



Human Wildlife Solutions

Monthly Report

JULY 2018

TABLE OF CONTENTS:

A. INTRODUCTION	3
B. BABOON MANAGEMENT AND RAID REPORTING	3
SOUTH EASTERN REGION – AREA MANAGER: ZIGGY RODE / CATH SHUTTE	3
1. SMITSWINKEL BAY TROOP	3
2. WATERFALL TROOP	4
3. DA GAMA TROOP	7
SOUTH EAST REGIONAL SUMMARY:	9
Births and Deaths	9
Recommendations.....	9
SOUTH WESTERN REGION – AREA MANAGER: CATH SHUTTE.....	10
1. GROOT OLIFANTSBOS TROOP (GOB)	10
2. THE SLANGKOP TROOP	11
SOUTH WEST REGIONAL SUMMARY:	15
Births and Deaths	15
Recommendations.....	15
NORTHERN REGION – AREA MANAGER: STEPhANUS FERREIRA	15
1. Tokai Troop	15
2. ZWAANSWYK TROOP	17
3. CONSTANTIA TROOP 1 (CT1)	18
4. CONSTANTIA TROOP 2 (CT2)	19
5. MOUNTAIN TROOP	20
NORTH REGIONAL SUMMARY:	21
Births and Deaths	21
Unaccounted for Tagged or Collared Baboons.....	21
Recommendations.....	21
C. GENERAL COMMENTS ON ALL BABOON TROOPS	22
1. Population Data	22
2. Hotline Data	23
3. Percentage Time Out of Town	25
D. CONCLUSION	26

A. INTRODUCTION

This monthly report covers the period from 23 June to 27 July 2018. After two months of bountiful rain, the vegetation has started recovering in most areas, except on Bonteberg, immediately south of Scarborough, where the vegetation is still very sparse. This is as a result of the March 2018 SANAD fire. Increased forage availability could be one of the factors that led to most troops spending 100% of their time out of town. The only troop that spent some time in town was the Da Gama Troop, and they were out of town for 99.6% of the time.

The annual report for the period July 2017 to June 2018, and the annual count for the same period, have just been published. In the past the annual population counts for the Peninsula baboons have been conducted on a calendar year basis. However, this year the counts and the reports have been re-aligned to correspond to the baboon management tender, which follows the City of Cape Town's financial year, from July to June.

The most notable feature of the latest reports and counts is that, for the first time since HWS began managing the Cape Town baboons in 2012, the population of the northern troops' sub population declined, and by an estimated 30 baboons. There is no obvious explanation for this decline.

B. BABOON MANAGEMENT AND RAID REPORTING

SOUTH EASTERN REGION – AREA MANAGER: ZIGGY RODE / CATH SHUTTE

1. SMITSWINKEL BAY TROOP

In Town Statistics

- The Smitswinkel Troop spent 100% of its time out of the urban area this month.
- Individuals spent 98,8% of time out of the urban area this month.
- The troop utilised both northern (17 nights) and southern (18 nights) sleep sites this month.

SECTOR		CLASSES OF BEHAVIOUR																																			
SOUTH EAST		1	In urban area					4	Attacking pets					7	Threatening behaviour/attack/stealing food																						
BABOON TROOP:	SMITS	2	Raid bins					5	Raid unoccupied house or vehicle					8	Breaking & Entering/Damaging property																						
MONTH: JULY	YEAR: 2018	3	Non malicious damage					6	Raid occupied house or vehicle					9	Nocturnal Raiding																						
BABOON ID	Sex	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	TOTAL
SWB6	M																																				0
SWB10	M																																				0
SWB11	M	2,5,7																																			3
UnID Males	M																																				0
UnID Females	F																																				0
UnID Juveniles																																					0
UnID Individuals																																					0
Troop																																					0
	%	TIME SPENT IN TOWN (Minutes)																											HRS								
Troop	0.0																																			0.00	
Individuals	1.2	240																																		4.00	
Roost:	AM	4	5	4	1	1	3	4	5	5	5	4	6	6	3	6	4	1	4	4	2	6	4	2	1	1	4	1	4	5	3	1	1	6	1	5	
Roost:	PM	5	4	1	1	1	4	5	5	5	4	6	6	2	5	4	1	4	4	2	6	4	4	1	1	6	1	4	5	4	1	1	6	1	5	6	
Roost Sites		1	Smits Caves					2	Partridge Point					3	Bluegums					4	Millers Point					5	Rocklands Farm										
		6	Castle Rock					7	SANParks					8	Other/Unknown					9						10											
ID Features of Baboons																																					
General remarks		Black, bold and italics text indicates raids at SANParks. Red Italics and bold indicate raids on the farms.																																			

