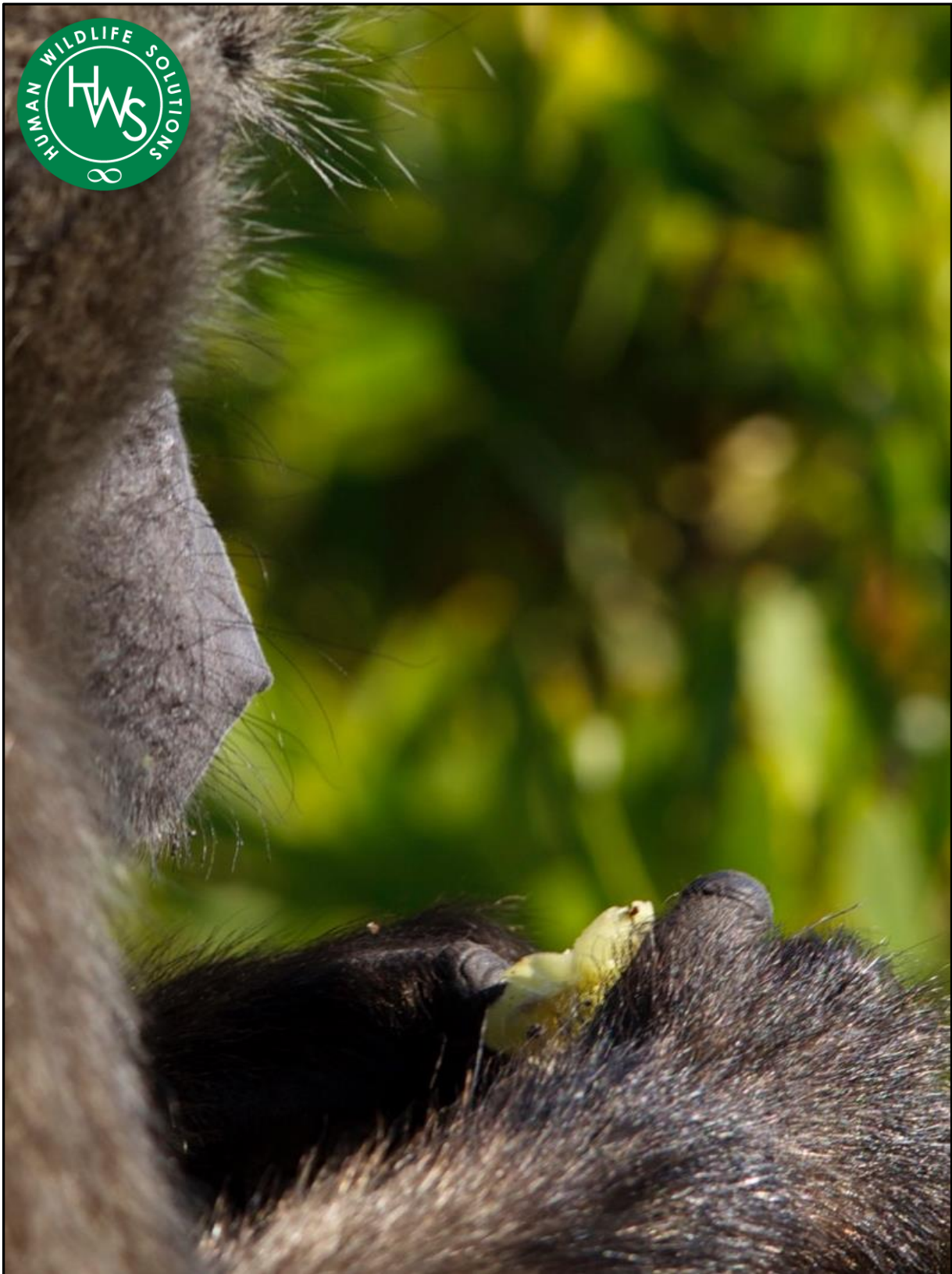




Human Wildlife Solutions

Monthly Report

October 2015

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A. INTRODUCTION

This monthly report covers the period 26 September until 23 October 2015. Early summer is traditionally the easiest time to manage baboons and when there are generally the least amount of hotline calls. Although the troops were all well behaved (average 99.4% of time out of town), there were an unusually high number of hotline calls this month (93 raid related calls for areas with managed troops). However, most of these calls came from Simonstown (47 calls) and Scarborough (26 calls), and relate to a few special incidents this month.

Probably the most notable incident this month, had nothing to do with baboons, but rather with people. This was the unrest in Masiphumele, in which there were many incidents involving clashes with the police, and during which it was extremely unsafe for HWS staff to travel to and from their houses and go to work. All but three of the 49 HWS rangers and supervisors that live in the south, live in Masiphumele, so HWS was very often short staffed in the evenings, or for whole days during these periods of unrest. HWS managed to transport rangers from the north to mitigate this problem, and on three days the City Biodiversity Department kindly managed to send four reserve staff to assist as well. The ultimate effect of HWS being short staffed for this period, was that raiding events increased and, most notably, the Misty Cliffs Troop managed to break out of the CoGH Reserve and into Scarborough.

The Misty Cliffs Troop remained out of the reserve for the rest of the month. On top of this, GOB7, the alpha male from the GOB Troop, brought his troop with him while he followed the Misty Cliffs Troop in order to mate with two oestrous females. The GOB Troop slept at Misty Cliffs for the next two weeks and during that time the two troops became fully integrated as one troop. However, after two weeks, GOB7 took his troop, and the two females with whom he had mated, back into the CoGH Reserve, leaving the Misty Cliffs Troop with only nine individuals, of whom three are babies. The full assimilation of the Misty Cliffs Troop into the GOB Troop is thus very possible. The only reason why it did not occur this month was most probably because the three females with babies were very scared of GOB7, which frequently tried to kill these babies.

The high number of hotline calls this month for Simonstown, relate primarily to three individuals. SWB8, is showing signs of dispersal and frequently left his troop to raid town, particularly Murdoch Valley. In addition, TK19 and WFF4 frequently left the Waterfall Troop and raided Simonstown on their own.

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

The Smitswinkel Bay Troop utilized the extent of their home range during the reporting period. Sixteen nights were spent roosting in the northern region and 12 nights were spent roosting in the southern region. The troop spent the majority of the month foraging along the mountain slope on fynbos and invasive alien vegetation. When the troop roosted in the southern region of their home range, they would move down to the intertidal zone, between Bluegums and Smitswinkel Bay, to forage on marine invertebrates.

The Smitswinkel Bay Troop did not enter the urban area during the reporting period and no raids were recorded. The only individual raids recorded were made by SWB8. He visited the urban area on 13 occasions and raided five different houses. The longest recorded time in town was 50 minutes. On the other occasions, the time in town ranged between 5 and 30 minutes. These raids took place at Castle Rock, Rocklands Centre and Simon's Town. On 12 October, SWB8 stole food from a contractor working at the Rocklands Centre.

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:	SMITS	2	Raid bins	5	Raid unoccupied house or vehicle		8	Breaking & Entering/Damaging property																						
MONTH: October	YEAR: 2015	3	Non malicious damage		6	Raid occupied house or vehicle		9	Nocturnal Raiding																					
BABOON ID	Sex	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
SWB6	M																													0
Troop																														0
UnID Individuals																														0
UnID Fem	F																													0
SWBF1	F																													0
SWB8	M							1		5	5			6	1	1	1	7	5	1	2		6		2					13
UnID Male	M																													0
UnID Juveniles																														0
	%	TIME SPENT IN TOWN (Minutes)																											HRS	
Troop	0.0																													0.00
Individuals	0.8							5		5	20			10		10	10	5	15	20	30		15		13					2.63
Roost:	AM	5	5	5	5	3	3	1	1	1	5	5	5	4	5	5	5	3	2	1	1	3	3	6	5	3	3	3	5	
Roost:	PM	5	5	5	4	3	1	1	1	5	5	5	4	5	5	5	3	2	1	1	3	3	6	5	3	3	6	5	5	
Roost Sites		1	Smits Caves				2	Partridge Point				3	Bluegums				4	Millers Point				5	Rocklands Farm							
		6	Castle Rock				7	SANParks				8					9					10								
ID Features of Baboons		SWB6 - red/blue tags + collar. SWB8 - purple/orange tags + collar.																												
General remarks																														

Figure 1: Smitswinkel Troop raid sheet for October 2015.

During this reporting period SWB8 started showing signs of dispersing behaviour. On 6 October, SWB8 left the troop and joined the Waterfall Troop that was situated high on the mountain above the

Rocklands Farm. Later that same day he returned to the Smitswinkel Bay Troop. Following this incident SWB8 started leaving the troop and entering the urban area on a regular basis. He then dispersed from the troop on 11 October and roosted alone at the Rocklands Farm sleep site.

On 13 October, SWB8 left the Smitswinkel Bay Troop's home range and moved north to Simon's Town. On 14 October, SWB8 joined TK19 and WFF4. The three baboons roosted together above the Simon's Town urban area. The three baboons remained together until 21 October. Towards the end of the reporting period he moved alone towards Red Hill and Klawer Valley.

2. Waterfall Troop

Between 26 September and 8 October the troop mostly utilized sleep sites situated above Simon's Town, and only roosted at the SANAD sleep site on two occasions. On 9 October, the troop returned to the SANAD and Klaasjagersberg mountains, where they remained until the end of the reporting period.

This month the Waterfall Troop entered the urban space on two occasions, spending at total of 124 minutes there and raiding two bins. The troop entered the naval area at SANAD on only one occasion and raided some bins. Individual baboons were recorded in the urban space on 38 occasions. A total of 15 raids were recorded for TK19, eight raids for WFF4, three for WFF3 and two for TK42.

