

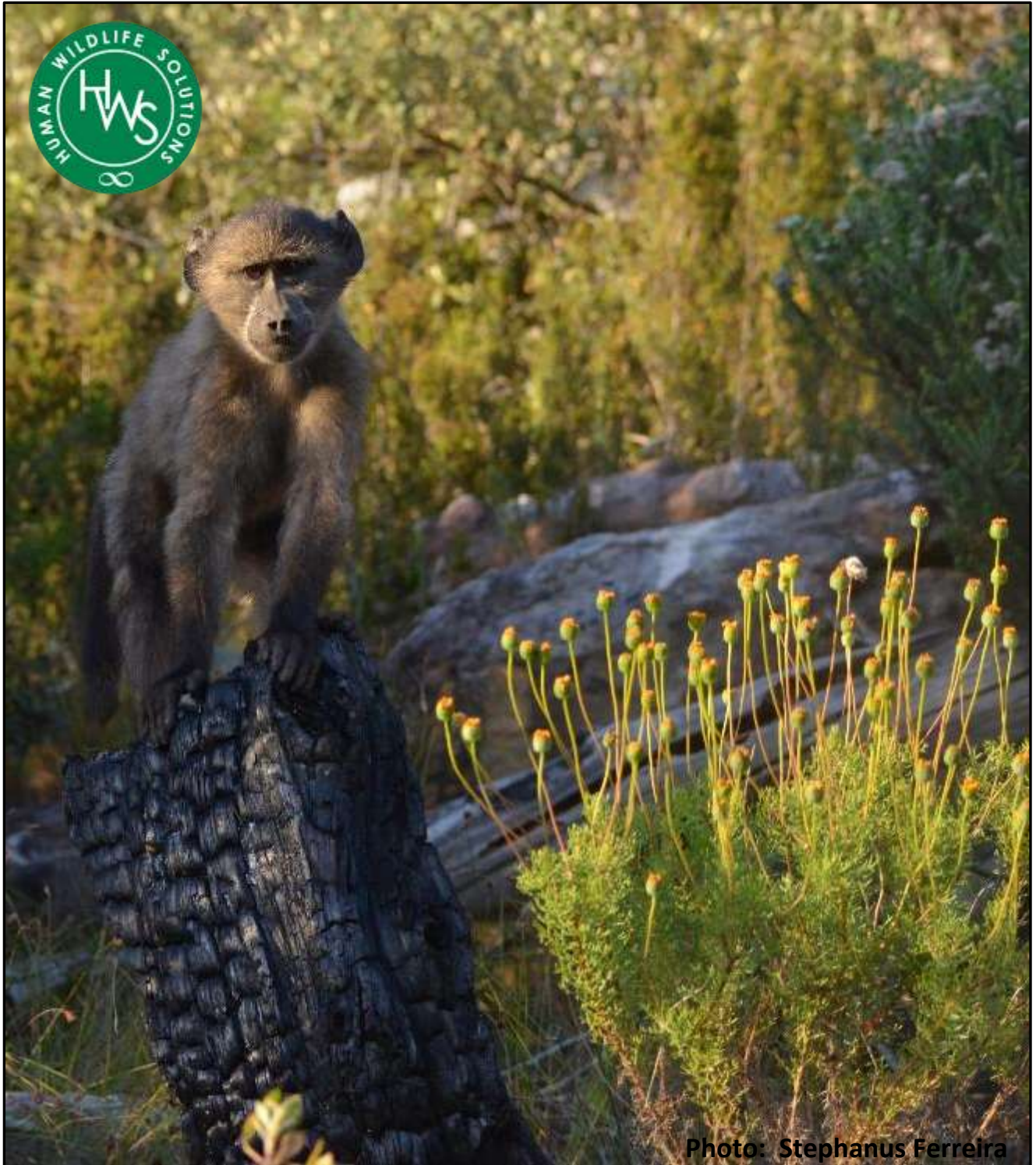


Photo: Stephanus Ferreira

Human Wildlife Solutions

Monthly Report

MAY 2017

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A. INTRODUCTION

This monthly report covers the period from 29 April to 26 May 2017. This month, like last, the troop's time out of town continued to improve (99.6%). The number of raid related hotline calls were high again this month, 170 calls, but slightly lower than last month, 189 calls.

With the cold winter months commencing the baboons have settled into their winter foraging patterns. This is typified by the baboons increasing their movement in the lower reaches of the mountains, which, in turn, has the potential to lead to an increase in baboon / human conflict and time spent in town. However, time in town can predominantly be ascribed to individual raiding activities and not troops.

Management of certain troops, most notably Waterfall and Smitswinkel, continued to be a challenge this month. These troops are currently not moving as cohesive units, but are rather splitting into smaller raiding parties. These raiding parties enter town at different locations and at different times making it extremely challenging to manage.

The removal of invasive alien vegetation in the north, within Table Mountain National Park, has already had a positive impact on baboon movements, promoting movement to the upper reaches of the mountain.

B. BABOON MANAGEMENT AND RAID REPORTING

South Eastern Region – Area Manager: Ziggy Rode

1. Smitswinkel Bay Troop

The Smitswinkel Troop displayed a similar trend to May 2016, spending the majority of May 2017 in the northern section of its home range. However, in May 2016, the troop utilised the northern sleep sites for 74% of the time. This year, the troop slept in the northern section for the entire month, and even slept above Murdock Valley over five nights during May 2017.

It is noticeable that over the last few years, the troops' activity in the northern part of its home range, is the usual trend for the winter months. The northern sleep sites provide better shelter from the deteriorating weather conditions. Foraging efforts were mainly focused in the veld on the mountain between Castle Rock and Rocklands Farm. With minimal coastal foraging taking place throughout the month.

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: MAY		3	Non malicious damage				6	Raid occupied house or vehicle				9	Nocturnal Raiding																														
YEAR: 2017																																											
		BABOON ID	Sex	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	24	25	26	TOTAL											
		SWB6 (R-B)	M								1																					1											
		Troop																1														1											
		CON10	M							1	1			1		1				1,2	1,2	1	2	1	1	2	2	2	1	1	1	18											
		UnID Individuals							1	2	1																					3											
		UnID Fem	F						1										1					1		2						4											
		SWBF1	F								1,5									1					1		2					3											
		SWB10 (R-R)	M						1				1		1				1		1		1	1			1	1	1	1	1	11											
		UnID Male	M																	1		2		6		1	1					5											
		UnID Juveniles						1											1				1	1								4											
			%	TIME SPENT IN TOWN (Minutes)																								HRS															
		Troop	0.0																													0.00											
		Individuals	###						120	145	90			15		60		35		135	65	20	325	130	25	85	60	720	180	35	179	40.40											
		Roost:	AM	5	5	6	6	6	6	4	4	4	5	5	6	6	5	5	6	4	6	6	4	6	4	5	5	9	9	9	9												
		Roost:	PM	5	6	6	6	6	4	6	4	5	5	6	6	5	5	6	4	6	6	6	6	4	5	5	9	9	9	9	9												
		Roost Sites		1				Smits Caves				2				Partridge Point				3				Bluegums				4				Millers Point				5				Rocklands Farm			
6				Castle Rock				7				SANParks				8				Other				9				Murdock Valley				10											
		ID Features of Baboons																																									
		General remarks																																									

Figure 1: Smitswinkel Bay Troop raid sheet for May 2017.

CON10 and SWB10 both started moving together, pushing for the Black Marlin Restaurant as well as Murdock Valley. The push to Murdock Valley was mainly initiated by SWB10, with CON10 pushing harder for the Black Marlin Restaurant.



Figure 2: SWB10 with a laceration on his fore arm following a fight with CON10.

