

[10.1071/WR22039](https://doi.org/10.1071/WR22039)

Wildlife Research

Supplementary Material

Reliable detection of low-density Pacific rats by using camera trapping

Sze Wing Yiu^{A}, Markus Gronwald^A, and James C. Russell^A*

^ASchool of Biological Sciences, University of Auckland, Auckland 1010, New Zealand.

*Correspondence to: Sze Wing Yiu School of Biological Sciences, University of Auckland, Auckland 1010, New Zealand Email: cwingyu@gmail.com

Supplementary material 1. Experimental set up in the field: (a) Sherman-type traps (left) and the wire mesh door installed in winter season (right), (b) examples of camera setup in forest (left), shrubland (centre), and farmland (right), and (c) chewcard baited with cat food (left) and lure made of tea infuser holding cotton balls soaked in fish oil (right).



(a)



(b)



(c)

Supplementary material 2. Camera trapping effort in each vegetation type.

Forest camera 3 had a shorter survey duration in the summer due to camera failure in the field.

Season	Vegetation	Camera-trapping duration (no. of nights)			
		Camera 1	Camera 2	Camera 3	Camera 4
Summer	Forest	64	65	43	65
	Shrubland	61	60	60	61
	Farmland	53	53	53	53
Winter	Forest	35	35	35	35
	Shrubland	32	32	32	32
	Farmland	35	35	35	35

Supplementary material 3. Cumulative detection of Pacific rats by camera-trapping.