Figure 1: Smitswinkel Bay Troop raid sheet for July 2018.

Incidents

Troop Movement

- The Smitswinkel Troop predominantly moved along the upper reaches of the Swartkop Mountain range this month.
- However, when the troop moved to the lower reaches, the baboons would move to the coastline to forage in the intertidal zone before it moved back up the mountain.

Births and Deaths

No births or deaths were recorded in the Smitswinkel Troop this month.

2. WATERFALL TROOP

In Town Statistics

- The Waterfall Troop spent 100% of its time out of the urban area this month.
- Individuals time out of town increased this month from 95,4% in June to 97,9% in July 2018.
- Raids on City of Cape Town land continued to decrease this month and accounted for 22% of total raids. The remaining 78% of raids, took place on SA Navy properties.
- The Waterfall Troop predominantly slept at the SANAD Sleep Site this month (69%). The remainder was spent between the Waterfall Cliffs and Happy Valley Sleep Sites.

Incidents

SWB11

- SWB11, a dispersing adult male, from the Smitswinkel Troop, attempted to join the Waterfall Troop this month.
- On 24 June, CON4, the alpha male of the Waterfall Troop, chased SWB11 away from the troop throughout the day. However, SWB11 continued to follow the troop from a distance and slept in close proximity to the troop that night.
- CON4 and WF5 continued to chase and fight with SWB11 over the following days. However, on 27 June, SWB11 moved with the troop and CON4 seemed to have accepted the new male.
- On 11 July, CON4 and WF5 fought with SWB11 once again. The fight was severe and SWB11 sustained multiple injuries.
- The body of SWB11 was found shortly afterwards on the mountain. The male had sustained severe injuries during the fight from which, it seems, he did not recover.

