



Baboon Management Cape Town



Photo: Byron Pearce (HWS)

Monthly Report For June 2013



TABLE OF CONTENTS	Page
A. REPORTING PERIOD	3
B. BABOON MANAGEMENT AND RAID REPORTING	3
SOUTH EAST REGION	
1. Smitswinkel Troop	3
2. Waterfall Troop	4
3. Da Gama Big Troop (BT)	4
4. Da Gama Small Troop (ST)	6
Births and Deaths	8
Recommendations	8
SOUTH WEST REGION	
1. Groot Olifantsbos Troop	9
2. Misty Cliffs Splinter Troop	9
3. Slangkop Troop	10
Births and Deaths	12
Recommendations	12
NORTH REGION	
1. Tokai Main Troop (TMT)	13
2. Zwaanswyk Splinter Troop (ZST)	14
3. Constantia Troop	15
4. Ghost / Mountain Troop	16
Births and Deaths	17
Recommendations	17
C. GENERAL COMMENTS ON ALL BABOON TROOPS	
Population Data	18
Hotline Data	19
General	22

**A. REPORTING PERIOD**

This month's report covers the four week period from 25 May to 21 June 2013.

B. BABOON MANAGEMENT AND RAID REPORTING**South Eastern Region – Manager Ziggy Rode****1. Smitswinkel Troop**

The past month has been the best month thus far for the Smitswinkel troop, with the troop only spending 0.07% of the time in the urban area. Since SWB6 has become alpha male, the troop spends the majority of its time foraging on the mountain, along the coast and occasionally spending time on the road. The troop is now manageable and even when they are on the road, they can be herded quickly without raiding taking place.

The only raiding incident occurred on 4 June, however it should be noted that this raid occurred due to negligence where an invasive alien vegetation clearing team were at their vehicle with the doors and windows open. The HWS Supervisor advised the team to close and lock doors and windows as the baboons were about to cross the road where they were parked. However this did not happen and SWB1 entered the car and took food.

The only other occasion the troop spent time in the urban area was on 10 June when the Rangers allowed the troop to pass through the parking area at the Miller's boat launch, so that they could forage at the coast. No raids took place.

HWS: TROOP MONTHLY REPORT																																	
SECTOR			CLASSES OF BEHAVIOUR																														
SE			1 In urban area				4 Attacking pets				7 Threatening behaviour/attack/stealing food																						
BABOON TROOP:		Smits	2 Raid bins				5 Raid unoccupied house or vehicle				8 Breaking & Entering/Damaging property																						
MONTH: June		2013	3 Non malicious damage				6 Raid occupied house or vehicle																										
BABOON ID		Sex	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			TOTAL
SWB1		M											6						1													2	
SWB6		M																	1													1	
Troop																			1													1	
UnID Fem		F																	1													1	

Fig.1 Raid Sheet for the Smitswinkel troop

2. Waterfall Troop

Raiding at the Waterfall Barracks continues due to the lack of effective waste management. Raiding generally involves the entire troop raiding bins and eating waste left lying around at the Barracks. More serious raiding by a group that mainly includes WF1 and/or WF2 and up to three females and a few juveniles also occasionally takes place. WF1 and/or WF2 usually enter occupied and unoccupied houses in the civilian residential area where they have learnt how to gain access to certain houses. On 19 June, a female entered one of the flats at the barracks through an open window and took maize meal.

An additional ranger has been brought across from Smitswinkel to assist with managing the Waterfall troop. This means that there were always 3 rangers on duty at any given time at Waterfall. The senior supervisors have also assisted the Waterfall team in developing new strategies for managing the troop and training the rangers in tracking and using VHF telemetry more effectively.

With the senior supervisor spending more time at Waterfall, the troop has been pushed high up towards Swartberg Mountain where they spend more time foraging in the fynbos. It is hoped that they will learn to sleep further away from the residential area and that raiding will decrease.

SECTOR			CLASSES OF BEHAVIOUR																											
SE			1	In urban area				4	Attacking pets										7	Threatening behaviour/attack/stealing food										
BABOON TROOP: Waterfall			2	Raid bins				5	Raid unoccupied house or vehicle										8	Breaking & Entering/Damaging property										
MONTH: June		2013	3	Non malicious damage				6	Raid occupied house or vehicle																					
BABOON ID	Sex	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	TOTAL
WF2	M		2	1	1	1			2	5	2							2				5				2,5		2	12	
WF1	M		2	1	1	1			2									2								2		2	8	
UnID Females	F			1	1	1			2	5	2					2		1				2			2	2,5	2		13	
TROOP					1	1			2																2		2	5		
RH2	M		2		1	1			2				1	2				2							2		2	9		
Juveniles				1	1				2	5															2		2	6		
	%	TIME SPENT IN TOWN (Minutes)																								HRS				
Troop	1.5				60	75			41	20	13														10		15	3.90		
Females	2.6			60	60	75			41	20	12					30		10					25		10	30	15	6.47		
Males	3.3		15	60	60	75			41	20	13		35	15				100				25			25		15	8.32		
Roost:	AM		1	1	1	2	2	1	1	2	1	2	1	1	1	1	2	1	2	1	1	1	1	1	1	2	1	1		
Roost:	PM		1	1	1	1	1	2	1	1	1	1	7	3	1	1	1	1	1	1	5	1	1	1	1	1	1	1		
Roost Sites		1	Waterfall Cliff				2	Happy Valley Mnt				3	Signal School				4	Waterfall Barracks				5	Mountain Residents side							
		6	Admiral footpath				7	Not found				8	Happy Valley Home																	
ID Features of Baboons		WF2- red&blue tags + collar, WF1- yellow&blue tag. RH2- double yellow tags + collar, adult male																												
General remarks																														

Fig.2 Raid sheet for the Waterfall troop

3. Da Gama – Big Troop (BT)

As of 24 May (May monthly report), SK4 had killed 5 infants. This pattern of infanticide continued unabated until mid-June, by which time SK4 had killed another 5 infants and one juvenile. The effect of this spate of infanticides was that most of the females and juveniles in the troop became very scared of SK4 and tried to avoid him at all costs. This split the troop on many



occasions and some individuals even took to sleeping in or near Ocean View on their own or in small groups.

On 28 May, DG1 was attacked by dogs on entering Ocean View sustaining lip, shoulder, hand and leg injuries. During attempts to herd him out DG1 hid under a container in a construction site. Area Manager, Ziggy Rode, arrived on the scene and DG1 was subsequently lured out from under the container and herded out back towards the troop. Although injuries were noticeable, DG1 moved around without displaying overt signs of pain.

On 31 May at 17h00 SK4 broke the line and ran to Misty Cliffs where the animal attempted to raid 5 houses but was pushed back to the troop within 30 minutes.

On 1 June at approximately 14h00, a caller to the hotline reported a dead baboon in Ocean View and HWS senior supervisors responded immediately. The baboon had been attacked by dogs and the carcass of a female baboon was found in an appalling state. Although at first this female was presumed to be from the Slangkop Troop, it was later confirmed to be from the Da Gama Big Troop.

On 2 June the entire BT had already scattered when the rangers reported for duty and were mainly behind Ocean View in the alien vegetation. DG1 and DG7 entered Ocean View. DG7 was pushed out quickly but it seemed that DG1 had difficulty moving. After three hours of attempting to push DG1 out, the decision was made to capture and take the baboon to Westlake for observation. It was clear that the injuries sustained from the dog attack on 28 May were hampering its ability to operate normally. DG1 was kept at Westlake and treated and subsequently released at Witsand on 6 June.

On 5 June DG7 slept in Ocean View despite rangers attempting all day to push it back to the troop. By nightfall he was on top of a roof and it was decided that it would be better to let it sleep there than to herd it in the dark. The following day DG7 was found in Ocean View and it was reported that it raided at least three houses. DG7 was later seen sitting on rocks outside Ocean View and after some observation, it was noticed that there was a small juvenile (4-6 months old) sitting next to it. This turned out to be the juvenile belonging to the female that was killed by dogs on 1 June.

On 9 June, 2 young females started to sleep overnight in Ocean View, mainly in on the roof of a house in Lyra Road. A few days later 2 sub-adult males also started sleeping in Ocean View although separate from the females. It is believed that these young animals were sleeping in Ocean View in an attempt to get away from SK4 which, by 11 June, had killed 10 infants and 1 juvenile. By 21 June, 6 baboons were sleeping in Ocean View.

The BT seems to prefer using lower lying sleep sites rather than Witsand when the weather is wet and windy but unfortunately this makes managing the troop difficult when they sleep behind the Rasta camp.