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:	WATERFALL	2 Raid bins		5 Raid unoccupied house or vehicle		8 Breaking & Entering/Damaging property																								
MONTH: October	YEAR: 2015	3 Non malicious damage		6 Raid occupied house or vehicle		9 Nocturnal Raiding																								
BABOON ID	Sex	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
Troop									2	2,2									2											3
TK19	M	2	2	2	2	2		2		2,2	1			2,5	2		1	2		1	2,7	1	6							19
TK42								1							1						2									2
WFF3	F														1		1	2												3
WFF4	F													2,5	2		1	2		1	2		6							8
UnID Females	F	2	2	2	2	2			5																					6
UnID Juveniles																														0
UnID Male	M																													0
UnID Individuals																														0
	%	TIME SPENT IN TOWN (Minutes)																												HRS
Troop	0.6									64	60																			2.07
Individuals	2.3	28	40	15	50	30		25			15				55		35	24		40	30	10	50							7.45
Roost:	AM	1	1	6	1	1	2	10	9	6	6	14	10	14	14	10	10	10	10	10	10	10	10	10	10	10	10	10		
Roost:	PM	6	6	1	1	1	10	9	6	6	14	10	14	14	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	
Roost Sites		1 Waterfall Cliff				2 Happy Valley Mtn				3 Signal School				4 Waterfall Barracks				5 Mountain Residents side												
		6 Admiral footpath				7 Cape Farm House				8 Happy Valley Home				9 Red Hill				10 SANAD												
		11 Mountain CoGHN				12 Gate 3 - Plateau Road				13 Rocklands Farm				14 North Peak				15 Bungalow												
		16 Rocklands Valley				17 Shamballah Pines				18				19				20												
ID Features of Baboons																														
General remarks																														

Figure 2: Waterfall Troop raid sheet for October 2015 (note raids in red indicate raids into SANAD).

On 7 October, TK19 had been spending the majority of his time away from the troop when he was joined by WFF4. The two baboons continued to move away from the troop and started to roost above the Simon's Town urban area. This resulted in 18 excursions into the urban space by them between 7 and 17 October.



Figure 3: Waterfall Troop movement for the October reporting period.

Since the departure of TK19 (with WFF4), TK42 has been doing very well as the alpha male for the troop. Since then, there have been very few attempts by the troop to go back to the urban area and they seem very relaxed around the SANAD sleep site. The rangers were also able to keep them around Klaasjagersberg and there was plenty of natural forage and water available to them.

The major concern, however, is that the issues relating to waste management and baboon proofing at SANAD still need to be resolved. This site still acts as an attractant and a few individuals, including TK42, go there to raid. These are simple issues that could be resolved quite easily, and it would be a great pity if TK42 became corrupted simply because of poor waste management at such a small and discrete site.

3. Da Gama Troop

The Da Gama Park Troop was recorded in the urban space on only three occasions and no raiding incidents were recorded. The troop spent nine nights out of town, predominately at Witsand and once at the Grootkop sleep site. The troop spent the remaining nights roosting at the Da Gama Park flats and the Sports Field Stables, on the edge of town.

A number of raiding incidents were recorded for the individuals of the troop. The longest recorded time in the urban space by individual baboons was 330 minutes on 27 September. On 3 October, while raiding a bin, SK3 displayed threatening behaviour towards the field manager. The reason for this aggressive behaviour was not known. SK3 has not displayed this kind of behaviour before. On 5 October, a resident reported that DG16 displayed aggressive behaviour towards them while raiding a bin.

The improved waste management at the naval flats has continued into this reporting period. The bins are stored inside the garages of the naval flats and only put out on Wednesday mornings. The main individuals spending time in town are SK3 and the young sub-adult males, DG13, DG14, DG15 and DG16. These individuals are often joined by females and/or juveniles that split off from the troop.

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		2	Raid bins					5	Raid unoccupied house or vehicle					8	Breaking & Entering/Damaging property														
MONTH: October		YEAR: 2015		3	Non malicious damage					6	Raid occupied house or vehicle					9	Nocturnal Raiding														
BABOON ID		Sex	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
Troop									1	1										1											3
SK3		M	2	2,2	1	1	2			2	2,2,2,7	2								1									1		14
DG13 (W)		M		1					1	1				2						1											5
DG14 (O - G)		M							1	1				2	2	1				1											6
DG15 (R - W)		M	2	1					1	1		1		2						1								1			8
DG16		M	2	2					1	1		2,7		2	6					1											9
TK43 (W-W)		M	2						2	1	2									1											5
DGF1		F							1	1										1											3
DGF2		F							1	1										1											3
DGF4		F		2					1	1										1											4
UnID Females		F					1		1	1		1		2						1									1		7
UnID Female		F	2	1					2	1				2	2					1								1	1		9
Individuals				2	1		1		1	1										1											6
UnID Juvs					1	1		1		1	1				1					1									1		8
		%	TIME SPENT IN TOWN (Minutes)																									HRS			
Troop		1.0								45	45	65									30										3.08
Individuals		9.7	140	330	200	90	140		60	197	155	5	100	92	100	71				115								15	45	10	31.08
Roost:		AM	1,2,3	2	2	2	2	5	2	1,2	3	2	8	2	2,1	2	5	2	11	25	11	11	11	11	11	11	11	20	1	1	
Roost:		PM	2	2	2	2	5	2	2	3	2	8	2	2	2	5	5	11	25	11	11	11	11	11	11	11	11	20	1	1	
Roost Sites		1 Flats					2 Pines - Flats					3 Pines - Da Gama					4 Pines - WG					5 Sport Fields Stabl									
		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 Ocean View									
		16 KL sleep site					17 Maylands					18 Elsies River Valley					19 Red Hill / Windford					20 Grootkop									
		21 16th Avenue, DG					22 Lewis Gay Dam					23 Pinehaven					24 Kleinplaas Dam					25 Scarborough									
ID Features of Baboons																															
General remarks		One new infant spotted on the 27th of September. Another new infant was spotted on the 2nd if October.																													

Figure 4: Da Gama Troop raid sheet for October 2015.

The raiding behaviour of SK3 remains a concern, although this was only during the end of September and the beginning of October. This male seems to have taken advantage of the turmoil in the staffing situation caused by the riots in Masiphumelele. SK3 knows the area very well and when the team is not

at full strength he is quick to break the line and enter town. It has therefore become essential to collar SK3 as soon as possible. He is difficult to manage, because he hides amongst vegetation and waits for the opportune moment to break the line.

What is clear from the disruptions in the team during the Masiphumelele riots, is that the management of the troop from experienced rangers is essential to keep the raiding animals out of the urban area. Towards the end of October, individuals' time out of town was reduced significantly as the teams managing the troop were successful in keeping the troop in the mountain. As the forage improves in the mountain, and if the troop sleeps there more often, the time in town will reduce even more for the individuals.

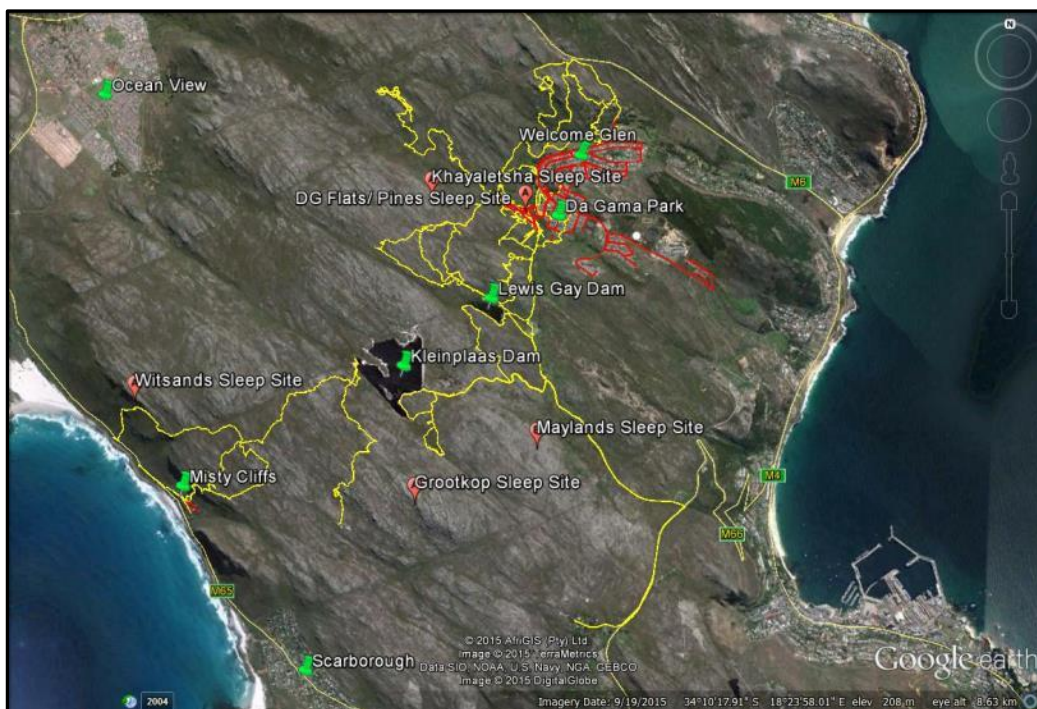


Figure 5: Da Gama troop movement, yellow lines indicating the troop and the red lines indicating the raiding individuals, for the October reporting period.

Births and Deaths

Two births were recorded, both in the Da Gama Park Troop.

Recommendations

- An **education and awareness** campaign should be considered by all Stakeholders for Welcome Glen and Da Gama Park again, because there has been no campaign in a long time.
- A **progress report** on the new bin bays at the Navy flats in Da Gama Park would be of great assistance.