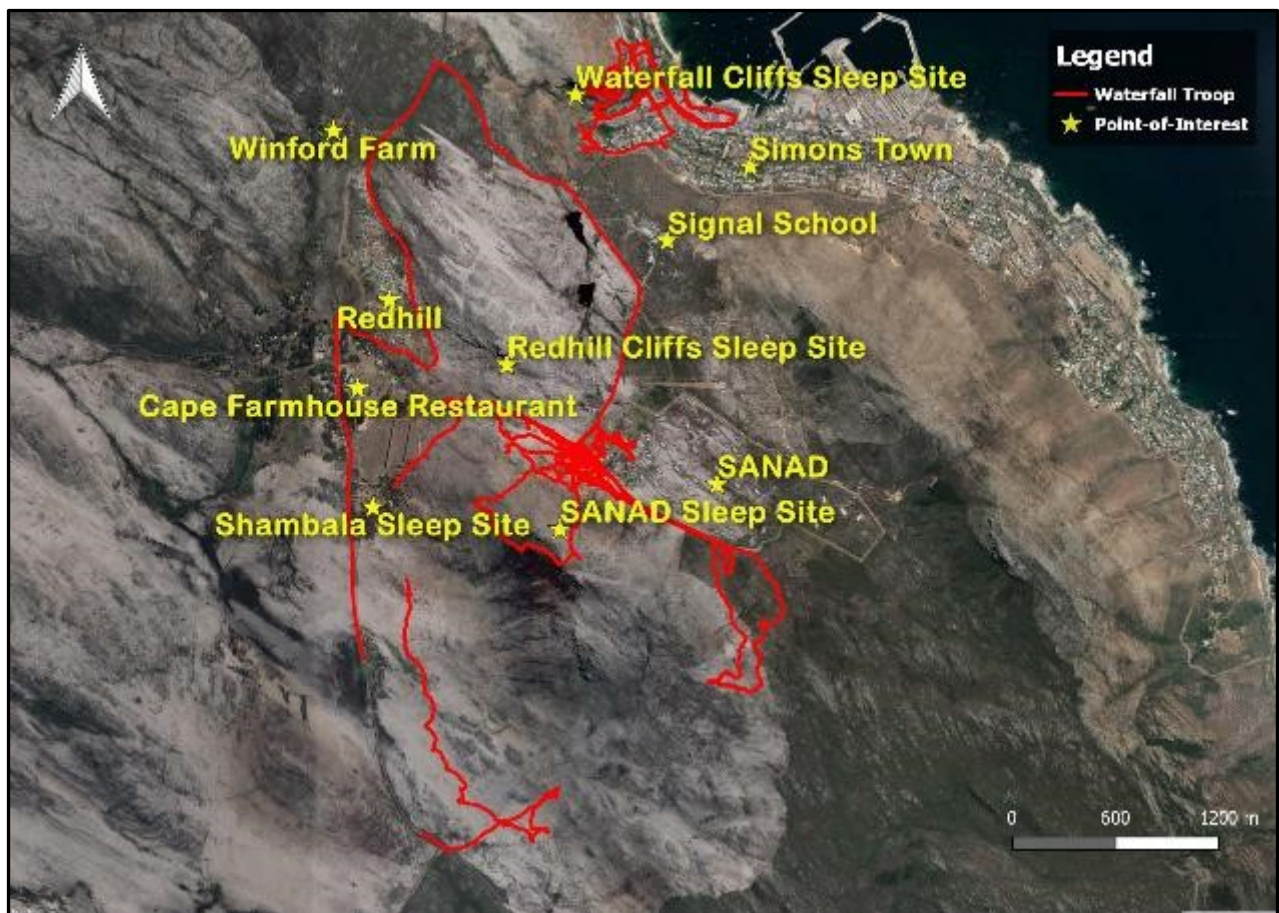


Figure 2: The Waterfall Troop's movement for July 2018.

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: JULY	YEAR: 2018	3	Non malicious damage	6	Raid occupied house or vehicle	9	Nocturnal Raiding																														
BABOON ID	Sex	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	TOTAL
CON4	M							2																										2	2	2	4
WF5	M	1,2	1								1,2,5		2,5			1				2							2	2,7					2	2	2	2	17
SWB11	M		1.5								1,2,5		2,5	2																						8	
UnID Males	M						5				1,2,5					1,2,2,2																			2	10	
UnID Females	F										1,2,5					1,2,2,2				2													2			10	
UnID Juveniles																1,2,2,2																	2	2		7	
UnId Individuals			2								2,2	2		2	2,5					2																8	
Troop																																					0
	%	TIME SPENT IN TOWN (Minutes)																																	HRS		
Troop	0.0																																			0.00	
Individuals	2.1	120	140									45	20		15		60																			6.67	
Roost:	AM	1	2,9	2	10	10	10	10	10	1	1	1	1	1	15	1	2	1	10,9	10,9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
Roost:	PM	2,9	2	10	10	10	10	10	10	1	1	1	1	1	15	1	2	1	10	10,9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
Roost Sites	1 Waterfall Cliff			2 Happy Valley Mtn			3 Signal School			4 Admiral Footpath			5 Red Hill																								
	6 Mountain CoGHN			7 Gate 3 - Plateau Road			8 Shamballah Pines			9 North Peak			10 SANAD																								
	11 Bungalow			12 Murdock Valley Cliffs			13 Rocklands Valley			14 Other			15 Quarry																								
ID Features of Baboons																																					
General remarks		Red, Bold and Italics indicates raiding inside the South African Naval Ammunition Depot (SANAD) and Signal School. Black, Italics indicates raiding on farms.																																			

Figure 3: The Waterfall Troop raid sheet for July 2018.

The South African Navy: Simon's Town

- The majority of raids took place on Navy land this month. With an absence of effective baboon-proofing in place, facilities belonging to the South African Navy continue to be a constant source of attractants for baboons.
- The bins at the South Africa Naval Armament Depot (SANAD) are not baboon-proofed and many are broken.
- The bin room and bins at Signal School are also not baboon-proofed. Baboons are able to enter and gain access to waste stored in these ineffective bins.
- The residents at the Waterfall Barracks continue to leave windows open. This creates the opportunity for the baboons to enter the apartments to raid.



Figure 4 (a) and (b): the open bins and bin area at Signal School.

Births and Deaths

- One death occurred in the Waterfall Troop this month. SWB11 was found dead on 11 July, after sustaining severe baboon-on-baboon injuries.

3. DA GAMA TROOP

In Town Statistics

- Time out of town for the troop was 99.6%.
- The troop spent only five nights out of town, sleeping at Grootkop, Winford Farm, Kleinplaas Dam and Maylands sleep site. This was very encouraging because the troop had not utilised these sleep sites since November 2017.
- Individuals' time out of town increased from 90.3% in June to 98.8% in July 2018. This can be attributed

to reduced fighting amongst the adult males, however, a group (3-5 individuals) of low ranking females still regularly broke the line to enter town.



Figure 5: The Da Gama Troop's movement July 2018.