The situation in Ocean View is extremely distressing to the residents of Ocean View who are enduring high levels of raiding. It is also, in turn, a grave situation for the baboons because they are tormented by children who chase them and often push them back into the residential area after rangers have pushed them out. Stones and sticks are also thrown at the baboons, and dogs set on them. All efforts are made to keep the baboons out of the area but one of the main problems hampering our efforts is the dense alien vegetation that provides excellent cover for the animals to move through and into Ocean View. Furthermore, the high concentration of fruit trees (mainly guavas & bananas), together with poor waste management, lures the baboons back into Ocean View on a daily basis and the reward of food is higher than the risk of being hurt or injured.



Fig.3. (a) Example of fruit trees in Ocean View; (b) and (c) pollution in and around Ocean View.

HWS: TROOP MONTHLY REPORT																																				
SECTOR		CLASSES OF BEHAVIOUR																																		
SOUTH EAST		1	In urban area										4	Attacking pets										7	Threatening behaviour/attack/stealing food											
BABOON TROOP: DA GAMA BT		2	Raid bins										5	Raid unoccupied house or vehicle										8	Breaking & Entering/Damaging property											
MONTH: June		3	Non malicious damage										6	Raid occupied house or vehicle										9	Nocturnal Raiding											
BABOON ID		Sex	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	TOTAL					
Big Troop																								1								1				
SK4		M	2	2				2	1	2		2		2,6	6			6	2				2,6		2		2	2		2,2		16				
DG1		M				1					2									6			2		2	2				2	7					
2x Sub-ad males		M	2	2				2		2		2		2				2	2	1			2,6		2,6		2	2,6		2,2		18				
UnID Female		F	2																					2		2				2,2	5					
DG7		M		2				2		2	2	2		2,6	6,6,6			2					2,6		2		2	7,6,4	2,2		20					
			%	TIME SPENT IN TOWN (Minutes)																										HRS						
Big Troop		0.2																						45							0.75					
Individuals		13.3	30				90											480	720	480			150	175	330			120			42.92					
Males		17.4	90			240	60	20	70	180	120		600	960				195	120	90			150	100	150	90		120			55.92					
Roost:		AM	11	11	14	11	14	11	11	15	15	11	11	14	11	11	11	11	14	14	11	11	11	11	11	11	15	15	14	11	11					
Roost:		PM	11	14	11	14	11	11	15	15	11	11	14	11	11	11	11	14	14	11	11	11	11	11	11	11	14	11	11	14						
Roost Sites		1 Flats										2 Pines - Flats										3 Pines - Da Gama					4 Pines - Welcome Glen					5 Sport Fields Stables				
		6 Compass Bakery										7 Pines - Outspan										8 Jacks Shop					9 Elsie's Peak					10 Rotary Camp				
		11 Witsand										12 Slangkop										13 Platkop					14 Rasta Camp					15 Unknown				
ID Features of Baboons		DG1: Collar, DGF3: Three legs																																		
General remarks																																				

Fig.4. Raid sheet for the Da Gama Big Troop.

4. Da Gama – Small Troop (ST)

On 25 May, the ST broke the line and entered Welcome Glen. Rangers attempted to push them out however a female jumped onto the balcony of an occupied house and attempted to enter



through the sliding door. The baboon was then sprayed in the eyes with an unknown substance and fled. The ranger who subsequently went into the garden reported smelling strong fumes. Shortly thereafter the baboon was seen and appeared to be blinded. By late afternoon it had not recovered from the incident and it was decided to capture it and attempt to clean the substance off its face. The SPCA, together with HWS Manager, Ziggy Rode, and Supervisor, Jason Menzies attempted to catch the animal but failed as it was hiding in dense vegetation along the Elsie's River. The following morning the SPCA and Ziggy Rode managed to dart the animal however, very high adrenaline levels, it was not tranquilized by the drugs. It was decided to wait for a two-day recovery period before attempting another capture/darting operation. As at 27 May the female appeared to be blind and had not shown any signs of improvement. On 30 May, another cage capture attempt was unfortunately unsuccessful. There were no signs of improvement and the animal was obviously suffering due to severe weight loss as a result of not being able to forage, which also resulted in it being severely stressed. It was also clear on closer inspection that the substance sprayed into its eyes was corrosive and the damage caused was permanent. As a result, on 31 May the decision was made to euthanize her.

On 27 May, SK3 and an unidentified female raided an occupied house where the occupant said that SK3 had been threatening. Unfortunately SK3 has developed bad raiding behaviour since joining the ST which is experiencing similar problems to the BT in that there are numerous fruiting trees in the residential area. The trees are fruiting and are therefore irresistible to the baboons luring them back into the residential area time and again. On 6 June, while raiding fruit trees, SK3 entered one house and the juveniles entered at least three other houses. On 14 June similar incidents occurred, also sparked by the availability of fruit in the area.

HWS: TROOP MONTHLY REPORT																														
SECTOR		CLASSES OF BEHAVIOUR																												
SOUTH EAST		1 In urban area										4 Attacking pets										7 Threatening behaviour/attack/stealing food								
BABOON TROOP:		2 Raid bins										5 Raid unoccupied house or vehicle										8 Breaking & Entering/Damaging property								
MONTH: June		3 Non malicious damage										6 Raid occupied house or vehicle										9 Nocturnal Raiding								
DA GAMA ST																														
YEAR: 2013																														
BABOON ID	Sex	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	TOTAL
Small Troop		1		1	1	1			2	2			1							2		6								9
DGF1	F			1	1					2			1							2		6		9	2	2		2		10
DGF2	F	2		1	1					2			1							2		6								7
UnID Female	F	2		2,6	1		2			2			1							2		6								9
UnID Female 2 (young)	F	1*	1	1	1	1	1	x																						6
UnID sub-adult	M			2	1					2	2	2	1	6,6,6						2		2,6						2,2	2	15
UnID Juvs		2		2	1					2	2	2	1	6,6,6						2		2,6							2	14
SK3	M	2		2,6	1		2			2	2	2	1	2,6						2	2	6								14
		%	TIME SPENT IN TOWN (Minutes)																								HRS			
Small Troop	3.1	25		180	120	10			30	60			20							60		90								9.92
Juveniles	6.0	60		240	120				30	60	30	45	20	90						60		270						20	120	19.42
Males	4.6	60		240	120		20		30	60	30	45	30	90						60	20	90								14.92
Roost: (Small)		AM	5	1	1	1	1	1	1	5	1	5	1	1	1	5	1	1	1	1	1	1	1	5	1	1	1	1	1	
Roost: (Small)		PM	1	1	1	1	1	1	1	5	1	5	1	1	1	5	1	1	1	1	1	1	1	5	1	1	1	1	1	
Roost Sites			1 Flats										2 Pines - Flats					3 Pines - Da Gama					4 Pines - Welcome Glen					5 Sport Fields Stables		
			6 Compass Bakery										7 Pines - Outspan					8 Jacks Shop					9 Elsie's Peak					10 Rotary Camp		
			11 Misty Cliff																											
ID Features of Baboons			DGF1 - Female with collar + blue/white tags																											
			DGF2 - Female with crooked hand																											
General remarks			1* Female sprayed in the eyes with unknown substance. Spent the following days in and around the urban area.																											

Fig.5. Raid sheet for Da Gama Small Troop (ST)

Births and Deaths

- DGF2 gave birth on 20 June and DGF5 on 21 June.
- On 1 June an unidentified female from DG Big Troop (BT) was killed by dogs.
- On 31 May a young adult female from the DG Small Troop was euthanized for humane reasons.
- Five infants and one juvenile were killed due to infanticide in the Da Gama BT.

RECOMMENDATIONS

Waste management: Issues at the Navy Barracks, i.e. Da Gama and Waterfall need to be addressed. HWS supplied the Navy with a solution to the waste problem and installed chains to secure the baboon proof bins to the walls at the Naval flats in Da Gama. This seemed to work well until very recently where some residents do not put household waste into the bins, and others pile waste on top of the full bins instead of using the next empty bin.

There are currently 20 bins available however it was noted that on one bin collection day, 10 of the bins remained empty but rubbish was piled on top of the bins instead. This issue is hampering efforts to rehabilitate baboons and curb raiding behaviour.



Fig.6. (a) Baboon proof bins, chained to the wall (Naval Flats, Da Gama); b) Waste dumped on top of and around bins, and (c) HWS Field ranger attempting to clean the rubbish.

The Waterfall troop will be herded past the signal school towards Swartberg on a daily basis in an attempt to keep them away from the Barracks and more specifically the waste area.

Clearing of invasive alien vegetation: SANParks has informed HWS that they will very soon be commencing with the clearing of the invasive alien vegetation behind Ocean View. This should enable the rangers to hold the line much more effectively.