- **Baboon-proofing** of the entrances, air vents and windows of the Navy flats in Da Gama is still an urgent requirement.
- **Baboon-proofing and waste management** at SANAD is required urgently, to prevent any individuals from entering the facility.
- **Residents in Da Gama Park and Welcome Glen** should revert back to baboon-proofing vegetable gardens, compost heaps and securing doors and windows when they are not at their residence.
- **Fruit trees** in gardens, that are not harvested, should be cleaned of their fruit or removed in Da Gama Park and Welcome Glen.
- **Bird food** should be secured and the outside of bird aviaries should be kept clean.
- **Long term solutions for laying the power lines** along the Elsie's River Valley underground should be initiated. The poles have been greased as a short term solution.
- **SK3 should be collared** so that he can be more intensively managed in order to reduce his raiding activity.

South Western Region – Area Manager: Lana Müller

1. Groot Olifantsbos Troop (GOB)

The Groot Olifantsbos (GOB) Troop remained within the Cape of Good Hope Reserve (CoGH) for the first nine days, and the last five days of the month. While inside the reserve, the troop roosted mainly at the Olifantsbos sleep site. For the remainder of the month, the troop slept on the cliffs between Scarborough and Misty Cliffs, along with the Misty Cliffs Troop.

While inside the reserve the troop foraged on the natural fynbos vegetation that can be found within the CoGH Reserve, the coastal vegetation or the organisms in the intertidal zone. It was interesting to note that the troop would move down towards the coast roughly two hours after low tide. While outside the reserve, the troop foraged on the natural fynbos vegetation on the slopes of the mountain between Scarborough and Misty Cliffs. Occasionally, in the morning, the troop would cross the road and forage on a variety of nutrient rich organisms in the rock pools and would then return to the fynbos forage for the afternoon.

GOB7 is attempting to take over the Misty Cliffs Troop and dominate all the females. Two of the Misty Cliffs females are in oestrus and this has drawn GOB7 to them. On 05 October, the GOB Troop followed GOB7 and exited the CoGH Reserve, as he pursued the Misty Cliffs females.

The two troops met up on the cliffs between Scarborough and Misty Cliffs. They spent the next 12 nights sleeping at the same sleep site, except on one or two occasions where the Misty Cliffs females, with infants, slept on the other side of the cliff. GOB7 chased the Misty Cliffs females, with infants, around for the next few days. On 07 October, GOB7 chased them into town, where they hid to avoid him. This is common behaviour from an adult male baboon who is trying to take over females from a neighbouring troop, and dominate them.

HWS: TROOP MONTHLY REPORT																														
SECTOR		CLASSES OF BEHAVIOUR																												
SOUTH WEST		1	In urban area					4	Attacking pets					7	Threatening behaviour/attack/stealing food															
BABOON TROOP:	GOB	2	Raid bins					5	Raid unoccupied house or vehicle					8	Breaking & Entering/Damaging property															
MONTH: October	YEAR: 2015	3	Non malicious damage					6	Raid occupied house or vehicle					9	Nocturnal Raiding															
BABOON ID	Sex	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
GOB7	M												1						5		1		5							4
Females	F																													0
Juveniles																														0
Troop																														0
	%	TIME SPENT IN TOWN (Minutes)																									HRS			
Troop	0.0																													0.00
Individuals	1.2												25						10		135		60							3.83
Roost:	AM	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	
Roost:	PM	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	
Roost Sites		1	Misty Cliffs 1					2	CoGH Reserve					3	Other					4						5				
ID Features of Baboons																														
General remarks																														

Figure 6: GOB Troop raid sheet for October 2015.

GOB7 entered the urban area on five occasions this month, on two occasions he entered the unoccupied Camel Rock Restaurant to raid. The longest time that he spent in town was on 15 October, where he was in Scarborough for 135 minutes.

On 19 October, the rangers successfully managed to get the GOB Troop back into the reserve, where they spent the remainder of the month, foraging on natural fynbos vegetation.

2. Misty Cliffs Troop (MC)

The Misty Cliffs Troop spent the first five days of this month in the CoGH Reserve and slept at the Bonteberg sleep site. The troop moved down off the cliffs in the morning and foraged on the natural fynbos vegetation, before moving down to the rocky shore to forage in the intertidal zone on a variety of organisms.

On 01 October, when the HWS rangers were unable to come to work due to the unrest in Masiphumelele, a contingency plan was put in place and replacement rangers from the North were brought to the area. Unfortunately due to the closure of the roads, there was a delay in getting staff to Scarborough. All of these factors ultimately contributed to the Misty Cliffs Troop getting out of the CoGH reserve.

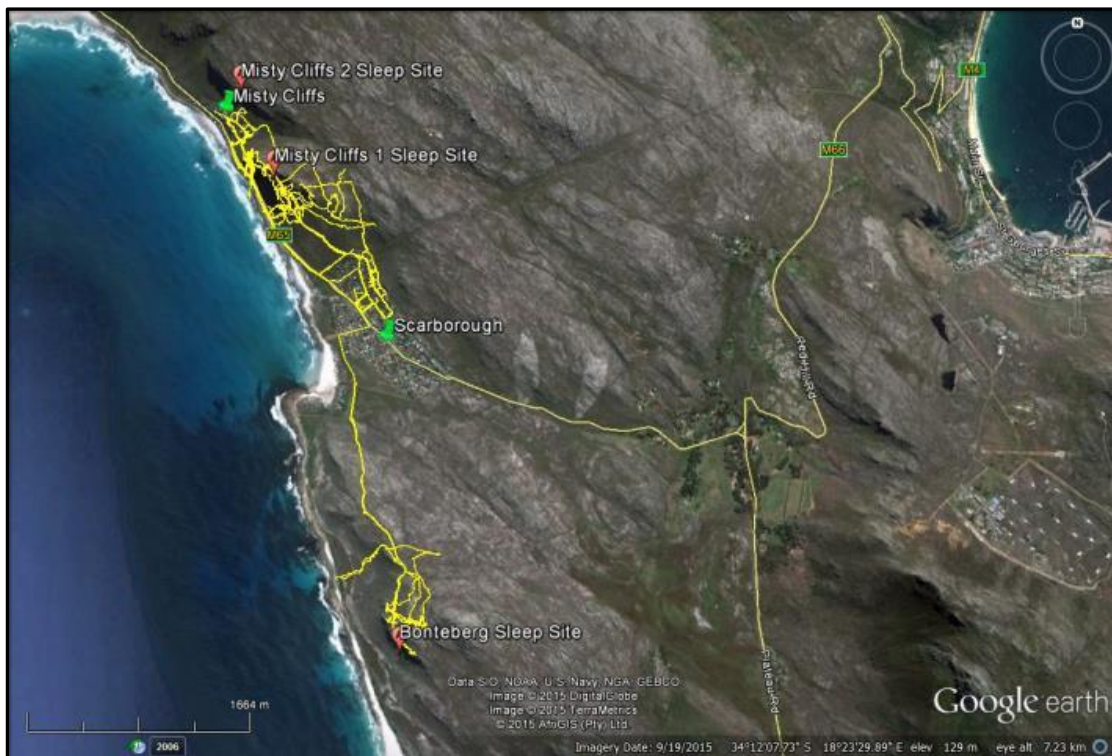


Figure 7: Misty Cliffs Troop movement for the October reporting period.

While out of the reserve, the Misty Cliffs Troop slept on the cliffs at the Misty Cliffs 1 sleep site and foraged in the fynbos vegetation on the slopes of the mountain.

On 05 October, the GOB Troop broke out of the CoGH Reserve and moved north along Scarborough beach, towards the Misty Cliffs Troop. The two troops met up on the mountain between Scarborough

and Misty Cliffs. GOB7 began mating with the two females who were in oestrus and the troop spent the remainder of the day foraging on the slopes of the mountain.

There are currently three females in the Misty Cliffs Troop with infants who are purposefully avoiding GOB7, who is chasing them. They are sleeping on the same cliff as the main troop, just on the other side so as to avoid GOB7. On 07 October, GOB7 chased the females with infants into Misty Cliffs where they managed to hide from him. GOB7 was moved out of town after 25 minutes, the females then moved up above Misty Cliffs 20 minutes later.

The two troops shared the Misty Cliffs 1 sleep site for 13 nights, they would come down from the cliffs in the morning and forage on the mountain slopes. On five occasions they crossed the main road and foraged in the rock pools and on the coastal vegetation. The three females with infants would move around the outskirts of the troop, because they felt threatened by GOB7.

There were four instances of bin raids this month. The troop as a whole only raided bins twice. The longest time the troop spent in town, was on 14 October where it spent 390 minutes in Misty Cliffs.

HWS: TROOP MONTHLY REPORT																																
SECTOR		CLASSES OF BEHAVIOUR																														
SOUTH WEST		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: October		YEAR: 2015	3	Non malicious damage				6	Raid occupied house or vehicle				9	Nocturnal Raiding																		
BABOON ID		Sex	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL	
MC3 (Young Sub-adult Male)		M																													0	
MC4 (Large Juvenile)		M																											2		1	
Females		F												1															1	2	3	
Juveniles										2																					1	
Troop																					2							2	1		3	
		%	TIME SPENT IN TOWN (Minutes)																									HRS				
Troop		4.2																			390								180	240		13.50
Individuals		3.0								34				45																75	420	9.57
Roost:		AM	4	4	4	4	4	4	1	1	1	1	1	1	1,2	1,2	1	1	1	1	1,2	1,2	1	1	1	1	1	1	1	1		
Roost:		PM	4	4	4	4	4	4	1	1	1	1	1	1	1,2	1,2	1	1	1	1	1	1,2	1	1	1	1	1	1	1	1		
Roost Sites			1	Misty Cliffs 1				2	Misty Cliffs 2				3	Witsand				4	CoGH Reserve				5	Other								
ID Features of Baboons																																
General remarks																																

Figure 8: Misty Cliffs Troop raid sheet for October 2015.