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: July	YEAR: 2018	3	Non malicious damage														6	Raid occupied house or vehicle										9	Nocturnal Raiding																							
BABOON ID	Sex	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	TOTAL															
Troop							1														1								1								3															
DG14 (O-G)	M								6					1		6									1							6					6															
DG18	M						1		1			1	2	1		1					1			1								1					9															
DGF1	F																							1													1															
DGF2	F																																				0															
UnID Females	F						1		1			1	2	1		1					1		1	1					1		1		1				12															
UnID Female	F																	1															6	1			3															
UnID Individuals																																					0															
UnID Juvs																																					0															
	%	TIME SPENT IN TOWN (Minutes)																													HRS																					
Troop	0.4						10														55								13							1.30																
Individuals	10.3						35		135			205	287	227		155		15			100		91	25					55		365	270	20			33.08																
Roost:	AM	1,2	19	19	3	1,2	3	2	2	2	2	2.1	1	1.2	1,2	1,3	1,2	17	19	20	4	2	1,2	1,3	9	9	17	24	3	2	2	1,2	2	2	2	3																
Roost:	PM	19	19	3	1,2	3	19	2	2	2	2	1	1.2	2	1,3	1,2	17	19	20	4	2	2	1,3	9	9	17	24	3	2	2	2	2	2	2	2	1,2																
Roost Sites			1					Flats					2					Pines - Flats Da Gama					3					Pines - DG 2nd ave, 9th, 16th					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					Elsies River Valley					19					Red Hill / Windford					20					Grootkop				
			21					16th Avenue, DG					22					Lewis Gay Dam					23					Pinehaven					24					Kleinplaas Dam					25					Scarborough				
ID Features of Baboons																																																				
General remarks																																																				

Figure 6: The Da Gama Troop raid sheet for July 2018.

Incidents

- There were still three to five adult females displayed unusual behaviour by staying on top of the roof of the flats after the troop had already left the sleep site.
- These females always came down from the flats and attempted to enter the urban area, the rangers had to spend considerable time with the females to get them back to the troop.
- The new growth of vegetation in the previously burnt areas, has provided forage for the troop.

Births and Deaths

No births occurred in the Da Gama Troop this month. On 24 June, 1 July & 2 July, three infants were killed by DG18.

SOUTH EAST REGIONAL SUMMARY:**Births and Deaths**

- **Smitswinkel Troop:** No births or deaths recorded.
- **Waterfall Troop:** No births recorded. SWB11 was found dead on 11 July after sustaining severe baboon-on-baboon injuries.
- **Da Gama Troop:** No births. Three infanticides by DG18, occurred on 24 June, 1 July & 2 July.

Recommendations

- The Navy does not assign personnel to pull out the **baboon-proof bins from the bin-bays**. Waste collection trucks do not take the **bins out of the bin bay**. This impasse needs to be addressed by the City Waste teams and the SA Navy management because it is impacting on baboon management.
- **Baboon-proof bins** are needed at the **West Yard** at the **Navy docks** to prevent baboon raids. The **cafeteria** at the **West Yard** also needs to be **baboon-proofed**.
- All vegetable gardens should be baboon-proofed, and residents should refrain from planting and nurturing 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 **keep their doors and windows closed** and their food out of the sight of baboons, when they are not there to prevent raids.
- Law enforcement is urgently needed in the South East to prevent the illegal use paintball markers and pellet guns by residents, who use these to deter baboons.
- **Poor waste management** at the South African Naval Armament Depot (**SANAD**) and the **Waterfall Barracks** needs to be addressed. If waste management is improved, baboons will not be able gain access to food so easily and fewer baboon incidences will be recorded.
- A **solution** for the '**What's Ya Flava**' café in Simon's Town needs to be found, to prevent baboons from

raiding the shop, but still making it easily accessible for customers.

- The **use of clear recycling bags** in baboon-affected areas **should be re-evaluated** as this remains an attractant for baboons.
- **Waste and recycling collection** should be **prioritised and collected early in baboon-affected areas** to avoid becoming an attractant to baboons.

SOUTH WESTERN REGION – AREA MANAGER: CATH SHUTTE

1. GROOT OLIFANTSBOS TROOP (GOB)

In Town Statistics

- The GOB Troop spent the majority (91%) of the month within the Cape of Good Hope (CoGH) section of the Table Mountain National Park (TMNP).
- While outside the CoGH, the troop slept in the pines at Shamballah Holistic Centre (9%).
- The three GOB females (also referred to as the GOB individuals) and their three juveniles, roosted at the Misty Cliffs Sleep Site for the entire month.
- These Individuals spent 69,3% of their time out of the urban area this month.