South Western Region – Manager Nick Shaw

1. Groot Olifantsbos Troop

The GOB troop has been in the Cape of Good Hope Reserve for the period 26th May to 21st June. The troop has moved between the areas of Olifantsbos and the cliff site on the Bonteberg ridge (C2) but has spent the majority of the month in the Olifantsbos area. On the 16th June a large proportion of the troop managed to enter Scarborough at Gemsbok Rd where they raided bins and attempted to enter a number of houses. The alpha male and a number of females and juveniles did not enter Scarborough but remained just inside the fence in the Reserve. The troop was pushed out of Scarborough after 2 hours, except for one sub adult male and one female who stayed behind and slept in Scarborough overnight. These two were pushed out early the follow morning when they joined up with the troop at the Bonteberg sleep site.

2. Misty Cliffs Splinter Troop

For the majority of the month the troop has been at the Misty Cliffs (C1) roost site. On the 9th June the rangers pushed the troop into the Reserve but three females remained behind in Scarborough, hiding from the rangers who could not locate them for the rest of the day. The following day GOB5 forced its way past the rangers to join these females in Scarborough. The rangers tried to keep the rest of the troop in the Reserve but because the team had to be split to deal with the individuals in Scarborough, the rest of the troop eventually managed to break past the rangers and back into Scarborough and the Misty Cliffs roost site.

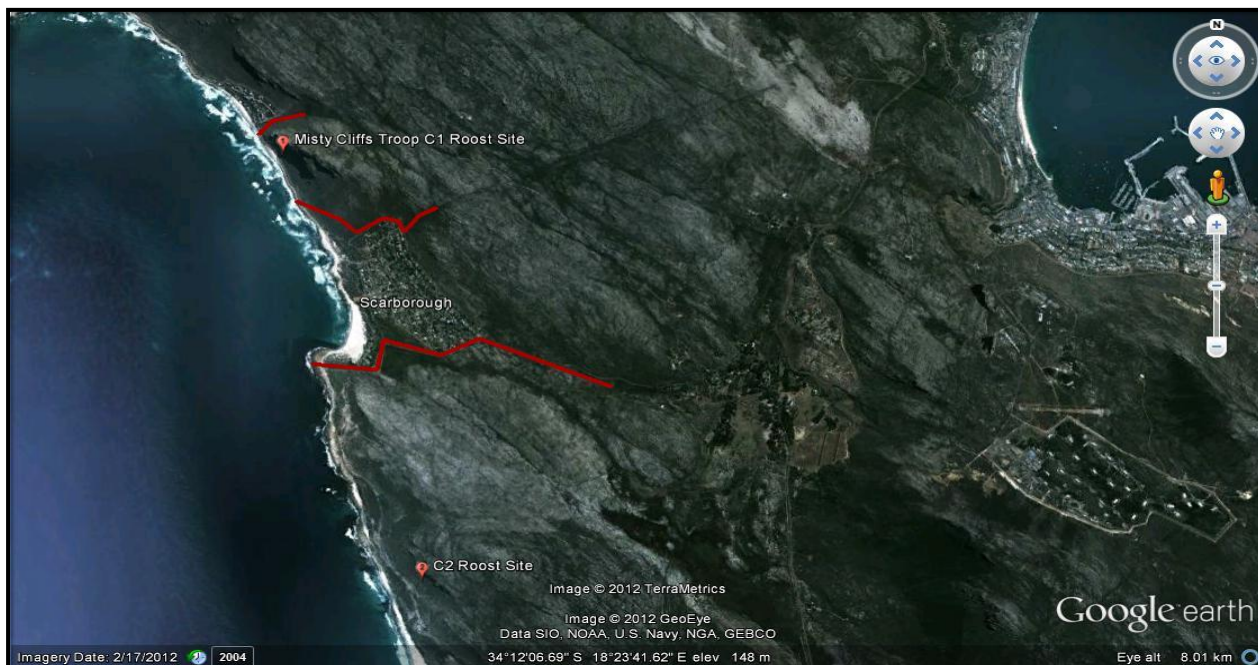


Figure 7: Misty Cliffs Troop Roost Sites for June 2013

June Raids:

On the 1st June GOB5 raided an occupied house in Iris Rd, Scarborough.

On the 5th June GOB5 attacked a dog in Mimosa Rd, Scarborough.



On the 12th June GOB5 raided an occupied house in Springbok Rd, Scarborough.

On the 21st June GOB5 broke into a house in Watsonia Rd by pulling the sliding door off its rails.

HWS: TROOP MONTHLY REPORT																																				
SECTOR		CLASSES OF BEHAVIOUR																																		
		1	In urban area										4	Attacking pets										7	Threatening behaviour/attack/stealing food											
BABOON TROOP:		Misty Cliffs		2	Raid bins										5	Raid unoccupied house or vehicle										8	Breaking & Entering/Damaging property									
MONTH: June		YEAR: 2013		3	Non malicious damage										6	Raid occupied house or vehicle																				
BABOON ID		Sex	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			TOTAL			
GOB5		M	1	1	2	1		1	1	6				4		1	1	2	1		6		1	5	2					8		17				
MC1		M	1	1	2	1	1	1	1	2			1	1	1	1	1	2	1	1	1		1	5	2	2	1	1	1	2		25				
Female with baby		F	1	1	2	1		1		1				1		1			1		1		1		2					2		13				
Unidentified female		F			2	1		1		1				1	1	1		2	1		1				2	2				2		13				
Unidentified female		F			2	1		1		1				1		1		2	1		1				2					2		11				
Troop			1	1		1		1		2	1			1		1			1		1			1	2					2		13				
	%	TIME SPENT IN TOWN (Minutes)																																HRS		
Troop		17.5	240	420	30	420		120	20	240	180			360		200			150		390			420	210					120		58h40				
Males & Females		22.2	240	420	30	420	360	120	20	240	180		60	360	30	200	20	120	150	60	390		20	420	210	15	120	180	60	120		74h35				
Roost:	AM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1							
Roost:	PM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1							
Roost Sites		1	Misty Cliffs										2	CoGH Reserve										3												
		6											7											8												
ID Features of Baboons		GOB5 had a double red tag and a VHF collar MC1 is young adult male.																																		
General remarks																																				

Figure 8: Raid Sheet for Misty Cliffs Splinter Troop June 2013

Comments and Observations

The major challenges this month were similar to the previous month. Fruiting trees in Iris Rd and negligent composting in Springbok/Gemsbok Rd provide the troop with easily accessible food which makes it much more challenging to keep the troop out of town. Since the open-ground composting has stopped in Mountain Rise the troop now heads straight for the Springbok Rd area whenever they break past the rangers on the mountain to access a compost heap there. When chased out of this area, the troop heads up to the Klip and Iris Rd area where there are fruiting trees at 4 Iris Rd.

MC1 continues to be the first individual to break away from the troop in the morning on its own or with one or two females and often remains in Scarborough alone for hours before returning to the troop.

3. Slangkop Troop

From the 26th May to the 21st June the troop has moved between the C2 and C3 roost sites. The troop has spent equal amounts of time at both roost sites.