On 19 October, the GOB Troop moved back into the CoGH Reserve taking with it, the two females from the Misty Cliffs Troop who were in oestrus and had been mating with GOB7. This left the Misty Cliffs Troop with nine individuals, four adult females, three infants, one large juvenile (MC4) and one young sub-adult male (MC3).

3. Slangkop Troop

The Slangkop Troop spent 14 nights roosting in the pine stands behind Ocean View and 14 nights on the cliffs at the Compass Bakery sleep site.

The troop spent the majority of the month foraging in the natural vegetation around the Rasta Camp and along the stream in the valley, which runs between the Compass Bakery sleep site and Ocean View.

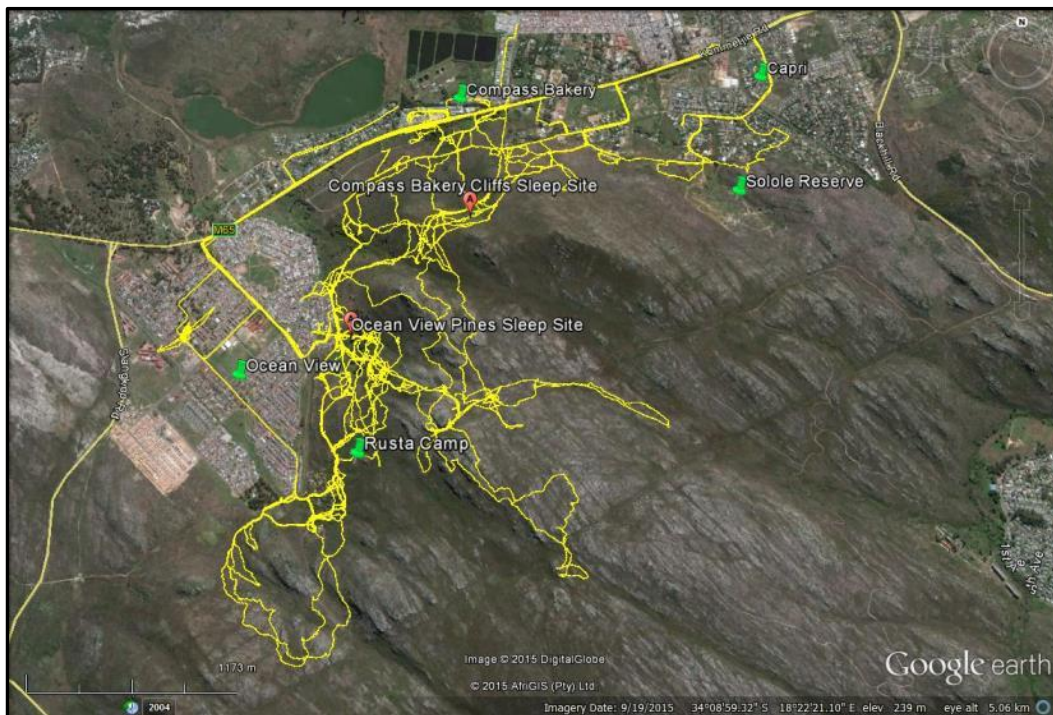


Figure 9: Slangkop Troop movement for the October reporting period.

The highest number of individual raids can be attributed to SK6 (sub-adult male), he raided the bins at Compass Bakery on three occasions and bins in Ocean View on one occasion. It is again interesting to note that SK6's raiding behaviour has again decreased from the previous month. It is a concern, however, that he is leading some of the females into town to raid and this can be seen on the raid sheet below.

It is also interesting to note that DG6's raiding behaviour over the past four months has decreased drastically. In July 2015, DG6 raided on 10 occasions, in August 2015, DG6 raided on 12 occasions, in September 2015, he raided on three occasions, and during this reporting period he only raided on two occasions. The troop as a whole only entered the urban space on one occasion, where they went to raid bins at compass bakery, and they were only in the urban area for 12 minutes.

HWS: TROOP MONTHLY REPORT																															
SECTOR		CLASSES OF BEHAVIOUR																													
SOUTH WEST		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: October	YEAR: 2015	3	Non malicious damage					6	Raid occupied house or vehicle					9	Nocturnal Raiding																
BABOON ID	Sex	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL	
DG6	M							2																			2			2	
SKF1	F																													0	
SKF2	F																													0	
SK6 (Sub-adult)	M	2						2								2											2			4	
Juveniles														1																1	
Females								2					1			2											2			4	
Troop												2																		1	
	%	TIME SPENT IN TOWN (Minutes)																									HRS				
Troop	0.1											12																		0.20	
Individuals	0.3	10							10					5			15											10			0.83
Roost:	AM	2	3	3	2	2	2	3	3	3	2	2	3	3	2	2	3	3	3	2	2	3	2	3	3	2	2	3	3	3	
Roost:	PM	3	3	2	2	2	3	3	2	2	2	3	2	2	3	3	3	3	2	2	3	2	3	2	2	2	3	3	3	3	
Roost Sites		1	Slangkop					2	Ocean View					3	Compass Bakery					4	Witsand					5	Other				
ID Features of Baboons																															
General remarks		No births or deaths reported																													

Figure 10: Slangkop Troop raid sheet for October 2015

Births and Deaths

There are no births or deaths to report during this reporting period.

Recommendations

- **Removal of Invasive Vegetation:** The patches of invasive alien vegetation situated above Ocean View and below the Compass Bakery sleep site need to be removed in order to improve management of the Slangkop Troop. The issue has been addressed with SANParks and is pending.
- **Rogers Fruiterers:** A follow up site visit needs to be conducted to check on the progress of the goose and chicken coop.

Northern Region – Area Manager: Robyn Khoury

1. Tokai Troop

During October, the Tokai Troop ranged in Tokai Plantation and Silvermine Reserve (Figure 11). Following the trend of the past few months the troop spent most of their time in the higher sections of the mountains, and came down to the lower sections to sleep in the pine trees that still remain. Additionally, they used their new sleep site in Silvermine eight times during this reporting period.

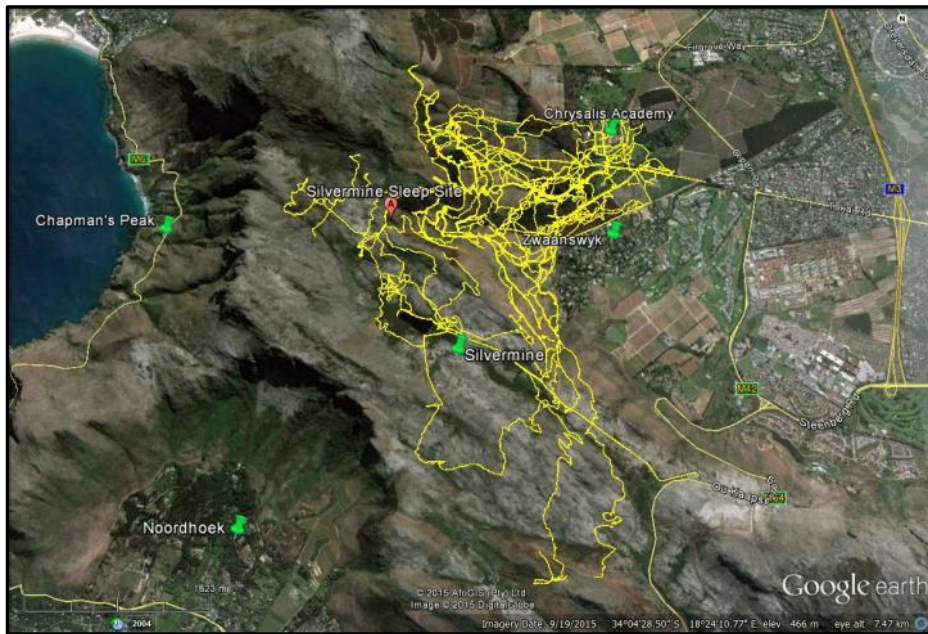


Figure 11: Tokai Troop movement for the October reporting period.

This movement into Silvermine is a very positive one, and it is a huge improvement from last year (Figure 12). In the past, the Tokai Troop have survived largely on pine nuts, barley and grapes. This allowed the troop to thrive in a very small section of Tokai Plantation. It has also been postulated that this food supply caused the Northern Troops to grow in numbers in the past decade, rather than stay stable as the southern troops have over the past two years. Since the March 2015 fires, the Tokai (and Zwaanswyk Troop) have moved over to a largely fynbos based diet, and extended their range significantly (Figure 11).

