

Supplementary Materials:

Table S1. Detailed Environmental Disturbance Score – EDS and F-MMIP-LR classification per site. Coordinate system: World Geodetic System 1984. LAT – Latitude, LNG – Longitude; Total P – Total Phosphorus; Total N – Total Nitrogen.

Site code	LAT	LNG	Agricultural land use	Artificial land use	Total P	Total N	Channel morphology	Flow regulation	EDS score	F-MMIP-LR
MI1	42.107	-8.297	2	1	1	1	2	3	10	0.775
MI2	42.080	-8.406	2	1	1	1	1	2	8	0.610
MI3	42.079	-8.496	2	1	1	2	3	2	11	0.480
MI4	42.051	-8.617	3	2	1	1	2	2	11	0.303
MI5	42.040	-8.643	3	2	1	3	3	2	14	0.498
MI6	42.018	-8.657	3	2	1	2	2	2	12	0.070
MI7	41.940	-8.750	3	2	1	1	3	2	12	0.258
TE1	39.479	-8.108	2	1	2	1	1	4	11	0.853
TE2	39.453	-8.187	2	1	2	2	2	4	13	0.018
TE3	39.477	-8.332	2	2	2	2	3	4	15	0.190
TE4	39.463	-8.382	2	1	1	2	1	4	11	0.405
TE5	39.302	-8.584	4	1	2	2	1	4	14	0.575
TE6	39.080	-8.756	4	1	2	2	2	2	13	0.348
TE7	39.049	-8.805	4	1	2	2	3	2	14	0.520
GU1	38.832	-7.084	4	2	2	3	2	1	14	0.160
GU2	38.106	-7.639	4	1	1	2	4	3	15	0.068
GU3	37.898	-7.646	4	1	1	4	3	2	15	0.025
GU4	37.720	-7.636	3	1	2	2	1	1	10	0.905
GU5	37.694	-7.654	3	1	1	2	3	2	12	0.273
GU6	37.647	-7.651	3	1	1	2	3	2	12	0.183
GU7	37.632	-7.665	3	1	2	2	1	1	10	0.900