

## Supplementary material

### Tracking anguillid eels: five decades of telemetry-based research

*Mélanie Béguer-Pon*<sup>A,B,G</sup>, *Julian J. Dodson*<sup>A</sup>, *Martin Castonguay*<sup>C</sup>, *Don Jellyman*<sup>D</sup>,  
*Kim Aarestrup*<sup>E</sup> and *Katsumi Tsukamoto*<sup>F</sup>

<sup>A</sup>Département de Biologie, Université Laval, Pavillon Vachon,  
1045 Avenue de la Médecine, Université Laval, Québec, QC, G1V 0A6, Canada.

<sup>B</sup>Department of Biology, Dalhousie University, PO Box 15000,  
Halifax, NS, B3H 4R2, Canada.

<sup>C</sup>Institut Maurice-Lamontagne, Fisheries and Oceans Canada, 850 Route de la Mer,  
C.P. 1000, Mont-Joli, QC, G5H 3Z4, Canada.

<sup>D</sup>National Institute of Water and Atmospheric Research, PO Box 8602, Riccarton,  
Christchurch 8440, New Zealand.

<sup>E</sup>Technical University of Denmark, National Institute of Aquatic Resources, Vejlshøvej 39,  
DK-8600 Silkeborg, Denmark.

<sup>F</sup>Department of Marine Science and Resources, Nihon University, Kameino 1866,  
Fujisawa, Kanagawa 252-0880, Japan.

<sup>G</sup>Corresponding author. Email: [melanie.beguer@gmail.com](mailto:melanie.beguer@gmail.com)

**Table S1. Review of studies that tracked eels and published between 1974 and 2016**

‘S’ stands for ‘Silver’, ‘Y’ for ‘Yellow’, ‘F’ for ‘Females’ and *n* is the number of tagged individuals. Studies are ranked by species and first author

Study ID	Reference	Species name	Stage	Sex	Water body	Technology	<i>n</i>	Research type
1	Aarestrup <i>et al.</i> 2008	<i>A. anguilla</i>	S	F	River–Fjord	Acoustic, Passive	18	Fundamental
2	Aarestrup <i>et al.</i> 2009	<i>A. anguilla</i>	S	F	Sea	Satellite	22	Fundamental
3	Aarestrup <i>et al.</i> 2010	<i>A. anguilla</i>	S	F	River–Fjord	Acoustic, Passive	50	Fundamental & Applied
4	Amilhat <i>et al.</i> 2016	<i>A. anguilla</i>	S	F	Sea	Satellite	8	Fundamental
5	Andersson <i>et al.</i> 2012	<i>A. anguilla</i>	S	NA	Sea	Acoustic, Active & Passive	237	Applied
6	Baras <i>et al.</i> 1998	<i>A. anguilla</i>	Y	F?	River	Radio, Passive	7	Fundamental
7	Barry <i>et al.</i> 2016a	<i>A. anguilla</i>	S	M	River, Estuary & Sea lough	Acoustic, Passive	20	Fundamental
8	Barry <i>et al.</i> 2016b	<i>A. anguilla</i>	Y	NA	Lake	Acoustic, Passive	20	Fundamental
9	Behrmann-Godel and Eckmann 2003	<i>A. anguilla</i>	S	F?	River	Acoustic, Active	9	Applied
10	Besson <i>et al.</i> 2016	<i>A. anguilla</i>	S	F	River	Acoustic, Passive	20	Fundamental & Applied
11	Breukelaar <i>et al.</i> 2009	<i>A. anguilla</i>	S	F	River–Delta	Radio, Passive	457	Fundamental & Applied
12	Brujjs <i>et al.</i> 2009	<i>A. anguilla</i>	S	NA	River Delta	Radio Passive	150	Applied
13	Bultel <i>et al.</i> 2014	<i>A. anguilla</i>	S	F	River–Estuary	Acoustic, Passive	51	Fundamental
14	Calles <i>et al.</i> 2010	<i>A. anguilla</i>	S	F	River	Radio, Active & Passive	121	Applied
15	Calles <i>et al.</i> 2012	<i>A. anguilla</i>	S	F	River	Radio, Active & Passive	55	Applied
16	Calles <i>et al.</i> 2013	<i>A. anguilla</i>	S	F	River	Radio, Active & Passive	40	Applied
17	Cucherousset <i>et al.</i> 2011	<i>A. anguilla</i>	Y	NA	River	PIT telemetry, Active	60	Fundamental
18	Davidsen <i>et al.</i> 2011	<i>A. anguilla</i>	S	NA	River–Fjord	Acoustic, Passive	32	Fundamental
19	Dębowski <i>et al.</i> 2016	<i>A. anguilla</i>	S	F	River	Acoustic & PIT, Passive	49	Applied
20	Durif <i>et al.</i> 2003	<i>A. anguilla</i>	S	F	River	Radio, Active & Passive	16	Applied
21	Fricke and Kaese 1995	<i>A. anguilla</i>	S	F	Sea	Acoustic, Active	2	Fundamental
22	Gosset <i>et al.</i> 2005	<i>A. anguilla</i>	S	NA	River	Radio, Active & Passive	74	Applied
23	Huisman <i>et al.</i> 2016	<i>A. anguilla</i>	S	F	River Estuary Sea	Acoustic, Passive	358	Fundamental
24	Jansen <i>et al.</i> 2007	<i>A. anguilla</i>	S	NA	River–Delta	Radio, Passive	300	Applied
25	Klein Breteler <i>et al.</i> 2007	<i>A. anguilla</i>	S	F	River–Delta	Radio, Passive	307	Fundamental & Applied
26	LaBar <i>et al.</i> 1987	<i>A. anguilla</i>	Y	NA	Lake	Radio, Active	7	Fundamental

