

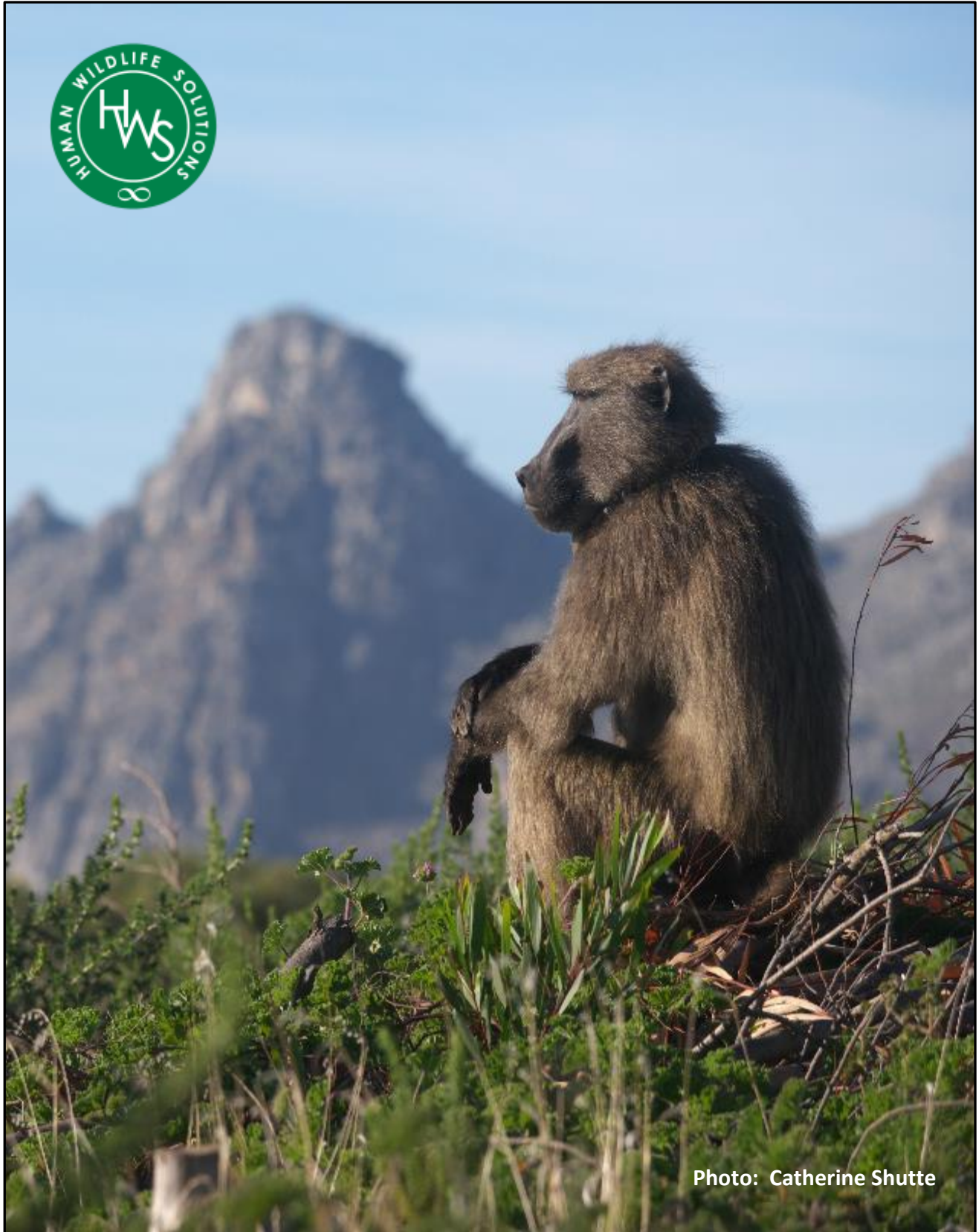


Photo: Catherine Shutte

Human Wildlife Solutions

Monthly Report

August 2016

TABLE OF CONTENTS	Page
A. REPORTING PERIOD	3
B. BABOON MANAGEMENT AND RAID REPORTING	3
SOUTH EAST REGION	3
1. Smitswinkel Troop	3
2. Waterfall Troop	4
3. Da Gama Troops (DG)	6
Births and Deaths	8
Recommendations	8
SOUTH WEST REGION	8
1. Groot Olifantsbos Troop (GOB)	8
2. Misty Cliffs Troop	9
3. Slangkop Troop	11
Births and Deaths	13
Recommendations	13
NORTH REGION	13
1. Tokai Main Troop	14
2. Zwaanswyk Troop	15
3. Constantia Troop (CT1)	17
4. Constantia Troop (CT2)	18
5. Mountain Troop	19
Births and Deaths	19
Recommendations	19
C. GENERAL COMMENTS ON ALL BABOON TROOPS	19
Population Data	19
Hotline Data	21
Percentage Time Out of Town	22
Conclusion	23

A. REPORTING PERIOD

This monthly report covers the period 23 July to 26 August 2016. August is the last of the traditionally winter months and to a large extent the baboons followed their typical winter pattern of trying to stay lower down the mountain to be less exposed to the cold and rain. Nevertheless, during some of the warmer days, troops like the Zwaanswyk, Tokai and CT2 Troops foraged higher up the mountain even going onto the top plateau. Presumably this trend will increase in September as spring takes hold.

Despite the winter season, the troops this month spent 99.3% of their time out of town. However, levels of raiding by individuals was still relatively high with a total of 122 raid related hotline calls being recorded, and individuals spending 95.1% of their time out of town. Thus this month marks the end of the winter season and hopefully one will see the managed baboons settling down higher up the mountain during September.

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

The troop continued to be difficult to manage during this reporting period, because none of the individuals in the troop are currently fitted with a functioning VHF collar. This troop roosts high up on the cliffs in the mountain, out of sight of the rangers, and VHF telemetry is used extensively to track the movements of the troop. This enables the rangers to hold the line in the correct locations. Collars have arrived from the manufactures and efforts to fit a functioning collar on an animal in the troop have been prioritised.

The troop utilised the full extent of its home range over this reporting period. However, the troop spent the majority of its time in the southern part of its home range. The troop fed predominantly on fynbos, coastal thicket vegetation and marine organisms while in the southern part of its home range. Marine organisms eaten by the troop are high in protein and nutrients, and consist of mussels, limpets and mermaid's purses. While in the northern parts of its home range, the troop foraged mainly on invasive alien vegetation and pine cones around the Rocklands area.

Figure 1: Smitswinkel Bay Troop raid sheet for August 2016.

During August, SWB9 continued to display brazen behaviour with regards to raiding. Six raiding incidents were recorded for SWB9. These included the raiding of one unoccupied tent, an unoccupied kitchen, and an occupied house. SWB9 also displayed threatening behaviour towards a resident at the Rocklands Centre. A functioning collar will be refitted on SWB9, and his movements will be monitored.

