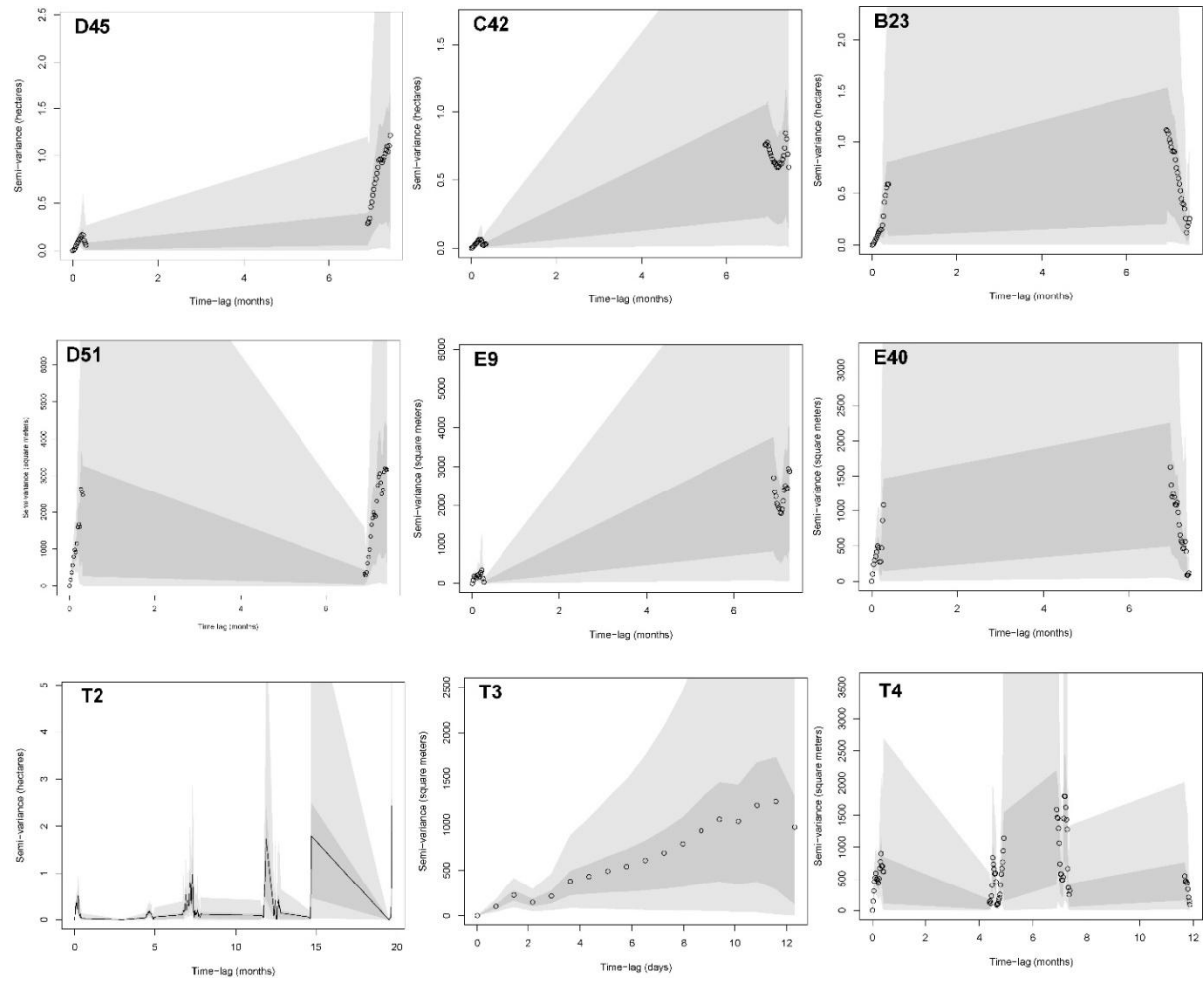


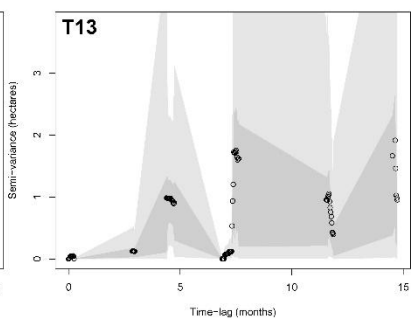
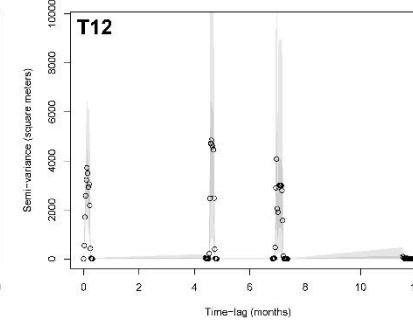
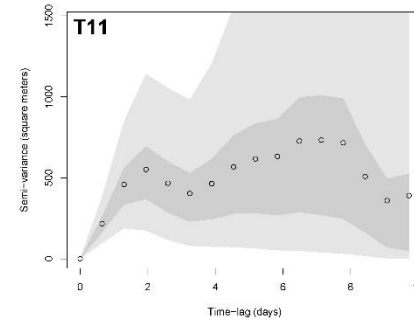
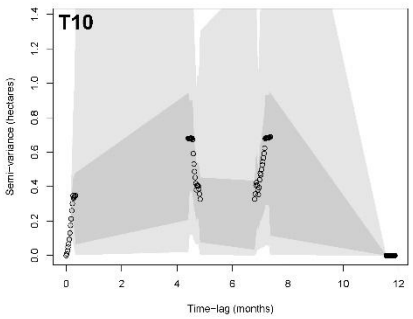
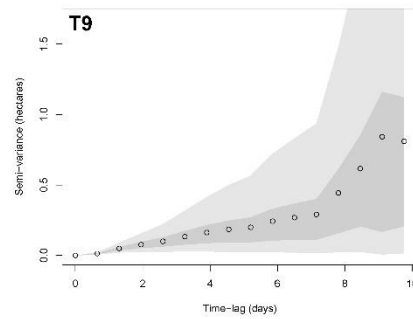