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: JULY	YEAR: 2018	3	Non malicious damage												6	Raid occupied house or vehicle												9	Nocturnal Raiding																						
BABOON ID	Sex	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	TOTAL														
GOB7	M																																				0														
Females	F	1	1.2		1	1		1	1	1	1	1			1	1		1,6,7	1	1	1.6	1	1	1	1	1	1	1	1	1	1	1.2	1.2	1	1,2,2	38															
Unld Individuals									2						2																						2														
Juveniles																																					0														
Troop																																					0														
	%	TIME SPENT IN TOWN (Minutes)																																HRS																	
Troop	0.0																																			0.00															
Individuals	30.7	360	280		340	330		140	60	10	120	125			90	315		284	90	345	285	150	120	115	385	85	205	270	220	265	165	60	70	260	30	350	98.73														
Roost:	AM	5.1	5.1	6.1	2.1	2.1	5.1	2.1	5.1	5.1	2.1	2.1	2.1	2.1	5.1	2.1	2.1	2.1	2.1	5.1	6.1	4.1	4.1	2.1	2.1	2.1	4.1	5.1	2.1	2.1	2.1	2.1	5.1	2.1	2.1																
Roost:	PM	5.1	6.1	2.1	2.1	5.1	2.1	4.1	5.1	2.1	2.1	2.1	2.1	2.1	5.1	2.1	2.1	2.1	2.1	5.1	6.1	4.1	5.1	2.1	2.1	2.1	4.1	5.1	2.1	2.1	2.1	2.1	5.1	2.1	2.1																
Roost Sites		1	Misty Cliffs 1									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 italics text indicates raids at SANParks.																																																	

Figure 7: GOB Troop raid sheet for July 2018.

Incidents

Point Source attractants

- On 19 July, an open bakkie was parked on Old Camp Road in Misty Cliffs with a variety of food stuffs on the back.
- This created a point source food attractant for the females and it was very difficult for the HWS rangers to keep them out of the village on this day.
- The bakkie was still parked there to following day, but was cleaned by late afternoon on 20 July.



Figure 8: The open bakkie parked on Old Camp Road in Misty Cliffs.

Births and Deaths

- No births or deaths were reported in the GOB Troop this month.

2. THE SLANGKOP TROOP

In Town Statistics

- The troop spent 100%% of time out of the urban area for the month of July.
- Individuals spent 90,6% of time out of the urban area for the month of July.
- The troop slept in the pines trees behind Ocean View for 54% of the month and the Compass Cliffs Sleep Site for 46% of the month.



Figure 9: The Slangkop Troop's movement July 2018.

Incidents

Fruit Trees

- Individual baboons continued to be attracted to the many fruit trees in Ocean View this month.
- The main areas for concern are Cheetah Road, Comet Road, Laguma Street and Alcor Avenue.

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: JULY	YEAR: 2018	3	Non malicious damage										6	Raid occupied house or vehicle										9	Nocturnal Raiding												
BABOON ID	Sex	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	TOTAL
SK6 (Sub-adult)	M	1		1			2	1	2	1	2	2	1	1,2				2			1				1		1		1		1	1					18
UnID Males	M				1,2						2	2	1	2				2		2,2				1	2		1	1	2,6		1		1			1	18
UnID Females	F	1			2		2	2	2	1	2	2		2				2	1	2	1			1	1			1			1		1				18
UnID Juveniles								2	2											2					1						1	1					6
UnID Individuals		1	2		2												1	1		2									1						1,6,6,2		11
Troop																																					0
	%	TIME SPENT IN TOWN (Minutes)																											HRS								
Troop	0.0																																			0.00	
Individuals	9.4	125	100	12	170		140	120	60	68	60	80	10	135			80	95	10	70	20			5	40		15	20	180		75	15	30		60	15	30.17
Roost:	AM	2	2	3	2	2	2	3	2	3	3	3	2	2	3	2	2	3	3	2	3	2	2	2	3	3	3	2	3	2	2	3	2	2	3	3	
Roost:	PM	2	3	2	2	2	3	2	3	3	3	2	2	3	2	2	3	3	2	3	2	2	2	3	3	3	2	3	2	2	3	2	2	3	3	2	
Roost Sites		1 Slangkop					2 Ocean View					3 Compass balery					4 Witsand					5 Other															
ID Features of Baboons																																					
General remarks		Red, bold and italics text indicates raids at Rogers Farm and the City's waste disposal site.																																			

Figure 10: The Slangkop Troop's raid sheet for July 2018.

Ocean View

- On 27 June, a hotline call was received alerting HWS to youths chasing the Slangkop Troop with pitbull dogs.
- Upon arrival to the Ocean View Pines Sleep Site, HWS staff met with an Ocean View resident who explained that there had been a dog fight under the pines, in the late afternoon, involving 4 pit bulls attacking another pit bull.
- Residents were concerned for the safety of the baboons, given the history of baboon and dog conflict on the outskirts of Ocean View.
- However, the troop was not in the area at the time of the dog fight and only made its way to the sleep site once the situation had died down.
- HWS is very thankful for the dedicated Ocean View resident who remained with the HWS staff that evening.

