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Supplementary Materials

In Neotropical savannas, altitude affects the diversity of the Anisoptera but not the Zygoptera (Insecta: Odonata)

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Table S1. Geographic location, altitude and habitat visited in Meta Department, Colombia

Municipality	Coordinates		Altitude (m asl)	Lentic habitat area classification (m^2)	Stream habitat width classification (m)
	N	W			
				1600	10
Acacías	3.98500	-73.76056	471	Pisciculture pond	First order
					10
	3.94603	-73.58458	471		Second order
				11400	
	3.98750	-73.75667	582	Pisciculture pond	
					12
Castilla La Nueva	3.82639	-73.68722	350		Second order
				3000	13
Cumaral	4.14528	-73.24168	225	Cattle raising	Second order
				7511	12
	4.18627	-73.40599	320	Pisciculture pond	Second order
					14
	4.19131	-73.39083	325		Second order
				9005	13.5 m
	4.19825	-73.18513	351	Cattle raising	Second order
				1569	13
	4.21312	-73.41715	332	Wetland	Second order
					17
	4.23774	-73.27478	243		Second order
					12.6
	4.27361	-73.48556	452		Second order
				1176	20
	4.29064	-73.52509	474	Pisciculture pond	First order
				200	9
	4.17775	-73.64692	550	Temporal pond	Second order
				18438	
Granada	3.54694	-73.71222	343	Cattle raising	
	3.47354	-73.71416		453	
			321	Cattle raising	
				7500 Pisciculture	10
Guamal	3.89643	-73.72216	492	pond	First order
				18000	18
	3.93097	-73.77226	550	Pisciculture pond	Second order
				284	10
Macarena	3.34215	-73.94107	418	Pisciculture pond	Second order
					10
					First order
	2.25317	-73.84731	400		
					18
Puerto Gaitán	4.02417	-71.12417	207		First order
				5000	30
	4.13580	-72.15675	164	Wetland	First order
				20000	
	4.56667	-71.33333	150	Pond near to crop	
					10
Puerto López	4.08333	-72.96667	178		Second order
				11200	10
	4.10000	-72.90000	270	Pond near to crop	First order
				5600	16
	4.06028	-73.16833	206	Pond near to crop	Second order
				8326	20
	4.10173	-73.05718	186	Pond near to crop	Second order
	4.17003	-72.72128	215	18996	20

				Pond near to crop	First order
				9000	
Restrepo	4.29340	-73.56782	570	Pond near to crop	
					12
	4.15566	-73.30648	247		First order
				300	20
	4.19349	-73.44423	397	Pisciculture pond	First order
				465	10
	4.26167	-73.56361	570	Pisciculture pond	Second order
				1500 Pisciculture	
	4.26731	-73.56817	570	pond	
				12272	10
San Juan de Arama	3.37000	-73.87417	467	Wetland	Second order
				3670	
	3.19003	-73.50589	255	Wetland	
				514	
	3.31299	-73.90947	410	Wetland	
				898	12
	3.34588	-73.98909	500	Wetland	Second order
					15
	3.34611	-73.93810	550		Second order
					25
	3.34628	-73.88926	433		Second order
				4641 Pisciculture	
	3.34663	-73.98376	584	pond	
					10
	3.36103	-73.94643	472		First order
San Luis de					11
Cubarral	3.81122	-73.86999	800		First order
					11
	3.76917	-73.83861	535		Second order
				797	
	3.80427	-73.83498	562	Cattle raising	
				1242 Pisciculture	3
	3.81114	-73.83098	558	pond	First order
				1322	10
San Martín	3.66500	-73.57306	332	Pond near to crop	First order
				2800	14
Villavicencio	4.13500	-73.59417	445	Pond near to crop	First order
					11
	4.04861	-73.60500	399		First order
				12317 Pisciculture	2
	4.22278	-73.63833	594	pond	First order
				4733	
	4.15000	-73.63333	450	Pond near to crop	
					10
	4.16667	-73.65000	450		First order
				3886 Pisciculture	10
	4.17833	-73.65056	450	pond	Second order
				30	3
	4.17944	-73.65639	525	Temporal pond	Second order
				200	3
	4.06194	-73.46917	324	Temporal pond	Second order
				220	10
	4.07599	-73.70387	476	Temporal pond	Second order
				410	
	4.07972	-73.46111	643	Temporal pond	
					10
	4.08333	-73.57417	353		Second order
	4.11720	-73.64389	450	300	10

				Temporal pond	Second order
				360	
		-73.62417	450	Temporal pond	
					10
	4.15333	-73.63500	510		Second order
				390	10
	4.16740	-73.69280	640	Temporal pond	Second order
				450	
	4.17500	-73.67806	500	Wetland	
				320	10
	4.17778	-73.62639	593	Pisciculture pond	Second order
	4.20667	-73.58639	514		5 First order
					8
Vista Hermosa	3.12583	-73.75056	380		First order

Table S2. Vouchers for Specimens Reviewed in this Study from northwest of Meta Department, Colombia