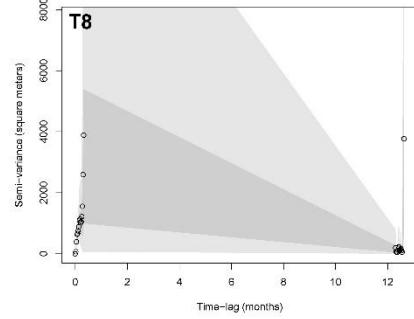
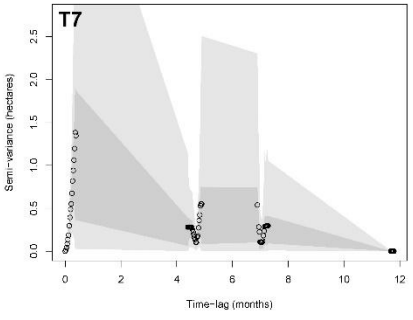
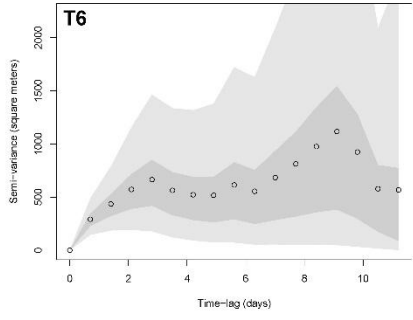
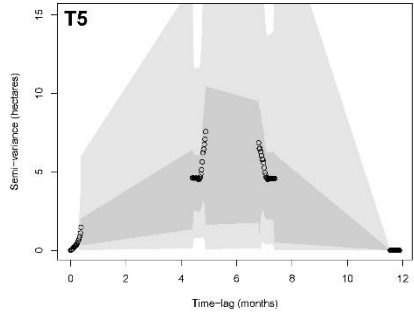


Spatial ecology of the Turks and Caicos Boa *Chilabothrus c. chrysogaster* Cope, 1871 (Serpentes: Boidae)