Over this reporting period, the Waterfall Troop showed positive signs. The Troop moved back up the mountain to the South African Naval Ammunition Depot (SANAD) on 27 July 2016. This was the first time the troop moved back to SANAD since 18 June 2016. Unfortunately, the troop broke the line on 28 July, but this was due to heavy rain and thick mist on this day. The rangers could not see the troop for the duration of the day and at 15h50, they finally broke the line and returned to the cliffs above the naval barracks. However, on 22 August 2016, the troop moved back to SANAD. The troop roosted at SANAD until the end of this reporting period. Despite this, the troop spent the majority of its time on the cliffs above the naval barracks, Happy Valley Home and Barnard Street.

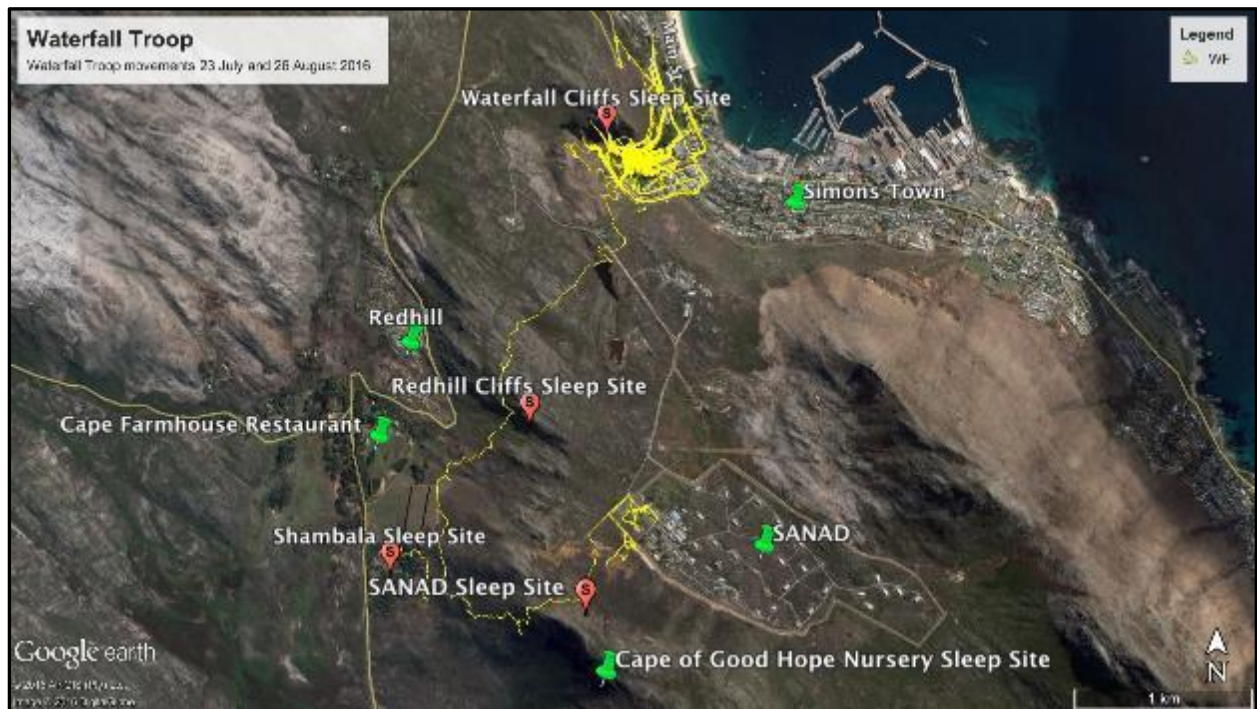


Figure 2: The Waterfall Troop's movement for the August reporting period

The troop structure and dynamics have constantly changed due to the presence of four adult males. As a result, there has been a high level of conflict and fighting between the males. On 11 August 2016, GOB7 attempted to kill an infant. TK42 and TK19 chased GOB7 away from the infant which prevented the infanticide. Towards the end of the reporting period, it was clear that GOB7 had replaced TK42 as the alpha male of the troop. GOB7 has been observed in consorts and copulations with the high ranking female baboons in the troop.

The troop continued to split into smaller raiding parties that raided the naval barracks and in town. Poor waste management, limited baboon-proofing at the naval barracks, fruit trees in the urban area, refuse bins that are not baboon-proof and deliberate feeding are among the number of attractants, which keep the animals in the urban area.

The troop only spent eight minutes in the urban area during August 2016. By contrast, individual animals spent 37.5 hours in the urban area. Out of the adult males, 20 incidents were recorded for CON4, 15 incidents for TK19, 13 incidents for TK42 and eight incidents for GOB7.

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: AUGUST		3	Non malicious damage										6	Raid occupied house or vehicle										9	Nocturnal Raiding																																			
BABOON ID	Sex	23	24	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	22	23	24	25	26	TOTAL																							
Troop							1																													2, 2, 2, 2, 2	7																							
GOB7 (B)									2						2	2, 2	2, 2							2														8																						
CON4 (B)	M	2, 7			1				2				1	2	2	2		2, 2	1				2	2, 6	2	2			1		1		2, 6					20																						
TK19 (R-W)	M			1				2	2	1		2	1	2	2			1	1		1		2			2	2			1								15																						
TK42 (B-Y)	M	2		2			2			2						2	2							1	2	2		1			2		2, 2					13																						
WFF3	F																																																											
WFF4	F																																																											
WFF5 (Y)	F									2					2	1																					3																							
WFF6																																																												
WFF7																						2															1																							
UnID Females	F		2	2				2	5			2	1	2		1	1	2	2		1			2					1	1	1	1						17																						
UnID Juveniles				1				1	5			1	6	1	2				2	2								5		1								11																						
UnID Male	M																			2																		1																						
UnID Individuals		5					2	5		1	2			1	2, 2, 5	5	5				2		2, 5		2	2	1	1			5							19																						
		%	TIME SPENT IN TOWN (Minutes)																												HRS																													
Troop		0.0					8																															0.13																						
Individuals		11.6	120	20	45	15		102	115	101	60	30	50	50	155	305	145	38	70		55	10	90	49	158	222	60	30	10	20	125						37.50																							
Roost:	AM	2	2	1	2	1	10	2	1	2	6	6	1	6	1	2	2	1	1	6	14	6	2	2	2	1	6	1	6	1	1	2	10	10	10	10																								
Roost:	PM	2	1	2	1	10	2	1	2	1	6	6	6	1	2	2	1	1	6	14	6	1	2	2	1	6	1	6	1	1	2	10	10	2, 10	10	10																								
Roost Sites	1		Waterfall Cliff										2		Happy Valley Mtn										3		Signal School										4		Waterfall Barracks										5		Mountain Residents									
	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		Red and Italics indicates raiding inside the South African Naval Ammunition Depot (SANAD). Black, Italics indicates raiding on farms																																																										

Figure 3: The Waterfall Troop raid sheet for August 2016.