In2Foods

- After the construction of a second baboon-proof cage for waste storage, it is disappointing to note that waste management at In2Foods has deteriorated.
- Baboons gained access to non-baboon-proof bins, the waste disposal unit as well as the factory this month.
- A request has been made to the factory to apply for baboon-proof bins.



Figure 11: The waste area at In2Foods bakery on Kommetjie Road.

Bongelethu School, Sunnydale

- Numerous visits by HWS and meetings with the staff of Bongelethu School resulted in the school applying for and receiving two baboon-proof bins.
- However, the waste management of the school has also deteriorated over the last month.

The bins were seen outside, overflowing with waste, filled over capacity resulting in the locking mechanism becoming useless.



Figure 12: Bins filled over capacity outside Bongeletu School in Sunnydale.

Sunhill Estate, Sunnydale

- Sunhill Estate place their bins outside the estate on bin day. However, many of the bins are broken and not baboon-proof bins.
- This results in individuals moving into the urban area to raid these point source attractants.



Figure 13: Broken and non-baboon-proof bins outside Sunhill Estate.

Births and Deaths

- No births or deaths were reported in the Slangkop Troop this month.

SOUTH WEST REGIONAL SUMMARY:

Births and Deaths

No births or deaths were reported in the South West this month.

Recommendations

- Management of the Slangkop Troop should improve if the patches of **invasive alien plants** situated **above Ocean View** and **below the Compass Bakery Sleep Site** are removed. 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.
- **Baboon-proof bins** should be used by commercial businesses in **Heron Park** to prevent raiding.
- **Bongeletu School** should apply for **additional baboon-proof bins** to accommodate all the waste generated by the school.

NORTHERN REGION – AREA MANAGER: STEPHANUS FERREIRA

1. TOKAI TROOP

In Town Statistics

- Time out of town for the troop was 100 %.
- Time out of town for individuals was 100%.
- The troop mostly slept at the Tea Garden Sleep Site and the SANParks' Tokai Picnic Sleep Site during July 2018.

Incidents

Chrysalis Academy

- From 4 July 2018 until 22 July 2018, HWS staff were requested by the management of Chrysalis Academy to stay off their property. This was an experiment to determine how the baboons would behave if they were not actively managed by HWS. It soon became apparent that the baboons were increasing their time on the property during HWS' absence and HWS was requested to resume management.
- During these dates the Tokai Troop spent most of its time around the Chrysalis Academy grounds.
- On 26 June 2018, an untagged male from the Tokai troop raided an unoccupied vehicle at the Chrysalis

Migrations

- This month, the Tokai and Zwaanswyk Troops spent most of their time foraging together and also slept at the same sleep sites on several occasions. Towards the end of the month when the troops were foraging separately, HWS noticed that the troop count for Zwaanswyk had decreased by four, while the Tokai Troop numbers had increased by four. It is therefore assumed that four individuals had emigrated from the Zwaanswyk Troop to the Tokai Troop (the original parent troop).

Births and Deaths

- No births were reported in the Tokai Troop this month.
- Two deaths occurred. On 25 June 2018, an infant was killed by an untagged male in the Tokai Troop. On 9 July 2018, MT10 was euthanized after being severely injured in a fight with a dog.

2. ZWAANSWYK TROOP**In Town Statistics**

- Time out of town for the troop was 100%.
- Time out of town for individuals was 99.5%
- The troop mostly slept at the SANParks' Tokai Picnic Sleep Site during July 2018.

Incidents**Chrysalis Academy**

- From 4 July 2018 until 22 July 2018 HWS staff did not operate on Chrysalis Academy.
- During these dates the Zwaanswyk troop spent most of its time around the Chrysalis Academy grounds.
- On 26 June 2018, an untagged adult female from the Zwaanswyk troop entered the Gym at the Chrysalis Academy and came out with a slice of bread.
- On 27 July 2018, TK53 and a female raided a black bag at the Chrysalis Academy that was left outside one of the buildings.

Zwaanswyk fence

- On 10 July 2018, a horse gate at the Zwaanswyk fence was left open and four adult female baboons from the Zwaanswyk Troop entered the Zwaanswyk residential area. The four adult females spent 90 minutes in town, but no raids were recorded.