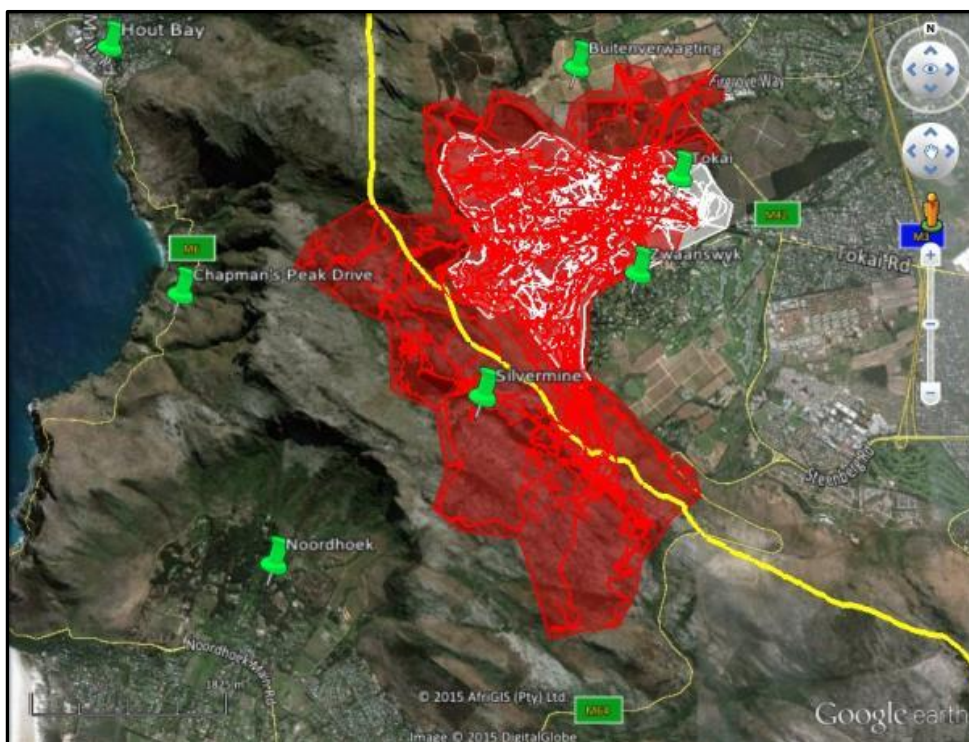


Figure 12: Tokai Troop movements in 2014 (white) and 2015 (red). Yellow line indicates the escarpment.

Felling operations in Tokai Plantation are ongoing, and as such, the plantation is full of pine debris, and sparse other vegetation (Figure 13). In contrast Silvermine reserve is full of new, lush growth that is thriving in the warmth of spring (Figure 14).



Figure 13: Debris from felling operations in Tokai Plantation. Note the exposed soil, and lack of new growth.



Figure 14: A and B: New spring growth in Silvermine Reserve.

The Tokai Troop seemed very comfortable in Silvermine Reserve, and on 7 October 2015 they were even seen swimming in the Silvermine Dam. This is the first time any northern baboons have been seen displaying this behaviour (figure 15).



Figure 15: Tokai Troop Baboons swimming in Silvermine Dam.

Despite being high on the mountain, the adult males in this troop did manage to raid Chrysalis Academy and the Cape Academy. Chrysalis continues to be a difficult situation to manage, because the kitchen is not baboon-proof and often food waste is left outside and not locked away. The Cape Academy has a compost heap which attracts baboons to the area.

A representative from CapeNature assisted Robyn Khoury (Area manager for the Northern section) in a site visit to Cape Academy on 6 October, 2015 to discuss these concerns. The Cape Academy agreed to shut down their compost heap. Additionally, the CapeNature representative undertook a site inspection of Chrysalis Academy, however most food waste was locked away at this time, and there were no significant baboon-related problems to report.

HWS: TROOP MONTHLY REPORT																																
SECTOR		CLASSES OF BEHAVIOUR																														
NORTH		1	In urban area					4	Attacking pets					7	Threatening behaviour/attack/stealing food																	
BABOON TROOP:		Tokai					2	Raid bins					5	Raid unoccupied house or vehicle					8	Breaking & Entering/Damaging property												
MONTH: October		YEAR: 2015					3	Non malicious damage					6	Raid occupied house or vehicle					9	Nocturnal Raiding												
BABOON ID	Sex	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL		
TK28 (B-G)	M								2							2			6											3		
TK16 (W-W)	M															2														1		
TK40 (P-Y) VHF Collar	M								2									5+7						2+7						5		
TK 47 (White)	M																													0		
TK48 (Red)	M																													0		
MT3 (Pu-B)	M																													0		
Tokai Troop																														0		
	%	TIME SPENT IN TOWN (Minutes)																											HRS			
Troop	0.0																													0.00		
Individuals	0.4								30							40														1.17		
Individuals																																
Roost:	AM	1	11	10	1	9	1	4	10	10	7	11	11	11	2	1	1	1	5	1	2	11	11	11	1	1	1	1	11			
Roost:	PM	11	10	1	9	1	4	10	10	7	11	11	11	2	1	1	1	5	1	2	11	11	11	1	1	1	1	11	5			
Roost Sites		1	Tea Garden					2	Lev 1 Zwk Gums					3	Lev 2 stream					4	Lev 4 Pines					5	Upper Tea Garden					
		6	Manor House					7	Picnic site 1					8	Picnic site 2					9	Middle Plantation					10	Chrysalis					
		11	Silvermine pines					12	Other					13						14						15						
ID Features of Baboons																																
General remarks																																

Figure 16: Tokai Troop raid sheet for October 2015. Bold and italics indicate raids that took place in non-urban areas.

On 5 October, 2015, it was noted that TK40, an adult male in the Tokai Troop, was struggling to see properly, and appeared almost completely blind. He was still moving with the troop, and eating, albeit very slowly. HWS managers attempted to cage capture him on the evening of 5 October 2015, however this was unsuccessful, because he was unable to see the bait in the cage.

TK40 was monitored closely the following day, and his condition remained the same. On 7 October 2015, Dr Dorothy Breed, the CapeNature appointed veterinarian, came to assess and dart TK40. However, after assessment of his movements it appeared that his sight had improved significantly, and it was decided that leaving him to heal naturally would be the better option.

Later that day Dr Breed darted and tagged two young adult males in the Tokai Troop, TK47 and TK48. This will be a huge help in identifying males in the troop.

2. Zwaanswyk Troop

The Zwaanswyk Troop spent most of this month moving with the Tokai Troop through Tokai Plantation and up to Silvermine. Silvermine has an abundance of forage, which is evident from many half eaten bulbs being found by the rangers.

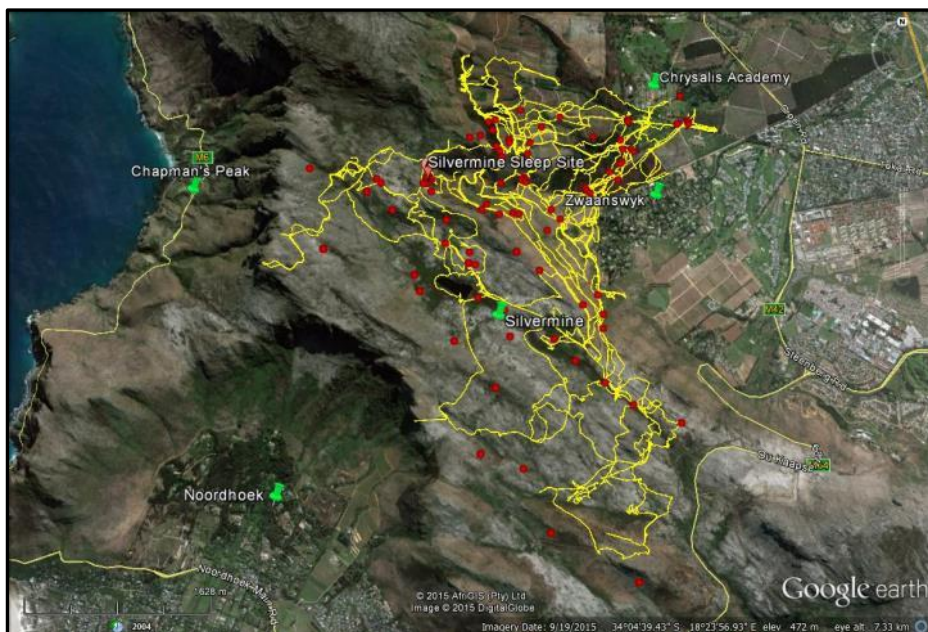


Figure 17: Zwaanswyk Troop movement for the October reporting period.

When in Silvermine Reserve, the Zwaanswyk Troop moved all the way across to the peaks above Noordhoek. Here they were blocked by HWS rangers to ensure they did not run down the mountain into Noordhoek.

The GPS collar that was deployed on MT2, the alpha male of the Zwaanswyk Troop, has been recording 4 movements per day. The GPS downloads (figure 15) are set for 9h00, 14h00, 17h00 and 22h00. This gives us a varied scope of the troop's movements and their sleep site every night.

No raids at all (urban or non-urban) occurred during this month for the Zwaanswyk Troop.

HWS: TROOP MONTHLY REPORT																															
SECTOR		CLASSES OF BEHAVIOUR																													
NORTH		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: October		3	Non malicious damage					6	Raid occupied house or vehicle					9	Nocturnal Raiding																
BABOON ID	Sex	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL	
MT2 (Yellow+collar)	M																													0	
TK45 (Untagged L. SA)	M																													0	
TKF5 (Green)	F																													0	
TKF7 (Red)	F																													0	
Uni female	F																													0	
Uni Adult female	F																													0	
Zwaanswyk Troop																														0	
	%	TIME SPENT IN TOWN (Minutes)																							HRS						
Troop	0.0																													0.00	
Individuals	0.0																													0.00	
Roost:	AM	6	6	11	1	9	1	4	6	8	8	12	12	12	3	1	1	1	1	1	3	12	12	12	6	3	1	6	12		
Roost:	PM	6	11	1	9	1	4	6	8	8	12	12	12	3	1	1	1	1	1	3	12	12	12	6	3	1	6	12	13		
Roost Sites		1	Tea Garden					2	Level 1 ZWK gums					3	Level 2 stream					4	Lev 4 Pines					5	Upper tea Garden				
		6	Manor House					7	Picnic 1					8	Picnic 2					9	Middle Plantation					10	Chrysalis				
		11	Tokai Bridge					12	Silvermine pines					13	Other					14						15					
ID Features of Baboons																															
General remarks																															

Figure 18 : Zwaanswyk Troop raid sheet for October.

