

The value of long-term, community-based monitoring of marine turtle nesting: a study in the Lamu archipelago, Kenya

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TABLE S1 Geographical coordinates and lengths of sea turtle nesting beaches monitored during 1997–2013 at five locations in the Lamu archipelago, Kenya (Fig. 1).

Location	Beach	Start latitude	End latitude	Start longitude	End longitude	Distance (m)
Kiunga	Kiunga mwini	41.510032°E	41.498549°E	1.754901°S	1.768214°S	500
	Kitangani	41.592333°E	41.16546°E	1.14171°S	2.00561°S	1,890
Rubu	Chole	41.376864°E	41.378208°E	1.896873°S	1.894411°S	326
	Chunduni	41.413982°E	41.415366°E	1.864174°S	1.862387°S	155
	Chongo katiti	41.403648°E	41.404098°E	1.873966°S	1.873387°S	92.4
	Kui	41.437893°E	41.439684°E	1.826340°S	1.824149°S	278.8
	Magogo	41.410048°E	41.412074°E	1.867724°S	1.865829°S	304
	Mdoa	41.386426°E	41.387204°E	1.890666°S	1.891083°S	100
	Mongo shariff	41.425412°E	41.423444°E	1.852146°S	1.854966°S	390
	Mwanabule	41.428814°E	41.427883°E	1.850365°S	1.850357°S	110
	Rubu	41.385612°E	41.386466°E	1.876260°S	1.875844°S	112
	Mvundeni	Kitanga kipia	41.333243°E	41.333355°E	1.942582°S	1.942340°S
Mongoni		41.342841°E	41.343830°E	1.932257°S	1.931152°S	160

	Mtumumwe	41.358502°E	41.363431°E	1.916627°S	1.912903°S	620
	Mvundeni	41.340219°E	41.348033°E	1.923539°S	1.918375°S	1,120
	Ngazini	41.350703°E	41.353608°E	1.924893°S	1.921667°S	471
	Porcupine	41.339764°E	41.339957°E	1.935451°S	1.935256°S	32.8
Mkokoni	Ashuwei	41.322939°E	41.326715°E	1.951192°S	1.946602°S	690
	Kongoale	41.315832°E	41.322517°E	1.960437°S	1.952085°S	1,430
	KSV Beach	41.307102°E	41.314803°E	1.957924°S	1.959987°S	935
	KWS/ WWF	41.300106°E	41.307062°E	1.964204°S	1.957941°S	1,047
	Mkokoni	41.294481°E	41.300070°E	1.972009°S	1.964309°S	1,334
	Usini	41.314666°E	41.315862°E	1.962024°S	1.960469°S	407
Kiwayu	Chandani	41.285509°E	41.295353°E	1.996996°S	1.984193°S	1,740
	Kitanga kikuu	41.304983°E	41.305720°E	1.974645°S	1.973251°S	190
	Kiwayu	41.254213°E	41.285509°E	2.032329°S	1.996996°S	5,320

TABLE S2 Variation in the mean incubation duration (days \pm SE) of green turtle *Chelonia mydas*, hawksbill *Eretmochelys imbricata* and olive ridley *Lepidochelys olivacea* nests recorded among five key nesting locations in the Lamu archipelago, Kenya (Fig. 1), during 1997–2013.

Species	Location	Days	No. of nests	SE	SD	Min.	Max.	Median
Green turtle	Kiunga	55.8	128	0.1	1.6	49	60	55
	Kiwayu	55.7	257	0.1	1.9	44	63	55
	Mkokoni	55.4	272	0.1	1.9	48	64	54
	Mvundeni	55.2	309	0.1	2.6	44	64	54
	Rubu	55.5	678	0.1	2.2	40	67	55
Hawksbill	Mkokoni	56.2	5	1.5	3.3	51	60	56
	Mvundeni							
	Kiunga	55.0	1		0.0	55	55	55
	Kiwayu	53.9	12	1.2	4.3	46	62	51
	Rubu	55.7	7	0.6	1.7	54	58	54
Olive ridley	Mkokoni	55.5	2	0.5	0.7	55	56	55
	Mvundeni							
	Kiunga	58.5	2	1.5	2.1	57	60	57
	Kiwayu	52.5	2	2.5	3.5	50	55	50
	Rubu	59.0	2	1.0	1.4	58	60	58

TABLE S3 Summary of sea turtle tagging effort and recaptures in the Lamu archipelago, Kenya (Fig. 1), during 1997–2013.

Year	Number tagged	Number of recaptures
1997	0	0
1998	0	0
1999	0	0
2000	0	0
2001	11	1
2002	8	0
2003	18	0
2004	11	0
2005	6	2
2006	13	0
2007	17	0
2008	29	3
2009	27	0
2010	11	4
2011	5	1
2012	1	0
2013	8	0
Total	165	11