There was a lot of turmoil amongst the males from early May 2017. SWB10 and CON10 started fighting, and SWB10 sustained a laceration to his right front arm on 19 May. These two males then started moving separately and for the second half of May, they both moved on their own in Murdock Valley. Due to these males spending so much time in Murdock Valley, the time in town for individuals is 12.5%, which is considered very high, especially for this troop.

2. Waterfall Troop

The management of the Waterfall Troop has remained extremely challenging because the troop has not been moving as a single unit. The troop split into raiding parties that entered town at different times and different locations. The time in town for the troop is 3.2%, which is a slight increase from last month. Time in town for individuals also increased slightly to 14.9% in May 2017. The troop only slept out of town for five nights during May 2017.

On 31 March, following approval from the Wild Animal Advisory Committee (WAAC), TK42 was euthanised.

TK19 joined the splinter troop, consisting of four baboons. These animals spent large amounts of time in the urban space and often roosted away from the troop. When the troop was out of town, TK19 was always first to breaking the line, to return to the urban space. Once TK19 broke the line, WF4 (a sub-adult male) and the females would follow, and all would enter the urban area.

HWS: TROOP MONTHLY REPORT																															
SECTOR		CLASSES OF BEHAVIOUR																													
SOUTH EAST		1	In urban area					4	Attacking pets					7	Threatening behaviour/attack/stealing food																
BABOON TROOP:	WATERFALL	2	Raid bins					5	Raid unoccupied house or vehicle					8	Breaking & Entering/Damaging property																
MONTH: MAY	YEAR: 2017	3	Non malicious damage					6	Raid occupied house or vehicle					9	Nocturnal Raiding																
BABOON ID	Sex	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	24	25	26	TOTAL	
Troop							1								1				1											3	
CON4 (B)	M							1							1,2		1					2		2						6	
TK19 (R-W)	M			6,7			1	1	1,2	1				1	1	1	1	2	2	1		2		2	2				1	18	
WF4	M			1		1	1		1,2	1,2			1	1	1,2	1						2	6	2					1	16	
WFF3	F																													0	
WFF4	F																								2	2				2	
WFF5 (Y)	F																							2						1	
WFF6 (R)	F																													0	
UnID Females	F	1		1	1	1	1	1	1,2	1,1,2			1	1				2	2	1		2			2					18	
UnID Juveniles				1	1		1	1		1			1	1						7		2	6			2,2				12	
UnID Male	M																													0	
UnID Individuals		1		1		1	1,5	1	1,2			1			1,1,2	1,2	1,2	2,5				5,6	2,5	2,5	2					24	
	%	TIME SPENT IN TOWN (Minutes)																									HRS				
Troop	3.2						180								120	105	45	90	75											10.25	
Individuals	14.9	45		75	60	55	180	75	145	160		75	120	60	120	180	185	265	215	205		150	155	100	180	75				48.00	
Roost:	AM	1	1	1	1	1	6	2	6	6	6	6	1	1	6	2	6	6	6	6	14	19	2	2	2	6	6	14	14		
Roost:	PM	1	1	1	1	6	2	6	6	6	6	1	1	6	2	6	6	6	6	14	19	2	2	2	6	6	14	14	14		
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 3: The Waterfall Troop raid sheet for May 2017.

The raiding parties raided in areas that were never really utilised by the baboons previously. These areas include the Naval Dock Yard, the kitchen at the Naval Training Academy, the café at the Shell Garage on the Simon's Town Main Road bins along the Main Road and bins at businesses along the Main Road. The baboons also raided the 'What's ya flava' café regularly during May 2017. This is unprecedented for this troop, because raiding was concentrated to the Waterfall Barracks, Happy Valley Shelter and the surrounding streets, with only the odd raid occurring at the 'What's ya flava' café.

On 1 May, TK19 entered a tattoo lounge next to the 'What's ya flava' café. The baboon apparently displayed threatening behaviour towards a five-year-old child. The father of the child intervened, and TK19 then pushed the man and he sustained several scratches from the baboon. This level of aggression has not been seen before from this specific baboon, and both father and child were very traumatized by the incident.

The troop stopped moving as a cohesive unit over the last few months, as a result of all the males that are in this troop. When the troop was close to the urban edge, small raiding parties would enter town. The ranger team had to split up to try to manage all the small raiding parties and attempt to keep the majority of the troop together with the alpha male, CON4. The steep terrain, as well as the availability to human derived food's (HDFs) has made management of this troop an incredibly difficult task. With winter approaching, the troop is also more resistant to move higher up into the mountain and prefer staying lower down.



Figure 4: Waterfall Troop movement for May 2017.



Figure 5: Waterfall Troop home range use for May 2017. Red indicates the area currently used and the blue indicates the full extent of the troop's home range.

3. Da Gama Troop:

The Da Gama Troop spent 99.5% of its time out of town, and individuals spent 90.2% out of town. Throughout this month, the troop continued to travel quite far to find forage. The troop moved around Solole, the two dams and up to Grootkop, Witsand and the Red Hill area, but only slept out of town on five nights. This could be attributed to the inclement weather and the baboons seeking shelter lower down in the urban area.

The Da Gama Troop's home range has seriously been affected by the fires that occurred January 2016 and January 2017. The severe drought has hampered new regrowth of vegetation. When looking at the Google Earth map, one can see that only small patches of the area are unburnt. This could be the reason that the troop has moved so extensively throughout the May 2017.

There was still a considerable amount of conflict between the adult males. The conflict has resulted in all the males raiding and moving with their own females, in small raiding parties. The males have all raided in Welcome Glen and the top part of Glenalpine and Glenoak Roads in Welcome Glen has been a hotspot. The troop also started sleeping in 11th, 14th and 16th Avenues in Da Gama Park. It is increasingly difficult to move the raiding individuals out of town when the troop sleeps in Da Gama Park.



Figure 6: Da Gama Troop movement for May 2017.



Figure 7. Fire scar of the burnt area within the Da Gama Troop home range.