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: JULY	YEAR: 2018	3	Non malicious damage														6	Raid occupied house or vehicle												9	Nocturnal Raiding														
BABOON ID	Sex	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	TOTAL								
TK53 (Orange-Y)	M																																		2	1									
Un ID Male	M																																												
Un ID Female x 6	F																																												
Un ID Female	F				5														1															2	3										
Un ID Female	F																		1																	1									
Un ID Female	F																		1																	1									
Un ID Female	F																		1																	1									
Un ID Juvenile																																				1									
Zwaanswyk Troop																																													
	%	TIME SPENT IN TOWN (Minutes)																											HRS																
Troop	0.0																																		0.00										
Individuals	0.5																	90																	1.5										
Roost:	AM	6	6	5	5	7	14	8	8	8	10	10	10	7	6	14	14	10	10	10	7	10	14	14	14	14	10	10	10	10	10	6	7	10	8	14									
Roost:	PM	6	5	5	7	14	8	8	8	10	10	10	7	6	14	14	10	10	10	7	10	14	14	14	14	10	10	10	10	10	6	7	10	8	14	6									
Roost Sites		1	Tea Garden										2	Level 1 Zwk Gums										3	Level 2 Stream										4	Level 4 Pines									
		6	Manor House Pines										7	Picnic Site 1										8	Picnic Site 2										9	Middle Plantation									
		11	Silvermine Pines										12	Level 3 Mixed Plantation										13	Other										14	Picnic Site 3									
		16	Guest House Pines										17	Chrysalis Gums										18	Mike's Stables Pines										19	Level 1 Prinskasteel Stream									
		21											22											23											24										
ID Features of Baboons																																													
General remarks		Bold & Italicsindicate non-urban raids.																																											

Figure 15: The Zwaanswyk Troop's raid sheet for July 2018.

Emigrations

- During this month, four unidentified individuals emigrated from the Zwaanswyk Troop to the Tokai Troop.

Births and Deaths

- No births were recorded in the Zwaanswyk Troop this month.
- One death was reported. On 24 June 2018, TK53 killed an infant.

3. CONSTANTIA TROOP 1 (CT1)

In Town Statistics

- Time out of town for the troop was 100%.
- Time out of town for individuals was 100%.
- The troop mostly slept at the Bike Trails sleep sites during July 2018.

Absence of Adult Males

- During the last week of June, it became clear that there were no longer any adult males in the CT1 Troop. The absence of leadership in the troop, resulted in the troop spreading out into small groups

during the day when the baboons were foraging. The lack of cohesion in the CT1 Troop, has made it much more difficult to manage.

Births and Deaths

- No births were recorded in CT1 this month. Three deaths were recorded.
- On 26 June 2018, CON6 was tracked by means of his VHF radio collar and found dead on the ground below the Bike Trails Sleep Site on SANParks land. The carcass was taken to the state vet for an autopsy. This revealed that the possible cause of death was “acute blood loss due to a penetrating wound of the abdomen and descending colon. This wound was most likely caused by the bullet retrieved from the omentum of the baboon. The bullet resembles that of a pellet gun”. A case of poaching has been lodged by SANParks.
- Two baboons from CT1 were reportedly removed by the professional hunter hired by two Constantia wine farms in terms of their CapeNature permits.

4. CONSTANTIA TROOP 2 (CT2)

In Town Statistics

- Time out of town for the troop was 100%.
- Time out of town for individuals was 100%.
- The troop mostly slept at the Buitenverwachting Gums Sleep Site during July 2018.

Absence of Adult Males

- As with CT1, there have been no adult males observed in the CT2 Troop since the last week of June. The absence of adult males has had the same effect on this troop, with individuals spreading out in small groups and a lack of troop cohesion.

Births and Deaths

- No births were recorded in CT2 this month.
- Three deaths were recorded. Two baboons from CT2 was reportedly removed by a professional hunter hired by two Constantia wine farms in terms of their CapeNature permits.
- On 16 July 2018, the skeleton (at least six months dead) of an untagged female baboon was found under a tree at the Buitenverwachting Gums Sleep Site. While collecting the bones, HWS staff discovered a .22 bullet under the carcass. Owing to the advanced decomposition of the carcass, the

cause of death remains inconclusive.

5. MOUNTAIN TROOP

In Town Statistics

- Time out of town for the troop was 100%. Time out of town for individuals was 100%.
- The troop slept mostly at the Tea Garden Sleep Site.

Incidents

Mountain Troop sleeping at new sleep site

- On 20 June the Mountain Troop started sleeping at the Tea Garden Sleep Site for periods of approximately one week. In between their extended use of the Tea Garden Sleepsite, the troop returned to the Veels-te-Ver Sleep Site. This is the first time that this troop has utilised the Tea Garden Sleep Site. This created the effect of an extra troop foraging in the Tokai area, and made it more difficult to keep baboons out of the urban area.

