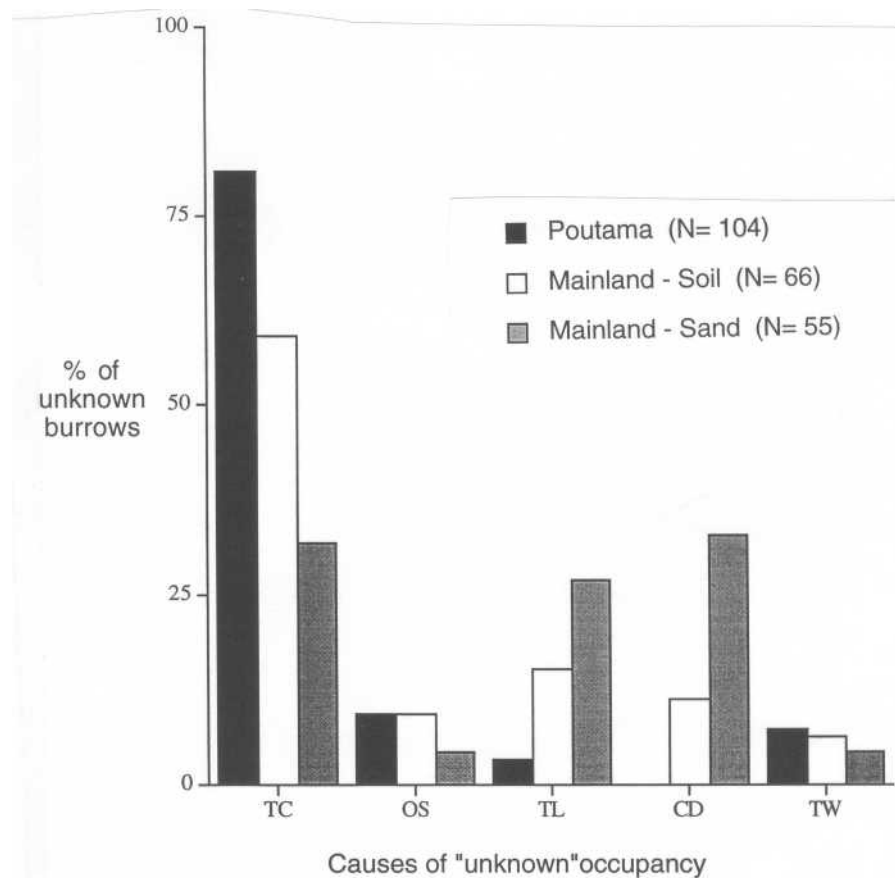


9.5 Components and their cost per Prototype C burrowscope.

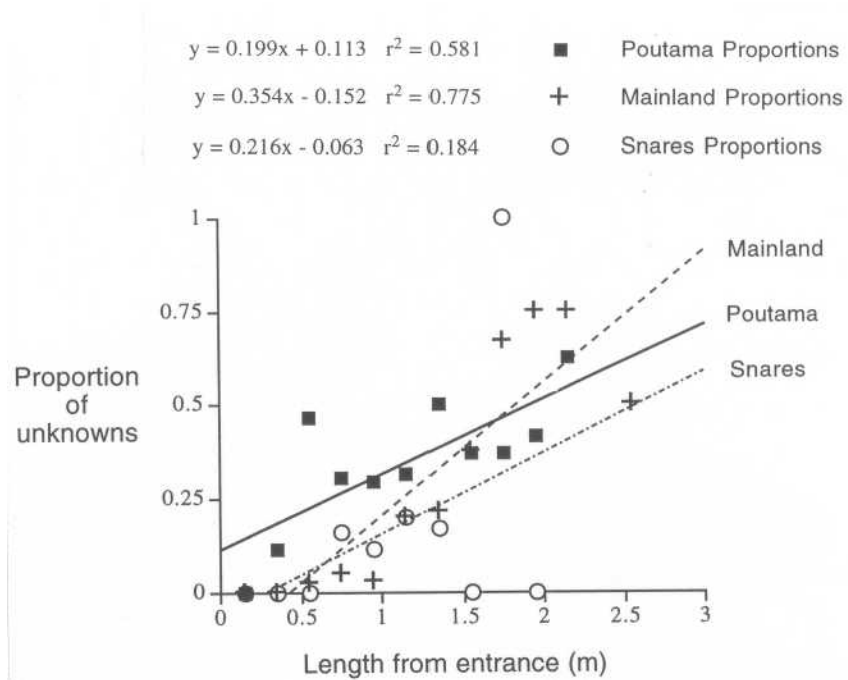
Component		Bought/ Custom- built	Part Number	approx. NZ\$ (GST excl.)	approx. US\$ @0.63
<i>Camera-head</i>	B&W PCB and encapsulated CCD camera, minimum illumination - 0.2 lux F1.2, 3.8 mm lens	B	CBP11	359.00	226.00
	3 wide-beam & 3 pinpoint LEDs	B	RS-585-242 RS-195-669	6.00	3.80
	LED ring mount	C		2.00	1.25
	Voltage and current regulator	C		5.00	3.15
	Aluminium casing	C		150.00	94.50
	Glass front	C		5.00	3.15
<i>Hose section</i>	Bowden™ cables	B		65.00	41.00
	Electrical cable	B	Category W2034	3.00	1.90
	Handle electrical connector	B	RS-448-216	12.00	7.55
	Monitor 130+ connector	B	RS-405-613	13.00	8.20
	Drainage hose	B		15.00	9.50
<i>Monitor system</i>	Standard security video monitor - 5.5" tube	B	HS-051	300.00	189.00
	PVC housing	C		25.00	15.75
	Terminal block	B	PDL Cat No. 151	2.00	1.25
	Connection cable between hose & monitor box	B	0.75mm ² , 3 core flex	3.00	1.90
	Connectors	B	RS-405-590 RS-464-656	12.00 10.00	7.55 6.30
	Miscellaneous - glue, rubber, plugs, etc			50.00	31.50
	12 volt sealed lead-acid battery			30.00	18.9
<i>Labour</i>				970.00	611.10
TOTAL				1990.00	1283.00