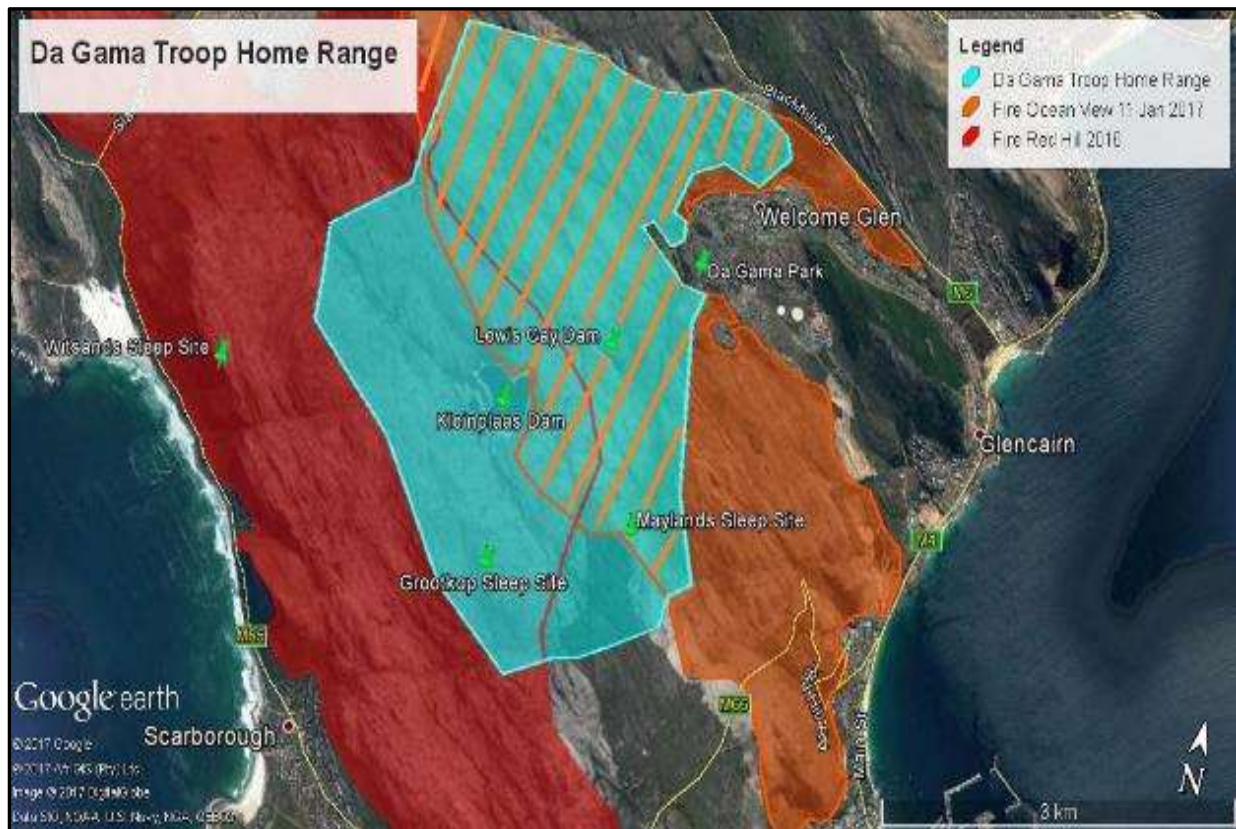


Figure 8. Map showing the Da Gama Troop home range and the sections burnt during the two fires.

HWS: TROOP MONTHLY REPORT																													
SECTOR		CLASSES OF BEHAVIOUR																											
SOUTH EAST		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	
BABOON TROOP: DA GAMA		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	
MONTH: MAY		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	
YEAR: 2017		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
		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	
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		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	
		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	
		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	
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		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	
		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	
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		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	
		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	
		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	
		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	
		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	
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		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	
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		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	
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		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	
		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	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	2							

Figure 9: The Da Gama Troop raid sheet for May 2017.

DG15, the alpha male, has not been as dominant since he sustained a hand injury. This led to a challenge from DG14 who subsequently killed an infant in the troop on 15 May. DG15 has also been raiding more since being challenged and a resident reported seeing DG15 attack a cat on 19 May.

The movement of TK43 is a concern. Over the last month TK43 moved down Dido Valley Road, entering the Navy facility along the road. Rangers have managed to stop him from moving all the way to the Scala Barracks, but with the imminent low-cost housing development in the area, every effort should be made to prevent the baboons from going to this area.

Births and Deaths

No births were recorded in the south-east during May 2017. One infanticide occurred in the Da Gama Troop on 15 May 2017.

Recommendations

- In the interest of more effective baboon management, residents at the naval flats in Da Gama Park should place their **refuse bags inside the bins, inside the bin bay** and not leave bags in front of the gate or on the floor.
- **Broken garages** at the Naval flats in Da Gama Park should be fixed, to prevent baboons from climbing in through the openings to gain access to the bins.
- All **vegetable gardens should be baboon-proofed** and residents should refrain from growing fruit trees in baboon affected areas. Alternatively, all fruit should be removed from fruiting trees.
- Residents at the Waterfall Barracks and Happy Valley Shelter should **ensure their doors and windows are closed**, to prevent raids.
- **Law enforcement is urgently needed** in Welcome Glen and Da Gama Park to prevent the illegal use paintball markers and pellet guns by residents, who use these to deter baboons.
- Baboon management of the Smitswinkel Troop will be greatly improved if strategies such as **baboon-proofing, streamlined waste management, erection of signage and availability of flyers** to alert to patrons to the presence of baboons, is implemented at the Black Marlin Restaurant.
- **Poor waste management at the South African Naval Ammunition Depot (SANAD)** and the Waterfall Barracks urgently needs to be addressed, so that baboons cannot gain access to food so easily.
- **A solution for the 'What's Your Flava' café** in Simon's Town needs to be found, to prevent baboons from raiding the shop, while still making it easily accessible for customers.

South Western Region – Area Manager: Cath Shutte

1. Groot Olifantsbos Troop (GOB)

The GOB Troop spent the month moving in and out of the Cape of Good Hope (CoGH) section of the Table Mountain National Park (TMNP). The troop slept outside the CoGH for 61% of the month and roosted within the CoGH for 39% of the month.

While inside the CoGH, the troop foraged in the indigenous vegetation behind Wildschutsbrand and Perdekloof. Few coastal foraging bouts occurred this month, this was mainly due to GOB7 dictating the troops movement pattern. While outside the CoGH, the troop foraged and moved through Perdekloof, Wildschutsbrand and Shamballah Tea House and Holistic Centre (Shamballah).

The concentration of the troop in this area continued to lead to an increase in human / baboon conflict. GOB7 continued his attempt to gain access to the African Art Studio, Kilfillan Farm and the Koggelfontein skips, often taking other non-raiding individuals with him. After spending seven months with the Waterfall Troop, GOB7 preferred to roost at Wildschutsbrand and raid the surrounding farms.

The five GOB females referred to previously as the GOB individuals, continued to move above and between Misty Cliffs and Scarborough. On 5 May, the females spent the morning foraging at Grootkop, at around lunchtime they turned and moved towards the CoGH. However, GOB7, who was inside the CoGH, leapt over the fence and chased the females back to the sleep site above Misty Cliffs.

The GOB Troop then followed GOB7, up to Baskloof and towards Misty Cliffs. However, the rangers were able to block GOB7 and the rest of the troop above Scarborough and encourage the animals to move back to the CoGH. The five females were left at the Misty Cliffs sleep site.

On 14 May, two of the five GOB females moved back to the GOB Troop. Thus, leaving only three adult females above Misty Cliffs. These three adult females, continued to move around Misty Cliffs, Baskloof and Scarborough for the remainder of the month.

On 21 May, a hotline call was received alerting management to an injured adult male baboon in Scarborough. The Field Manager, Ryan Christie, responded to the call immediately and alerted South West Area Manager, Cath Shutte. The injured male was identified as KOB2, an unhabituated male from the GOB Troop. KOB2 sustained an injury to his front left arm and back left leg. KOB2 was assessed by a veterinarian and was monitored closely over the following week.



Figure 10: KOB2 cleaning the injury to his left arm.

The GOB individuals continued to enter the urban area this month. The most problematic, being the adult females that spent the month moving above and between Misty Cliffs and Scarborough. Due to the steep topography and rocky terrain, it was a difficult line to hold. The individuals also split up and entered the urban area at various locations. The individual females were responsible for three unoccupied and five occupied house raids this month. However, the individuals time out of town has improved, from 72.8% in April 2017 to 83.1% in May 2017.

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: MAY	YEAR: 2017	3	Non malicious damage			6	Raid occupied house or vehicle			9	Nocturnal Raiding																				
BABOON ID	Sex	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	24	25	26	TOTAL	
KOB2	M																													0	
GOB7	M																													0	
Unld Males	F																													0	
MCF7	F																													0	
Unld Females	F		5.5			1				1	1		1		2		1	5		1	1	1	6.6	6	2	6.6	1	1	1	21	
Juveniles																														0	
Troop																														0	
	%	TIME SPENT IN TOWN (Minutes)																										HRS			
Troop	0.0																													0.00	
Individuals	16.9	317			256					227	25		148		84	75	126	155		291	176	64	196	117	144	164	160	191	340	54.27	
Roost:	AM	2.1	2.1	5.1	5.1	6.1	5.1	2.1	2.1	5.1	2.1	6.1	6.1	4.1	6.1	6.1	2.1	2.1	5.1	5.1	6.1	2.1	5.1	6.1	2.1	6.1	5.1	6.1	2.1		
Roost:	PM	2.1	4.1	5.1	6.1	4.1	2.1	2.1	2.1	2.1	6.1	6.1	4.1	6.1	5.1	2.1	2.1	5.1	5.1	6.1	2.1	5.1	6.1	2.1	6.1	5.1	6.1	2.1	2.1		
Roost Sites		1			Misty Cliffs			2			CoGH Reserve			3			Red Hill			4			Shamballah			5			Wildschutsbrand		
		6			Perdekloof			7			CoGH Nursery			8			Misty Cliffs 2			9			Other								
ID Features of Baboons																															
General remarks		Black, bold and <i>italics</i> text indicates raids at SanParks.																													

