

Supplementary Material

Evaluation of the use of drones to monitor a diverse crocodylian assemblage in West Africa

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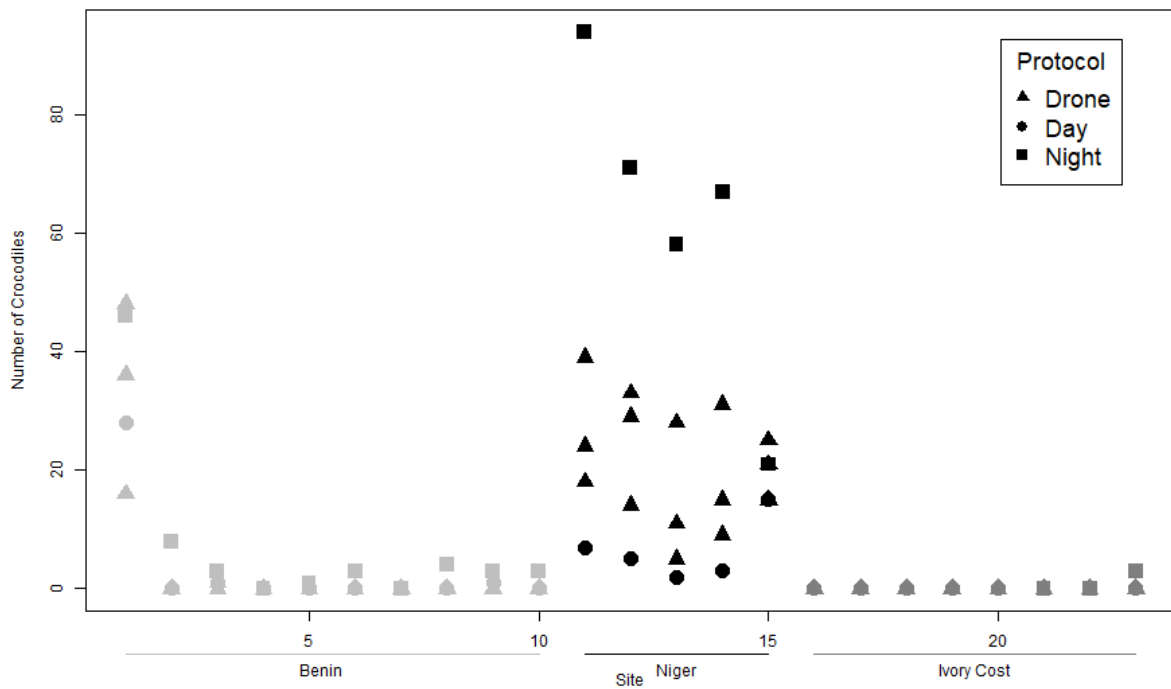


Figure S1. Number of crocodiles detected at each site by the three different survey methods. We counted crocodiles at 23 sites (Table S1) across Benin (light grey), Niger (black), and Cote d'Ivoire (dark grey) using three protocols: drone (triangles) and ground visual counting by day (rounds) or by night (squares).

Table S1. Characteristics of and crocodile detections at each study site

Country	National Parc	Site Name	Site Number	Covered area by drone	No. of Crocodiles Detected				
					Drone (session)			Day Survey	Night Survey
					1	2	3		
Benin	Pendjari	Mare Bali	1	13,175 m ²	36	16	48	28	46
Benin	Pendjari	Mare Baobab	2	4,603 m ²	0	-	-	0	8
Benin	Pendjari	Mare Tiabiga	3	21,620 m ²	1	0	0	1	3
Benin	Pendjari	Mare Koudjedougou 1	4	24,142 m ²	0	0	0	0	0
Benin	Pendjari	Mare Koudjedougou 2	5	21,950 m ²	0	-	-	0	1
Benin	Pendjari	Mare Diwouni	6	38,608 m ²	0	0	0	0	3
Benin	Pendjari	Mare Fogou	7	26,354 m ²	0	-	-	0	0
Benin	Pendjari	Mare Sacree	8	10,583 m ²	0	-	-	0	4
Benin	Pendjari	Mare Canard	9	21,750 m ²	0	0	0	1	3
Benin	Pendjari	Mare Yangouali	10		0	-	-	0	3
Niger	W	Tapoa 1	11	500 m	18	24	39	7	94
Niger	W	Tapoa 2	12	500 m	33	29	14	5	71
Niger	W	Tapoa 3	13	500 m	28	5	11	2	58
Niger	W	Tapoa 4	14	500 m	31	15	9	3	67
Niger	W	Tapoa 5	15	500 m	15	21	25	15	21
Cote d'Ivoire	Azagny	Canal 1	16	1,000 m	0	-	-	0	0
Cote d'Ivoire	Azagny	Canal 4	17	1,000 m	0	-	-	0	0
Cote d'Ivoire	Azagny	Canal 5	18	1,000 m	0	-	-	0	0
Cote d'Ivoire	Azagny	Canal 6	19	1,000 m	0	-	-	0	0
Cote d'Ivoire	Azagny	Canal 7	20	1,000 m	0	-	-	0	0
Cote d'Ivoire	Comoé	Pont droit	21	250 m	0	-	-	-	0
Cote d'Ivoire	Comoé	Pont gauche	22	250 m	0	-	-	-	0
Cote d'Ivoire	Comoé	Mare au buffle	23	5 800 m ²	0	-	-	0	3