

## **Appendix**

**Analysis of spatiotemporal patterns of home range use and habitat selection to inform an eradication strategy for feral pigs (*Sus scrofa*) on Auckland Island, New Zealand**

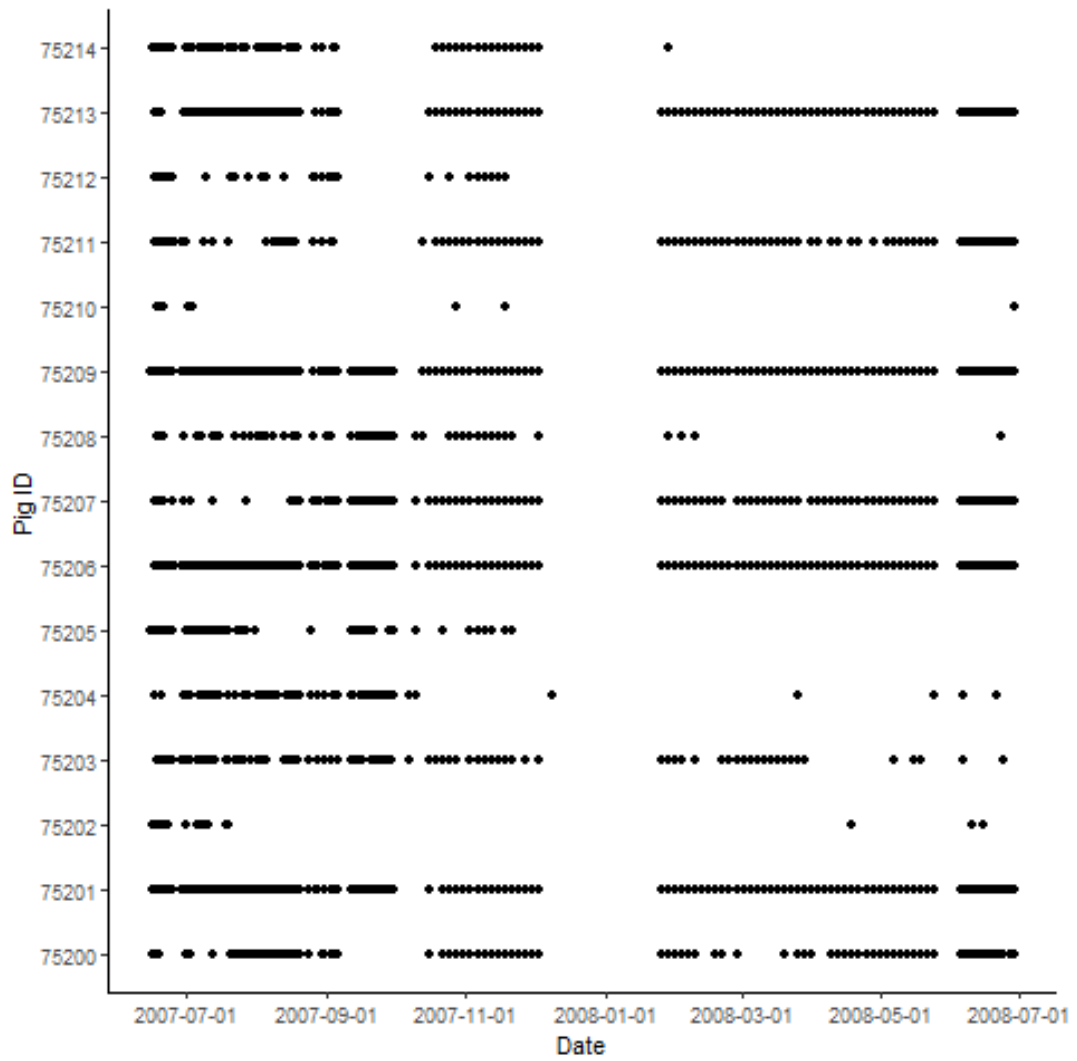
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**Table A1.** Land-cover types found on Auckland Island, New Zealand.

Class	Description	Area (ha)
Maritime complex	A wide range of plant communities including salt marsh, sand dunes, and turf and mat on rocky shores, sea cliff and ledges. These communities have relatively high soil fertility, which, associated with constant humidity, has produced an exuberant herbaceous growth.	386
Low forest and mixed scrub	Largely closed woody vegetation of 10 m tall <i>rātā</i> and <i>Olearia</i> forest in sheltered coastal sites.	17,098
Bog and swamp	Vegetation depends on the degree of drainage. Waterlogged soils are very acid and support cushion plants, dwarfed shrubs and scattered tussocks. Sites with more water movement are more fertile and support tall sedges, herbs and hummocky shrubs.	7675
Upland tussock grassland	Above the closed shrublands, the hills are covered with tussock grasses, with associated shrubs, ferns and megaherbs.	17,884
Tundra-like mountain summit vegetation	Some of the exposed summit peaks have a stony mineral soil with little peat development. They support a variety of plants, including <i>Pleurophyllum hookeri</i> , <i>Plantago aucklandica</i> , <i>Ranunculus pinguis</i> , and <i>Myosotis capitata</i> .	2420

**Table A2.** Results of RSF model 3 for the individual level estimates of  $\alpha_{0,i}$  and  $\alpha_{1,i}$ . The mean and 95% credible intervals (CI) are shown.

Pig ID	$\alpha_{0,i}$			$\alpha_{1,i}$		
	Mean	Low CI	High CI	Mean	Low CI	High CI
75200	-2.115	-2.549	-1.702	-0.130	-1.019	0.803
75201	-2.435	-2.816	-2.063	-0.343	-1.219	0.626
75202	-0.922	-1.289	-0.562	0.451	-0.410	1.364
75203	-0.791	-1.015	-0.576	0.467	-0.393	1.410
75204	-0.840	-1.092	-0.592	0.496	-0.344	1.431
75205	-0.546	-0.819	-0.254	0.745	-0.099	1.634
75206	-0.962	-1.164	-0.770	0.314	-0.465	1.199
75207	-0.360	-0.563	-0.155	0.900	0.053	1.762
75208	-0.821	-1.051	-0.577	0.477	-0.358	1.427
75209	0.526	0.239	0.805	1.202	0.366	2.139
75210	-0.915	-1.281	-0.568	0.478	-0.360	1.397
75211	-1.430	-1.713	-1.167	0.336	-0.441	1.232
75212	-0.949	-1.223	-0.690	0.797	-0.073	1.711
75213	0.892	0.550	1.237	1.328	0.463	2.319
75214	-0.904	-1.148	-0.654	0.291	-0.534	1.199



**Figure A1.** Monitoring periods for 15 collared feral pigs (*Sus scrofa*) on Auckland Island, New Zealand, from June 2007 to July 2008.