Study ID	Reference	Species name	Stage	Sex	Water body	Technology	<i>n</i>	Research type
27	Le Pichon <i>et al.</i> 2015	<i>A. anguilla</i>	Y	NA	River	Acoustic, Passive	21	Fundamental
28	Marohn <i>et al.</i> 2014	<i>A. anguilla</i>	S	F	River	Acoustic, Passive	36	Fundamental & Applied
29	McCarthy <i>et al.</i> 2014	<i>A. anguilla</i>	S	F?	River–Estuary–Sea	Acoustic, Passive	90	Fundamental & Applied
30	McCleave and Arnold 1999	<i>A. anguilla</i>	Y&S	F	Sea	Acoustic, Active	18	Fundamental
31	McGovern and McCarthy 1992	<i>A. anguilla</i>	Y	NA	River	Acoustic, Active	6	Fundamental
32	Nyman 1975	<i>A. anguilla</i>	S&Y	NA	River, Bay	Acoustic, Active	9	Applied
33	Ovidio <i>et al.</i> 2013	<i>A. anguilla</i>	Y	F?	River	Radio, Active	12	Fundamental
34	Pedersen <i>et al.</i> 2012	<i>A. anguilla</i>	S	F	River	Acoustic, Passive	45	Applied
35	Piper <i>et al.</i> 2013	<i>A. anguilla</i>	S	F	River & Estuary	Acoustic, PIT telemetry, Active & Passive	69	Applied
36	Piper <i>et al.</i> 2015	<i>A. anguilla</i>	S	F	River	Acoustic, PIT Telemetry, Passive	25	Fundamental & Applied
37	Piper <i>et al.</i> 2017	<i>A. anguilla</i>	S	F	River	Acoustic, PIT Telemetry, Passive	40	Applied
38	Righton <i>et al.</i> 2016	<i>A. anguilla</i>	S	F	Sea	Satellite + DST	707	Fundamental
39	Simon <i>et al.</i> 2012	<i>A. anguilla</i>	S	F	River	Acoustic, Passive	99	Fundamental
40	Stein <i>et al.</i> 2016	<i>A. anguilla</i>	S	F	River	Acoustic, Passive	399	Fundamental
41	Tesch 1972	<i>A. anguilla</i>	S	F	Estuary Sea	Acoustic, Active	6	Fundamental
42	Tesch 1974	<i>A. anguilla</i>	S&Y	NA	Sea	Acoustic, Active	11	Fundamental
43	Tesch 1975	<i>A. anguilla</i>	Y	NA	Sea	Acoustic, Active	4	Fundamental
44	Tesch 1978a	<i>A. anguilla</i>	S	F	Sea	Acoustic, Active	12	Fundamental
45	Tesch 1978b	<i>A. anguilla</i>	S	F	Sea	Acoustic, Active	5	Fundamental
46	Tesch 1979	<i>A. anguilla</i>	S	F	Sea	Acoustic, Active	12	Fundamental
47	Tesch 1989	<i>A. anguilla</i>	S	F	Sea	Acoustic, Active	16	Fundamental
48	Tesch 1992	<i>A. anguilla</i>	S	F	Sea	Acoustic, Active	3	Fundamental
49	Travade <i>et al.</i> 2010	<i>A. anguilla</i>	S	F	River	Radio, Active & Passive	116	Applied
50	van Ginneken <i>et al.</i> 2005	<i>A. anguilla</i>	Y	F	Pond	PIT telemetry, Passive	40	Fundamental
51	Verbiest <i>et al.</i> 2012	<i>A. anguilla</i>	S	F	River & Estuary	Radio, Active & Passive	31	Fundamental
52	Wahlberg <i>et al.</i> 2014	<i>A. anguilla</i>	S	F	Sea	Satellite, DST	3	Fundamental
53	Walker <i>et al.</i> 2014	<i>A. anguilla</i>	Y	NA	River & Estuary	Acoustic, Passive	14	Fundamental & Applied
54	Westerberg 1979	<i>A. anguilla</i>	S	F	Sea	Acoustic, Active	3	Fundamental
55	Westerberg 1984	<i>A. anguilla</i>	S	NA	Lake	Acoustic, Active	1	Fundamental

