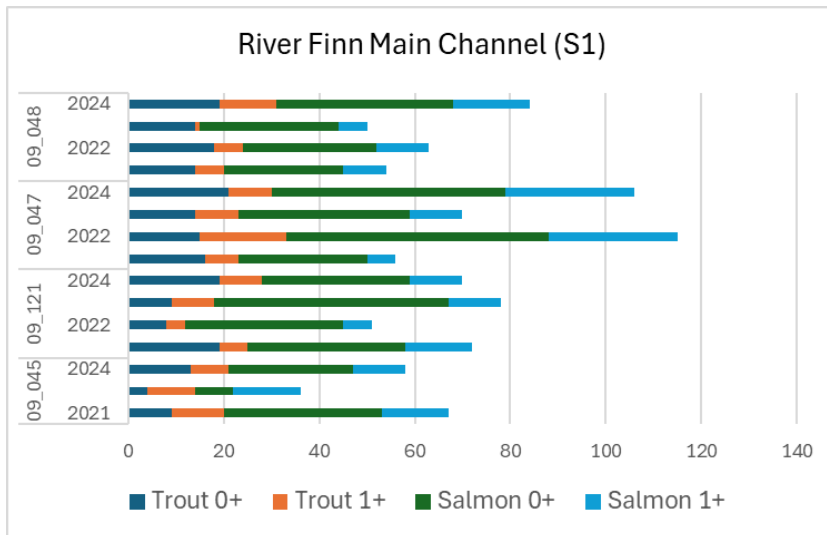
Catchment	River	LA Site ID	Sample Year	Trout 0+	Trout 1+	Salmon 0+	Salmon 1+	Location notes (TEN-T)
		09_121	2021	19	6	33	14	River Finn main channel c.650m d/s Ballybofey N15 bridge
			2022	8	4	33	6	
			2023	9	9	49	11	
			2024	19	9	31	11	
		09_047	2021	16	7	27	6	River Finn main channel c.250m d/s Ballybofey N15 bridge
			2022	15	18	55	27	
			2023	14	9	36	11	
			2024	21	9	49	27	
		09_048	2021	14	6	25	9	River Finn main channel c.2.5km u/s Ballybofey N15 bridge at site W1-06 (proposed bridge crossing reach)
			2022	18	6	28	11	
			2023	14	1	29	6	
			2024	19	12	37	16	
Finn	Burn Daurnett	09_116	2021	19	21	16	11	Burn Daurnett main channel c.640m u/s River Finn confluence
			2022	14	9	26	11	
			2023	16	9	45	9	
			2024	24	11	39	15	
		09_073	2021	16	14	12	9	Burn Daurnett main channel c.2.3km u/s River Finn confluence
			2022	18	6	47	26	
			2023	19	11	26	9	
			2024	19	6	26	19	
		09_074	2021	12	9	9	14	Burn Daurnett main channel c.3.3km u/s River Finn confluence (c.790m u/s W1-22)
			2022	16	7	14	9	
			2023	7	8	12	6	
			2024	36	9	32	14	
		09_117	2021	11	4	6	2	Burn Daurnett main channel c.5.1km u/s River Finn confluence (just d/s W1-02 confluence)
			2022	14	3	14	6	
			2023	9	6	16	9	
			2024	14	9	29	13	
Finn	Drumboe Burn	09_086	2021	11	9	14	7	EPA name "Backlees": c.1km d/s proposed bridge crossing (W1-08)
			2022	11	2	26	8	
			2023	19	6	29	1	
			2024	9	18	12	19	
		09_096	2021	4	1	0	0	Backlees stream: 120m u/s proposed bridge crossing point (W1-08) at link road tie in
			2022	1	3	0	0	
			2023	6	3	0	0	
			2024	5	2	0	0	
		09_097	2021	9	4	0	0	