3. Da Gama Troop:

The Da Gama Troop only spent 0.4% of their time in the urban area over the reporting period. The troop entered the urban area on seven occasions. The longest excursion into town was 30 minutes. Other excursions ranged between five and 15 minutes. The management of the troop as a whole, is not a big concern because the problem lies predominantly, with individual animals and small raiding parties.

Individuals spent 22% of their time in the urban area, which is an increase of 8.8% in comparison to last month (July 2016). Fruit trees in the urban area, vegetable gardens that are not baboon-proof, bins that are not baboon-proof, houses that lack baboon-proofing and poor waste management, continue to attract the animals to the urban area. DG14, a sub-adult male, showing signs of dispersal, spent a large amount of time away from the troop and occasionally was found sleeping separate from the troop in the urban area. DG15 constantly chased DG14 away from the troop. When DG14 was away from the troop the animal entered the urban area at Welcome Glen and hid from the rangers. This situation contributed to the 8.8% increase of time in town by individual animals.



Figure 4: The Da Gama Troop's movement for the August reporting period

During this reporting period the rangers only managed to get the troop to roost on the mountain on one occasion, this was when the troop slept above the big graveyard at Ocean View. Foraging remained difficult for the troop, due to the continued harsh winter environmental conditions. During winter, the troop tends to forage and roost in the lower lying areas which offer it protection from the elements. However, on several occasions, on days with favourable weather conditions, the troop focused its foraging efforts higher on the mountain.

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: AUGUST		YEAR: 2016										3 Non malicious damage										6 Raid occupied house or vehicle										9 Nocturnal Raiding																			
BABOON ID		Sex	23	24	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	22	23	24	25	26	TOTAL													
Troop				1												1											1	2	1							1		7													
DG14 (O-G)		M		1	2	2, 2, 2, 2	5	1				1	1		1	1	1				2, 2, 2							1	1	1		2	1	2	1		1	24													
DG15 (R)		M			1										1							1	1	1	2				1			1		1			10														
DG16		M			2			1				1	7	1	1	2	1	2			2, 2, 2	1		2	1			1	1	1		1		2			19														
DG17		M	2	1	2							6	1	1	1	2	1	2			2, 2, 2			1						1							15														
DG18		M	2	1	1																																3														
TK43 (W-W)		M		2	2			2				1			1	1				1	2, 2, 2								1								11														
SWB8		M																																																	
DGF1		F																															1				1														
DGF2		F																																																	
DGF4		F					2	5			1													1				2							1		6														
UnID Females		F			1	2, 2						1			1		1	1			2, 2, 2											1	1				12														
UnID Female		F	1					1	1		1	1		1										1	2			1		1		2					11														
UnID Individuals												1			1												1		1								5														
UnID Juvs																						1						1						2			3														
		%	TIME SPENT IN TOWN (Minutes)																													HRS																			
Troop		0.4	10		10											5											30	15	10							1.33															
Individuals		22.0	138	65	200	145	105	266		60	173	87		215		185	75	120	28	380	105	5	125	45			10	261	145	305			306	175	75	175	15	270	70.98												
Roost:		AM	2	3	2	2	2	2	15	2	2	2, 3	5	2	2	2, 3	5	2	2	2	2	1	1	2	2, 3, 5	2	3	3	3	2	2	2, 3	2, 3	2	2	3	2														
Roost:		PM	3	2	2	2	2	15	2	2	5	2	2	2, 3	5	2	2	2	2	1	2	2, 3, 5	2	3	3	3	2	2	2, 3	2, 3	5	2	3	2	2																
Roost Sites		1 Flats										2 Pines - Flats										3 Pines - Da Gama										4 Pines - WG										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 Ocean View									
		16 KL sleep site										17 Maylands										18 Elsie's 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																																																			

Figure 5: The Da Gama Troop raid sheet for August 2016.

Over this reporting period DG15 and TK43 continued their struggle for the position of alpha male. TK43 has on occasion been seen displacing DG15. However, DG15 was observed displacing TK43 on a more regular basis. Furthermore, DG15 has been observed in consorts and copulations with high ranking females in the troop. Thus DG15 appears to be in a strong position to take over the role as alpha male.

Births and Deaths

One new born was reported in the Smitswinkel Bay Troop on 31 July 2016 and one new born was reported in the Waterfall Troop on 6 August 2016. No deaths were reported in the south east section during August 2016.

Recommendations

- Residents at the naval flats in Da Gama Park, should place their **refuse bags inside the bins, inside the bin bay** and not leave it in front of the gate or on the floor.
- **Broken garages** at the naval flats in Da Gama Park should be fixed, because the baboons are climbing in through the openings to gain access to the bins.
- **Locks on baboon-proof bins should be kept locked at all times, even on bin days.** This is because the trucks are able to open bins with the locks being locked.
- All vegetable gardens should be baboon-proofed and residents should refrain from growing fruit trees in baboon affected areas, or remove fruit from trees.
- **Waste management and the security office kitchen, at SANAD,** should be baboon proofed, as this is attracting baboons into the facility.
- Electric fencing around SANAD should be kept on if possible, **and if it is off, security guards should inform the rangers or alert the hotline.**
- Waterfall Barracks should still **utilise baboon-proof bins and keep doors and windows closed.**

South Western Region – Area Manager: Cath Shutte

1. Groot Olifantsbos Troop (GOB)

KOB2 is now definitely the alpha male of the Groot Olifantsbos (GOB) Troop. The troop spent the first five nights of the month at the Shamballah Holistic Centre (Shamballah) sleep site. However, the troop spent the remainder of the month sleeping inside the Cape Point section of the Table Mountain National Park. This is a positive sign, because it seems that KOB2 is less habituated than the previous alpha male, GOB7, who moved to the Waterfall Troop last month (HWS July 2016 Report).

On 29 July 2016, a hotline call was received at 18h03 alerting management to an injured juvenile baboon opposite the Perdekloof picnic site. The Field Manager, Sam Pinzi, was in the area and responded to the call immediately. He managed to catch the juvenile and the South West Area Manager, Cath Shutte, collected and transported the small juvenile to the City of Cape Town's Westlake holding facility for veterinary attention.

Veterinarian, Dr Dorothy Breed, assessed the injured juvenile and diagnosed her with severe canine inflicted injuries to her back legs, hip and face which were indicative of baboon-on-baboon conflict. The juvenile was subsequently euthanised for humane reasons.

Unfortunately, with the movement of GOB7 out of the troop, it leaves the GOB Troop without a VHF collar on any individual. The ability to track the troop greatly assists management of the troop and as such, efforts will be made to fit KOB2 with a VHF collar.

The troop concentrated their forage efforts to the lush wetland behind the Perdekloof picnic site and to the indigenous vegetation within the reserve.

2. Misty Cliffs Troop (MC)

The Misty Cliffs Troop spent the majority of the month (20 nights) sleeping on the cliffs and in the caves between Scarborough and Misty Cliffs. The troop also spent 10 nights sleeping on Bonteberg in the Cape Point section of the Table Mountain National Park.