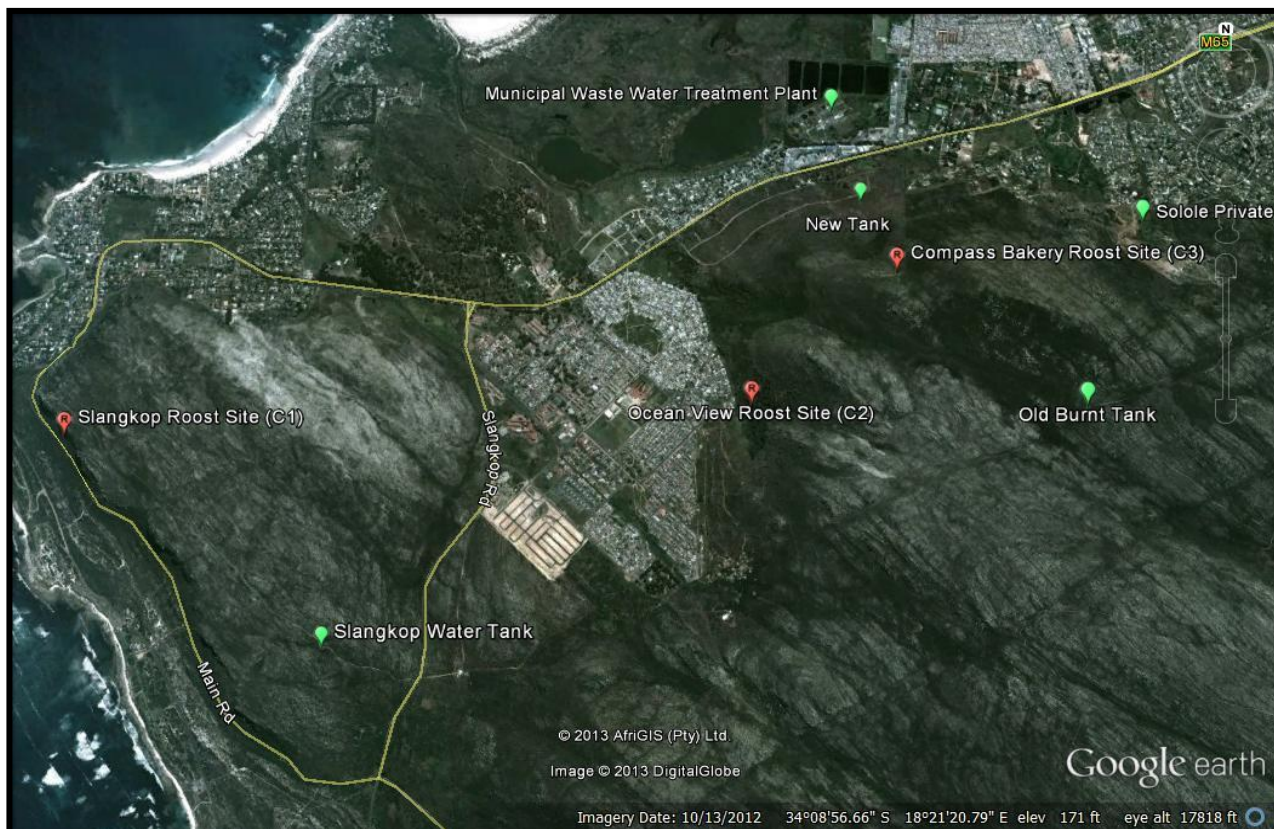


Figure 9: Slangkop Troop Roost Sites and Water Points June 2013

June Raids:

On the 30th May SK5 and two females raided an unoccupied house in Imhoff's Gift.

SECTOR		CLASSES OF BEHAVIOUR																														
		1 In urban area			4 Attacking pets			7 Threatening behaviour/attack/stealing food																								
BABOON TROOP: Slangkop		2 Raid bins			5 Raid unoccupied house or vehicle			8 Breaking & Entering/Damaging property																								
MONTH: June		YEAR: 2013		3 Non malicious damage			6 Raid occupied house or vehicle																									
BABOON ID	Sex	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	TOTAL		
DG6	M	1			2	2					2	1	2	2	1	2			2	2	2	2		2		1				15		
SK5	M	1	2		2	2	5				1		2	2	1	2				2	2	2		2		1	2		2	17		
Unidentified Female	F	1	2		2	2	5				1		2	2	1	2				2	2	2	2		2		1	2		2	18	
Unidentified Female	F	1	2		2	2	5				1		2	2	1	2				2	2	2	2		2		1			2	16	
Unidentified Female	F	1	2		2	2					2		2	2	1	2				2	2	2	2			1					14	
Troop		1			2	2					2		2	2	1	2				2	2			2		1					12	
	%	TIME SPENT IN TOWN (Minutes)																										HRS				
Troop	4.0	90			60	90					30		30	10	60	20				20	90			180		120					13h20	
Males + Females	4.7	90	15		60	90	30				30	10	30	10	60	20				20	20	90	30		180		120	15		20		15h40
Roost:	AM	3	3	2	2	2	3	3	3	3	2	2	2	2	3	3	3	2	3	3	3	2	2	2	3	3	3	2	2	3		
Roost:	PM	3	2	2	2	3	3	3	3	2	2	2	2	3	3	3	3	2	3	3	3	2	2	2	3	3	3	2	2	3	3	
Roost Sites		1 Slangkop			2 Ocean View			3 Compass Bakery			4			5																		
		6			7			8			9			10																		
ID Features of Baboons		DG6 has a yellow cable tie tag																														
General remarks		There was one birth recored for the month of June																														

Figure 10: Raid Information Sheet for Slangkop Troop – June 2013



Comments and Observations

For most of the month the troop has been prevented from entering the urban areas. Most of the raids for this month took place at Compass Bakery. In the last month or two, waste management at Compass Bakery has allowed baboons access to food from bins that are neither locked nor baboon proofed. This has resulted in an increase in the number of times the baboons have visited Compass Bakery this last month.

SK5 and one to two females continue to raid Imhoff's Gift by jumping over the electric fence at Penny Pinchers, Heron Park. The electric fence has been upgraded to prevent baboons accessing Imhoff's Gift from here but there are still platforms from which they can launch off and over the fence, landing in trees on the other side.

The rangers have reported that one or two females continue to sleep away from the troop on their own and sometimes with SK5. These are the same females that used to form the splinter in the troop with TK5 and subsequently SK2, SK4 and now SK5. Mostly these females will sleep a short distance away from the troop but on three occasions in the last month they have slept at the C2 roost site while the rest of the troop has slept at the C3 roost site.

Births and Deaths

There was one birth in the Slangkop troop recorded for this month and no deaths recorded for either Slangkop or the Misty Cliffs troop.

RECOMMENDATIONS

The strategy for the Misty Cliffs Splinter troop over the next month will be to return them to the Reserve and prevent them from entering Scarborough and returning to the Misty Cliffs roost site. It is not possible to effectively manage this troop at the C1 roost site. The long term goal is to condition the troop to thinking of the C2 cliff site in the Reserve as their preferred roost site. As it is difficult to keep the troop in the Reserve for extended periods of time further measures must be looked into that will help to keep the troop in the Reserve permanently.

The recommendation for the Slangkop troop in the next month is to closely monitor the behaviour and movements of SK5, now the only male that is breaking away from the troop to raid surrounding areas. The waste management at Compass Bakery needs to be monitored and addressed if the baboons continue to access food from bins and skips on site. The weak points along the fence line at Imhoff's Gift need to be identified and measures put in place to eliminate these as access points for baboons into Imhoff's Gift.

North Region – Manager Stefan Theron

1. Tokai Main Troop

The Tokai troops spent most of the past month ranging in the lower foothills area surrounding Chrysalis academy and the lower levels of SANParks land. Their tendency to spend more time in the lower levels is most likely in response to the cold and rainy weather experienced this past month. This downward movement has caused them to overlap more with the residential and tourist areas.

During the past month mainly two individuals were reported as causing problems, namely TK24 and TK28.

On Tuesday the 28th May TK 24 left the troop and foraged on garbage bins in the Forest Glade residential complex situated on the urban boundary. TK 24 is the oldest male in the Tokai main troop and has a minimal number of teeth left preventing him from effectively foraging on tough pine cone nuts.

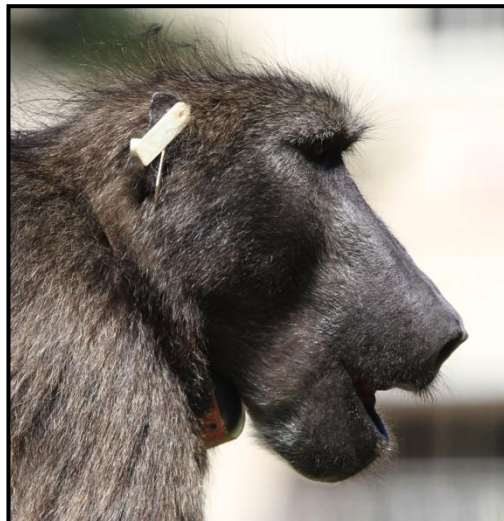


Figure 11: TK24 – Tagged White/White and VHF collared. His dentition is very poor and all his canines appear to have been lost