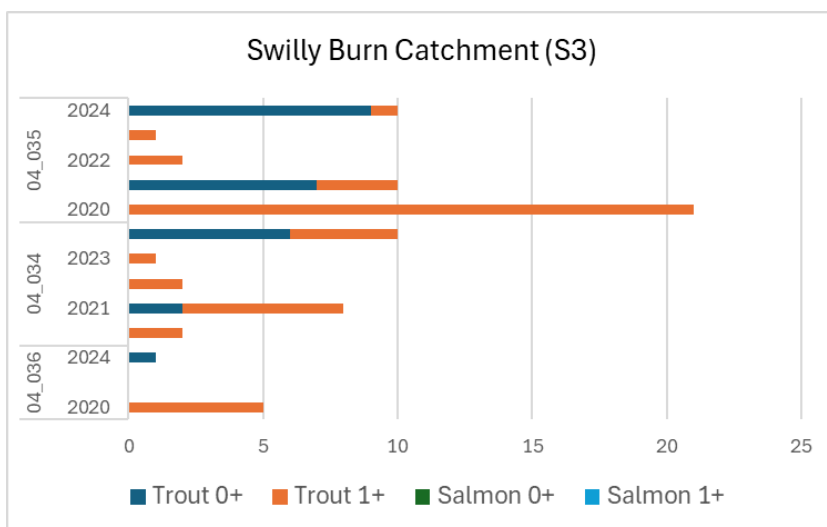
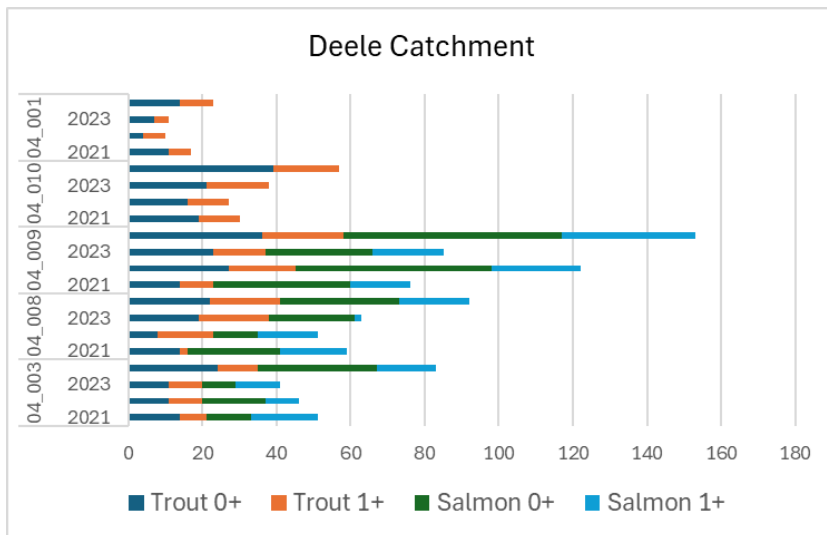
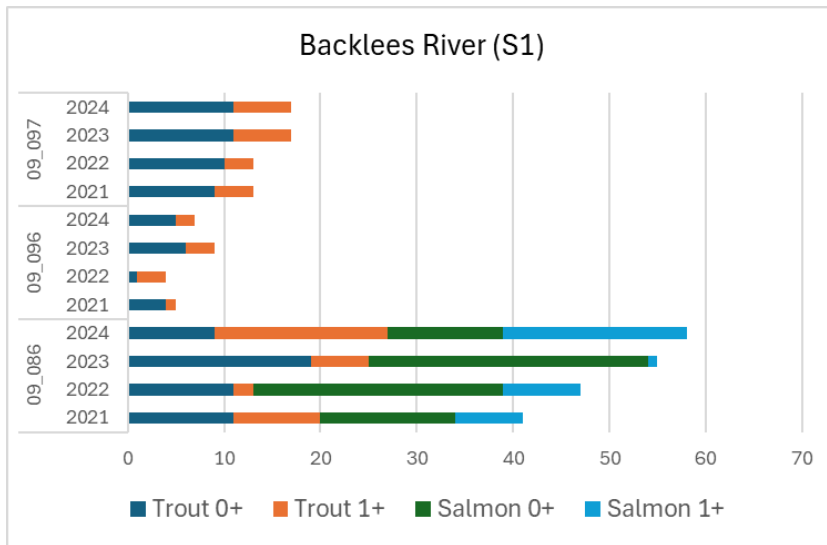
Catchment	River	LA Site ID	Sample Year	Trout 0+	Trout 1+	Salmon 0+	Salmon 1+	Location notes (TEN-T)
	Liskeran Burn		2022	10	3	0	0	Backlees stream: 1.4km u/s proposed bridge crossing point (W1-08) and 770m u/s W1-09
			2023	11	6	0	0	
			2024	11	6	0	0	

Table 2: Loughs Agency Juvenile Salmonid Abundance Descriptors (McCauley & Deehan, 2019)

	Poor	Poor/Mod	Fair	Good	Excellent
Salmon 0+	1 to 4	~	5 to 14	15 to 24	25+
Trout 0+	0-1	2 to 3	4 to 8	9 to 17	18+

Graphical representation of fisheries data from the above tables is set out in the following figures:





Loughs Agency provided composite redd count data for 2020-2024. Figures 4 and 5 show the location of redds in relation to the electrofishing sites for which data is presented above and with relevance to Sections 1 and 3 of the proposed development. It is noted that entire catchments can't be surveyed for salmon redds annually, therefore composite redd data has been used as an indicative layer for local distribution of spawning habitats, acknowledging that some spawning sites will be outside of the areas surveyed and identified.