SK3 from the Da Gama Troop, entered homes in Da Gama Park and Welcome Glen regularly in the past year. He was extremely bold and entered both occupied and unoccupied houses. During July SK3 moved into the Misty Cliffs Troop, and his brazen behaviour has continued. He entered both occupied and unoccupied houses in Scarborough and Misty Cliffs. Due to his raiding history and bold nature, SK3 was euthanised on 23 July 2016 following Wild Animal Advisory Committee (WAAC) approval.

The troop's internal dynamics seemed to be more settled after the removal of SK3. The troop's movement pattern was more stable this month in comparison to last month (HWS July 2016 report). The Troop concentrated its forage efforts in the indigenous vegetation below the cliffs between Scarborough and Misty Cliffs and to the post fire fynbos, in its pioneer stages, on Baskloof. The troop enhanced its diet and foraged along the coastline on a number of occasions. The troop continued to utilise the stream running alongside Misty Cliffs as a water source.



Figure 6: Misty Cliffs Troop's movement for the August reporting period.

The troop, as a whole, entered the urban area on six occasions this month, a noticeable decrease from last month's 13 occasions (HWS July 2016 Report). The troop as a whole did not raid any bins this month. However, there were two instances of house raids by individuals, one occupied and one unoccupied.

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: August	YEAR: 2016	3	Non malicious damage	6	Raid occupied house or vehicle	9	Nocturnal Raiding																														
BABOON ID	Sex	23	24	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	22	23	24	25	26	TOTAL
SK3	M																		1	1	1	1														0	
MCF6	F										1		1						1	1	1	1														6	
Unld Females	F									1						1	5	2,6					2			1										7	
Juveniles										1						1																				2	
Troop										1	1					1	1	1					1													6	
	%	TIME SPENT IN TOWN (Minutes)																												HRS							
Troop	4.9									135	13					265	265	123					153													15.90	
Individuals	6.8									224	96		14			20	32	264	150	240	240		22			12										21.90	
Roost:	AM	2	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	6	1	1	1	1	1	1	1	1	1	4	4	4	4	4	4	4	4	
Roost:	PM	1	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	6	1	1	1	1	1	1	1	1	1	4	4	4	4	4	4	4	4		
Roost Sites		1	Misty Cliffs 1				2	Misty Cliffs 2				3	Witsand				4	CoGH Reserve				5	Other														
		6	Scarborough Beacon																																		
ID Features of Baboons																																					
General remarks																																					

Figure 7: Misty Cliffs Troop raid sheet for August 2016.

On 12 August 2016, HWS rangers alerted management that there was an individual female who was moving slower than usual. The South West Area Manager, Cath Shutte, and Senior Area Manager, Ziggy Rode, responded to assess the baboon, MCF6. MCF was with the troop at the sleep site above Misty

Cliffs. HWS rangers monitored her closely over the next two days and veterinarian Dr Breed was called in to assess her condition on 15 August 2016.

Dr Breed's diagnoses was that MCF6 was a geriatric female in a poor state. She had an injury on her rump, an eye injury and poor dental health. She was very thin and her emaciated state was only apparent after immobilisation. MCF6 was therefore euthanised for humane reasons.

On 17 August 2016, the troop was found above Misty Cliffs and moved up onto Baskloof and towards Stonehouse. The troop moved through the valley, foraging along the way and entered the Cape Point Section of the Table Mountain National Park at Kogelfontein. The troop moved straight to Bonteberg, where it spent the rest of the day foraging on the indigenous vegetation.

The troop spent the last 10 nights in the reserve. It is hoped that while the Misty Cliffs Troop is in the reserve, it will interact with the GOB Troop. This will strengthen previous social bonds, and hopefully encourage the small Misty Cliffs Troop to re-join its parent troop.

3. Slangkop Troop

The Slangkop Troop split its sleep site preference this month. The troop spent 17 nights on the compass cliffs sleep site and 17 nights in the pines behind Ocean View.



Figure 8: Slangkop Troop movement for August 2016 reporting period.

Following on from last month, there were still issues for the Slangkop Troop with regards to the children with dogs behind Ocean View. An awareness campaign is in the process of being compiled, to address these issues with residents and to educate the children through environmental awareness at the local schools.

The Slangkop Troop's time in town has dropped yet again this month. The troop, as a whole, only entered the urban area on two occasions this month and bin raids were reduced at In2Foods Compass. There were only two bin raids at the facility. A follow-up site meeting will be arranged to stay on top of this issue.

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: August	YEAR: 2016	3	Non malicious damage					6	Raid occupied house or vehicle					9	Nocturnal Raiding																						
BABOON ID	Sex	23	24	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	22	23	24	25	26	TOTAL
DG6	M																										2				1			1		1	4
SK6 (Sub-adult)	M													2				6																			2
UnID Males	M																						1		1								1				3
UnID Females	F								1					2									1		1		2				1			1			7
UnID Juveniles									1									2					1								1						4
Troop																										2					1						2
	%	TIME SPENT IN TOWN (Minutes)																												HRS							
Troop	0.6																									42					75					1.95	
Individuals	0.9								15					20				10						17	16	10				25		23	16	30	3.03		
Roost:	AM	2	3	3	2	2	2	2	3	2	2	2	2	3	3	2	2	3	2	3	3	3	3	2	2	3	2	3	3	3	3	3	3	2	3	3	
Roost:	PM	3	3	2	2	2	2	3	2	2	2	2	2	3	2	2	3	2	3	3	3	3	2	2	3	2	3	3	3	2	3	3	2	3	3	3	
Roost Sites		1 Slangkop					2 Ocean View					3 Compass balery					4 Witsand					5 Other															
ID Features of Baboons																																					
General remarks																																					

Figure 9: Slangkop Troop raid sheet for August 2016.



Figure 10: DG6, the alpha male of the Slangkop Troop.

Births and Deaths

No births were reported in the south west section during this reporting period.

SK3, an adult male in the Misty Cliffs Troop was euthanised, following WAAC approval, due to his aggressive raiding behaviour. MCF6, an adult female in the Misty Cliffs Troop was euthanised for humane reasons.

A small juvenile was euthanised from the GOB Troop for humane reasons.

Recommendations

- **Removal of invasive alien 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. This issue has been addressed with SANParks and is pending.
- **Fruiting Trees:** All visible fruit should be harvested from fruit trees in baboon affected areas.
- **In2Foods Compass:** The recycling area should be baboon-proofed and black bins should be secured to prevent them from being tipped over.

Northern Region – Area Manager: Robyn Khoury

1. Tokai Troop

As winter comes to an end, the Tokai Troop has started to use the upper reaches of its home range, including upper Constantiaberg, and Silvermine Reserve (Figure 11). However, the troop still preferred the lower sections on cold, rainy or windy days.

Chrysalis Academy, a youth development program at Porter Estate, was between student intakes during August, and as such, there were not many people around. As such, the raiding opportunities at Chrysalis Academy were minimal during August 2016.