Figure 11: The GOB Troop raid sheet for May 2017.

2. Slangkop Troop

The Slangkop Troop began to increase its use of the Ocean View Pines Sleep Site this month. This is an expected seasonal shift in behaviour, given that the winter months are approaching. The troop utilised the Compass Cliffs Sleep Site for 69% in April and 54% in May and the Ocean View Pines Sleep Site for 9% in April and 46% in May.

The troop concentrated its foraging efforts to the valley between Ocean View and Kompanjiesfontein, the pines behind Ocean View and the koppies above the Rasta Camp. The troop's movement patterns are still being influenced by water availability, and with a permanent water source available above the Rasta Camp, the troop preferred to forage in that area.

The troop have a prepared route in the morning. First it is off to the cliffs and through the stream valley where the baboons forage on bulbs and tubers. Then the troop makes its way through the upper pines and feeds on pine nuts. Finally, the troop moves to the upper pines behind the Rasta Camp where they spent time foraging on indigenous vegetation and drinking from the natural fresh water pool.



Figure 12: The Slangkop Troop's movement for May 2017.

The Slangkop Troop's time out of town has improved, from 97.3% in April 2017 to 99.5% in May 2017. The troop, as a whole, only entered the urban area on three occasions during May 2017. The Slangkop individuals time out of town has also improved for the month of May. Individuals time out of town increased from 95.2% in April 2017 to 98.6% in May 2017. Only two bin raids were recorded this month,

for individual baboons, no assertive raids were recorded in the Slangkop Troop this month.

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: MAY	YEAR: 2017		3	Non malicious damage				6	Raid occupied house or vehicle				9	Nocturnal Raiding																		
BABOON ID	Sex	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	24	25	26	TOTAL		
SK6 (Sub-adult)	M		2											1					1		1		1		1		1			7		
UnID Males	M		2											1											1		1			4		
UnID Females	F																		1				1		1		1			4		
UnID Juveniles																									1					1		
UnID Individuals													1		1		1													3		
Troop															1									1				1		3		
	%	TIME SPENT IN TOWN (Minutes)																										HRS				
Troop	0.5														15									45					42	1.70		
Individuals	1.4		12										23	41	12		5		5		52		24		47		40			4.35		
Roost:	AM	3	2	3	3	3	2	2	2	2	2	2	2	3	2	3	2	3	3	3	3	3	2	3	3	3	2	3	3			
Roost:	PM	2	3	3	3	2	2	2	2	2	2	2	3	2	3	2	3	3	3	3	3	2	3	3	3	2	3	3	2			
Roost Sites		1	Slangkop				2	Ocean View				3	Compass Bakery				4	Witsand				5	Other									
ID Features of Baboons																																
General remarks		Red, bold and <i>italics</i> text indicates raids at Rogers Farm and the City waste disposal site.																														

Figure 13: The Slangkop Troop raid sheet for May 2017.

Births and Deaths

One birth occurred in the GOB Troop and no deaths were recorded in the south-west section during May 2017.

Recommendations

- The patches of **invasive alien plants** situated above Ocean View and below the Compass Bakery Sleep Site if removed, will improve management of the Slangkop Troop. This issue has been addressed with South African National Parks (SANParks) and is pending.
- All **fruiting trees** or **visible fruit** should be harvested from fruit trees in baboon-affected areas so that this is not an attractant for baboons.
- Increased baboon-proofing of the recycling area at **In2Foods Compass**, including tying up the black bins to prevent them from being tipped over, will assist in baboon management.
- Baboon-proof bins** should be used and **adequate waste management measures** should be implemented by residents in baboon affected areas, to prevent raiding.

Northern Region – Area Manager: Byron Loubser**1. Chrysalis Academy**

HWS undertook environmental education sessions with instructors and students at the Chrysalis Academy (Figure 14). The education sessions' main objective was to mitigate human-baboon conflict on the campus, and to promote living with baboons as a lifestyle choice. These education sessions have proven to be an ongoing success and has mitigated raids at the campus.



Figure 14: Students at Chrysalis enjoying the environmental education workshop facilitated by HWS.

2. Tokai Troop

The Tokai Troop preferred sleep sites situated in the low-lying areas, and roosted at the Tea Garden Sleep Site for most of May 2017. The troop did not roost at the Silvermine Pines Sleep Site this month. The troops' foraging efforts were focused on the low-lying areas around the Porter Estate. The baboons frequented areas close to the SANParks' offices, Chrysalis Academy, the various stable facilities and The Range. Many people were present in these areas, which resulted in high levels of human-baboon conflict. The baboons were attracted to these areas, because HDFs, such as horse feed, was easily accessible. The troop was observed utilising natural forage in the form of grass rhizomes, cones, mushrooms and Mitzeeri trees.

The Tokai Troop moved north to the Buitenverwachting Wine Farm (Buitenverwachting) on a daily basis. The primary attractions to the farm were the raisins remaining on the vines especially in the 'Swart Block' as well as cover crop seeds. Cover crop is planted on the wine farms to enrich the soils and prevent soil erosion.

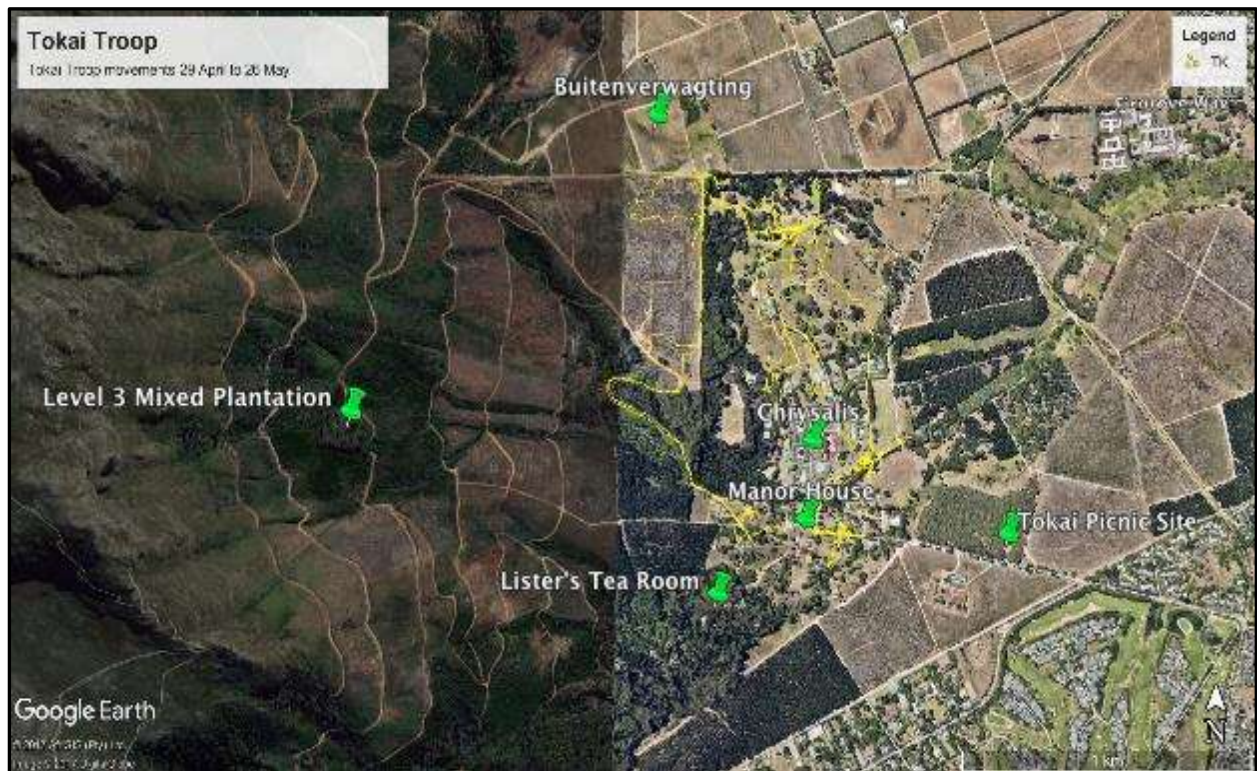


Figure 15: Tokai Troop movement for May 2017.