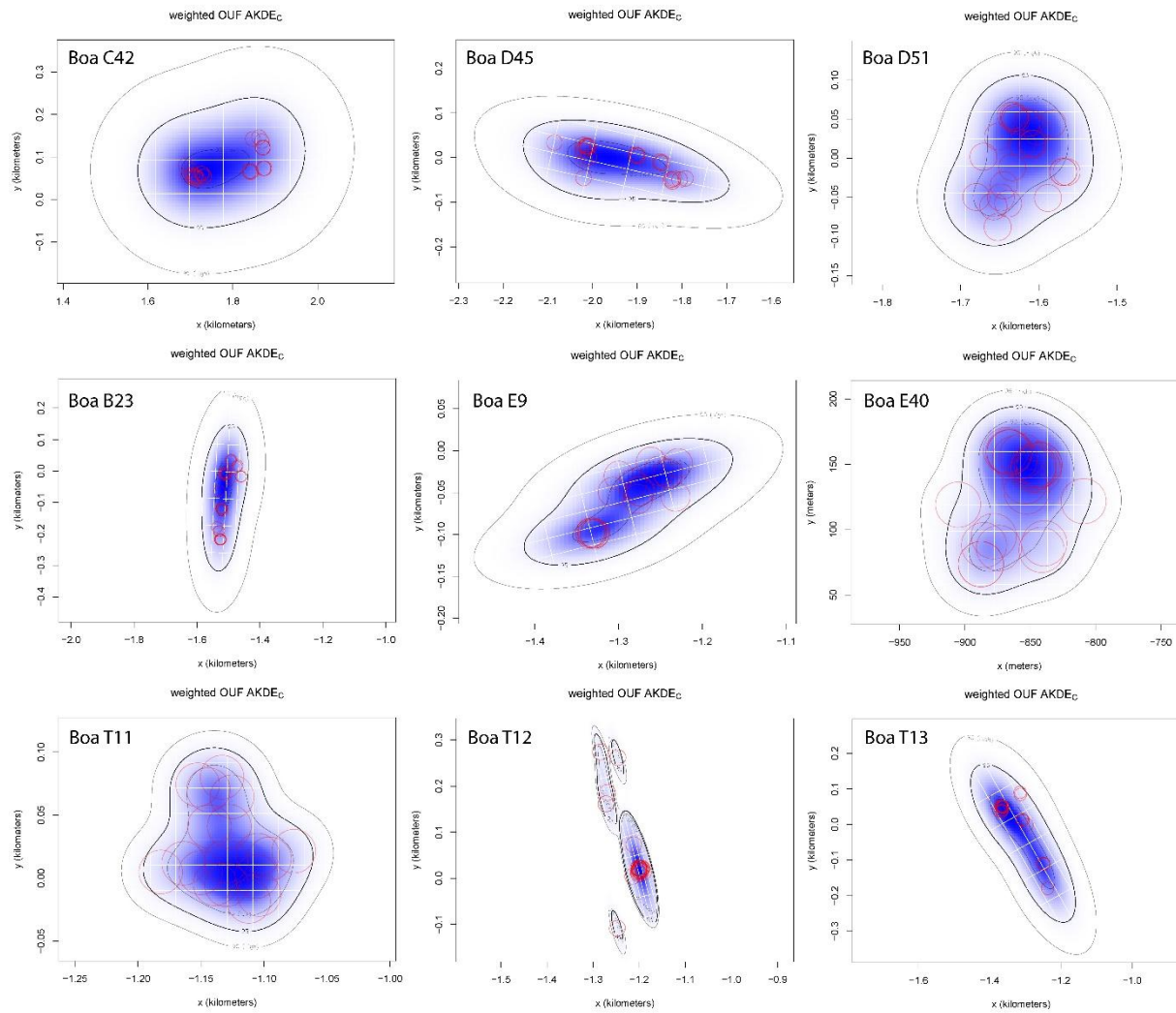
R. Graham Reynolds, Molly E. Reger, Keeley J. Peek, Bonnie L. Raphael, Giuliano Colosimo, Aryeh H. Miller, Alyssa A. Vanerelli & Glenn P. Gerber