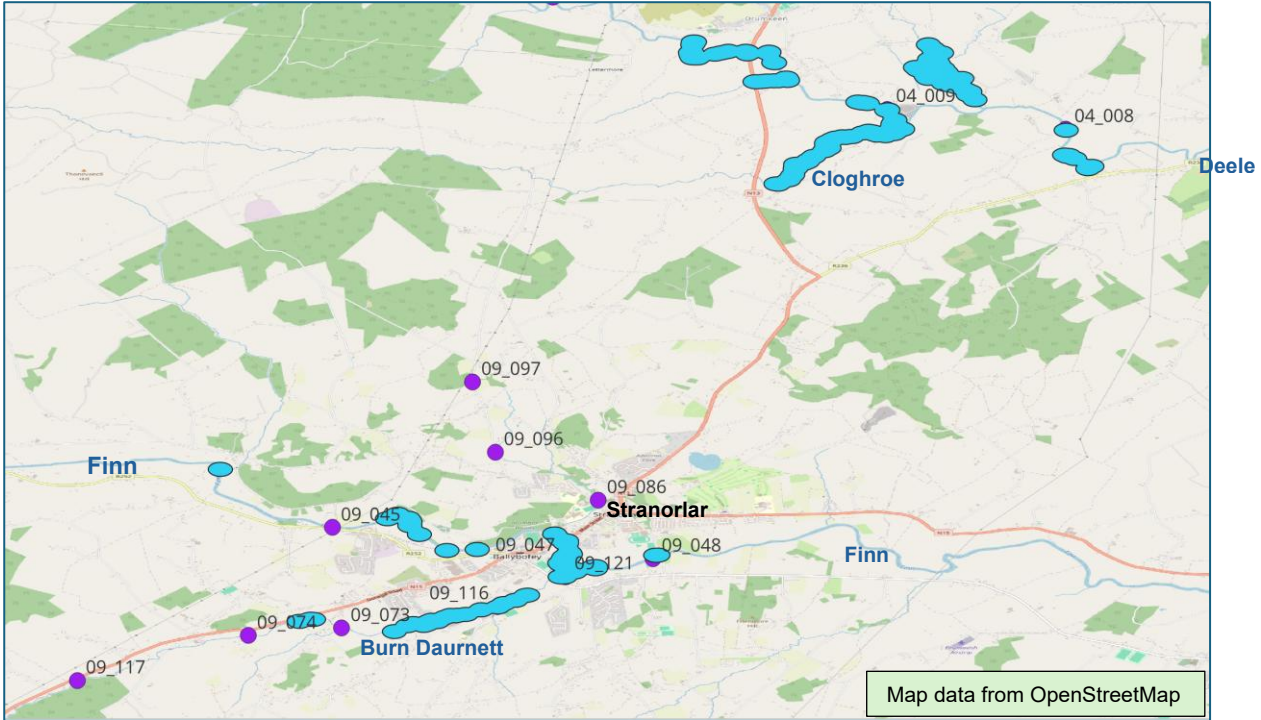


Figure 4: Section 1 Composite Redd Counts (Blue)