Buitenverwachting is enclosed by an electrified perimeter fence, aimed at mitigating baboon activities on the farm. However, the baboons still accessed the farm by using overhanging trees and excavations under the fence, created by porcupines and baboons. HWS and Buitenverwachting's rangers worked together to reduce impacts on the farm and to report faults in the fence.

The removal of invasive alien plants in the Tokai Plantation continued this month. HWS and SANParks collaborated to identify critical sites that hinder baboon movements and management. These sites have been prioritised and will be cleared as soon as possible. The removal of invasive alien plants should promote the establishment of fynbos, which should expand foraging opportunities for the baboons.

On 23 May, the Tokai Troop foraged at the dam at Silvermine. The removal of invasive alien plants in some areas has already had a positive impact on baboon movements, promoting movement to the upper reaches of the mountain. The troop was observed foraging on fynbos at Silvermine.

On 7 May, the Tokai Troop displayed unusual behaviour. The troop remained in the trees at the Tea Garden Sleep Site until 11h45. Individuals alarm called intermittently throughout the day. The baboons moved as a cohesive unit once they eventually descended from the trees, and individual animals did not stray from the protection of the troop. Following this behaviour the troop avoided the Tea Garden Sleep Site for four consecutive nights. This behaviour has been observed before, but the cause was not determined. This behaviour could have indicated that a predator was present close to the sleep site.

TK47, an adult male baboon, emigrated from the Tokai Troop to the Zwaanswyk Troop during May 2017. To date, TK47 has continued with assertive raiding behaviour while in 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:		TOKAI		2	Raid bins					5	Raid unoccupied house or vehicle					8	Breaking & Entering/Damaging property													
MONTH: MAY		YEAR: 2017		3	Non malicious damage					6	Raid occupied house or vehicle					9	Nocturnal Raiding													
BABOON ID	Sex	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	24	25	26	TOTAL
MT3 (Pu-B) alpha	M																													
TKF 12 (Blue, Collar)	F																													
Uni ID Males	M			8			8			2, 2						2	2, 2, 7		2, 2				7		6		5			13
Uni SA Male	M															2	2, 2	7	2										5	
Uni Female	F															2	7		2										3	
Uni Individual	F															2													1	
Uni Juve																														
Tokai Troop																														
	%	TIME SPENT IN TOWN (Minutes)																										HRS		
Troop	0,0																												0,00	
Individuals	0,0																												0,00	
Roost:	AM	1	1+6	1	13	1	6	1	1	1	6	6	15	13	1	1	1	6+13	1	1	6	1	6+13	1+13	1	1	7	6	6	
Roost:	PM	1+6	1	13	1	6	1	1	1	6	6	15	13	1	1	1	6+13	1	1	6	1	6+13	1+13	1	1	7	6	6	1	
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	Tokai bridge			
		11	Silvermine pines					12	Level 3 Mixed plant					13	Other					14	Picnic 3					15	Veels-Te-Ver			
ID Features of Baboons																														
General remarks		Bold & <i>italics</i> indicate non-urban raids																												

Figure 16: Tokai Troop raid sheet for May 2017.

The Tokai Troop did not enter the urban space and no urban raids were recorded. However, individual baboons did raid at the non-urban Porter Estate. Most of the raids undertaken during May, can be attributed to unidentified individual males that moved away from the troop to raid in non-urban areas.

On 7 May, a new-born infant was identified in the Tokai Troop and on 18 May, one dead infant was reported.

3. Zwaanswyk Troop

The Zwaanswyk Troop roosted at the Tokai Picnic Site Sleep Sites for most of May 2017. The troop also used sleep sites above Buitenverwachting. The troop followed a similar movement pattern to the Tokai Troop, by utilising the low-lying areas of its home range. Available forage in these areas included grasses, mushrooms, horse feed, raisins and cover crop seeds. On 21 May and 23 May, the baboons foraged on fynbos on the upper elevations of the plantation close to the plateau.

TK28 and TK47's inclination to raid the Zwaanswyk urban area prevented the troop from ascending the mountain and moving over to Silvermine.

The splinter troop formed by TK28, which consists of a fluctuating population comprising three adult females and five juveniles, remained prominent this month. The splinter troop roosted separately from the Zwaanswyk Troop on several occasions. This made daily management of the Zwaanswyk Troop more challenging because ranger teams now had to manage two troops, instead of one.

HWS: TROOP MONTHLY REPORT																																						
SECTOR				CLASSES OF BEHAVIOUR																																		
NORTH				1	In urban area				4	Attacking pets				7	Threatening behaviour/attack/stealing food																							
BABOON TROOP:		ZWAANSWYK		2	Raid bins				5	Raid unoccupied house or vehicle				8	Breaking & Entering/Damaging property																							
MONTH: MAY		YEAR: 2017		3	Non malicious damage				6	Raid occupied house or vehicle				9	Nocturnal Raiding																							
BABOON ID		Sex	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	24	25	26	TOTAL							
MT 5 (Blu-red)		M																2													1							
TK47		M	1, 2			1	6	2, 2		2, 2						1		2	6, 7	2, 6	2	1	7	1		8			2	1	21							
TK 28 (B-G)		M		1	2	1	1			2, 2						2	7			6		6	7	2			2			6	14							
TKF 4 (Orange) collar		F																																				
TKF5 (Green)		F																																				
TKF7 (Red) tag out		F								7																					1							
Uni adult female		F															2			1											2							
Uni adult female		F																																				
Uni Individual																																						
Uni Juvenile																				1											1							
Zwaanswyk Troop														2																	1							
		%	TIME SPENT IN TOWN (Minutes)																								HRS											
Troop		0.0																													0.00							
Individuals		5.1	5	15		7	33	95		95						40	20	60	40	90	140	80		45			30		75	100	16.30							
Roost:	AM	6	13	13	13	5	7	7+8	7	7+8	13	15	15	15	7	7	8	13	13	14	14	14	14	7	1+7	7	7	8	14	1								
Roost:	PM	13	13	13	13	5	7	7+8	7	7+8	13	15	15	15	7	7	8	13	13	14	14	14	7	1+7	7	7	8	14	1	8								
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				13				Other				14				Picnic 3				15		Veels-Te-Ver	
ID Features of Baboons																																						
General remarks			Bold & italics indicate non-urban raids.																																			

Figure 17: Zwaanswyk Troop's raid sheet for May 2017.

The Zwaanswyk Troop (and its splinter troop) continued to transverse north to Buitenverwachting. The troop moved as far north as the staff houses on the farm. Raisins in the 'Swart Block' and cover crop seed attracted the baboons to the farm. The Mountain Troop was regularly observed chasing the Zwaanswyk Troop south and out of the farm.