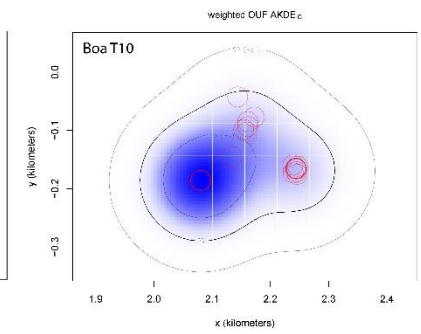
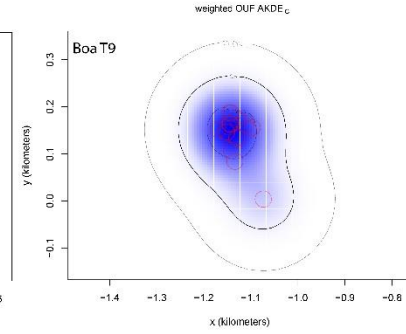
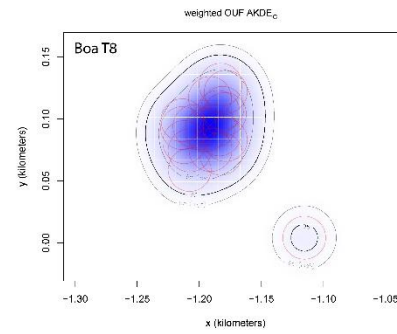
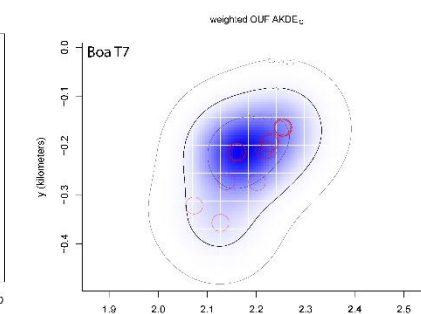
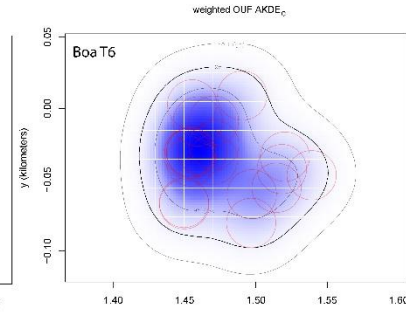
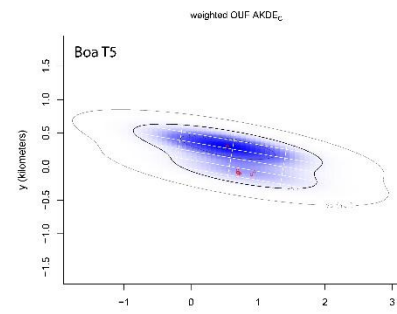
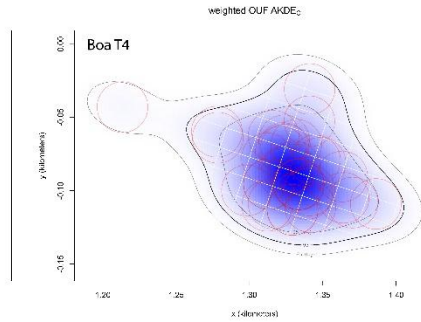
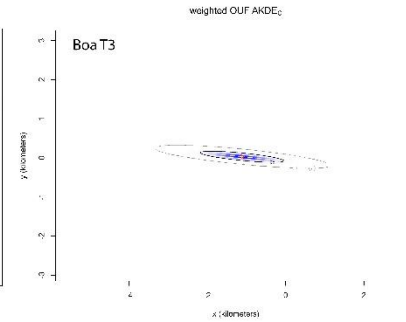
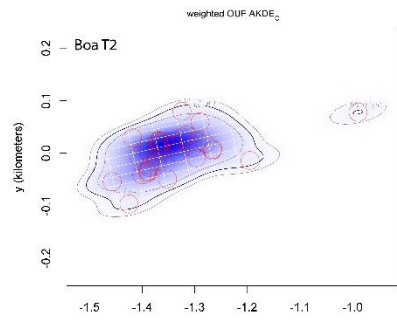
Appendix I. Variograms for each boa, showing observations over time (dots) and the 50 % (dark grey) and 95 % (light grey) confidence intervals.





Appendix II. Home range visualisations from wAKDE estimates for each boa. The circles indicate actual locations where the boas were observed relative to other locations in space, while the line containing the shaded area indicates the 95 % wAKDE home ranges.





Appendix III. Movement data obtained for *Chilabothrus chrysogaster* females on Big Ambergris Cay, Turks and Caicos Islands. Distance Travelled (m) is the total distance calculated for movement across a boa's tracking session. Minimum Convex Polygon (MCP) and Kernel Density Estimates (KDE) are measures of occurrence distribution (OD). One boa (T1) of the original 19 was excluded owing to the small number of observations (n = 7). All areas are in hectares, DOF = degrees of freedom, CI = confidence interval, and \bar{x} = mean.

ID	Distance Travelled (m)	MCP	DOF area	KDE 50 %	50 % CI	KDE 95 %	95 % CI
T2	678	1.74	39	0.69	0.62, 0.76	3.92	2.79, 5.24
T3	855	0.01	15	0.36	0.29, 0.42	0.26	0.15, 0.41
T4	1177	0.47	34	0.20	0.17, 0.22	0.98	0.68, 1.34
T5	9419	0.62	33	2.73	2.39, 3.05	13.11	9.02, 17.95
T6	3249	0.46	19	0.28	0.24, 0.33	1.07	0.65, 1.61
T7	192	0.62	28	0.44	0.38, 0.50	2.30	1.52, 3.22
T8	986	0.16	18	0.18	0.15, 0.21	0.83	0.49, 1.25
T9	999	0.38	17	0.30	0.25, 0.35	1.43	0.83, 2.19
T10	720	0.90	35	0.86	0.76, 0.96	3.66	2.55, 4.96
T11	586	0.56	17	0.36	0.30, 0.42	1.30	0.76, 1.98
T12	689	1.08	35	0.19	0.17, 0.21	1.84	1.28, 2.49
T13	715	0.80	30	0.56	0.49, 0.63	2.58	1.74, 3.58
B23	667	0.94	25	0.56	0.48, 0.64	2.19	1.42, 3.13
C42	554	1.03	26	0.73	0.63, 0.83	2.65	1.73, 3.76
D45	744	1.15	25	0.71	0.61, 0.80	2.76	1.76, 3.94
D51	854	0.89	25	0.58	0.50, 0.66	2.11	1.36, 3.01
E9	766	0.42	18	0.26	0.22, 0.31	1.07	0.63, 1.61
E40	651	0.45	23	0.24	0.20, 0.27	1.04	0.66, 1.50
\bar{x}	1,361	0.70	—	1.17	—	5.30	—