Collection	Vouchers
Instituto de Ciencias Naturales-ICN, Universidad Nacional de Colombia	ICN 013191-013197, 018259, 018260, 018773-018776, 019478, 019481, 019484, 019486, 019508-019512, 019611-019613, 019622-019625, 020362-020368, 020371-020373, 020816-020820, 020944-020946, 021287-021289, 021294, 021295, 021880-021885, 021890-021895, 023897-023903, 023907-023922, 024273-024275, 024153-024159, 024162-024166, 024171-024179, 024215-024217, 028389-028399, 028405-028408, 028481-028483, 028498-028501, 028567-028575, 031274, 031283, 033323, 033324, 033330, 033336, 033340, 033346, 033347, 031987, 040332, 040336, 041556, 041557, 041562, 042230, 042235-042237, 042270, 042279, 042319, 042335, 042342, 042389, 042410, 042416, 042445-042462, 042474, 042488, 042501-042504, 042540-042545, 042550, 054492-054494, 054525, 054532, 054539, 054557
Entomologic Collection Universidad de Los Andes (ANDES)	E2961-2964, E3557, E3801, E3802, E4012-4092, E4126-4133, E4365-4414

Table S3. List and abundance of Odonata species from Meta, Colombia

A: altitude (m ASL), LO: lotic habitat; LE: lentic habitat; T: Total of individuals. *Found in one locality; +Found in two localities.

		A	LO	LE	T
	ZYGOPTERA				
	PERILESTIDAE				
1	*Perilestes kahli* Williamson & Williamson, 1924*	535	11	0	11
	LESTIDAE				
2	*Lestes forficula* Rambur, 1842*	580	0	2	2
	CALOPTERYGIDAE				
3	*Hetaerina caja dominula* Hagen in Selys, 1853	400-593	37	0	37
4	*H. occisa* Hagen *in* Selys, 1853	200-494	28	0	28
	DICTERIADIDAE				
5	*Heliocharis amazona* Selys, 1853*	200	10	0	10
	HETERAGRIONIDAE				
6	*Heteragrion breweri* De Marmels, 1989	200-550	30	0	30
	MEGAPODAGRIONIDAE				
7	*Teinopodagrion caquetanum* De Marmels, 2001+	450-594	5	0	5
	POLYTHORIDAE				
8	*Polythore procera* (Selys, 1869)	353-594	111	0	111
	INCERTAE SEDIS				
9	*Mesagrion leucorrhinum* Selys, 1885+	400-525	24	0	24
	COENAGRIONIDAE				
10	*Acanthagrion abunae* Leonard, 1977	400-580	5	3	8
11	*A. adustum* Williamson, 1916+	450	3	3	6
12	*A. apicale* Selys, 1876	280-593	15	8	23
13	*A. ascendens* Calvert, 1909	400-445	1	12	13
14	*A. cuyabae* Calvert, 1909	400-580	3	4	7
15	*A. floridense* Fraser, 1946	400-445	1	12	13
16	*A. lancea* Selys, 1876*	445	0	2	2
17	*A. minutum* Leonard, 1977*	445	0	2	2
18	*A. obsoletum* (Förster, 1914)	233-593	11	1	12
19	*A. vidua* Selys, 1876	445-590	5	0	5
20	*Acanthallagma caeruleum* Williamson & Williamson, 1924+	450	1	3	4
21	*Argia dives* Förster, 1914	400-550	7	6	13
22	*A. oculata* Hagen *in* Selys, 1865+	450-594	13	0	13
23	*A. pulla* Hagen *in* Selys, 1865	200-594	81	37	118
24	*A. translata* Hagen *in* Selys, 1865	200-593	16	3	19
25	*Epipleoneura metallica* Rácenis, 1955	200-593	69	0	69
26	*Homeoura chelifera* (Selys, 1876)*	445	0	5	5
27	*Ischnura capreolus* (Hagen, 1861)	200-580	118	85	203
28	*I. ramburii* (Selys, 1850)	200-550	72	69	141