Raids for the Zwaanswyk Troop were only recorded in the non-urban areas this month. One incident was recorded when the troop raided bins at the staff houses on the Klein Constantia Wine Farm (Klein Constantia).

Individual animals raided in the urban and non-urban space. Most raids undertaken by Zwaanswyk individuals can be ascribed to TK47 and TK28. TK47 undertook 21 raids, which included directly stealing food on two occasions, nine bin raids, two occupied house raids and one incident of breaking and entering (refer to Figure 17). TK28 undertook 14 raids, which included directly stealing food on two occasions, six bin raids and three occupied house raids.



Figure 18: A sand mound along the Zwaanswyk Fence which baboons used to gain access over the fence.

4. Constantia Troop 1 (CT1)

The Constantia Troop 1 (CT1) roosted at the Bike Trails Sleep Site for most of May 2017. The troop foraged mainly on the wine farms or just above their borders. Cover crop seed was the primary attraction to the baboons on the farms. The farmers sowed seeds before winter to enrich the soil and to prevent soil erosion. The troop also spent more time on Buitenverwachting this month, the baboons were observed foraging on seeds on the farm in the Block 8 and Block 10 Vineyards. The troop moved to the low-lying areas of Klein Constantia to obtain seeds that were spread below the middle contours on the farm. The troop was occasionally observed foraging on fynbos on the high-lying areas of Langboskloof, Donkerboskloof and Level 5 Road.

The troop spent most of its time close to Buitenverwachting and Klein Constantia. Only four nights were spent north on Groot Constantia, which resulted in few baboons in the urban space and no raids. It remained challenging for the HWS' rangers to hold effective lines on the urban edge at Price Drive, due to the dense invasive alien plants that hamper sight lines and movement. HWS and SANParks continued to collaborate to identify critical sites that hamper baboon management so that these sites can be cleared as soon as possible.

HWS' rangers and wine farm rangers collaborated to manage baboons on the farms. The rangers maintained the buffer zone to the urban space and reduced the amount of time the troops spent on the farms.

HWS: TROOP MONTHLY REPORT																															
SECTOR		CLASSES OF BEHAVIOUR																													
NORTH		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: MAY	YEAR: 2017	3	Non malicious damage	6	Raid occupied house or vehicle	9	Nocturnal Raiding																								
BABOON ID	Sex	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	24	25	26	TOTAL	
CON6 (O) Collar	M		1																											1	
CON 11 (Y-Y)	M		1																			1								2	
CON 13 (W-W)	M																														
MT1 (G)	M	1																												1	
Uni SA Male	M																														
Un id Adult Male	M																														
Un id female	F																														
Uni juve	M		1																											1	
Uni Female	F		1																											1	
Uni Individual																															
THE TROOP																															
	%	TIME SPENT IN TOWN (Minutes)																												HRS	
Troop	0.0																													0.00	
Individuals	0.5	10	81																			5								1.60	
Roost:	AM	8	8	8	8	3	3	3	6	3	6	3	3	6	6	6	3	1	3	3	1+3	1	1	3	3	3	3	3	3		
Roost:	PM	8	8	8	3	3	3	6	3	6	3	3	6	6	6	3	1	3	3	1+3	1	1	3	3	3	3	3	3	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		Dumping site				10		Other			
ID Features of Baboons																															
General remarks																															

Figure 19: CT1 raid sheet for May 2017.

CON11, a young adult male baboon, spent most of its time away from the troop. CON11 was observed foraging alone on Klein Constantia. CON11 attempted to go back to CT1 on several occasions, but CON13, an adult male baboon, chased CON11 away from the troop. CON11 seems to be in the early stages of dispersal. Dispersal occurs when male baboons reach early adulthood, and they leave their natal troop to find another troop to join.

4. Constantia Troop 2 (CT2)

The Constantia Troop 2 (CT2) roosted at the Buitenverwachting Gums for most of May 2017. The troop foraged primarily on Buitenverwachting and Veels-Te-Ver, or just above the farms borders. The troop continued to spend time close to the private houses on Buitenverwachting.



Figure 20: CON2 surveying the Buitenverwachting Wine Farm.

Observations and reports from rangers indicate that the troop spent more time on Klein Constantia, moving to low-lying areas, close to the pig pens and private houses situated at the farm entrance. HWS and wine farm rangers worked together to mitigate impacts on the farm and to prevent the troop from entering the urban space.

The sowing of cover crop seed also attracted CT2 to Buitenverwachting. The baboons were observed foraging on seeds in the Block 8 and the Block 10 Vineyards.

No time in town or urban raids were recorded for CT2 this month.

5. Mountain Troop:

The Mountain Troop roosted at the Veels-Te-Ver Sleep Site for most of May 2017. The troop followed a similar movement pattern to last month, spending a lot of time on Buitenverwachting and in the national park adjacent to the farm.

The troop was observed foraging on raisins and cover crop seed during the day when it was on the farm. The troop continued to spend time close to the private houses on Buitenverwachting and as a result, an altercation took place between an unidentified baboon and a ridgeback dog. The dog sustained minor injuries and is expected to make a full recovery. The baboons were also reported low down on Klein Constantia, close to the private houses. HWS and wine farm rangers collaborated to mitigate future raids.

The Mountain Troop was on several occasions, observed close to the Tokai and the Zwaanswyk Troops. Intertroop aggression continued this month and the troop regularly pushed the Tokai and the Zwaanswyk Troops out of Buitenverwachting, defending its territory.

In addition to this activity, an untagged adult male emigrated from the Mountain Troop to CT2 this month.

No time in town or urban raids were recorded for the troop. The troop was seen close to the staff village on Buitenverwachting, attracted mainly by fruiting trees. TK36 was present at the staff village on several occasions, but no raiding incidents were reported.

Births and Deaths

On 29 April, one infant was recorded in CT1 and one new-born was identified in the Tokai Troop on 7 May.

On 8 May, a dead infant was reported in CT1, the cause of death is unknown. On 15 May, a dead juvenile was reported in CT1, the cause of death is unknown. A dead infant was reported in the Tokai Troop on 18 May, the cause of death was also unknown. These unknown deaths are suspected to be infanticide however this cannot be confirmed as the incidents were not observed.

Recommendations

- An upgrade and regular maintenance of the **electrified perimeter fence** at the **Tokai Picnic Site** should limit baboon raids on picnickers.
- Practical recommendations made by HWS for **baboon-proofing** to limit baboon incursions and raids at the **Cape Academy** should be implemented.
- **Maintenance and upgrades** to **electrified perimeter fences** on relevant **wine estates** should reduce baboon-related incidents. Trimming or removal of overhanging trees and closing of excavations should limit baboon access to the farms.
- **Baboon attractants** at private and staff houses on relevant **wine estates** should be removed or baboon-proofed. This action should reduce baboon activities in these areas.
- In order to reduce **baboon-dog altercations**, it is suggested that owners of dogs who live on properties on the above-mentioned wine farms, enclose their properties with a perimeter fence. This should prevent dogs from leaving the property to chase baboons and should mitigate baboon-dog altercations.

C. GENERAL COMMENTS ON ALL BABOON TROOPS**Population Data**

This month, there were three births and four deaths in the managed population. The managed population has therefore decreased by one, taking the total down to 419 individuals. The southern population has remained stable while and the northern population has increased.