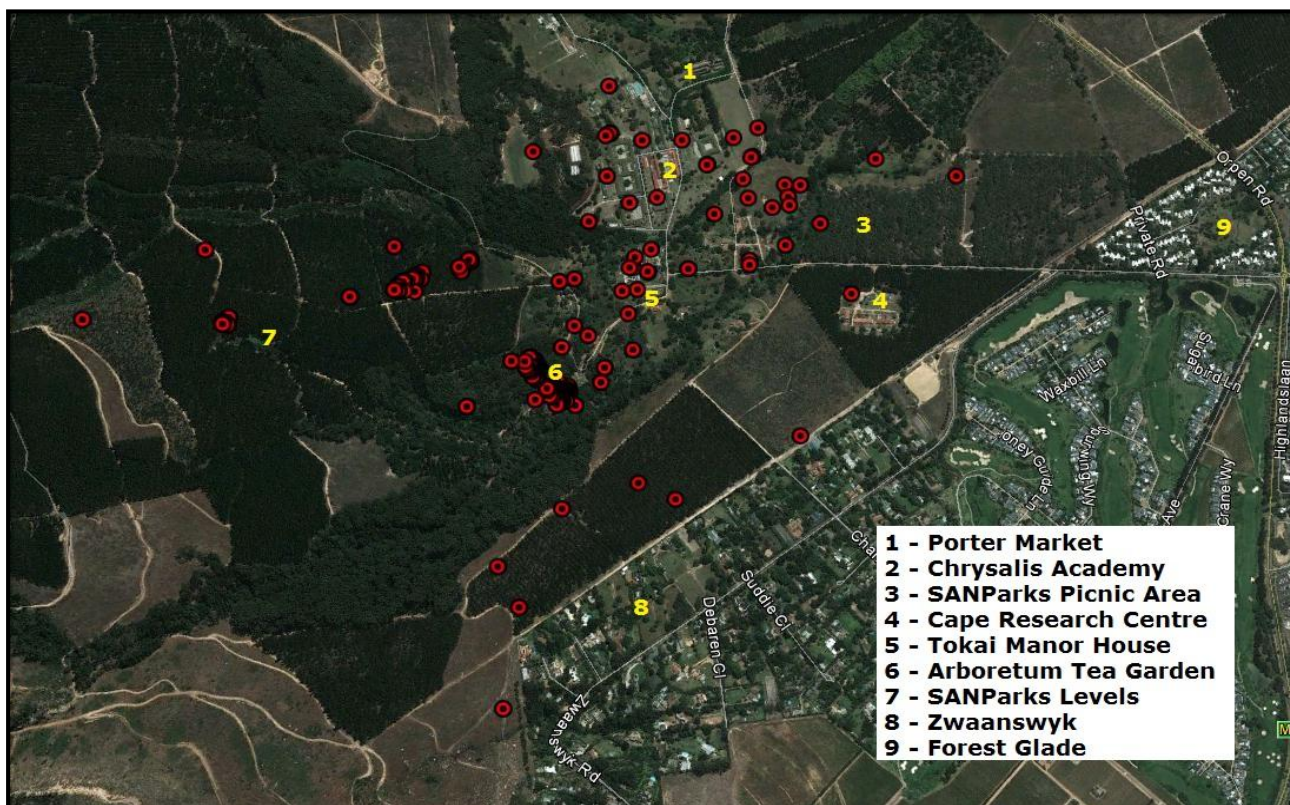


Figure 12: Spatial ranging of Tokai Main troop 25 May to 21 June 2013 (GPS collar data).

On Wednesday, 29th May a sub adult male stole food from a bag belonging to a stable worker.

On Thursday, 30th May TK28 and others belonging to the troop raided a garbage drum during a film shoot in the SANParks corporate braai area.

On Friday 31st May TK24 made a number attempts to enter the urban edge but was stopped each time by locating it using the VHF tracking collar. TK24's raiding attempts have resulted in perpetual monitoring by rangers in an attempt to intercept it. On Thursday, 13th June TK24 gained entry to Forest Glade and Tokai Road once again and raided refuse bins.

On Tuesday, 18th June at 15h30 the troop foraged in the vicinity of the Arboretum tea garden, and shortly afterwards TK24 raided Tribakery's refuse bins as well as other bins on Tokai Road. TK24 maintained a distance of approximately 1.5km for a period of 20 minutes without being detected by the rangers. However it still responds to paintball marker aversion and is chased back with relative ease.

On Thursday, 20th June a number of the troop went over the electric fence at the SANParks picnic area where the animals enter and exit the picnic site via tree branches extending over the fence. TK28 stole a loaf of bread off a picnic table.

HWS: TROOP MONTHLY REPORT																															
SECTOR		CLASSES OF BEHAVIOUR																													
		1	In urban area					4	Attacking pets					7	Threatening behaviour/attack/stealing																
BABOON TROOP:		2	Raid bins					5	Raid unoccupied house or vehicle					8	Breaking & Entering/Damaging property																
MONTH: June		3	Non malicious damage					6	Raid occupied house or vehicle																						
BABOON ID	Sex	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	TOTAL	
TK24	M				2																2					2				3	
TK28	M						2																					7		2	
	%	TIME SPENT IN TOWN (Minutes)																													HRS
Males	0.05				30		0														30					30		0		1.50	
Troop	0.00																													0.00	
Roost:	AM	1	1	1	3	1	1	1	1	1	1	1	3	1	3	1	1	1	1	3	1	1	3	3	3	1	1	1	3	3	
Roost:	PM	1	1	3	1	1	1	1	1	1	1	3	1	3	1	1	1	1	3	1	1	3	3	1	1	1	3	3	3		
Roost Sites					1	SANParks Arboretum Tea Garden										2	Cape Research Center														
					3	Eagle Owl Guesthouse																									
ID Features of Baboons					TK24 - Tagged White/White and VHF collared.																										
					TK28 - Tagged Blue/Green and GPRS/VHF collared.																										
General remarks					Highlighted sleeping sites indicates when the Zwaanswyk splinter troop and the Tokai main troop roosted in close proximity to each other in the same sleeping area.																										

Figure 13: Raid Sheet – Tokai Main Troop

2. Zwaanswyk Splinter Troop

Towards the end of May, the Zwaanswyk splinter troop shifted its primary roosting site to the pine plantation next to the Cape Research Centre and "bos dorp" area next to Tokai Road. This could be due to the Tokai main troop shifting its primary roosting site close to the ZWK troop's primary summer sleeping site (next to the Arboretum tea garden), or due to the cold and wet weather conditions. Large scale logging operations that have been taking place recently have

also resulted in the Zwaanswyk (ZWK) troop's secondary summer sleeping site being removed. Both of the Tokai troops have been seen moving into the newly logged areas to forage on exposed vegetation.

On Saturday, 25th May both Tokai troops foraged in the vicinity of the Tokai manor house. This was not the first time that sub-adults and juveniles from both troops have intermingled, and intermingling also took place on Sunday, 26th June lower down on Tokai Rd near the stables. However, the ZWK alpha male, TK35, herded his troop away if the Tokai main troop sub adult males got too close to the troops' females or if the larger Tokai main troop alpha male, TK 28, was present.

The troops now spend more time near Tokai road and there have been a few instances where cars have sped past almost hitting baboons. Horses have also been put at risk along this stretch of road.

On the 6th of June TK35 entered a house (through an open door) situated near the stream on Tokai Rd and on SANParks land. Another incident involved a female entering the tea garden and stealing food off the outdoor benches. On Monday, 10th June the troop raided refuse bins at the "bos dorp" staff houses, which is next to its new sleeping site.

HWS: TROOP MONTHLY REPORT																															
SECTOR		CLASSES OF BEHAVIOUR																													
		1	In urban area					4	Attacking pets					7	Threatening behaviour/attack/stealing																
BABOON TROOP:		2	Raid bins					5	Raid unoccupied house or vehicle					8	Breaking & Entering/Damaging property																
MONTH: June		3	Non malicious damage					6	Raid occupied house or vehicle																						
YEAR: 2013																															
BABOON ID	Sex	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	TOTAL	
Unidentified	F													7																1	
TK35	M													6																1	
	%	TIME SPENT IN TOWN (Minutes)																													HRS
Males	0.00													0																0.00	
Troop	0.00													0																0.00	
Roost:	AM	2	2	1	3	2	2	1	1	1	2	2	2	2	2	1	1	2	2	2	1	1	1	1	1	1	2	1	2		
Roost:	PM	2	1	3	2	2	1	1	1	2	2	2	2	2	1	1	2	2	2	1	1	1	1	1	1	2	1	2	1		
Roost Sites					1	SANParks Arboretum Tea Garden										2	Cape Research Center														
					3	Eagle Owl Guesthouse																									
ID Features of Baboons					TK35 - Large subadult male. Troop alpha. Tagged Red/Yellow and VHF collared.																										
General remarks					Higlited sleeping sites indicates when the Zwaanswyk splinter troop and the Tokai main troop roosted in close proximity to each other in the same sleeping area.																										

Figure 14: Raid Sheet – Zwaanswyk Troop

3. Constantia Troop

The Constantia troop has behaved in a similar pattern to the previous month with the troop primarily roosting on the Eucalyptus tree stands on the boundary of the Klein and Groot Constantia farms. The troop is chased off Klein Constantia and spends the majority of its time on Groot Constantia around the Kasteel and the compost dumps. This brings the troop and raiding males close to the western Price Drive urban boundary. Some of the males attempt to move towards the urban area but are pushed back by HWS rangers. The troop has moved onto the vineyards and spends most of its time on the farms.