The majority of raiding this month, took place in the urban area by adult males: TK45 and TK47 (Figure 12). Their raiding was mainly focused on the Cape Academy, where they raided bins or the kitchen. Additionally, on their way from Porter Estate to the Cape Academy, these two males also started raiding the Open Door restaurant at Constantia Uitsig.



Figure 11: Tokai Troop movements in August 2016

During August, TK47, as well as an untagged adult male, has been showing the initial signs of dispersal. Dispersal is a natural behaviour that occurs in young adult males that leave the troop to find a new troop, in an effort to prevent in-breeding. TK47 and the untagged male left the troop, they spent time on the urban fringe and showed no interest in returning to the troop. They also spent many hours away from the troop without raiding.

HWS: TROOP MONTHLY REPORT																																																													
SECTOR NORTH		CLASSES OF BEHAVIOUR																																																											
		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: AUGUST		YEAR: 2016		3	Non malicious damage										6	Raid occupied house or vehicle										9	Nocturnal Raiding																																		
BABOON ID	Sex	23	24	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	22	23	24	25	26	TOTAL																								
TK28 (B-G)	M	1	2,2	1	1	1,6					1	1,6							2															6		1,2		14																							
TK 47 (white)	M					1													2		1,2,5		1,5														9																								
TK 48 (Red)	M															5																					2																								
TK 45 (Purp-W)	M								2	2,5							2	2,2		2	1,2		1,2	1,2		1	2,6		1,5						1,2		20																								
Untagged GT male	M																																				0																								
MT3 (Pu-B) ALPHA MAL	M					1																															1																								
Uni Male	M						2																1,2														3																								
Tokai Troop																																																													
		%	TIME SPENT IN TOWN (Minutes)																										HRS																																
Troop		0.0																											0.00																																
Individuals		2.0	15	45	30	10	30					10	105				35		20	25		15	20		10	15		10					10		53		6.58																								
Roost:		AM	1	1	1	1	1	6	1	1	11	1	6	6	10	1	11	1+6	5	1	6	11	6	1	1	1	1+6	11	6	7	1	1	1	1	1	7	1																								
Roost:		PM	1	1	1	1	6	1	1	11	1	6	6	10	1	11	1+6	5	1	6	11	1	1	1	1	1+6	11	6	7	1	1	1	1	1	10	1	6																								
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 Tokai bridge										11 Silvermine pines										12 Level 3 Mixed plantatio									
		13 Other										14										15										16										17										18									
ID Features of Baboons																																																													
General remarks		Bold and <i>italics</i> represent raids that took place in non-urban areas.																																																											

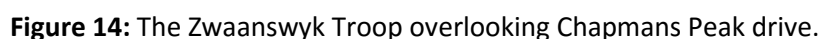
Figure 12: Tokai Troop raid sheet for August 2016.

2. Zwaanswyk Troop

Following the foraging pattern of the Tokai Troop, the Zwaanswyk Troop also started using the upper sections of their home range during this month.



Figure 13: Zwaanswyk Troop's movements in July 2016



HWS: TROOP MONTHLY REPORT																																					
SECTOR		CLASSES OF BEHAVIOUR																																			
NORTH																																					
BABOON TROOP:	ZWAANSWYK	1	In urban area	4	Attacking pets	7	Threatening behaviour/attack/stealing food																														
MONTH: AUGUST	YEAR: 2016	2	Raid bins	5	Raid unoccupied house or vehicle	8	Breaking & Entering/Damaging property																														
		3	Non malicious damage	6	Raid occupied house or vehicle	9	Nocturnal Raiding																														
BABOON ID	Sex	23	24	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	22	23	24	25	26	TOTAL
MT2 (Yellow) Collar	M	5,6				1		2	1							5,5	5,5,6,7				2	6	5	2,5	5							5		1		19	
TKF5 (Green)	F																																			0	
TKF7 (Red) TAG OUT	F																	2																		1	
Uni Juvenile																		6																		1	
Zwaanswyk Troop																																					
	%	TIME SPENT IN TOWN (Minutes)																												HRS							
Troop	0.0																																			0.00	
Individuals	0.5					35		50	12																								20		1.62		
Roost:	AM	1	1	7	1	1	6	1	1	2	1	1	1	6	1	11	6	5	1	1	11	6	13	6	1	13	11	1	7	6	1	1	1	1	10	6	
Roost:	PM	1	7	1	1	6	1	1	2	1	1	1	6	1	11	6	5	1	1	11	6	13	6	1	13	11	1	1	6	1	1	1	1	10	6	1	
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	Tokai Bridge				11	Silvermine pines				12	Lev 3 Mix plantation									
		13	Other				14					15					16					17					18										
ID Features of Baboons																																					
General remarks	Bold and <i>italics</i> represent raids that took place in non-urban areas.																																				

Page 16 of 23

3. Constantia Troop 1 (CT1)

While the northern side of the mountain provides plentiful forage, it also lies right against the urban edge, which allows for easy access into Price Drive, Ou Wingered Road and other Constantia roads along the urban edge. As such, there has been a spike in urban incursions. This is clearly noticeable in the August raid sheets (Figure 16).

It is interesting to note however, that although the urban incursions are much higher than usual this month, the amount of raiding (i.e. codes 2-9) has not increased more than usual for this time of year. Fruit trees, vineyards, chicken runs (providing grain and eggs), garden vegetation, compost heaps and unsecured bins in residents' gardens are attracting the baboons into the urban area. As such, the baboons do not need to raid houses to gain rich rewards when visiting the urban area.

On the 5 August 2016, at least half of the troop managed to evade rangers and enter Price Drive. These baboons foraged for 20 minutes in urban vineyards and gardens before being moved back to the mountain by HWS rangers.