Following the pattern of the Tokai Troop, the Zwaanswyk Troop have also seen significant range shifts post fire (Figure 19). They have transitioned to a fynbos diet, and as such have extended their range to include more natural areas along with the Tokai Troop.

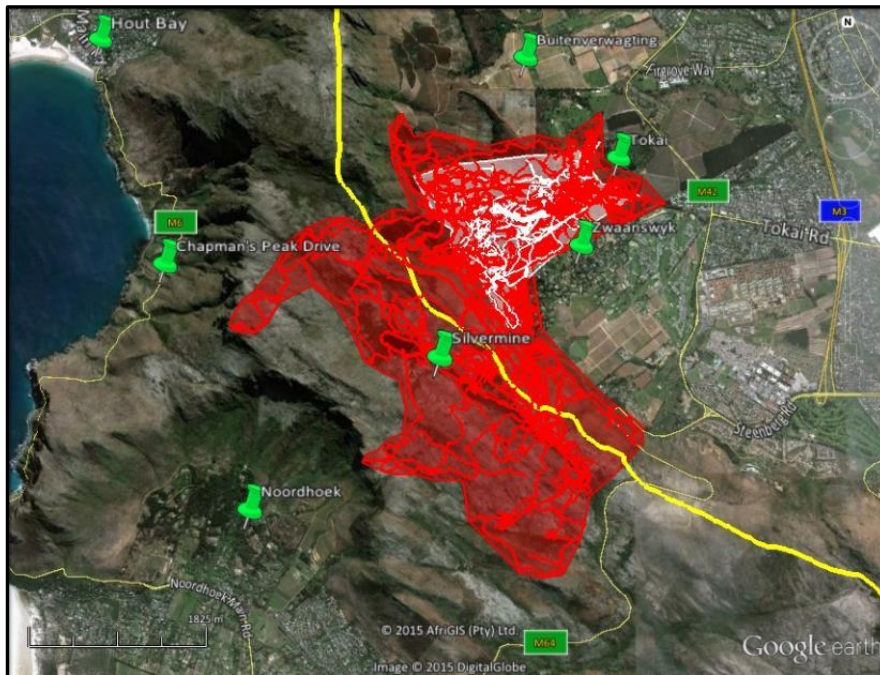


Figure 19: Zwaanswyk Troop movements in 2014 (white) compared to 2015 (red). Yellow line indicates the escarpment.

It is also pertinent to note the distinct line around the Zwaanswyk suburb (Figure19). Thanks to the fence around Zwaanswyk, the troop are able to forage in all the vegetation up to the fence, but are unable to cross into Zwaanswyk. This is an excellent example of an effective baboon-proof fence.

3. Constantia Troops

The Constantia Troops (CT1 & CT2), have been continuing their trend of moving up the mountain more this month. Most mornings they were moved off the farm by Buitenverwachting and Klein Constantia Rangers, and continued their movements up the mountain.



Figure 20: New growth in the saddle between Vlakkenberg and Constantiaberg.

On a few occasions they moved into the saddle between Constantiaberg and Vlakkenberg. This area was natural fynbos before the fire so, like Silvermine Reserve, it has recovered well and is full of fresh spring growth which the Constantia Troops are now utilising (Figure 20).

The CT1 and CT2 troops moved together approximately half the time this month (Figure 16), however they still sleep at separate sleep sites every night. On those days where the CT2 troop is not moving with the CT1 troop, HWS rangers do not spend much time with them, because we do not have the manpower to do so, and they are the troop less likely to raid the urban area (e.g. Price Drive).

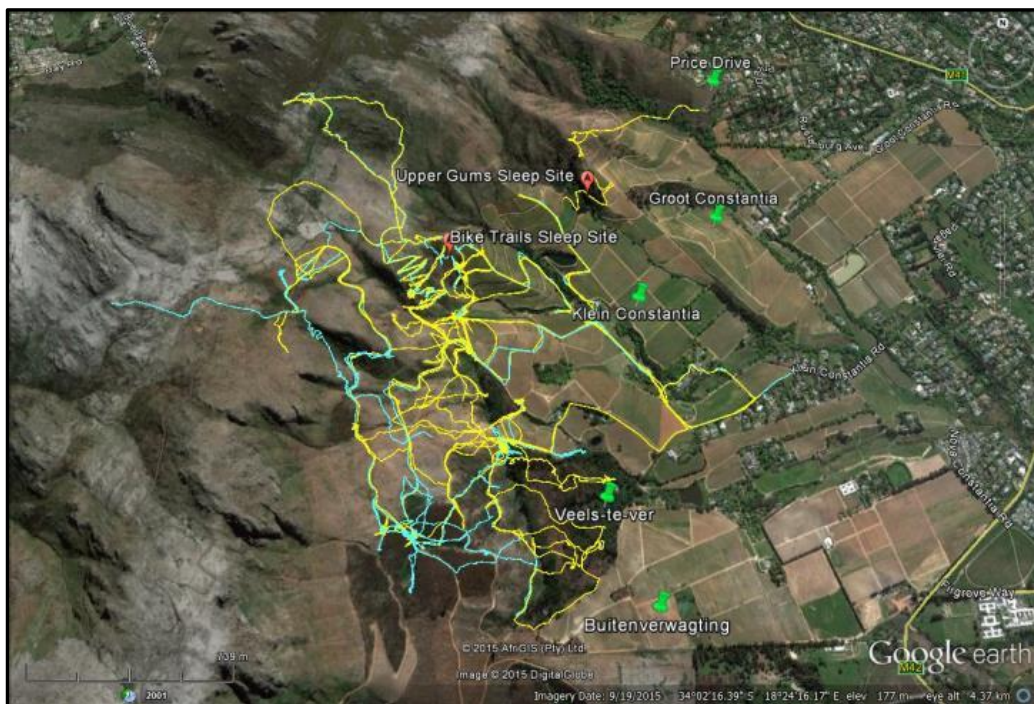


Figure 21: Movements of rangers following the CT1 (yellow) and CT2 (blue) troops for the month of October.

The Constantia Troops (CT1 and CT2) have been moving father south this month than usual (Figure 16). They have moved right over, to above Veels-te-ver (Figure 16), which has traditionally been the core of the Mountain Troop's territory. However, this troop has also been showing significant home range shifts over the past few months (see below).

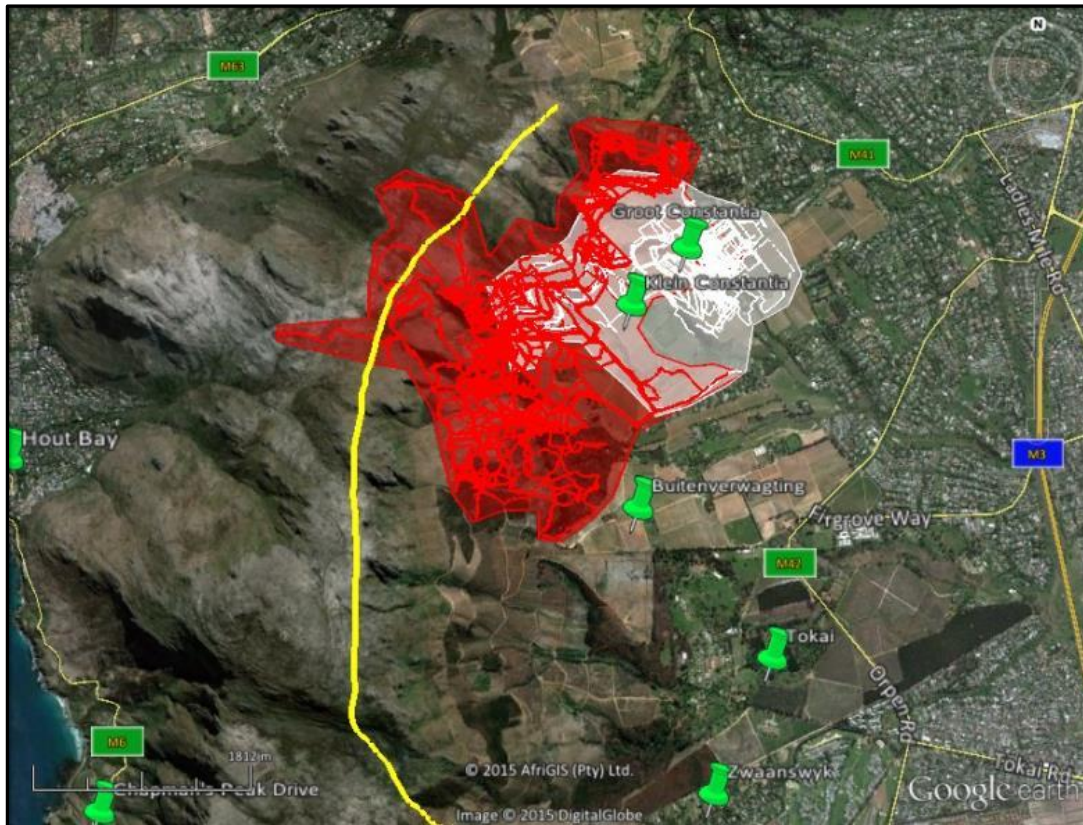


Figure 22: Constantia Troops (CT1&2) movements in 2014 (white) and 2015 (red). Yellow line indicates the escarpment.

Since last year, the Constantia Troops have also shown a marked change in their home ranges (Figure 22). They have stayed off Groot Constantia because of the electric fence that now extends down between them and Klein Constantia, and that was turned on last year. Since then these two troops have spent a great deal of time on Klein Constantia and Buitenverwagting. They have also foraged more in the area above Groot Constantia. Additionally, as an after effect of the fire, they have also moved to the higher sections on Vlakkenberg to seek out the abundant new growth (Figure 20).