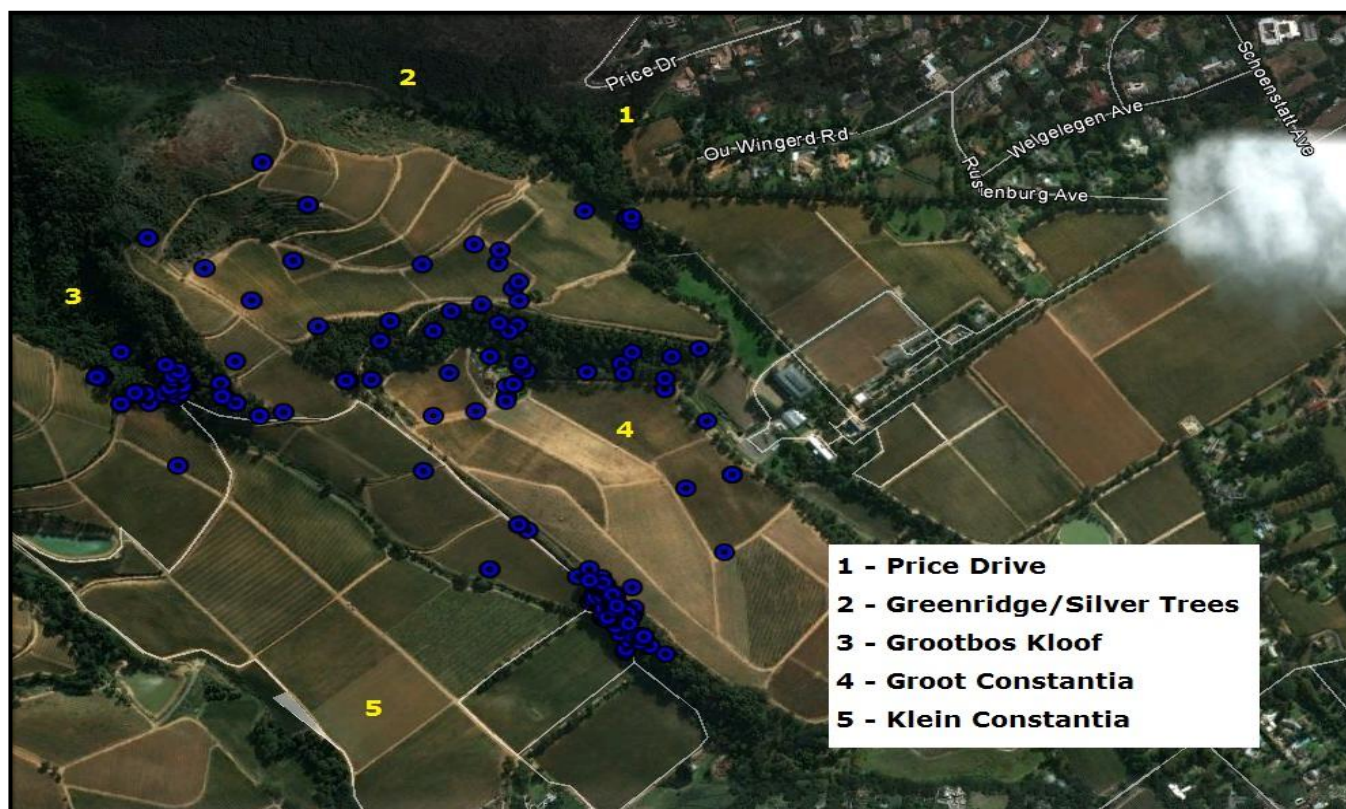


Figure 15: Spatial ranging of Constantia troop 25 May to June 2013 (GPS collar data).

The large size of the troop, limited manpower and the topography of the vineyards on the mountain side can sometimes pose a daunting task to manage the troop. Four males have been identified as causing the majority of incidences on the Constantia farms raiding the Jonkershuis and Simons' restaurants as well as associated infrastructure in the vicinity.

The alpha male, TK13 (tagged Green/Orange), seems to be the main perpetrator with TK33 (tagged Orange/Red), TK34 (tagged Orange/Orange) and TK30 (untagged with a slashed lip and nose) being close contenders.

4. Mountain / Ghost Troop

Due to the increased activity in the larger Tokai main and Constantia troops this month, manpower was limited with regard to monitoring this troop on a daily basis. The troop's primary roost remains in the large Eucalyptus plantation on the border of Buitenverwachting.

This month the troop spent the majority of its time attempting to enter the Buitenverwachting vineyard to forage. It succeeded on a number of occasions but was then being chased back by vineyard monitors. The troop primarily gains access through the old Eucalyptus plantation on the kloof along the farm's boundary at the south western corner of the fence. The troop has occasionally moved high up in the levels, but compared to the other Northern troops, this troop doesn't range far from its primary roosting site.



Water Point Data

All of the troops in the northern region had good access to water drinking from a variety of water sources. There are many natural and manmade water sources that have been fed by the rains particularly on the lower slopes of the mountains. No shortage of water has been recorded for any of the troops during June 2013.

Births and Deaths

Over the past month there was 1 birth in the Tokai Main troop, and 2 births in the Constantia troop. No deaths were recorded.

RECOMMENDATIONS

- Clearing of the upper plantations has had a noticeable impact on the movement of all the Northern troops having reduced both foraging and physical habitat for the baboons which could result in the troops becoming more reliant on the farms for resources. The capacity for the area should be assessed taking into consideration the population growth that is also taking place in the troops.
- Effective signage needs to be erected at the corner of Zwaanswyk & Tokai Roads, at the Chrysalis academy, Arboretum Tea Garden parking area and Tokai picnic area warning visitors not to have food and drinks exposed, to keep their vehicles locked, and advising them that baboons are able to cause damage to parked vehicles (this ranges from broken off side-mirrors, windscreen wipers, antennae, cracked windshields and rubbers removed from doors and windows).
- In the Price Drive area refuse bins need to be baboon-proofed. With the grape harvesting finished and food sources depleted on farms, baboons will focus attention on urban areas and the vineyards' restaurants.
- Cars often travel in excess of the speed limit on Tokai road below the SANParks picnic site. In order to prevent baboons or horses being hit by cars, it is recommended that some traffic slowing devices be installed along this section of road. Additional signage is also recommended.

C. GENERAL COMMENTS ON ALL BABOON TROOPS

Population Data

Population Data for the Eleven Managed Troops on the Cape Peninsula									
	Dec 2012	Jan 2013	Feb 2013	Mar 2013	Apr 2013	May 2013	June 2013		
TROOP	Total	Total	Total	Total	Total	Total	Births	Deaths	TOTAL
Da Gama BT	42	42	43	46	45	37		7	30
Da Gama ST	12	12	12	12	11	11	2	1	12
Smitswinkel Bay	23	23	22	22	22	21			21
Waterfall Groot	28	28	28	28	28	28			28
Olifantsbos	19	19	19	19	20	20			20
Misty Cliffs									
Splinter	18	18	18	18	17	17			17
Slangkop	33	34	35	37	36	36	1		37
SUB TOTAL	175	176	177	182	179	170	3	8	165
Zwaanswyk Splinter	25	28	28	27	27	28			28
Tokai	61	62	62	62	62	63	1		64
Mountain	33	35	36	39	40	41			41
Constantia	60	61	62	64	66	68	2		70
SUB TOTAL	179	186	188	192	195	200	3	0	203
TOTAL	354	362	365	374	374	370	6	8	368

Figure 16: Population Data for the 11 Managed Troops

Over the past month there have been a small number of births in both the northern and southern managed troops. However, the major event of the past two months has been the infanticidal spree engaged in by SK4. Over this period he has killed every baby (total of 10) in the troop and one juvenile. The effect on the troop dynamics has been to make most of the females and juveniles very scared of him, with the result that the troop has tended to split up into those animals that prefer to seek the company and relative safety of DG1, while the more adventurous raiders have been following SK4 into Ocean View. With the change in weather and troop dynamics, parts of the troop have been sleeping at Witsand, others at the Rasta camp, and some have even taken to sleeping in town (Ocean View).

The effect of the infanticides on the population has also been dramatic. With the slow growth rate in the southern sub population, their total population size has actually decreased by 10 since 1 January 2013. The Da Gama BT has declined by 12, the Slangkop troop has increased by 4 while the rest of the troops' numbers have stayed almost exactly the same.

In the northern sub population all the troops have increased in size over the past six months. The two Tokai troops have had modest increases of 3 each, whereas the Mountain troop has increased by 8 and the Constantia troop by 10. Thus the positive correlation between availability of food and population growth mentioned in previous monthly reports is still very evident.

It will be interesting to note over the next month or two whether the two births in the Da Gama small troop have a positive effect on the behaviour of SK3. Since arriving and taking over as the alpha male, this male has shown little inclination towards his duties as the troop leader, and rather been inclined to go off raiding for food on his own. It will now be very useful to see if he fulfills predictions and spends more time with his females and offspring and is less inclined to leave them alone in order to go raiding.