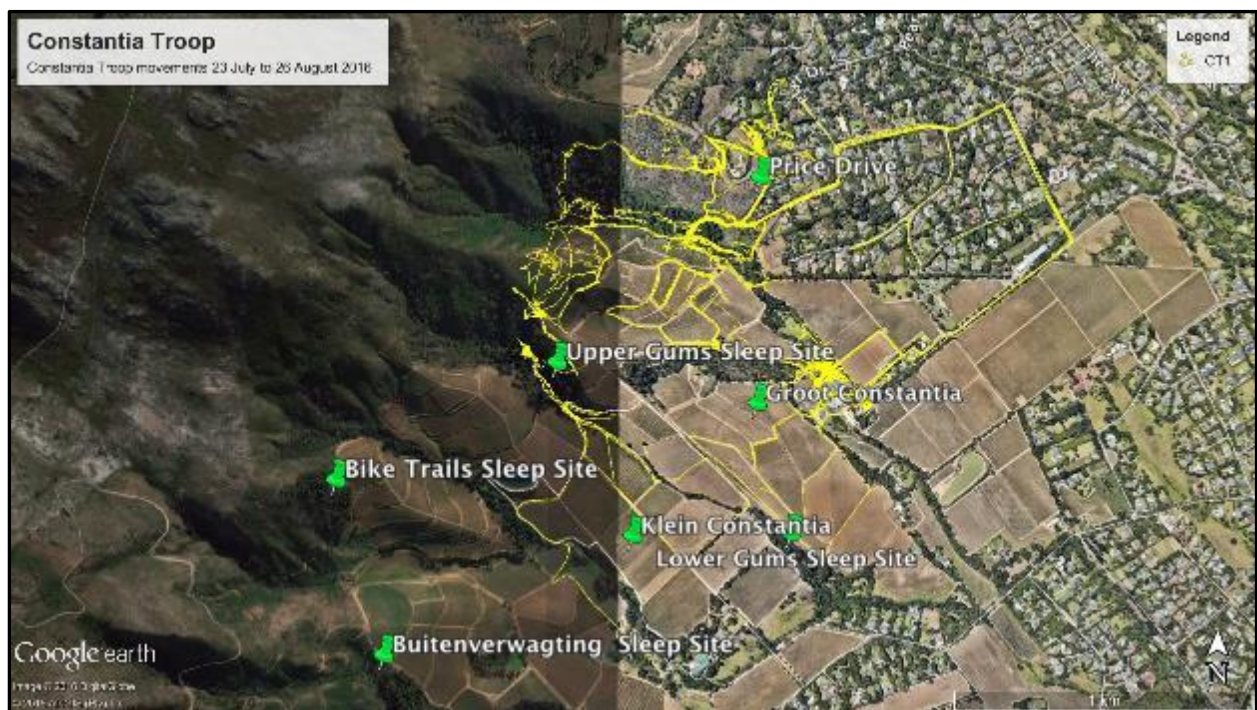


Figure 16: CT1 Troop's movements in August 2016 (yellow lines in the urban area are indicative of HWS' staff's movements between areas).

There were two baboon-dog altercations incidents this month. Both occurred when male baboons left the troop and entered the urban area. On the 5 August 2016, adult males CON6 and TK33 were in a garden in Bellair Drive. The two baboons began fighting with each other whilst in the garden. This drew

HWS: TROOP MONTHLY REPORT																																					
SECTOR NORTH		CLASSES OF BEHAVIOUR																																			
		1 In urban area	4 Attacking pets	7 Threatening behaviour/attack/stealing food																																	
BABOON TROOP:		CT 1	2 Raid bins	5 Raid unoccupied house or vehicle	8 Breaking & Entering/Damaging property																																
MONTH: AUGUST		YEAR: 2016	3 Non malicious damage	6 Raid occupied house or vehicle	9 Nocturnal Raiding																																
BABOON ID	Sex	23	24	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	22	23	24	25	26	TOTAL
TK33 (R-O)	M	2	2		1,2			1	2	1,2	1,2			2,4	1									1,1			1						1			1	18
CON1 (untagged)	M						1			1,2									1,2							1,2						1	1				9
CON2 (B-O)	M	2				1,2							1,6		1		1,4																1	1			9
CON 6 (Collar)	M						5	7		2	1,2			2,4			2		1					1					1	5			1,6	2,2,6	1		18
CON 8 (Purp)	M																																			0	
CON 10 (Pi-Pi)	M														1									1			1						1	1		5	
CON 11 (Y-Y) SA	M									1,2					1	1							1			1						1	1	1		9	
CON 13 (W-W)	M														1																6		1	2,2	1	1	7
MT1 (G-W, white tag gone)	M						5								1											1,2		1	5				1			7	
UN-ID SA male	M														1				1				1									2			1	5	
UN-ID adult male	M																														1				1		
UN-ID adult male	M							5			1,2				1	1	1			1	2		1					1				1				11	
UN-ID female	F														1	1							1					1				1				5	
UN-ID Juve															1								1					1								3	
CT1 Troop															1																					1	
		%	TIME SPENT IN TOWN (Minutes)																										HRS								
Troop		0.7													20																				2.33		
Individuals		4.																																			

Figure 17: CT1 raid sheet for August 2016.

4. Constantia Troop 2 (CT2)

The Constantia Troop 2 (CT2) was rarely seen during this reporting period. CT2 slept mainly at the Bike Trail Gums sleep site, or the Buitenverwachting Gums sleep site and was moved up and out Klein Constantia or Buitenverwachting by their respective teams each morning. On most days, the troop moved up Langboskloof or Donkerboskloof to the top sections of Vlakkenberg. No raiding by this troop was recorded in August 2016.

5. Mountain Troop

The Mountain Troop continued to require more management this month, than in previous months. On most days, a single HWS ranger was required for the duration of the day, to keep the troop from running over Orpen Road, or to prevent raids in the non-urban space.

The Buitenverwachting rangers reported that it has become very difficult to move the troop off the farm by pushing them up the mountain because they are hampered by thick alien invasive vegetation that borders the farm. As such, the Buitenverwachting rangers move the Mountain Troop in a southern or eastern direction into Tokai Plantation or down towards Porter Estate.

Births and Deaths

One new-born was reported in the Tokai Troop on 29 July 2016 and one new-born was reported in the Zwaanswyk Troop on 23 August 2016.

Two new-borns were reported in CT1 on 7 and 23 August 2016 respectively. One new-born was reported in the Mountain Troop on 23 July 2016. One infanticide, by an unknown male, was reported in CT1 on the 23 July 2016.

Recommendations

- The fence around the **Tokai Picnic Site** should be upgraded, and in some places repaired to ensure that it becomes **baboon-proof**. This would prevent the troops accessing this area and raiding picnickers.
- It is recommended that **residents** in **Constantia Valley**, in particular Price Drive, Ou Wingered Road and Bellair Drive, **remove or baboon-proof** as many **baboon attractants** as possible. This includes enclosing compost heaps and vegetable gardens, picking fruit off trees and baboon-proofing bins.

C. GENERAL COMMENTS ON ALL BABOON TROOPS

Population Data

This month there were seven births and four deaths in the managed population. What is most interesting about these data, is that five of the births, and only one death, were recorded in the northern subpopulation, which therefore increased by four individuals. By contrast the southern subpopulation decreased by one. This follows the same trend noted last month when there were eight births in the north and only one in the south.

TROOP	Total December Populations				August 2016			Total Births	Total Deaths	Emigration/ Immigration	TOTAL CURRENT POPULATION
	2012	2013	2014	2015	Births	Deaths	Emigration / Immigration	2016	2016	2016	
Da Gama Troop	54	45	43	49	0	0	0	8	4	-1	52
Smitswinkel Bay	23	21	22	23	1	0	0	8	1	0	30
Waterfall	28	30	30	32	1	0	0	1	0	+2	35
Groot Olifantsbos	19	13	17	16	0	1	0	0	1	0	15
Misty Cliffs	18	16	14	11	0	2	0	1	5	0	7
Slangkop	33	32	36	41	0	0	0	0	0	0	41
SUB TOTAL	175	157	162	172	2	3	0	18	11	+1	180
Zwaanswyk	25	26	28	30	1	0	0	4	3	0	31
Tokai	61	65	72	62	1	0	0	8	4	+1	67
Mountain	33	44	48	49	1	0	0	4	2	-1	50
Constantia 1 & 2	60	63	70	77	2	1	0	14	7	-1	83
SUB TOTAL	179	198	218	218	5	1	0	30	16	-1	231
TOTAL	354	355	380	390	7	4	0	48	27	0	411

Table 1: Population data for the eleven managed troops on the Cape Peninsula (August 2016).