Study ID	Reference	Species name	Stage	Sex	Water body	Technology	<i>n</i>	Research type
56	Westerberg and Lagenfelt 2008	<i>A. anguilla</i>	S	F?	Sea	Acoustic, Passive	60	Fundamental & Applied
57	Westerberg <i>et al.</i> 2014	<i>A. anguilla</i>	S	F	Fjord & Sea	Acoustic, Satellite, e-DST, i-DST, Passive	99	Fundamental & Applied
58	Westin and Nyman 1979	<i>A. anguilla</i>	S	NA	Sea	Acoustic, Active	6	Fundamental
59	Winter <i>et al.</i> 2006	<i>A. anguilla</i>	S	F	River–Delta	Radio, Passive	300	Applied
60	Winter <i>et al.</i> 2007	<i>A. anguilla</i>	S	F	River–Delta	Radio, Passive	300	Applied
61	Wright <i>et al.</i> 2015	<i>A. anguilla</i>	S	NA	River Estuary	PIT Telemetry, Passive	118	Applied
62	Wysujack <i>et al.</i> 2015	<i>A. anguilla</i>	S	F	Sea	Satellite	16	Fundamental
63	Boubée and Williams 2006	<i>A. australis</i>	S	F	River	PIT telemetry, Passive	181	Applied
64	Crook <i>et al.</i> 2014	<i>A. australis</i>	Y&S	NA	River–Estuary	Acoustic, Active & Passive	97	Fundamental
65	Jellyman and Crow 2016	<i>A. australis</i>	Y	NA	Lake	Radio, Passive	5	Fundamental
66	Jellyman <i>et al.</i> 1996	<i>A. australis</i>	Y	NA	Lake	Acoustic, Active	20	Fundamental
67	Brown <i>et al.</i> 2007	<i>A. australis</i> & <i>A. dieffenbachii</i>	S	NA	River	Acoustic & Radio, Passive	21	Applied
68	Jellyman and Sykes 2003	<i>A. australis</i> & <i>A. dieffenbachii</i>	Y	NA	River	Radio, Active	21	Fundamental & Applied
69	Watene <i>et al.</i> 2003	<i>A. australis</i> & <i>A. dieffenbachii</i>	S	NA	River	Acoustic, Active & Passive	17	Fundamental & Applied
70	Watanabe <i>et al.</i> 2016	<i>A. celebesensis</i> & <i>A. marmorata</i>	S	NA	Lake	Radio, Archival tags	7	Fundamental
71	Boubée <i>et al.</i> 2003	<i>A. dieffenbachii</i>	S	NA	River	Acoustic, Active	5	Applied
72	Boubée <i>et al.</i> 2008	<i>A. dieffenbachii</i>	S	F	Lake	Acoustic, Passive	31	Applied
73	Jellyman and Tsukamoto 2010	<i>A. dieffenbachii</i>	S	F	Sea	Satellite	3	Fundamental
74	Jellyman and Tsukamoto 2002	<i>A. dieffenbachii</i>	S	F	Sea	Satellite	4	Fundamental
75	Jellyman and Tsukamoto 2005	<i>A. dieffenbachii</i>	S	F	Sea	Satellite	10	Fundamental
76	McEwan and Joy 2011	<i>A. dieffenbachii</i>	Y	NA	River	PIT telemetry, Active	9	Methodology
77	Aoyama <i>et al.</i> 1999	<i>A. japonica</i>	S	F	Sea	Acoustic, Active	5	Fundamental
78	Aoyama <i>et al.</i> 2002	<i>A. japonica</i>	Y&S	NA	Estuary	Acoustic, Active	7	Fundamental
79	Chow <i>et al.</i> 2015	<i>A. japonica</i>	S	F	Sea	Acoustic, Active	16	Fundamental
80	Manabe <i>et al.</i> 2011	<i>A. japonica</i>	S	F?	Sea	Satellite	9	Fundamental
81	Schabetsberger <i>et al.</i> 2015	<i>A. marmorata</i> & <i>A. megastoma</i>	S	NA	Sea	Satellite	9	Fundamental
82	Schabetsberger <i>et al.</i> 2013	<i>A. marmorata</i> , <i>A. megastoma</i> & <i>A. obscura</i>	S	NA	Sea	Satellite	7	Fundamental

