

Supplementary material

Assessing water diversion impacts on the fish community size structure in headwater stream stretches

Hydrobiologia

Rosa Gurí^{1,2*}; Lluís Benejam², Marc Ordeix^{1,2}, Ignasi Arranz^{2,3}

(1) Center for the Study of Mediterranean Rivers - Universitat de Vic - Universitat Central de Catalunya, Museu del Ter, Plaça de les dones del Ter, 1, 08560 Manlleu, Catalonia (Spain).

(2) Aquatic Ecology Group - Universitat de Vic - Universitat Central de Catalunya, Carrer de la Laura, 13, 08500 Vic, Catalonia (Spain).

(3) Departamento de Biología y Geología, Física y Química Inorgánica, Universidad Rey Juan Carlos, Campus de Móstoles, 28933, Madrid (Spain).

(*) Corresponding author: rosa.guri@uvic.cat

Online resource 2. Characteristics of the sampled stream stretches, indicating the small hydropower plant where they were sampled, the type of sampled stretch (control or diverted), the location of the sampled stretch in relation to the weir, the altitude of the sampled stretch and the application of removal sampling method or not (successive electrofishing passes). In sites 1, 2, 3 and 5 there are additional sampling stretches: one control in site 1, one diverted in site 2, one diverted in site 3 and one control in site 5.

Site code (Small hydropower plant)	Type of sampled stretch	Location of the sampled stretch	Altitude (m.a.s.l)	Successive electrofishing passes (removal method)
1	Control	Upstream weir	1340	No
	Control	Upstream weir	1176	Yes
	Diverted	Downstream weir	1226	Yes
2	Diverted	Downstream weir	1173	Yes
	Diverted	Downstream weir	1030	Yes
	Control	Downstream weir	951	Yes
3	Control	Upstream weir	1112	Yes
	Diverted	Downstream weir	1100	Yes
	Diverted	Downstream weir	1050	Yes
4	Control	Upstream weir	1093	Yes
	Diverted	Downstream weir	1085	Yes
5	Control	Upstream weir	1010	Yes

	Diverted	Downstream weir	1004	Yes
	Control	Downstream weir	950	No
6	Diverted	Downstream weir	962	Yes
	Control	Downstream weir	940	Yes
7	Control	Upstream weir	951	Yes
	Diverted	Downstream weir	920	Yes
8	Diverted	Downstream weir	902	No
	Control	Downstream weir	900	No
9	Control	Upstream weir	860	No
	Diverted	Downstream weir	840	No
10	Control	Upstream weir	775	No
	Diverted	Downstream weir	758	No
11	Control	Upstream weir	740	No
	Diverted	Downstream weir	730	No
12	Diverted	Downstream weir	690	No
	Control	Downstream weir	680	No
13	Control	Upstream weir	640	No
	Diverted	Downstream weir	630	No
14	Diverted	Downstream weir	615	No
	Control	Downstream weir	610	No
15	Control	Upstream weir	570	No
	Diverted	Downstream weir	560	No
16	Control	Upstream weir	445	No
	Diverted	Downstream weir	420	No