The most interesting point about this, is that it seemed reasonable to expect the northern population to slow down its reproductive rate after the huge fires in March 2015. This is because since that fire, virtually all the pines in the Tokai Plantation have been cut down. Furthermore, these pines have not been replaced by fynbos, but rather by invasive alien vegetation which would not seem to be a productive habitat for baboons. Thus, the food base on which these baboons were living, seems to have declined and the wine farms have all upgraded their electric fences, which would further reduce the baboons' access to human derived foods.

In terms of deaths this month, there was one management protocol death and three natural deaths. SK3 had raided extensively while he was still with the Da Gama Troop, and then started raiding again when he joined the Misty Cliffs Troop. In terms of the natural deaths, one female was humanely euthanased because she was dying of old age, another young juvenile was also humanely euthanased after being badly bitten in a baboon on baboon fight. The third natural death was a case of infanticide.

Deaths	2012*	2013	2014	2015	August 2016	2016 to Date	TOTAL
Management	17	16	8	7	1	4	52
Human Induced (HID)	8	7	10	24	0	6	55
Direct **	8	6	6	8	0	3	31
Indirect ***	0	1	4	16	0	3	24
Natural	7	30	19	20	3	12	88
Unknown	1	3	0	4	0	5	13
TOTAL	33	56	37	55	4	27	208

Table 2: Causes of baboon deaths since 2012 (*Data collected during the first half of 2012 provided by Baboon Research Unit, UCT); **Deaths caused directly by humans such as motor vehicle accidents, shooting, poisoning and dogs. ***Deaths caused indirectly by humans such as electrocutions and human related fires.

Hotline Data

The number of hotline calls this month was again very similar to last month, with five more raid related calls being made. This is reasonable, because August is the last of the winter months when most raids are generally recorded. Similarly, the distribution of calls from the different suburbs was very similar to last month, except this month, Scarborough was down by half and Simon's Town more than doubled.

Last month raids from Scarborough increased when SK3 moved into the troop and started raiding, but after he was euthanased early this month, calls in response to his raids ceased. By contrast, with the Waterfall Troop now having four adult males, and the troop sleeping back at Waterfall, there was a huge increase in raids into Simon's Town again.

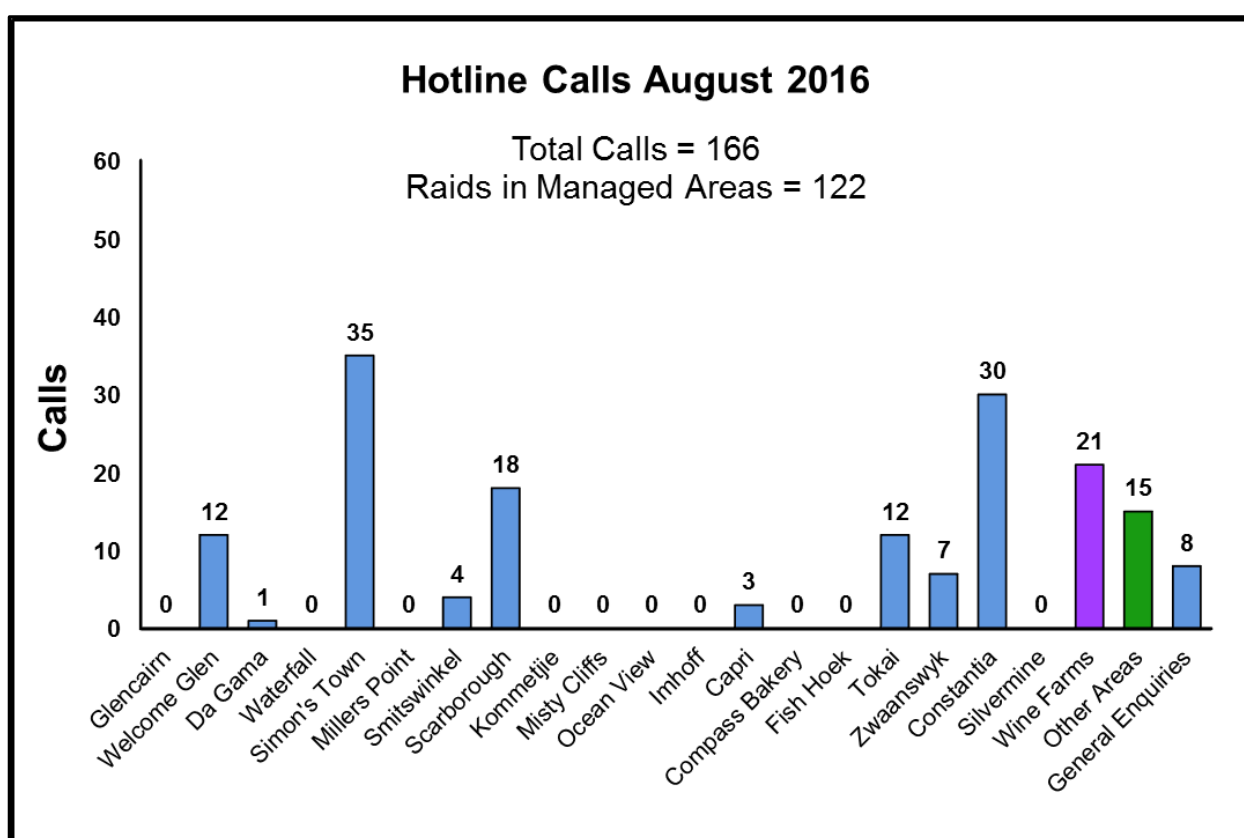


Figure 18: Hotline calls summary per urban area for August 2016.

Similarly, in Constantia there were a high number of calls in response to raids by all the adult males, resident in the CT1 Troop.

Despite the relatively high number of raid related hotline calls this month, it is still pleasing to note that 84% of calls were just reporting baboons in town, 12% were reporting bin raids and only 3% were reported house raids.

