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Assessment of Feral Pig Poisoning Program 1980 to 1981

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The feral pig poisoning program centred on two areas -

- i) Northern area (Dwellingup, Harvey Forestry divisions)
- ii) Southern area (Cullie, Kirup Forestry divisions)

Assessments of pig activity were made at randomly selected blocks within these areas and at a third (unpoisoned) location - South Dandalup Dam. The major assessment technique was to record pig disturbance at strategically located sand plots prior to, and following the laying of pig baits. The scores from these plots for each area are shown in figures 1 to 3.

That change in sand plot disturbance score was influenced by factors other than poisoning is shown in the unpoisoned area: here there was an increase in activity of 56.9% (average overall plots). This necessitated an adjustment to the observed change in score on poisoned forestry blocks. Observed scores were reduced by a factor of 56.9%.

Adjusted percentage differences in activity levels (Figs 2 and 3) indicates there to be an average reduction in activity of 30.4% (Northern area) and 23.7% (Southern area) changes in activity levels for individual forestry blocks are also shown. These vary from an increase of 53.8% to a decrease of 100%.

Photocopy to Insp Spragg

O.I.C. Howell

~~Mike Dillon~~

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info.

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FIGURE 1.

NORTHERN AREA — UNPOISONED.

m² sand plot score:
end Nov — mid Dec.

early March — Mid April

Forestry Block Location:	Before Poisoning		After Poisoning		DIFF.	% DIFF.
	DAY	AV. SCORE (SC./PLOT DAY)	DAY	AV. SCORE (SC./PLOT DAY)		
SCOTT	1 2 3 4 5 6 7 8 9	5 ÷ 108 plots 0.0463	1 2 3 4 5 6	1 ÷ 72 0.0139	-0.0324	-70.0%
CAMERON		0.1852		0.2083	+0.0231	+12.5%
KENNEDY		0.0370		0.1111	+0.0741	+200.3%
INGLEHOPE		0.1333		0.2833	+0.1500	+112.5%
TOTAL		0.0919		0.1442	+0.0523	+56.9%

NORTHERN AREA - POISONED

FIGURE 2.

m² around plot area:

Treating Block:	Before Poisoning		After Poisoning		DIFF. (BEF-AFT)	ADJUSTED % DIFF.
	DAY	AV SCORE	DAY	AV SCORE		
MIDDLEHOPE	123456789 (SE/Plotted) 123456789 (SE/Plotted)		123456789 (SE/Plotted) 123456789 (SE/Plotted)		-0.0370	$0.0370 \div 0.2222 = 0.166517$ $56.9\% \times 0.166517 = 0.0947$ -26.1% -26.1217
	0.2222	0.1852	0.1111	0.0556		
AMPHION Logging PLAINS	0.1111	0.1667	0.0741	0.0463	* -98.0%	+21.6%
	0.0741	0.0278	0.0490	0.0556		
CORRANT Poisoned. VARRICAL -	0.0741	0.0278	0.0490	0.0556	* -84.5%	-83.4%
	0.2063	0.0490	0.1046	0.0556		
HAKER	0.1046	0.0556	0.0490	0.0556	* -100.0%	-30.4%
	0.1852	0.0556	0.0556	0.0556		
BOMBALLA	0.1852	0.0556	0.0556	0.0556	-30.4%	-30.4%
	0.1306	0.0556	0.0556	0.0556		
TOTAL	0.1306	0.0556	0.0556	0.0556	-30.4%	-30.4%
	0.1306	0.0556	0.0556	0.0556		

FIGURE 3. SOUTHERN AREA - REISCHIED

m² round plot acre :

Block	Before Reischied		After Reischied		DIFF	ADJUSTED % DIFF.
	DAY	AV SCORE	DAY	AV SCORE		
WCCP-WCCP	1 2 3 4 5 6 7 8 9	(S/PLTMY)	1 2 3 4 5	(S/PLTMY)	DEF-AFT	
		0-1250		0-1062	-0-0188	-23.6%
WILGA		0-0864		0-0667	-0-0197	-35.8%
CATTERICK		0-0794		0-0714	-0-0080	-15.8%
		0-1071		0-0909	-0-0162	-23.7%