

Supplementary material

Detection and monitoring of riverine dragonfly of community interest (Insecta: Odonata): proposal for a standardised protocol based on exuviae collection

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Table S1. Location and sampling dates of the ninety-eight transects. GPS points are provided in WGS84 geographic format.

		Upstream transect coordinates		Downstream transect coordinates		1rst sampling	2nd sampling	3rd sampling
Rivers	Transects	X	Y	X	Y			
Lot	1	1,852288	44,484364	1,851262	44,483985	10/07/2015	31/07/2015	20/08/2015
	2	1,82356	44,4767	1,82239	44,47643	08/07/2015	30/07/2015	20/08/2015
	3	1,801197	44,47885	1,799676	44,480023	08/07/2015	30/07/2015	20/08/2015
	4	1,843621	44,463459	1,842547	44,463129	08/07/2015	31/07/2015	20/08/2015
	5	2,885247	44,501829	2,884543	44,502527	14/07/2015	06/08/2015	26/08/2015
	6	2,865387	44,507594	2,86484	44,508298	10/07/2015	06/08/2015	26/08/2015
	7	2,820838	44,510007	2,820008	44,51077	14/07/2015	06/08/2015	24/08/2015
	8	2,9323	44,470868	2,931227	44,471036	14/07/2015	06/08/2015	26/08/2015
	9	2,65134	44,56942	2,65033	44,56997	10/07/2015	05/08/2015	25/08/2015
	10	2,6017	44,60645	2,60127	44,60728	10/07/2015	05/08/2015	25/08/2015
	11	2,676146	44,551174	2,675272	44,551869	13/07/2015	07/08/2015	25/08/2015
	12	2,66549	44,55066	2,66516	44,55161	10/07/2015	05/08/2015	25/08/2015
	13	2,61215	44,603046	2,613047	44,603327	13/07/2015	05/08/2015	25/08/2015
	14	1,289381	44,490182	1,288303	44,489372	09/07/2015	29/07/2015	20/08/2015
	15	1,281145	44,482519	1,279864	44,483471	07/07/2015	29/07/2015	19/08/2015
	16	1,353503	44,48435	1,352507	44,48471	09/07/2015	30/07/2015	20/08/2015
	17	1,307622	44,491516	1,306759	44,490784	09/07/2015	29/07/2015	19/08/2015
	18	1,296572	44,468971	1,296557	44,467995	07/07/2015	29/07/2015	19/08/2015
	19	0,733736	44,403794	0,732304	44,403224	06/07/2015	28/07/2015	19/08/2015
	20	0,711226	44,401052	0,710608	44,401448	06/07/2015	28/07/2015	17/08/2015
	21	0,849887	44,423401	0,849011	44,422849	07/07/2015	28/07/2015	19/08/2015
	22	0,775257	44,394343	0,774528	44,394944	06/07/2015	28/07/2015	19/08/2015
Tarn	1	2,38385	43,94225	2,38287	43,94178	17/06/2015	17/07/2015	28/07/2015
	2	2,37612	43,94428	2,37498	43,94393	17/06/2015	17/07/2015	29/07/2015
	3	2,40003	43,93348	2,39905	43,93287	17/06/2015	18/07/2015	29/07/2015

	4	2,37656	43,94962	2,37708	43,94888	17/06/2015	17/07/2015	29/07/2015
	5	2,2451	43,93732	2,24453	43,93818	29/06/2015	16/07/2015	28/07/2015
	6	2,23228	43,95035	2,23122	43,95063	30/06/2015	16/07/2015	28/07/2015
	7	2,2895	43,93547	2,28942	43,93427	29/06/2015	16/07/2015	28/07/2015
	8	2,627632	43,992139	2,627608	43,993039	09/06/2015	20/07/2015	11/08/2015
	9	2,62236	43,99709	2,62153	43,99774	18/06/2015	20/07/2015	11/08/2015
	10	2,66798	43,99088	2,6687	43,98895	18/06/2015	21/07/2015	11/08/2015
	11	2,5309	43,9868	2,53073	43,98498	09/06/2015	21/07/2015	11/08/2015
	12	2,52345	43,97358	2,52368	43,97257	19/06/2015	21/07/2015	12/08/2015
	13	2,60948	44,0072	2,60877	44,00783	19/06/2015	20/07/2015	12/08/2015
	14	2,55877	43,99505	2,55765	43,9954	19/06/2015	21/07/2015	12/08/2015
	15	2,7336	44,03665	2,73253	44,03595	23/06/2015	24/07/2015	10/08/2015
	16	2,71378	44,01378	2,71398	44,01303	23/06/2015	24/07/2015	11/08/2015
	17	2,748	44,0459	2,74702	44,04532	24/06/2015	23/07/2015	10/08/2015
	18	1,81492	43,85663	1,81452	43,85575	24/06/2015	09/07/2015	27/07/2015
	19	1,81812	43,84123	1,81688	43,8408	24/06/2015	09/07/2015	27/07/2015
	20	1,83718	43,86883	1,83598	43,86878	30/06/2015	15/07/2015	28/07/2015
	21	2,81802	44,06812	2,81902	44,06815	18/06/2015	23/07/2015	10/08/2015
	22	2,9121	44,07352	2,9132	44,074	18/06/2015	23/07/2015	10/08/2015
	23	2,89447	44,05185	2,89243	44,05222	18/06/2015	23/07/2015	10/08/2015
	24	1,73882	43,82638	1,73797	43,8272	25/06/2015	15/07/2015	27/07/2015
	25	1,72507	43,81772	1,7258	43,81717	25/06/2015	15/07/2015	27/07/2015
	26	1,69517	43,79757	1,69475	43,79685	26/06/2015	15/07/2015	27/07/2015
Dourdou de Camarès	1	2,70028	43,9857	2,69932	43,98612	24/06/2015	24/07/2015	11/08/2015

Table S2. Details of survey durations on the different rivers (average, standard deviation, maximum duration and minimum duration).

Average duration of exuvia collection over 100m transects												
	1st sampling				2nd sampling				3rd sampling			
	Mean	Sd	Max	Min	Mean	Sd	Max	Min	Mean	Sd	Max	Min
Lot (N=44)	01:08:57	00:25:52	02:06:00	00:29:00	00:49:15	00:15:47	01:37:00	00:28:00	00:35:23	00:09:34	01:03:00	00:18:00
Tarn (N=52)	01:12:18	00:25:38	02:11:00	00:30:00	00:53:02	00:14:15	01:23:00	00:28:00	00:34:15	00:11:54	01:07:00	00:14:00
Dourdou de Camarès (N=2)	01:20:30	00:33:14	01:44:00	00:57:00	00:54:00	00:04:15	00:57:00	00:51:00	00:48:30	00:14:51	00:59:00	00:38:00