29	*Mecistogaster ornata ornata* Rambur, 1842*	450	0	3	3
30	*Neoneura sylvatica* Hagen *in* Selys, 1886+	450-500	64	0	64
31	*Psaironeura angeloi* Tennessen, 2016*	420	7	0	7
32	*Telebasis corallina* (Selys, 1876)+	400	7	7	14
	ANISOPTERA				
	AESHNIDAE				
33	*Anax amazili* (Burmeister, 1839)	215-400	0	3	3
34	*A. concolor* Brauer, 1865	215-400	0	3	3
35	*Coryphaeschna adnexa* (Hagen, 1861)	200-515	4	5	9
36	*C. viriditas* Calvert, 1952+	400-500	1	1	2
37	*Gynacantha membranalis* Karsch, 1891	200-515	6	6	12
38	*G. nervosa* Rambur, 1842	215-800	2	5	7
39	*Rhionaeschna marchali* (Rambur, 1842)	800	4	1	5
40	*R. planaltica* (Calvert, 1952)*	800	0	1	1
41	*Staurophlebia reticulata* (Burmeister, 1839)	215-550	3	2	5
42	*Triacanthagyna septima* (Selys *in* Sagra, 1857)*	550	0	2	2
	GOMPHIDAE				
43	*Aphylla molossus* Selys, 1869+	400-500	2	1	3
	LIBELLULIDAE				
44	*Anatya guttata* (Erichson, 1848)	150-550	15	19	34
45	*Brachymesia furcata* (Hagen, 1861)	320-450	0	3	3
46	*B. herbida* (Gundlach, 1889)	200-550	61	59	120
47	*Cannaphila vibex* (Hagen, 1861)	150-445	0	7	7
48	*Dasythemis esmeralda* Ris, 1910	400-500	3	1	4
49	*Diastatops intensa* Montgomery, 1940	200-550	8	37	45
50	*D. obscura* (Fabricius, 1775)	200-550	6	30	36
51	*Dythemis nigra* Martin, 1897	200-580	56	65	121
52	*D. sterilis sterilis* Hagen, 1861	200-550	19	48	67
53	*Elasmothemis cannacrioides* (Calvert, 1906)	215-500	1	4	5
54	*Erythemis haematogastra* (Burmeister, 1839)	200-400	6	8	14
55	*E. peruviana* (Rambur, 1842)	200-580	15	85	100
56	*E. vesiculosa* (Fabricius, 1775)	150-800	77	163	240
57	*Erythrodiplax abjecta* (Rambur, 1842)	800	7	5	12
58	*E. attenuata* (Kirby, 1889)	215-580	2	7	9
59	*E. basalis* (Kirby, 1897)	200-800	44	31	75
60	*E. castanea* (Burmeister, 1839)	215-800	13	43	56
61	*E. famula* (Erichson, 1848)	215-800	2	20	22
62	*E. fervida* (Erichson, 1848)	200-800	26	76	102
63	*E. fusca* (Rambur, 1842)	200-800	90	129	219
64	*E. kimminsi* Borror, 1942	200-800	25	36	61
65	*E. umbrata* (Linnaeus, 1758)	150-800	936	603	1539
66	*E. unimaculata* (De Geer, 1773)	200-515	20	33	53
67	*E. venusta* (Kirby, 1897)*	445	0	1	1
68	*Fylgia amazonica* De Marmels, 1989	215-550	8	19	27

69	*Gynothemis pumila* (Karsch, 1890)	215-550	2	14	16
70	*Libellula herculea* Karsch, 1889	320-558	2	7	9
71	*Macrothemis hemichlora* (Burmeister, 1839)	320-550	2	11	13
72	*M. imitans* Ris, 1913	400-445	1	3	4
73	*M. inacuta* Calvert, 1898	215-400	0	3	3
74	*M. musiva* Calvert, 1898+	320-558	0	3	3
75	*Miathyria marcella* (Selys *in* Sagra, 1857)	150-580	555	322	877
76	*Micrathyria ocellata* Martin, 1897	320-558	2	7	9
77	*M. tibialis* Kirby, 1897	200-550	7	38	45
78	*Nephepeltia phryne* (Perty, 1834)	400-550	6	7	13
79	*Oligoclada heliophila* Borror, 1931	215-400	0	15	15
80	*O. umbricola* Borror, 1931+	215-320	1	2	3
81	*Orthemis aequilibris* Calvert, 1909	215-450	6	15	21
82	*O. cultriformis* Calvert, 1899	215-580	10	11	21
83	*O. discolor* (Burmeister, 1839)	200-800	240	221	461
84	*Pantala flavescens* (Fabricius, 1798)	200-580	651	436	1087
85	*P. hymenaea* (Say, 1840)	200-580	33	23	56
86	*Perithemis domitia* (Drury, 1773)	215-445	3	12	15
87	*P. electra* Ris, 1930+	445-550	6	2	8
88	*P. lais* (Perty, 1834)	215-500	6	45	51
89	*P. mooma* Kirby, 1889	200-515	61	104	165
90	*P. thais* Kirby, 1889	215-500	6	45	51
91	*Planiplax phoenicura* Ris, 1912	215-445	0	28	28
92	*Rhodopygia cardinalis* (Erichson, 1848)	150-800	6	38	44
93	*Tholymis citrina* Hagen, 1867	200-515	6	8	14
94	*Tramea abdominalis* (Rambur, 1842)	150-400	3	10	13
95	*T. binotata* (Rambur, 1842)	150-800	4	13	17
96	*T. calverti* Muttkowski, 1910	200-570	9	16	25
97	*T. rustica* De Marmels & Rácenis, 1982+	280-500	3	0	3
98	*Uracis fastigiata* (Burmeister, 1839)	215-400	1	13	14
99	*U. imbuta* (Burmeister, 1839)	150-800	869	927	1796
100	*Zenithoptera fasciata* (Linnaeus, 1758)	150-558	19	15	34
	Total number of individuals		4737	4243	8980