



VICFORESTS PRE-LOGGING FAUNA SURVEYS 2011-2012

SUMMARY OF RESULTS

PACKAGE 8

East River Smoky Mouse *Pseudomys fumeus* Surveys

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Survey Methods

Remote cameras

Two cameras (Scoutguard DTC-565V white flash) were deployed on-site for two separate periods with period 1 being from 24.11.11 to 13.12.11 and period 2 from 17.12.11 to 09.01.12, and were maintained *in situ* for a combined total of 42 days (P1=20days;P2=22days). This is in excess of the suitable timeframe to guarantee a 90% chance of species detection. Cameras were photographed *in situ* and coordinates and time of deployment recorded. The target species was Smoky Mouse *Pseudomys fumeus*.

Results

During the first period of camera deployment (24.11.11 – 13.12.11) at least 26 images of small mammals (<200gm) were recorded by the 2 cameras (Table 1). Unfortunately the images taken at night (>90%) were “whited out” by the intense flash unit in the Scoutguard cameras. This resulted in all the photos of small mammals being unrecognizable and reduced to just an outline. The “outline shapes” suggested multiple species with a strong possibility of rodents. After consultation a strip of white and silver cloth tape was placed over the flash window to diffuse the light [REDACTED]. The cameras were then tested inside a shed at 170 Bengworden Road and the results were good with the flash being significantly muted and definition of outline and skin tone colours accurate.

The results from the 2nd deployment were of a significantly reduced small mammal activity pattern, with only 2 images, one on each camera. This time the nocturnal images were not “whited out” as with the previous deployment but were too “dark” to again accurately identify.

Table 1, Remote Camera Results (No. images/species in brackets)

Coupe No.	Coupe Name	Surveyers	Camera Id.	Date deployed	Target sp.	Easting	Northing	Effective days in operation	Species identified
767-503-0011	East River	AC, KD	112248	24.11.11 TO 13.12.11	Smokey Mouse	580234	5873379	20	Crimson Rosella(3) Swamp Wallaby(3) Small Mammal Spp.(20)
			112449		Smokey Mouse	580158	5873358		Antechinus agilis(3) Small Mammal Spp.(3)
767-503-0011	East River	KD, JR	112248	17.12.11 TO 9.01.12		580237	5873378	22	Small Mammal sp.(1) Satin Bowerbird(11) Superb Lyrebird(4) Swamp Wallaby(3) Small Mammal sp.(1)
			112449				580175		