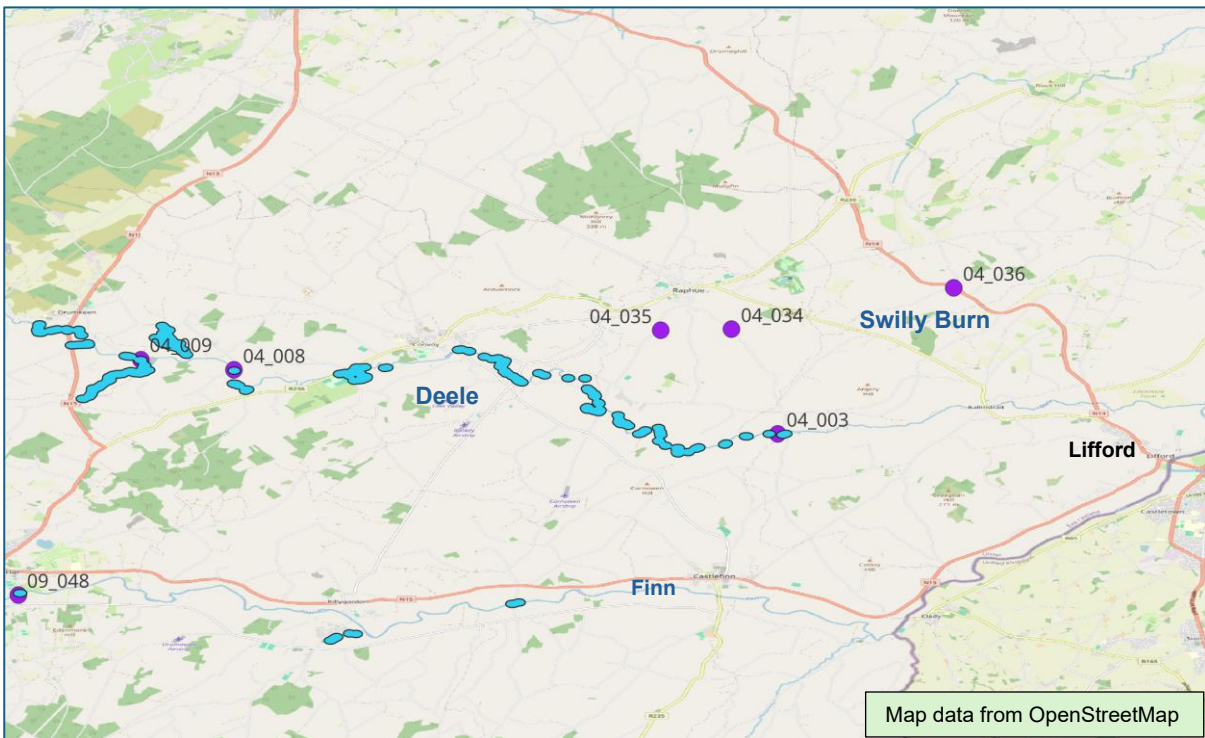


Figure 5: Section 3 Composite Redd Counts (Blue)

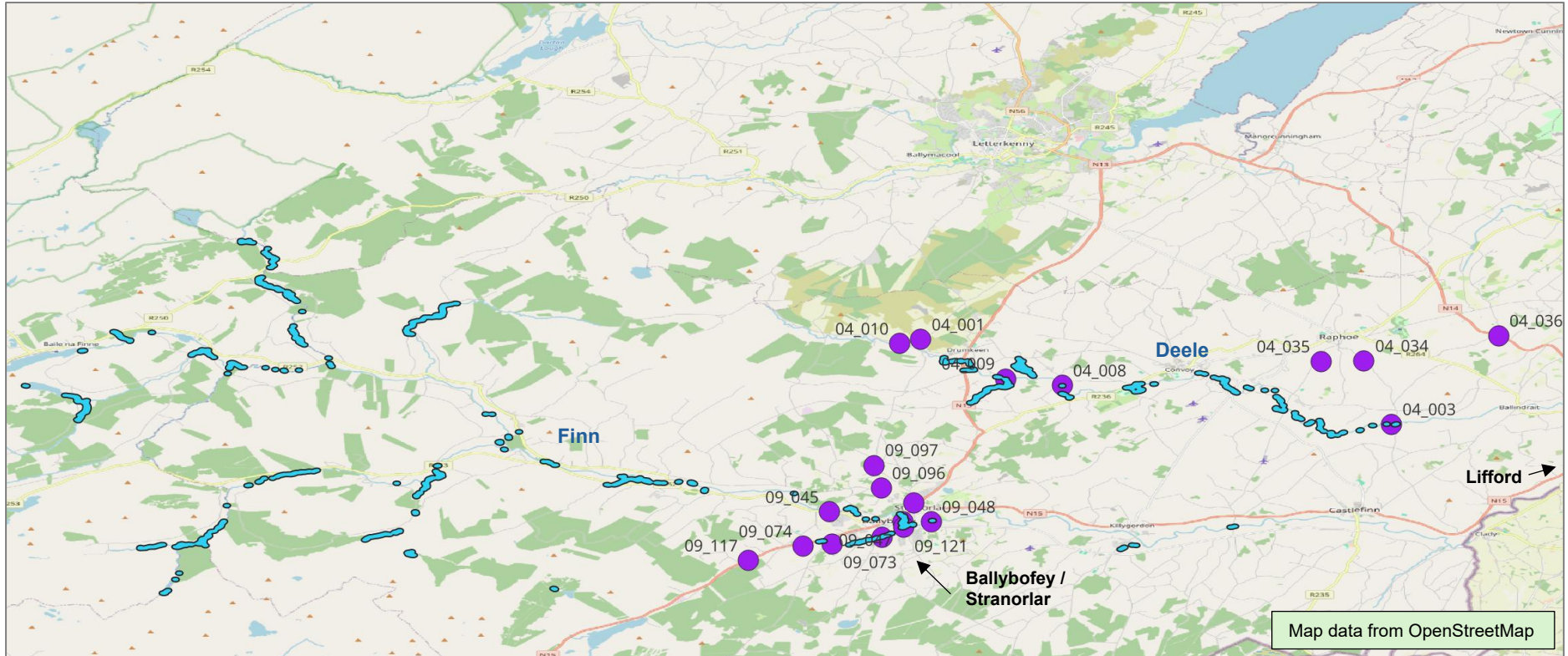


Figure 6: Overall Finn / Foyle Catchment Composite Redd Counts (Blue) Showing Distribution of Redds Extending into Upper Catchment Areas