Hotline Data

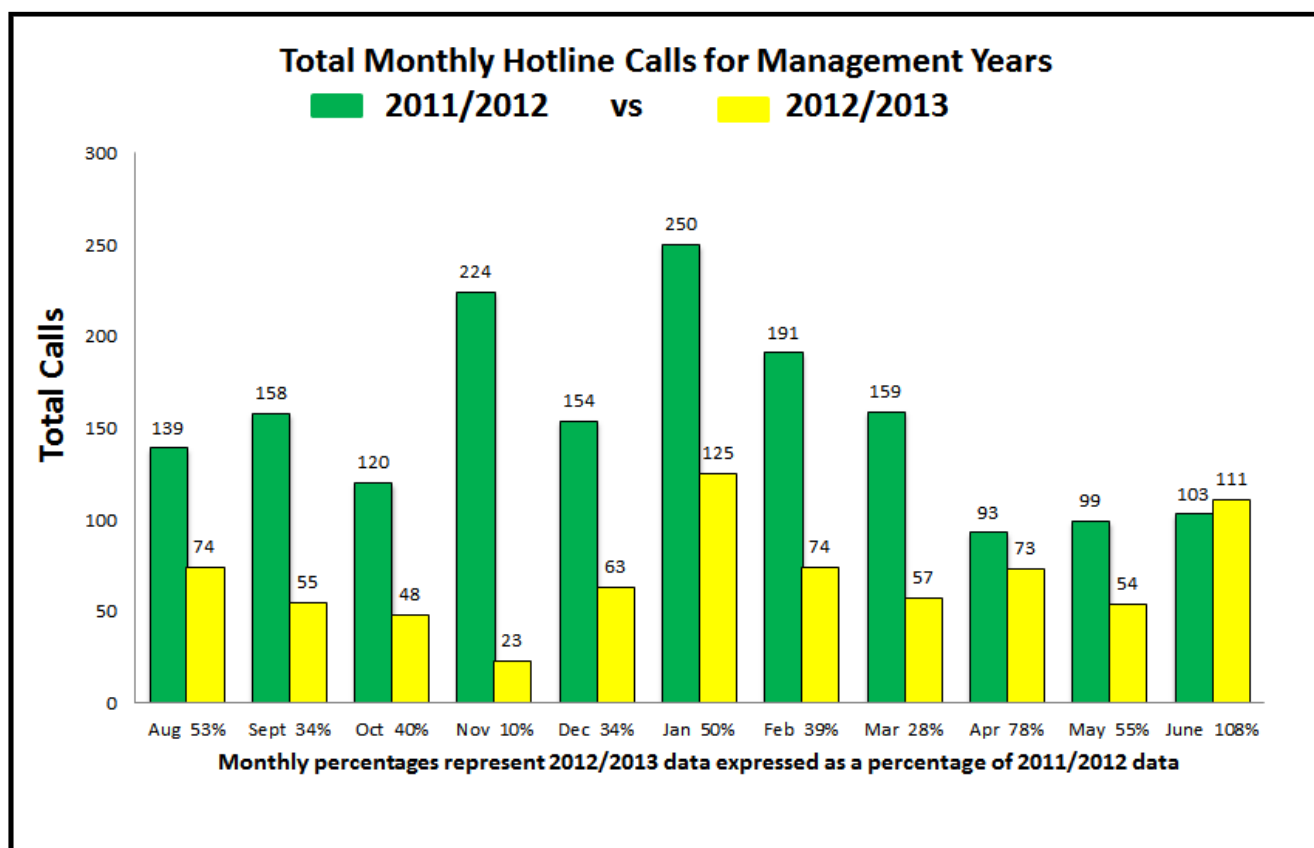


Figure 17: Total monthly hotline calls for management years

Over the past month there has been a relatively high number of hotline calls (Fig. 19). As usual most of these calls emanate from Scarborough (Fig. 20). For the first month in a long time the rangers were not able to push the Misty Cliff's Splinter troop back into the park, so there has been raiding on almost a daily basis for the whole month. Once again the raiding has mostly been done by the two males and a few solitary females keeping a low profile in town.

Ocean View has also been regularly raided by baboons this month. This has been compounded by the large number of fruiting trees in town, the social upheaval in the troop (Da Gama BT), the high levels of waste inside and out of town and also the very extensive patch of alien vegetation to the south and west of Ocean View. It is almost impossible to prevent the baboons from hiding and running through this vegetation right up to the border of Ocean View and therefore one cannot establish a buffer zone between it the baboons' favourite sleep sites. Fortunately SANParks have committed to removing this patch of alien vegetation in the near future and so it should no longer be a problem within the next month or two.

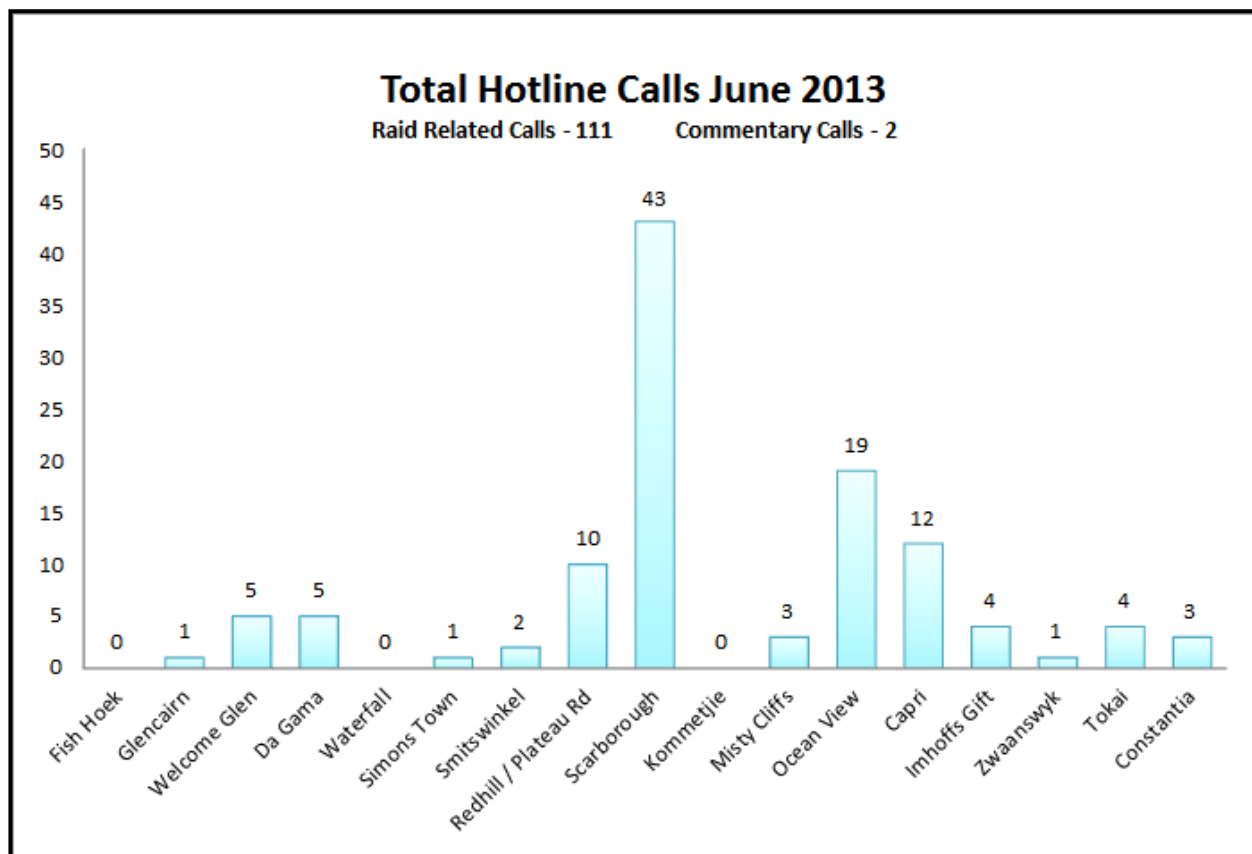


Figure 18: Hotline call report per area

It is pleasing to note that 88% of hotline calls over the past month were simply reporting baboons in town (Fig. 21). It is however less pleasing to note that just over half these raid calls were for baboons raiding occupied houses or breaking and entering. Once again most of these raids were by alpha males, particularly GOB5 and SK4, who were raiding Scarborough and Misty Cliffs, and Ocean View respectively. The difficulties of containing these males have been discussed above and in previous reports, and HWS will continue to work on strategies to minimize their raiding.

