

Environmental factors influencing downstream
migration of European eel (*Anguilla anguilla* L.)
in a free-flowing river system

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Supplemental information containing tables S1-S3.

Table S1 Overview of the characteristics of the capture and release of eels tagged in this study.

tag serial number	Capture date and time	Capture latitude	Capture longitude	Release date and time	Release latitude	Release longitude
1171748	02/10/2019 08:00	51.149272	51.149272	02/10/2019 13:00	51.144779	5.003906
1171749	02/10/2019 08:00	51.149272	51.149272	02/10/2019 13:00	51.144779	5.003906
1171750	02/10/2019 08:00	51.149272	51.149272	02/10/2019 13:00	51.144779	5.003906
1171751	02/10/2019 08:00	51.149272	51.149272	02/10/2019 13:00	51.144779	5.003906
1305787	02/10/2019 08:00	51.144938	51.144938	02/10/2019 13:00	51.144779	5.003906
1305788	02/10/2019 08:00	51.144938	51.144938	02/10/2019 13:00	51.144779	5.003906
1305789	02/10/2019 08:00	51.144938	51.144938	02/10/2019 13:00	51.144779	5.003906
1305790	02/10/2019 08:00	51.144938	51.144938	02/10/2019 13:00	51.144779	5.003906
1305791	02/10/2019 08:00	51.144938	51.144938	02/10/2019 13:00	51.144779	5.003906
1305792	02/10/2019 08:00	51.136875	51.136875	02/10/2019 13:00	51.144779	5.003906
1305793	02/10/2019 08:00	51.136875	51.136875	02/10/2019 13:00	51.144779	5.003906
1294154	02/10/2019 08:00	51.149272	51.149272	02/10/2019 13:00	51.144779	5.003906
1294155	02/10/2019 08:00	51.149272	51.149272	02/10/2019 13:00	51.144779	5.003906
1294156	02/10/2019 08:00	51.149272	51.149272	02/10/2019 13:00	51.144779	5.003906
1294157	02/10/2019 08:00	51.144938	51.144938	02/10/2019 13:00	51.144779	5.003906
1294158	02/10/2019 08:00	51.144938	51.144938	02/10/2019 13:00	51.144779	5.003906
1294159	02/10/2019 08:00	51.144938	51.144938	02/10/2019 13:00	51.144779	5.003906
1305786	03/10/2019 08:00	51.144938	51.144938	03/10/2019 12:00	51.144779	5.003906
1294160	03/10/2019 08:00	51.149272	51.149272	03/10/2019 12:00	51.144779	5.003906
1294161	03/10/2019 08:00	51.144938	51.144938	03/10/2019 12:00	51.144779	5.003906
1305785	08/10/2019 08:00	51.149272	51.149272	08/10/2019 09:00	51.144779	5.003906
1171746	09/10/2019 14:30	51.136875	51.136875	09/10/2019 17:30	51.144779	5.003906
1171747	09/10/2019 14:30	51.136875	51.136875	09/10/2019 17:30	51.144779	5.003906
1171753	09/10/2019 14:30	51.136875	51.136875	09/10/2019 17:30	51.144779	5.003906
1305784	10/10/2019 09:30	51.136875	51.136875	10/10/2019 11:30	51.144779	5.003906
1294162	10/10/2019 09:30	51.136875	51.136875	10/10/2019 11:30	51.144779	5.003906
1294164	08/10/2020 10:30	51.144779	51.144779	08/10/2020 11:00	51.144779	5.003906
1294168	09/10/2020 09:45	51.144779	51.144779	09/10/2020 10:15	51.144779	5.003906
1294172	14/10/2020 09:45	51.147663	51.147663	14/10/2020 10:30	51.139997	4.997392
1294171	14/10/2020 09:55	51.144938	51.144938	14/10/2020 10:30	51.139997	4.997392
1294166	09/12/2020 10:45	51.138881	51.138881	09/12/2020 11:10	51.138881	4.996931
1294169	16/12/2020 10:00	51.14942	51.14942	16/12/2020 12:30	51.144779	5.003906
1294170	16/12/2020 10:00	51.14942	51.14942	16/12/2020 12:30	51.144779	5.003906
1294167	16/12/2020 10:00	51.14942	51.14942	16/12/2020 12:30	51.144779	5.003906
1294165	16/12/2020 10:00	51.144938	51.144938	16/12/2020 12:30	51.144779	5.003906
1294189	16/12/2020 10:00	51.144938	51.144938	16/12/2020 12:30	51.144779	5.003906
1294190	16/12/2020 10:00	51.144938	51.144938	16/12/2020 12:30	51.144779	5.003906
1294191	18/12/2020 08:00	51.144938	51.144938	18/12/2020 10:35	51.144779	5.003906
1293822	18/12/2020 08:00	51.14942	51.14942	18/12/2020 10:35	51.144779	5.003906