The only raiding recorded this month in the Constantia Troops is from CON7. He raided houses on the wine farms on two occasions, and also entered the urban area by Price Drive and raided a bin. He was pushed back to the mountain within 20 minutes (Figure 23).

HWS: TROOP MONTHLY REPORT																														
SECTOR		CLASSES OF BEHAVIOUR																												
NORTH		1	In urban area					4	Attacking pets					7	Threatening behaviour/attack/stealing food															
BABOON TROOP:	CON	2	Raid bins					5	Raid unoccupied house or vehicle					8	Breaking & Entering/Damaging property															
MONTH: October	YEAR: 2015	3	Non malicious damage					6	Raid occupied house or vehicle					9	Nocturnal Raiding															
BABOON ID	Sex	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
TK33 (R-O)	M																													0
CON1 (untagged)	M																													0
CON2 (B-O)	M																													0
CON3 (G)	M																													0
CON4 (B)	M																													0
CON5 (G-G)	M																													0
CON6 (O) Collar	M																													0
CON7 (P-G)	M					2+6			6+7																		1+2			6
MT1 (G-W)	M																													0
Untagged M	M																													0
SA Male	M																													0
Uni Female	F																													0
	%	TIME SPENT IN TOWN (Minutes)																							HRS					
Troop	0.0																													0.00
Individuals	0.1																										20			0.33
Roost:	AM	6	6	6	6	6	6	6	6	6+7	6+7	6	3+6	6	6	6	6	6+7	3+6	6	3+6	3+6	3+6	3+6	6	3+6	1+?	1+?	1+?	
Roost:	PM	6	6	6	6	6	6	6	6	6+7	6+7	6	3+6	6	6	6	6	6	6+7	3+6	6	3+6	3+6	3+6	6	3+6	1+?	1+?	1+?	1+3
Roost Sites		1	Upper Gums					2	Lower Gums					3	Bike Trail Gums					4	Middle Plantation KC					5	McKenzies			
		6	Buiten gums					7	Block 10 gums					8	Castle gums					9	Other					10				
ID Features of Baboons																														
General remarks																														

Figure 23: CT1 and CT2 raid sheet for October 2015.

4. Mountain Troop

The Mountain Troop's range shifts have included moving to the lower sections of Tokai Plantation, around level 1 and 2, as well as near Porter Estate. It is believed that TK41 is pulling the troop down the mountain, because TK41 came from the Tokai Troop and knows the rich food rewards in this area. HWS rangers are doing their best to ensure this troop does not get accustomed to foraging around Porter Estate.

Due to the presence of TK41, for the first time ever since HWS baboon management began, the Mountain Troop now has its own raid sheet (Figure 18). TK41 left the troop and raided bins in Orpen Road on 9 and 12 October 2015. Additionally, TK41 also raided bins and horse feed at Lynne's stables on 13, 14 and 16 October 2015. The other members of the troop have not started raiding yet, and HWS rangers are working tirelessly to ensure they do not become a raiding troop.

HWS: TROOP MONTHLY REPORT																														
SECTOR		CLASSES OF BEHAVIOUR																												
NORTH		1	In urban area				4	Attacking pets				7	Threatening behaviour/attack/stealing food																	
BABOON TROOP:	MOUNTAIN	2	Raid bins				5	Raid unoccupied house or vehicle				8	Breaking & Entering/Damaging property																	
MONTH: October	YEAR: 2015	3	Non malicious damage				6	Raid occupied house or vehicle				9	Nocturnal Raiding																	
BABOON ID	Sex	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
TK3 (W-B)	M																													0
TK36 (R-Pu) collar	M																													0
TK41 (Sing P)	M														2,2			1+2	2	2		2								7
	%	TIME SPENT IN TOWN (Minutes)																									HRS			
Troop	0.0																													0.00
Individuals	0.2														10			30												0.67
Roost:	AM	6	6	6	6	6	1	6	1	6	6	2	6	6	2	6	6	2	6	3	3	2	2	3	2	6	2	3	3	
Roost:	PM	6	6	6	6	1	6	1	6	6	2	6	6	2	6	6	2	6	3	3	2	2	3	2	6	2	3	3		
Roost Sites		1	Veels-te-ver stores				2	Veels-te-ver reservoir				3	Veels-te-ver kramat				4	Buiten gums				5	Block 10							
		6	Unknown				7					8					9					10								
ID Features of Baboons		TK 36 tagged red-purple left ear and collared on 15/10/15																												
General remarks																														

Figure 24 : Mountain Troop raid sheet for October. Bold and italics indicate raids that took place in non-urban areas.

The Mountain Troop is still the most wary troop in the North, and moves away easily when rangers approach. As a knock-on effect of this, HWS rangers are unable monitor births and deaths in this troop throughout the year. To counteract this, HWS managers, with the help of independent researcher Esme Beamish, undertook a count of the infants in the Mountain Troop. Since April 2015, the Mountain Troop have had five new births. Additionally, a very old female was noted as missing, and it is suspected she has died of natural causes.

To aid management of this troop, TK36 was tagged and collared with a VHF collar earlier this month.

Births and Deaths

Two new-borns were reported this month in the Tokai Troop.

One new born in the CT1 Troop.

Five infants seen in the Mountain Troop since April 2015.

Recommendations

- **SANParks** are requested to erect signage in Silvermine Reserve warning the public of the presence of baboons. It is essential that signage is erected before Silvermine West reopens to the public. Additionally, all bins should be baboon-proofed before the park reopens.

- **Chrysalis Academy** should baboon-proof their kitchen by attaching a gate to the kitchen entrance. This will prevent baboons entering the kitchen. Additionally, it is recommended that Chrysalis lock away all food waste in baboon-proof bins.

C. GENERAL COMMENTS ON ALL BABOON TROOPS

Population Data

This month there were five births, and no deaths in the managed baboon population. In addition, a recent visit, by Esme Beamish and two HWS managers, to the Mountain Troop to determine a detailed age structure of this troop, revealed that there had been five more births over the past six months. The mountain troop is largely left unmanaged because it is caught above the farms between the Tokai and Constantia Troops and has never raided the urban area. The minimal amount of human contact has also meant that this troop is much less habituated than the other troops, and therefore less inclined to raid.

TROOP	Total Dec 2012	Total Dec 2013	Total Dec 2014	Oct Births	Oct Deaths	Oct Emigration/ Immigration	Total Births 2015	Total Deaths 2015	Emigration/ Immigration 2015	TOTAL CURRENT POP
Da Gama Troop	54	45	43	2			7	5	+2	47
Smitswinkel Bay	23	21	22				3	1	-1	23
Waterfall	28	30	30				3	3	+2	32
Groot Olifantsbos	19	13	17			+2	0	1	+2	18
Misty Cliffs	18	16	14			-2	6	9	-2	9
Slangkop	33	32	36				5	2		39
SUB TOTAL	175	157	162	2	0	0	24	21	+3	168
Zwaanswyk	25	26	28				7	6		29
Tokai	61	65	72	2			6	17	-2	59
Mountain	33	44	48				6	0	+1	55
Constantia 1 & 2	60	63	70	1			12	5	-2	75
SUB TOTAL	179	198	218	3	0	0	31	28	-3	218
TOTAL	354	355	380	5	0	0	55	49	0	386

Table 1: Population data for the ten managed troops on the Cape Peninsula

The detailed analysis of young baboons in this troop showed that there were five babies with black coats, two of which still had pink faces. All five of these births are therefore represented in Table 1, but they are not listed as births for this month. Thus the total number of births for the northern population this year is, as usual, higher than that for the southern population. There were however, also many more deaths in the north this year, because of the fire. As a result, both the northern and southern populations have remained basically stable, increasing over the year by only three and two individuals respectively.

Another feature of Table 1, that is being added to the table for the first time, is to recorded movements between troops. Over the past year several males in the north have moved between troops. This month two Misty Cliffs females left their troop to join the GOB Troop, after GOB7 brought his whole troop to Misty Cliffs for about 10 days while he mated with those two females. When the GOB Troop returned to the CoGH Reserve, these two females returned with them, thereby reducing the Misty Cliffs Troop number down to nine, of which three are young babies.

Deaths	2012*	2013	2014	October 2015	2015 to Date
Management	16 (6)	17	7	0	7
Human Induced	3	5	10	0	6
Natural	6 (1)	33	19	0	35
TOTAL	25	55	36	0	48

Table 2: Causes of baboon deaths since 2012. (* Portion of total collected prior to HWS taking over baboon management in August 2012, is included in brackets).

Hotline Data

There was a surprisingly high number of hotline calls this month, considering the season. However, this was clearly not a pattern across all the troops, and really only relates to Simonstown and Scarborough, and can be related to a few individuals or events. In the case of Simonstown, virtually all the calls were made in response to raids by SWB8, who is showing signs of dispersal, and TK19 and WFF4 who frequently left the Waterfall Troop and raided Simonstown on their own.

The resurgence of calls in Scarborough was largely in response to GOB7 bringing his troop across to join the Misty Cliffs Troop while he tried to mate with two oestrous females (Misty Cliffs has not had a resident male since KOB1 was electrocuted in April, and therefore there is no resident male to protect his females). In between mating with the two females, GOB7 frequently tried to kill three babies belonging to females in the Misty Cliffs troop. As a result of this, these females frequently sought

refuge in Scarborough to hide away from him. The male also went to town quite frequently to raid on his own.

