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Supplementary material

Evaluation of risks for two native mammal species from feral cat baiting in monsoonal tropical northern Australia

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Table S1: Density estimates for the northern brown bandicoot and northern quoll before and after bait deployment.

Estimates are from the spatially explicit mark-recapture model with the lowest AIC value and include standard error (SE) and 95% confidence intervals (LCI and UCI). The buffer width used to calculate each density estimate is listed along with the detection function as either exponential (exp) or hazard-rate (hr). The models parameters of 'g0' and 'sigma' are listed with the associated SE. The effective baited area (all land enclosed by applying the buffer to the outermost baits) and population size over that area is presented.

Species	**Period**	**Buffer width (m)**	**Effective baited area (ha)**	**Population size**	SE	LCL	UCL	**Density**	SE	LCL	UCL	**Detection function**	**g0**	SE	**Sigma**	SE
Northern brown bandicoot	Pre-baiting	360	329.565	65.556	10.895	47.437	90.597	0.199	0.033	0.144	0.275	exp	0.443	0.101	54.659	5.450
	Post-baiting	360	329.565	57.305	10.762	39.784	82.540	0.174	0.033	0.121	0.251	exp	0.236	0.058	54.402	5.898
Mean values				**61.430**	**10.829**	**43.611**	**86.569**	**0.186**	**0.033**	**0.132**	**0.263**		**0.339**	**0.079**	**54.531**	**5.674**
Male northern quolls	Pre-baiting	1000	697.339	49.387	10.553	32.641	74.725	0.071	0.015	0.047	0.107	exp	0.076	0.017	189.041	23.584
	Post-baiting	1000	697.339	15.509	5.187	8.192	29.361	0.022	0.007	0.012	0.042	hr	0.022	0.005	611.590	53.256
Mean values				**32.448**	**7.870**	**20.417**	**52.043**	**0.047**	**0.011**	**0.029**	**0.075**		**0.049**	**0.011**	**400.316**	**38.420**

Female northern quolls	Pre-baiting	500	405.231	52.329	9.994	36.110	75.831	0.129	0.025	0.089	0.187	exp	0.200	0.045	82.605	8.025
	Post-baiting	500	405.231	58.766	9.776	42.510	81.240	0.145	0.024	0.105	0.200	hr	0.148	0.024	149.459	12.705
Mean values				**55.547**	**9.885**	**39.310**	**78.535**	**0.137**	**0.024**	**0.097**	**0.194**		**0.174**	**0.035**	**116.032**	**10.365**