TROOP	Total December Populations					MAY 2017			Total Births 2017	Total Deaths 2017	Emigration/ Immigration 2017	TOTAL CURRENT POPULATION
	2012	2013	2014	2015	2016	Births	Deaths	Emigration / Immigration				
Da Gama Troop	54	45	43	49	55	0	1		2	4	0	53
Smitswinkel Bay	23	21	22	23	33	0	0		0	1	+1	33
Waterfall	28	30	30	32	37	0	0		2	1	-1	37
Groot Olifantsbos	19	13	17	16	22	1	0		1	2	+1	22
Misty Cliffs	18	16	14	11	0	0	0		0	0	0	0
Slangkop	33	32	36	41	40	0	0		2	3	0	39
SUB TOTAL	175	157	162	172	187	1	1		7	11	+1	184
Zwaanswyk	25	26	28	30	29	0	0	+1 (TK47)	0	1	+2	30
Tokai	61	65	72	62	67	1	1	-1 (TK47)	7	6	-2	66
Mountain	33	44	48	49	52	0	0	-1 (untagged)	5	3	1	55
Constantia 1 & 2	60	63	70	77	84	1	2	+1 (untagged)	9	7	-2	84
SUB TOTAL	179	198	218	218	232	2	3		21	17	-1	235
TOTAL	354	355	380	390	419	3	4		28	28		419

Table 1: Population data for the eleven managed troops on the Cape Peninsula (May 2017).

One death was a result of infanticide by the male DG14, who had been challenging DG15 in the Da Gama Troop for alpha male status. The other three deaths were juveniles, who died of unknown causes. In all three of these cases, no visible injuries or wounds could be seen on the carcasses.

Deaths	2012*	2013	2014	2015	2016	MAY 2017	2017 to Date	TOTAL
Management	17	16	8	7	7	0	5	60
Human Induced (HID)	8	7	10	24	7	0	4	60
Direct **	8	6	6	8	4	0	1	32
Indirect ***	0	1	4	16	3	0	3	24
Natural	7	30	19	20	16	1	12	104
Unknown	1	3	0	4	7	3	7	22
TOTAL	33	56	37	55	37	4	28	246

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

This month there were 170 raid related calls in managed areas. This is a decrease of 19 calls from last month. The most noticeable decrease being from the Scarborough and Kommetjie areas. SWB10 and CON10 frequently raided the Murdock Valley area this month. There were 34 calls from Murdock Valley, so a separate column for Murdock Valley has been added to the Hotline Data figure (Figure 21).

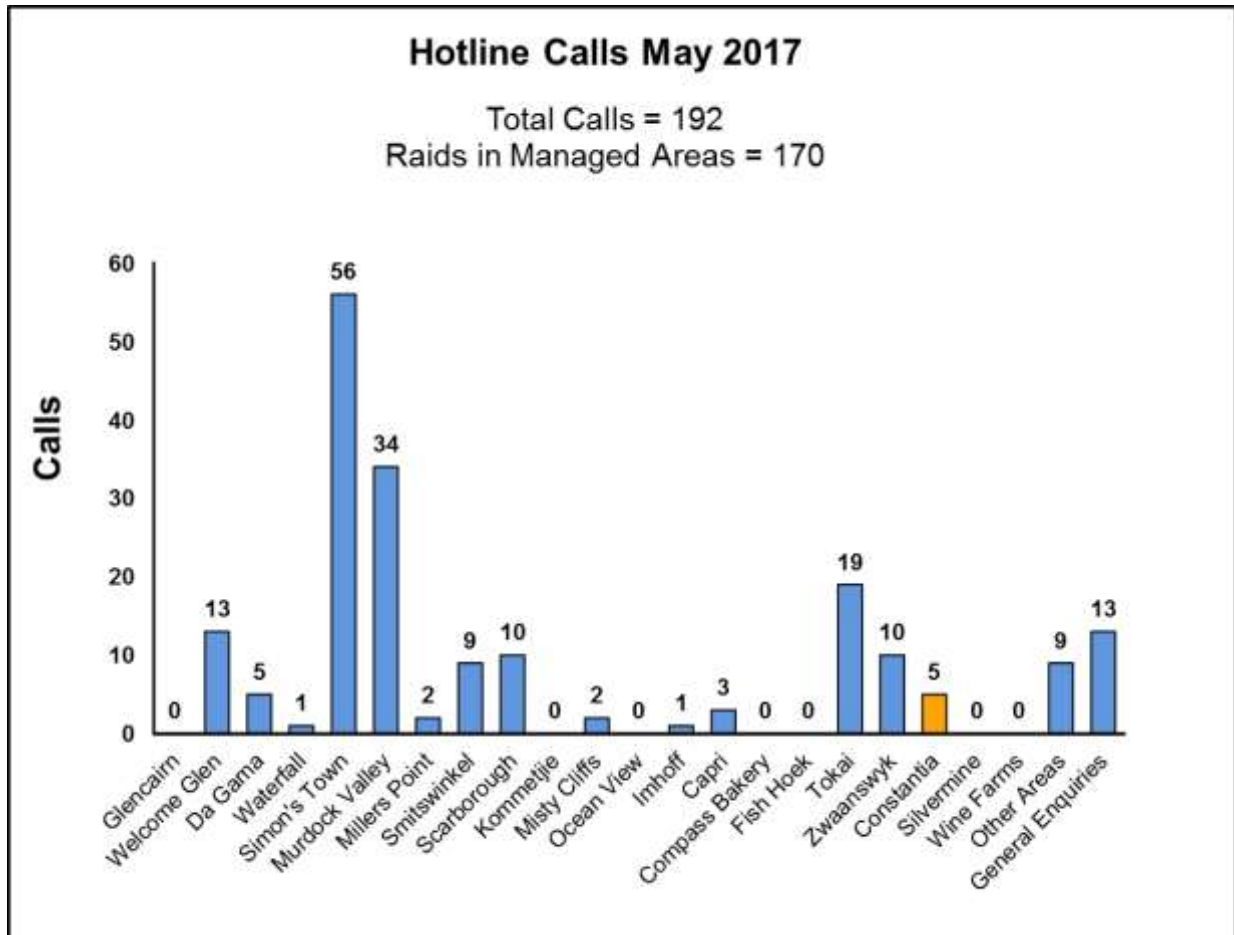


Figure 21: Hotline calls summary per urban area for May 2017.

It is pleasing to note that the vast majority of raid related hotline calls (92%) were just reporting the presence of baboons in the urban area. Of the remaining raids, only 3% were assertive raids and 5% were bin raids. There has been a significant decrease in assertive raids from an average of 12% per month from February to March, to only 3% of the raid related calls this month.