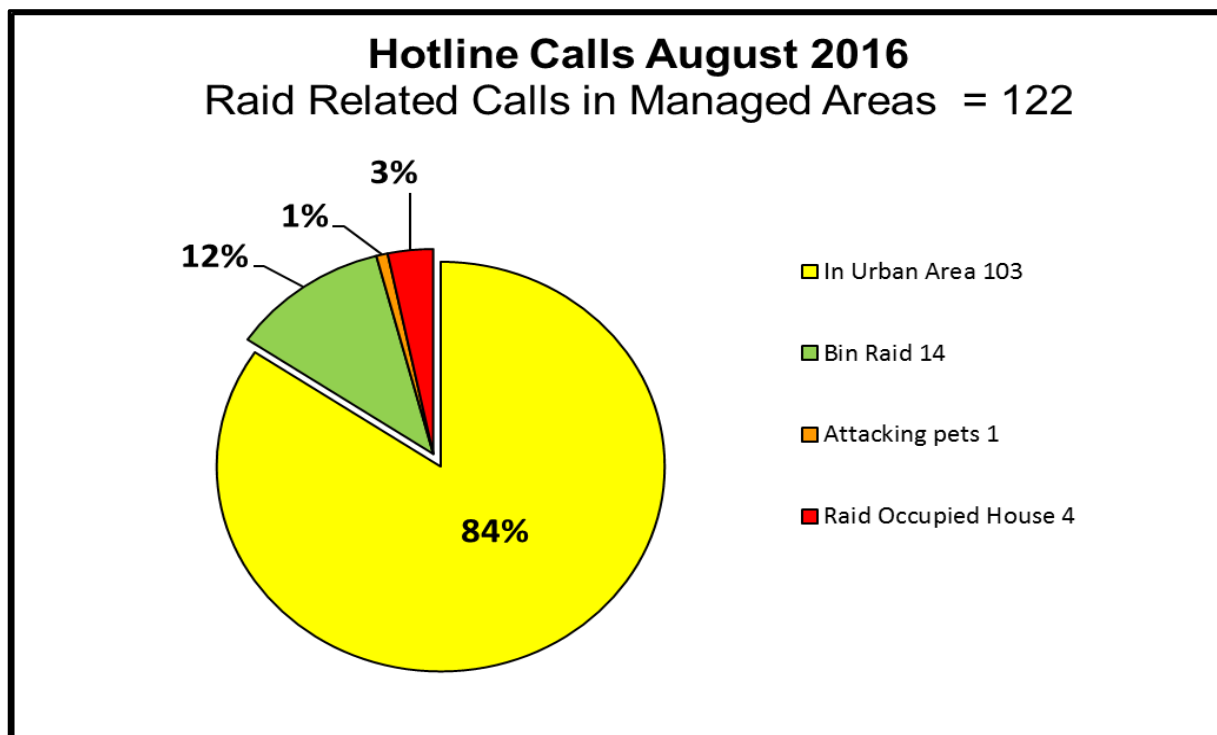


Figure 19: Composition of raid-related hotline calls during August 2016.

Percentage Time Out of Town

The percentage time the troops spent out of town was surprisingly high this month at 99.3%, with only Misty Cliffs Troop spending any appreciable time in town. However, individuals from the Da Gama, Waterfall, Misty Cliffs and CT1 Troop spent significant amounts of time in town trying to raid for food.

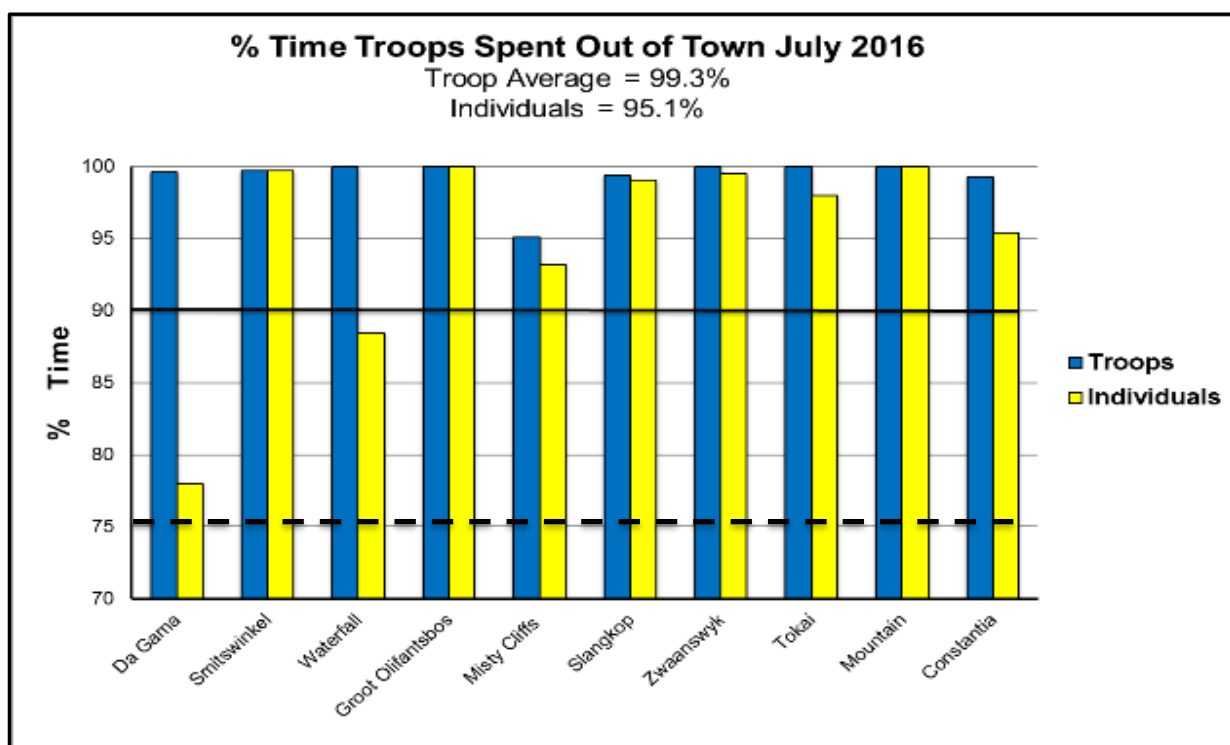


Figure 20: Percentage time troops spent out of town (August 2016). The solid line indicates the City of Cape Town's 2014 contract requirement and the broken line indicates the 2012 contract requirement.

Conclusion

Apart from the relatively high number of hotline calls typically associated with the end of winter this month, there were also a few incidences worth noting that affected the behaviour of specific troops. The full time arrival of GOB7 in the Waterfall Troop increased this troop's number of adult males to four, leading to quite a high degree of disturbance in the troop. This, combined with the troop's return to Waterfall, lead to high levels of individual raids into Simon's Town.

By contrast, the removal through the raiding male protocol, of SK3 from the Misty Cliffs Troop, meant that this troop settle down considerably after he left and there are good prospects of this troop re-joining its parent troop, GOB. This would have a major impact on the Misty Cliffs Troop females, because the GOB Troop already spends most of its time in the CoGH Reserve, and the new alpha male, KOB2, is much less habituated than GOB7, and will therefore try to keep his troop out of town.

The continued high reproductive success and hence growth of the baboon subpopulation in the north is surprising, given the apparent huge reduction in food availability since the March fires last year. Why the northern population continues to grow faster than the troops in the south despite the removal of the pine trees and improved electric fencing around the farms, is an anomaly that needs to be investigated.

Dr Phil Richardson

Human Wildlife Solutions