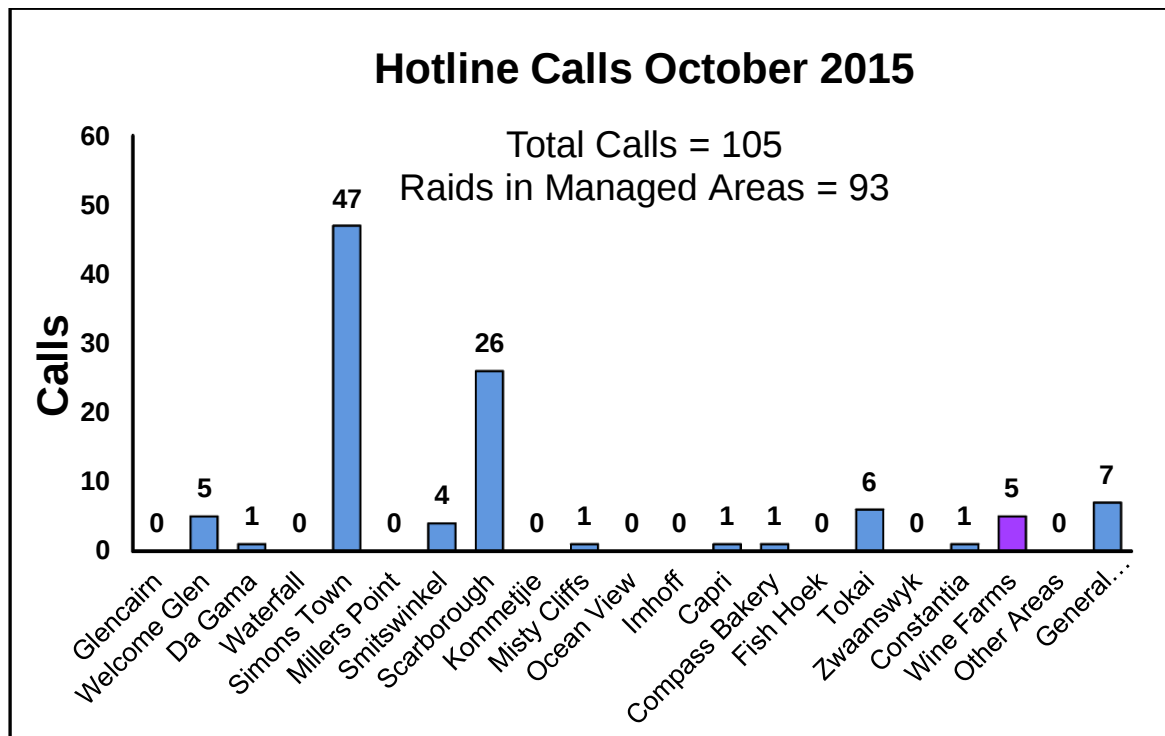


Figure 25: Hotline calls summary per urban area

Although there was a relatively high number of hotline calls this month, it is still pleasing to note that almost 90% of calls were just reporting baboons being in town, and most raids were simply bin raids.

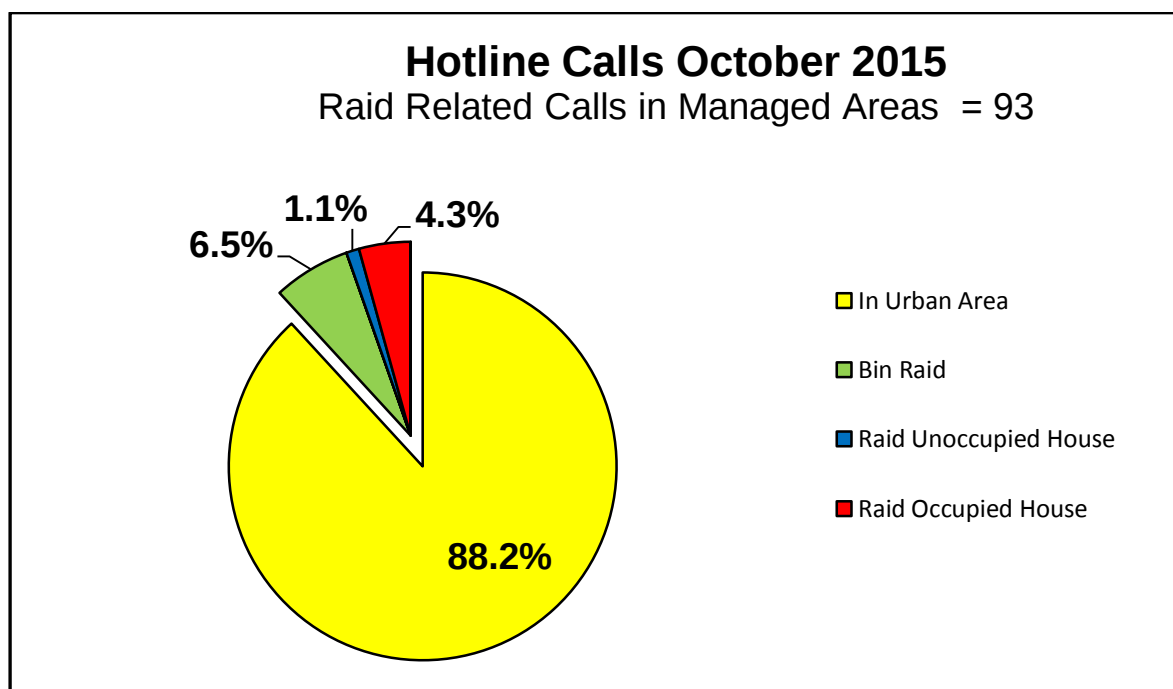


Figure 26: Composition of raid-related hotline calls

Percentage Time out of Town

This month the percentage time troops and individuals spent out of town were both high, averaging over 99% and 98% respectively. Although, as usual, the Misty Cliffs Troop spent much more time in town than any other troop, it still spent over 95% of the time out of town.

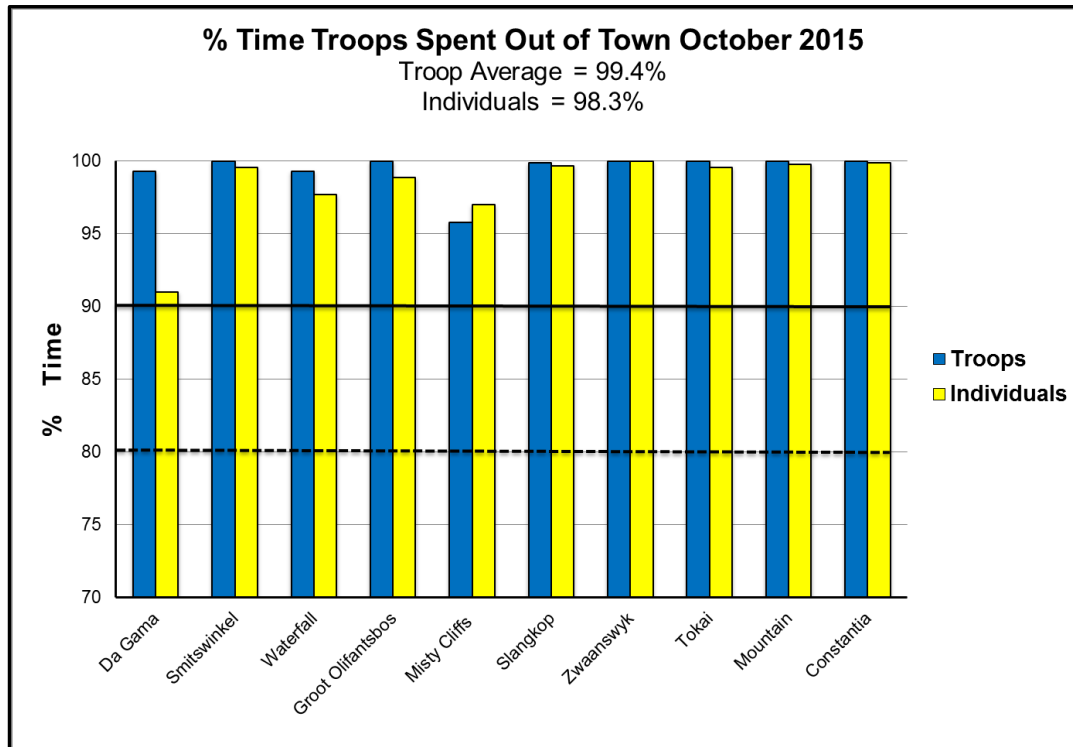


Figure 27: Percentage time troops spent out of town, solid line indicates the CoCT's 2014 contract requirement and the broken line indicates the 2012 contract requirement.

Conclusion

This month baboon troop behaviour was basically typical for early summer with most troops displaying very little raiding behaviour. The exceptions to the rule were as a result of SWB8 starting to disperse and raiding Simonstown on his own, the old female WFF4 taking the newly dispersed male TK19 on foraging raids into Simonstown, and three Misty Cliffs females seeking refuge in town from GOB7 trying to kill their babies while he mated with two other Misty Cliffs females. The Misty Cliffs situation was also exacerbated by HWS frequently being short staffed because of the unrest in Masiphumelele.

Over the past month all the troops in the north, with the exception of the Mountain Troop, have moved increasingly higher up the mountain and onto the plateau to forage on the fresh and highly nutritious fynbos growth that is erupting with the onset of summer. This movement pattern is in sharp contrast to what was displayed by these same troops last year. This year, since the fire in March, the old and burnt plantation areas are showing remarkably little regeneration, while the burnt fynbos areas are

looking much more productive. The fynbos is therefore, for the moment, providing sufficient food for the baboons, which are increasingly being deprived of the pine and farm products on which they largely subsisted in the past. Groot Constantia is already fully encircled by electric fencing on the upper mountain side, and Klein Constantia and Buitenverwagting will soon also be fully cut off from the mountain with electric fencing.

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Human Wildlife Solutions