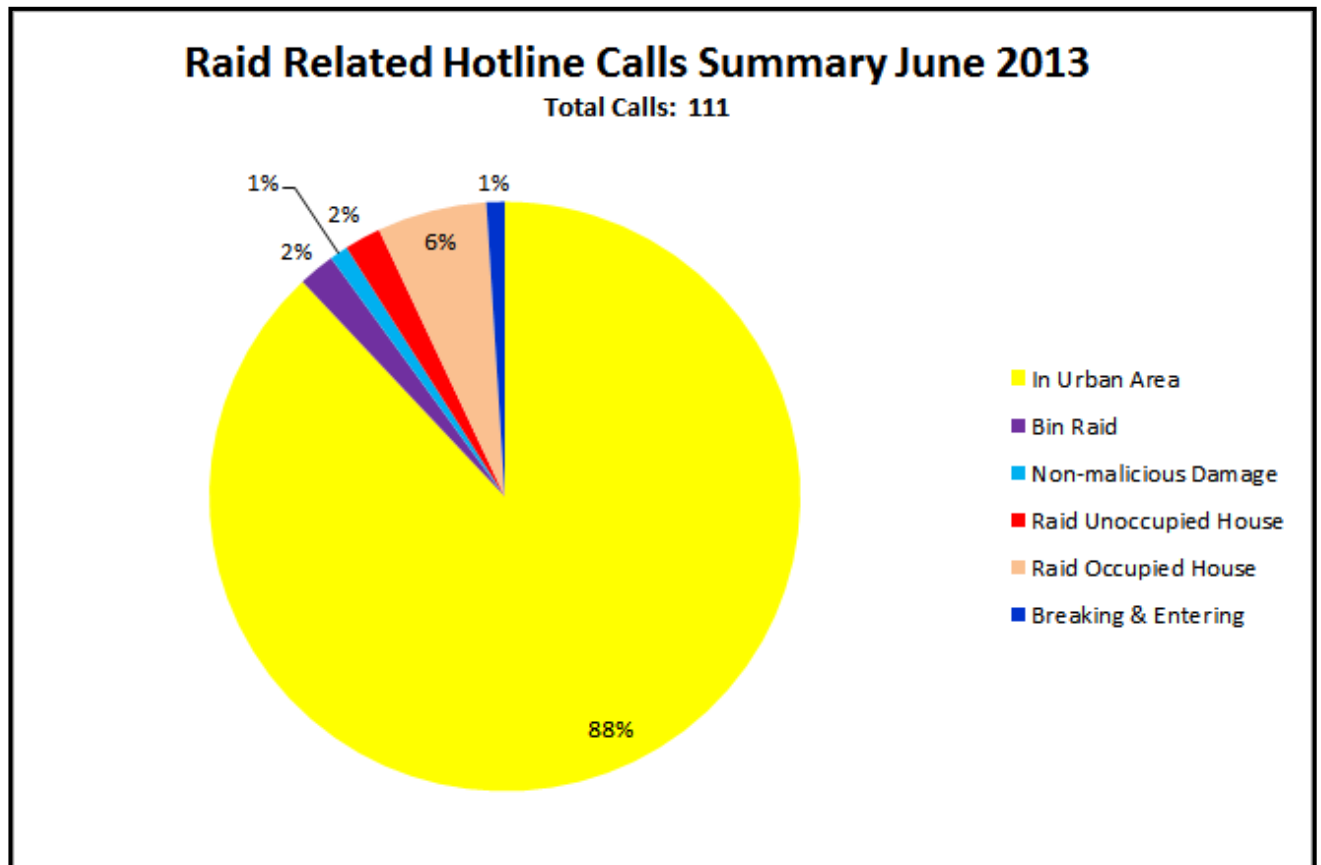


Figure 19: Hotline calls summary

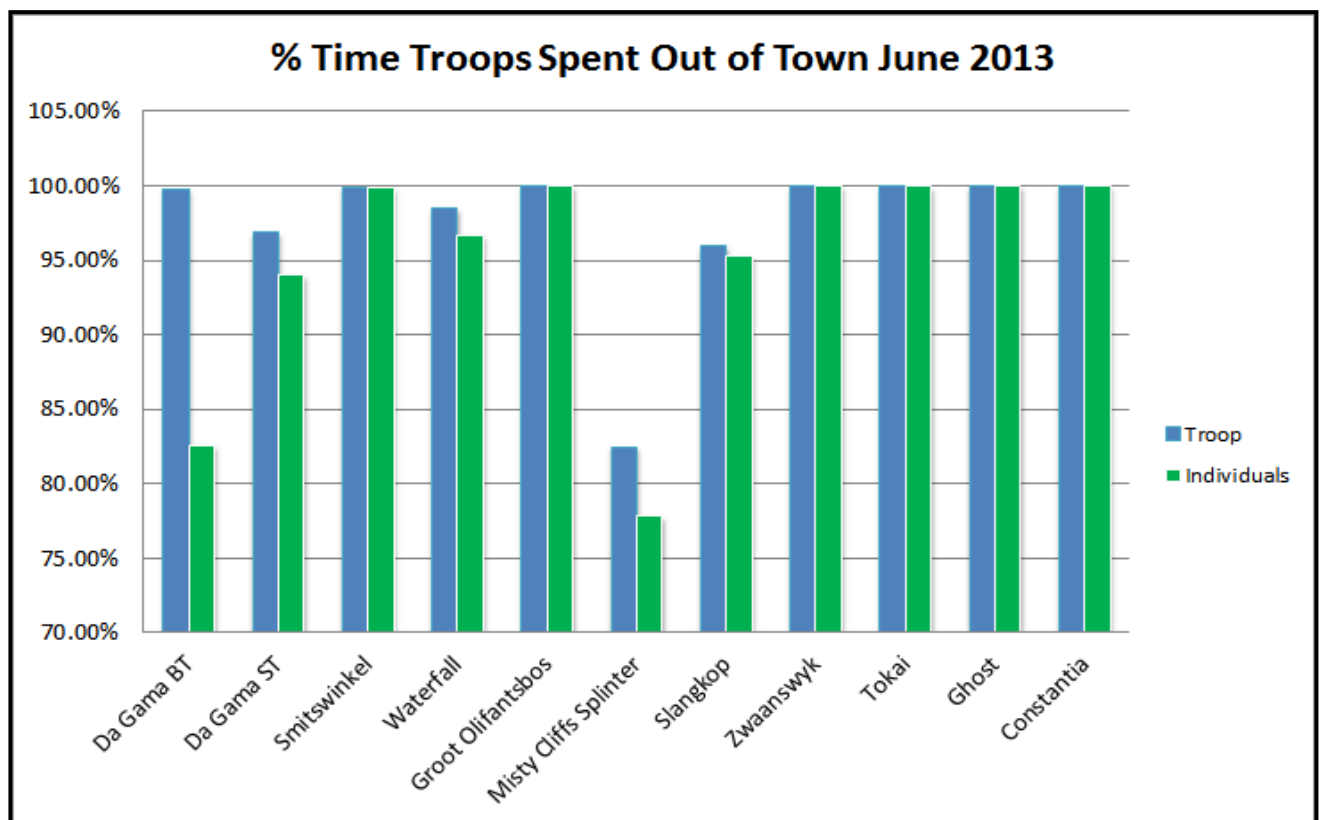


Figure 20: Percentage time troops spent out of town



As noted in previous monthly reports, the percentage time the troops spent in the urban areas correlates closely with the number of hotline calls reported for each area. The Misty Cliffs' Splinter troop has been the troop most difficult to contain because it has been sleeping within a few hundred meters of Scarborough and can raid along a long front and from a definite height advantage from the north and east of town. This is the only troop where both the troop and the worst raiding individuals have both been in town to a relatively high degree ($\pm 20\%$ of time). In all the other troops, the troop has been kept out of town over 95% of the time, and it has only been a few individuals who have been raiding town.

General Summary

Probably the two most notable events of this past month both relate to the social behaviour of alpha males, namely, infanticide and troop protection. The first event has been the very high incidence of infanticide by SK4 which he began in May. The infanticide continued until such time as all the infants and one juvenile in the Da Gama BT were killed (total of 11). This has had the effect of splitting the troop and with some individuals preferring to stay with old deposed male DG1, and others preferring to go raiding in Ocean View with the new alpha SK4. The situation is still very fluid and it will be most interesting to see what develops over the next month.

The other very interesting development is that the Da Gama ST has finally started to produce babies sired by the new male SK3. To date this male has shown no inclination towards being a protector and leader of the troop, preferring to go raiding on his own and leaving his troop to their own devices. Now that he has two offspring it should be most enlightening to see if his behaviour changes towards his troop and he starts to look after his investment. It has been a management policy for the past few years that alpha males should be protected whenever possible because they act as a cohesive force for the troop and a socially well behaved troop should be much easier to manage than a disjointed one. The case of SK3 will be perfect example to see if this policy is justified.

Dr. Philip Richardson
Human Wildlife Solutions