

S1 Table: Summary of mosquito species captured: Diversity, distribution and abundance per locality.

Mosquito genus	Mosquito species	Localities (trap nights)								Total number of mosquitoes per species	Mean M/T/N
		Bokle (10)		Garoua (13)		Lagdo (14)		Pitoea (15)			
		No.	M/T/N	No.	M/T/N	No.	M/T/N	No.	M/T/N		
<i>Aedes</i>	<i>Ae aegypti</i>	12	0.6	51	1.96	3	0.11	54	1.80	120	1.12
	<i>Ae albopictus</i>	4	0.2	22	0.85	3	0.11	3	0.10	32	0.31
	<i>Ae circumluteolus</i>	0	0	19	0.73	14	0.50	0	0.00	33	0.31
	<i>Ae dalzieli</i>	4	0.2	25	0.96	19	0.68	10	0.33	58	0.54
	<i>Ae fowleri</i>	5	0.25	22	0.85	36	1.29	31	1.03	94	0.85
	<i>Ae mcintoshi</i>	42	2.1	0	0	0	0.00		0.00	42	0.53
	<i>Ae mucidus</i>	0	0	0	0	5	0.18	15	0.50	20	0.17
	<i>Ae ochraceus</i>	6	0.3	7	0.27	32	1.14	18	0.60	63	0.58
	<i>Ae vittatus</i>	35	1.75	33	1.27	4	0.14	8	0.27	80	0.86
	TOTAL <i>Aedes</i>	108	0.6	179	0.76	116	0.46	139	0.51	542	0.59
<i>Anopheles</i>	<i>An. wellcomei</i>	0	0	0	0	0	0.00	3	0.10	3	0.03
	<i>An coustani</i>	0	0	0	0	27	0.96	3	0.10	30	0.27
	<i>An funestus</i>	12	0.6	6	0.23	13	0.46	2	0.07	33	0.34
	<i>An gambiae</i>	7	0.35	50	1.92	66	2.36	96	3.20	219	1.96
	<i>An maculipalpis</i>	30	1.5	0	0	0	0.00	54	1.80	84	0.83
	<i>An nili</i>	3	0.15		0	9	0.32	0	0.00	12	0.12
	<i>An pharoensis</i>	18	0.9	5	0.19	63	2.25	29	0.97	115	1.08
	<i>An rufipes</i>	20	1	17	0.65	26	0.93	0	0.00	63	0.65
	<i>An squamosus</i>	3	0.15	0	0	0	0.00	84	2.80	87	0.74
	<i>An ziemanni</i>	3	0.15	0	0	16	0.57	10	0.33	29	0.26
<i>An spp.</i>	6	0.3	10	0.38	13	0.46	10	0.33	39	0.37	
TOTAL <i>Anopheles</i>	102	0.46	88	0.31	233	0.76	291	0.88	714	0.60	
<i>Culex</i>	<i>Cx antennatus</i>	232	11.6	950	36.54	1450	51.79	1400	46.67	4032	36.65
	<i>Cx bitaeniorhynchus</i>	41	2.05	34	1.31	0	0.00	19	0.63	94	1.00
	<i>Cx cinereus</i>	0	0	0	0	0	0.00	60	2.00	60	0.50
	<i>Cx decens</i>	328	16.4	138	5.31	4	0.14	212	7.07	682	7.23
	<i>Cx ethiopicus</i>	33	1.65	5	0.19	0	0.00	18	0.60	56	0.61
	<i>Cx neavei</i>	107	5.35	26	1	24	0.86	623	20.77	780	6.99
	<i>Cx perfuscus</i>	113	5.65	141	5.42	44	1.57	217	7.23	515	4.97
	<i>Cx poicilipes</i>	6	0.3	17	0.65	451	16.11	108	3.60	582	5.17
	<i>Cx quinquefasciatus</i>	102	5.1	3331	128.12	38	1.36	1673	55.77	5144	47.58
	<i>Cx univittatus</i>	161	8.05	95	3.7	18	0.64	77	2.57	351	3.73
<i>Cx spp.</i>	6	0.3	0	0	0	0.00	0	0.00	6	0.08	
TOTAL <i>Culex</i>	1129	5.13	4737	16.56	2029	6.59	4407	13.35	12 302	10.41	
<i>Mansonia</i>	<i>Ma africana</i>	2359	117.95	1091	42.0	3416	122.00	2654	88.47	9520	92.59
	<i>Ma uniformis</i>	671	33.55	196	7.54	3483	124.39	420	14.00	4770	44.87
	<i>Ma spp.</i>	3	0.15		0	0	0.00		0.00	3	0.04
TOTAL <i>Mansonia</i>	3033	50.55	1287	16.5	6899	82.13	3074	34.16	14 293	45.83	
Number of mosquitoes per locality		4372	14.19	6291	8.53	9277	22.48	7911	12.23	27 851	14.36

No: Number of mosquitoes caught; M/T/N: Average number of mosquitoes collected per trap night (mosquitoes/trap/night).