9.6 Sooty shearwater burrow occupancy data for mainland sites and Poutama Island during the "early chick" phase using different burrowscope designs.

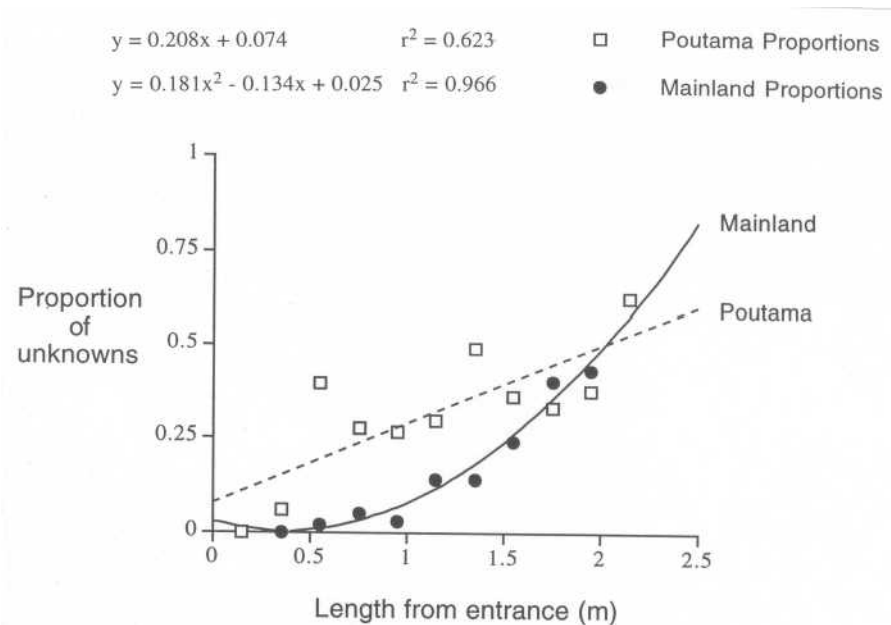
		(Prototype B)	(Prototype C)	
Poutama Island	Number of burrows (unoccupied and unknown)	138	369	507
	Number of burrows with "unknown" occupancy	37 (27%)	130 (35%)	167
	Number of "unknown" in which tunnel corners or obstructions prevented access	37 (100%)	115 (88%)	152
Mainland	Number of burrows (unoccupied and unknown)	440	543	983
	Number of burrows with "unknown" occupancy	29 (6.6%)	18 (3.3%)	47
	Number of "unknown" in which tunnel corners or obstructions prevented access	14 (48%)	13 (72%)	27



9.7 The proportions of "unknown" burrows where further penetration by the burrowscope was prevented by following causes: tunnel corner (TC), obstacles (ie, tree roots, rocks, or a ledge) preventing access (OS), tunnel length (TL), camera-head digging into the substrate (CD) or tunnel width (TW).



9.8 The proportion of unoccupied burrows for which occupancy was "unknown" at increasing maximum distance of penetration of the burrowscope from the burrow entrance.



9.9 The proportion of unoccupied burrows where either a tunnel corner or obstruction prevented further penetration by the burrowscope at increasing distances from the burrow entrance.