Study ID	Reference	Species name	Stage	Sex	Water body	Technology	<i>n</i>	Research type
83	Barbin 1998	<i>A. rostrata</i>	Y	NA	Estuary	Acoustic, Active	16	Fundamental
84	Barbin <i>et al.</i> 1998	<i>A. rostrata</i>	S	NA	Estuary	Acoustic, Active	17	Fundamental
85	Béguer-Pon <i>et al.</i> 2012	<i>A. rostrata</i>	S	F	Gulf (Sea)	Satellite	8	Fundamental
86	Béguer-Pon <i>et al.</i> 2014	<i>A. rostrata</i>	S	F	River–Estuary	Acoustic, Passive	180	Fundamental
87	Béguer-Pon <i>et al.</i> 2015a	<i>A. rostrata</i>	S	F	Sea	Satellite	38	Fundamental
88	Béguer-Pon <i>et al.</i> 2015b	<i>A. rostrata</i>	Y	NA	River–Estuary	Acoustic, Passive	67	Fundamental
89	Bradford <i>et al.</i> 2009	<i>A. rostrata</i>	S	F	River–Estuary–Bay	Acoustic, Passive	20	Fundamental
90	Brown <i>et al.</i> 2009	<i>A. rostrata</i>	S	F	River	Acoustic, Radio, PIT, Passive	20	Fundamental & Applied
91	Carr and Whoriskey 2008	<i>A. rostrata</i>	S	F	River–Estuary–Bay	Acoustic, Active & Passive	45	Applied
92	Dutil <i>et al.</i> 1988	<i>A. rostrata</i>	Y	NA	River–Estuary	Acoustic, Active	14	Fundamental
93	Eyler <i>et al.</i> 2016	<i>A. rostrata</i>	S&Y	NA	River	Radio, Passive	145	Fundamental & Applied
94	Hammond 2003	<i>A. rostrata</i>	Y	NA	River	Radio, Active	20	Fundamental
95	Haro and Castro-Santos. 2000	<i>A. rostrata</i>	S	F	River	Acoustic & Radio, Passive & Active	25	Fundamental & Applied
96	Hedger <i>et al.</i> 2010	<i>A. rostrata</i>	Y	NA	River–Estuary–Bay	Acoustic, Passive	50	Fundamental
97	Helfman <i>et al.</i> 1983	<i>A. rostrata</i>	Y	NA	Creek	Acoustic, Active	8	Fundamental
98	LaBar and Facey 1983	<i>A. rostrata</i>	Y	NA	Lake	Radio, Active	16	Fundamental
99	Lamothe <i>et al.</i> 2000	<i>A. rostrata</i>	Y	NA	Pond	Radio, Active	20	Fundamental
100	McGrath <i>et al.</i> 2003	<i>A. rostrata</i>	S	F	River	Acoustic, Active & Passive	10	Applied
101	Parker 1995	<i>A. rostrata</i>	Y	NA	Estuary	Acoustic, Active	21	Fundamental
102	Parker and McCleave 1997	<i>A. rostrata</i>	Y&S	NA	Estuary	Acoustic, Active	20	Fundamental
103	Stasko and Rommel 1974	<i>A. rostrata</i>	S	F	Bay	Acoustic, Active	5	Fundamental
104	Strickland 2002	<i>A. rostrata</i>	Y	NA	River	Radio, Active	33	Fundamental
105	Thibault <i>et al.</i> 2007	<i>A. rostrata</i>	Y	NA	River & Estuary	Acoustic, Active & Passive	40	Fundamental

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