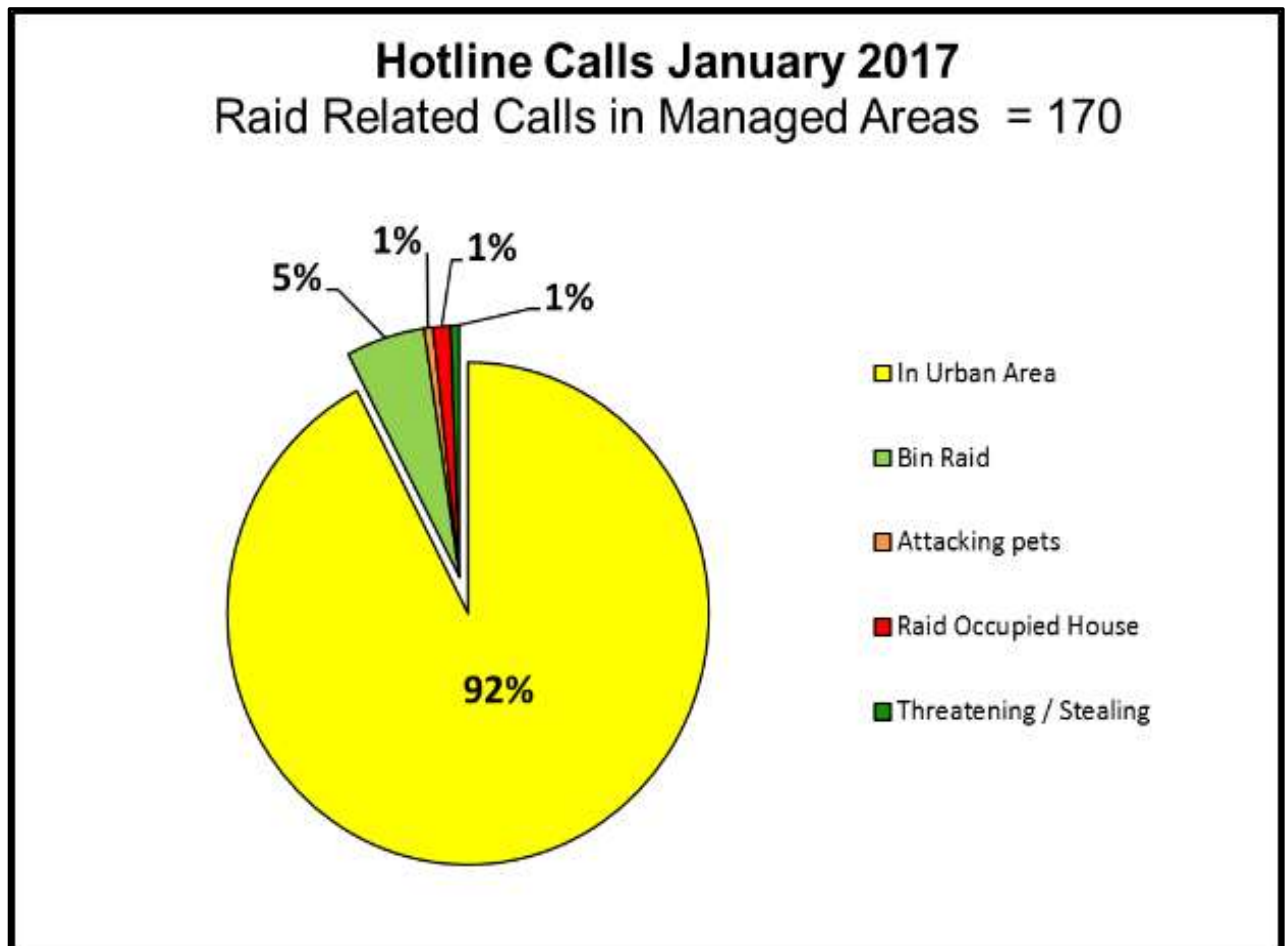


Figure 22: Composition of raid-related hotline calls during May 2017.

Percentage Time Out of Town

The percentage time the troops spent out of town increased this month from last month. This month the troops spent 99.6% and individuals 93.9% of their time out of the urban area. This is a surprisingly high percentage for early winter. However, the raiding behaviour of individual animals continued to be a problem, particularly in the Da Gama, Waterfall, GOB and, most recently, the Smits Troops.

The Smitswinkel individuals spent an unusually high percentage of time in town this month (12.5%). This was largely because of the turmoil within the troop, which has led to CON10 and SWB10 moving away from the troop on numerous occasions and entering the urban area to raid alone.

The Waterfall Troop spent most of its time at the Waterfall Sleep Site this month. The poor waste management at Happy Valley Home and the Waterfall Barracks continues to act as a strong incentive for the baboons to enter the urban area to raid.

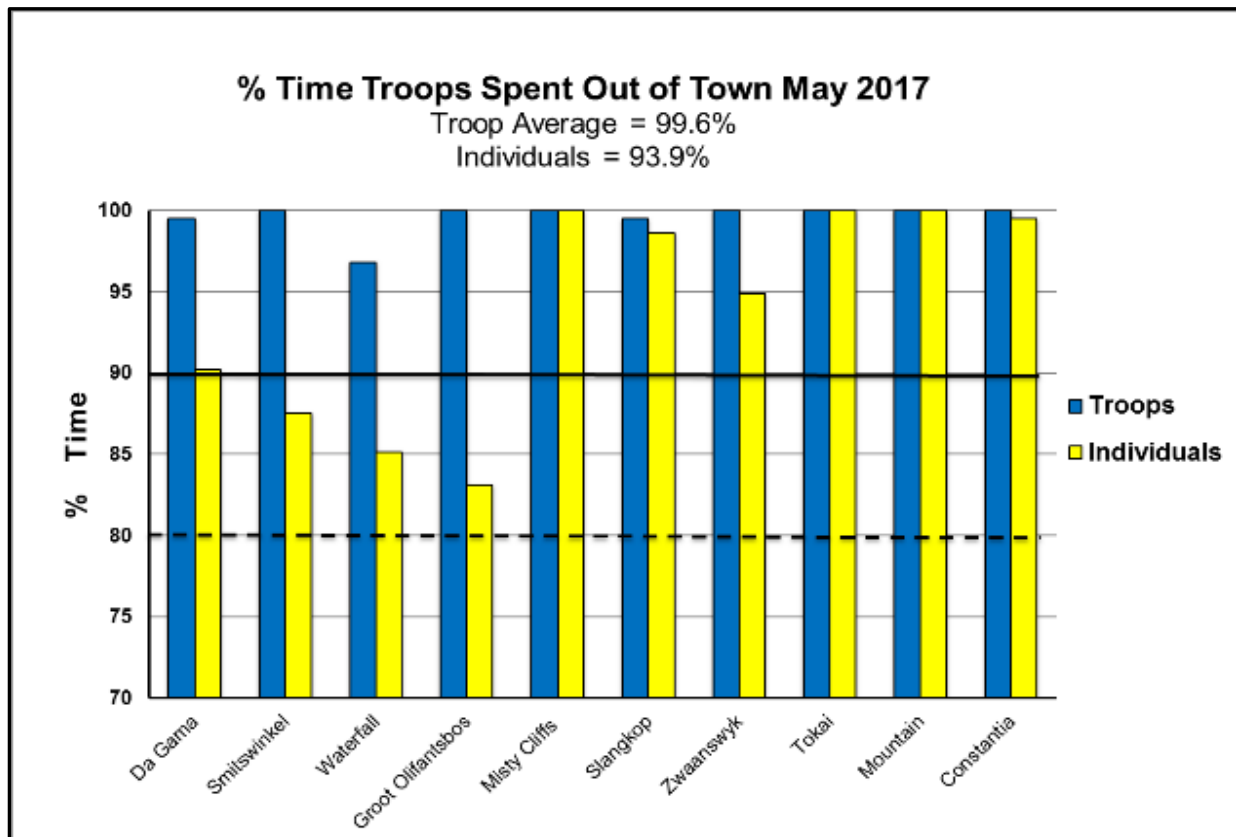


Figure 23: Percentage time troops spent out of town (May 2017). The solid line indicates the City of Cape Town's 2014 contract requirement and the broken line indicates the 2012 contract requirement.

Conclusion

Despite the onset of winter, there were very few troop raids and the out of town percentage for troops was a high 99.6%. The Waterfall Troop was the only troop that spent less than 99% of time out of town. Nevertheless, the baboon troops were clearly coming lower down the mountain this month and individuals were attempting to raid town more often than in previous months.

Raiding parties and a splinter troop from the Waterfall Troop, hampered management as they were invariably predisposed towards raiding. Increased manpower was often needed on the urban edge to prevent incursions by these individuals. During the winter months it is generally more difficult to get troops, such as Waterfall and Da Gama, to sleep out of town, because sleep sites in or around the urban edge tend to provide more shelter from the elements.

The effects of the fires in January 2016 and 2017, and the severe drought have become evident. Regrowth has been slow in the troops home ranges, so the food supply has been limited. This means that the baboons needed to travel further to find forage or alternatively, they pushed harder to get to town. The clearing of invasive alien vegetation has brought some relief for the northern troops as they now can move through the cleared areas toward the upper reaches of the mountain.

Dr Phil Richardson

HUMAN WILDLIFE SOLUTIONS