Table 5 Range of physicochemical parameters supportive of culicine mosquito larvae breeding in rock pools on inselbergs in Kaduna State, Nigeria

Species	Physicochemical parameters												
	Depth (cm)	Surface area (m^2)	Temp (°C)	pH	TDS (ppm)	EC (µs/cm)	TSS (mg/l)	HARD (mg/l)	COD (mg/l)	PO_4^{-3} (mg/l)	NO^{-3} (mg/l)	ALKA (mg/l)	TURB (mg/l)
Ae. vittatus	0.4-41 (5.9 ±0.35)^{a}	1.5-1970 (60.7 ±8.6)^{a}	23.3-36.5	7.05-12.69 (10.9±0.1)^{ab}	0.0-276 (57.6±10.9)^{ab}	0.0-572 (117.7±21.5)^{ab}	10-130 (51.9±9.2)^{a}	30.3-545.4 (176.5±26.9)^{a}	80-480 (257.6±23.2)^{a}	0.16-12.50 (2.63±0.79)^{a}	8.5-74.70 (23.79±3.88)^{a}	2.0-111.0 (27.43±5.57)^{ab}	2.3-92.4 (24.9±5.4)^{a}
Cx. albiventris	1.1-41 (15.8 ±12.7)^{a}	45-88 (67 ±12.4)^{a}	26.6-32	9.87-11.42 (10.7 ±0.5)^{abc}	122^{ab}	210^{ab}	ND	ND	ND	ND	ND	ND	ND
Cx. horridus	5.2^{a}	88^{a}	26.8	9.87^{c}	122^{a}	210^{a}	ND	ND	ND	ND	ND	ND	ND
Cx. macfiei	3.2-14 (7.14 ±1.61)^{a}	10.6-1970 (340.1 ±272.7)^{a}	22.8-33.4	10.32-12.19 (11.2 ±0.3)^{ab}	0^{b}	0^{b}	20^{a}	70.7^{a}	300^{a}	0.39^{a}	9.5^{a}	12^{b}	1.97^{a}
Cx. perfidiosus	2-65 (17 ±6.1)^{a}	10.9-120 (57.5 ±12.7)^{a}	24.7-35	7.54-11.88 (10.3±0.4)^{bc}	41-99 (68.7±16.8)^{ab}	84- 198 (136.3±33.2)^{a}	60-150 (105±45)^{a}	70-404 (237±167)^{a}	0-420 (375±45)^{a}	6.2-11.1 (8.7±2.5)^{a}	52.70-109.4 (81.1±28.4)^{a}	33.3-50 (41.5±8.5)^{a}	17-178 (97.5±80.5)^{a}
Cx. p. pipiens	1-28 (7.7 ±2.4)^{a}	6-345 (70 ±28.1)^{a}	26.6- 36.1	7.05-12.01 (10.4±0.4)^{bc}	23-113 (78.3±30)^{a}	51- 198 (121.7±42.5)^{ab}	10-150 (80±70)^{a}	373.7- 404 (388.9±15.2)^{a}	100-420 (260±160)^{a}	0.66- 11.10 (5.88±5.2)^{a}	16.90-109.4 (63.2±46.3)^{a}	15-50 (32.5±17.5)^{a}	22.5-178 (100.3±77.8)^{a}
Cx. simpsoni	20.5^{a}	23.5^{a}	31.8	10.07^{c}	99^{a}	198^{a}	150^{a}	404^{a}	420^{a}	11.1^{a}	109.4^{a}	50^{a}	178^{a}
Cx. tigripes	15^{a}	10.1^{a}	33.7	11.43^{a}	0^{b}	0^{b}	ND	ND	ND	ND	ND	ND	ND
P value	0.156ns	0.522ns		0.018*	0.008**	0 .008**	0 .268ns	0 .099ns	0 .196ns	0 .238ns	0 .082ns	0.008**	0.181ns

Note: Values in the table are mean±standard error of the means. Means followed by the same superscript letter are not significantly different at p>0.05, ND means Not determined. ns - not significant. * - significant. ** - highly significant. TDS – Total Dissolved Solid, EC – Electrical Conductivity, TSS – Total suspended solid, TURB – Turbidity, HARD – Hardness. COD – Chemical Oxygen Demand. PO_4^{-3}- Phosphate, NO^{-3} - Nitrate, ALKA – Alkalinity