Table S2 Overview of the characteristics of the eels tagged in this study.

tag serial number	total length (mm)	vertical eye diameter (mm)	horizontal eye diameter (mm)	pectoral fin length (mm)	weight (g)	sex	Durif stage
1171748	658	9.8	10.24	34.42	571	female	FV
1171749	655	8.44	9.82	35.94	513	female	FV
1171750	686	9.22	9.68	34.4	565	female	FV
1171751	770	7.28	7.76	32.56	825	female	FIII
1305787	555	7.76	8.46	29.24	362	female	FV
1305788	423	6.52	6.54	20.72	141	male	MII
1305789	578	7.58	8.5	29.3	335	female	FV
1305790	554	7.52	7.88	22.1	317	female	FIII
1305791	559	6.76	7.66	22.72	317	female	FIII
1305792	628	6.7	7.72	27.16	388	female	FIII
1305793	544	8.2	9.5	29.32	283	female	FV
1294154	727	9.3	10.5	30.78	722	female	FIII
1294155	798	9.14	11.28	37.28	855	female	FV
1294156	716	9.2	9.62	31.72	685	female	FIII
1294157	773	10	10.84	32.18	949	female	FIV
1294158	669	8.94	9.8	31.68	631	female	FV
1294159	779	9.38	10.1	40.18	872	female	FV
1305786	629	8.7	8.73	28.92	407	female	FV
1294160	778	10.67	11.55	44	834	female	FV
1294161	679	9.13	9.26	36.61	730	female	FV
1305785	660	8.46	9.58	35	385	female	FV
1171746	691	8.69	9.59	34.69	571	female	FV
1171747	641	6.61	7.08	30.33	459	female	FIII
1171753	635	9.19	9.77	35.63	462	female	FV
1305784	555	8.9	8.84	33.2	276	female	FV
1294162	786	11.35	12.54	41.98	874	female	FV
1294164	781	10.61	11.28	40.05	756	female	FV
1294168	736	7.05	7.8	37.75	705.6	female	FIII
1294172	666	7.63	8	29.75	502.2	female	FIII
1294171	647	8.56	9.08	32.55	464	female	FV
1294166	660	9.15	9.17	33.24	585.6	female	FV
1294169	780	7.7	7.89	37.76	825.1	female	FIII
1294170	688	10.1	10.04	37.57	637.2	female	FV
1294167	795	10.63	11.89	43.77	1074.5	female	FIV
1294165	688	9.12	10	30.16	557	female	FV
1294189	642	8.9	8.95	33.29	524	female	FV
1294190	649	10.06	10.71	33.59	509.1	female	FV
1294191	686	7.27	7.68	28.41	514.6	female	FIII
1293822	705	9.66	9.69	32.72	609.3	female	FV

Table S3 Overview of the models and specifications of the transmitters used in this study.

Brand	Model	Battery life (days)	Size dimensions (length x diameter; mm)	Weight (g)
Innovasea	V13-1L	507 - 1582	36 x 13	11
Innovasea	V13P-1X	301	24 x 13	11.3
Innovasea	V13AP-1X	183	39 x 13	10.7