Carcass Retrieved

- The carcass of a dead baboon (untagged sub-adult male from the Mountain Troop) already reported by HWS in the April 2018 Monthly Report, was found on the ground below the Veels-te-Ver Sleep Site. This carcass was seen by HWS staff in April, but it could not be retrieved from its position high up the tree. The carcass subsequently fell down and was discovered on the ground on 16 July 2018. The carcass was sent to a vet for an autopsy. The state of decomposition had progressed too far to determine the cause of death. An X-ray, however, showed a small pellet in the upper forearm and two larger opacities in the thoracic spine region. The basic autopsy failed to locate any of the three objects seen on the x-ray and no cause of death could be established.

Births and Deaths

- No births were reported in the Mountain Troop this month.
- Four deaths are recorded. On 10 July 2018 the carcass of MTF1 was found about 20m up a tree at Veels-Te-Ver. The carcass was retrieved and sent to a vet for an autopsy. The vet could not conclude cause of death due to the state of decomposition. A large open wound was found at the base of the anal cavity and it was concluded that this was possibly caused by a gunshot, but no shrapnel was found. Two pellets were however found elsewhere in body, but this could not be confirmed as the cause of death.
- Three baboons were reportedly removed from the Mountain Troop by a professional hunter hired by two Constantia wine farms in terms of their CapeNature permits.

NORTH REGIONAL SUMMARY:

Births and Deaths

No births were reported in the North this month. Six deaths were recorded during the period 23 June to 27 July. In addition, it was reported to HWS that the professional hunter, commissioned by two of the Constantia wine farms, had shot 7 baboons. These deaths are now recorded in the July reporting period, although they were apparently shot before 22 June. They are however allocated to June and are therefore accounted for in the annual report ending 30 June. This data was not previously available.

Unaccounted for Tagged or Collared Baboons

Once HWS Rangers confirmed that neither the CT1 nor CT2 Troops had any adult males present, a full count of the troops was initiated. Full counts were undertaken of all of the northern troops.

Six collared or tagged animals could not be accounted for in the CT1 and CT2 Troops. This included two baboons with GPS radio collars, one with a VHF radio collar and three baboons with coloured ear tags (See Table 1).

Code	Tag	Collar	Collar Found	Troop
CON15	G-R	GPS	Only Collar Found	CT1
TK36	R-P	VHF	No Collar Found	Mountain Troop
MT4	P-O	-	No Collar Found	Mountain Troop
MT9	B-Y	-	No Collar Found	Mountain Troop
CON14	R-Y	GPS	No Collar Found	CT2
CON13	W-W	-	No Collar Found	CT1

Table 1: List of collared or tagged baboons currently unaccounted for in the northern sub-population.

Recommendations

- The **electrified perimeter fence** at the **SANParks' Tokai Picnic Site** should be **upgraded and maintained** on a regular basis, to prevent baboons from entering the picnic site and raiding bins and picnickers.
- **Regular maintenance and upgrades to electrified perimeter fences on wine estates** will reduce baboon incursions on wine farms. **Regular trimming and removal of overhanging trees** and closing of excavations would also reduce baboon access to farms.
- Measures such as storing food in secure areas will reduce the amount of human derived foods (HDF's) available to baboons, and this should reduce the level of raiding at **Chrysalis Academy**.
- Measures such as the **baboon-proofing of private and staff houses on wine estates** will also reduce **baboon access to HDF's**.

- The **horse gate** at the **Zwaanswyk fence** needs to be **closed constantly** to ensure that baboons can't use it to enter the urban area.

C. GENERAL COMMENTS ON ALL BABOON TROOPS

1. POPULATION DATA

Following on from the June monthly report which ended on 22 June 2018, it became evident that there were many baboons unaccounted for in the northern sub-population of baboons. An additional count of the northern troops was therefore undertaken after the annual count had already been completed. These latest data, recorded from 25 – 30 June, are those reported in the recently published annual count and annual report. This July report is now reporting the estimated numbers of baboons in each troop only taking into account known births and deaths recorded from 1 – 27 July. It has also become evident during the writing of the June, annual and July reports, that finishing the report on the last (or second last) Friday of the month can cause many complications. HWS has therefore decided that, in future, all reports will follow the calendar month.

During July 2018, no births and 17 deaths were recorded. Seven of these deaths were reportedly as a result of a professional hunter operating in terms of CapeNature hunting permit on two of the Constantia wine farms. Of the other 10 deaths, five were infanticides, one a result of a fight with a dog, and another the result of a baboon on baboon fight. A further three carcasses were found and sent for autopsies. Four baboons emigrated from the Zwaanswyk Troop to the Tokai Troop.

TROOP	30 JUNE POPULATION TOTALS					
	JUNE 2013	JUNE 2014	JUNE 2015	JUNE 2016	JUNE 2017	JUNE 2018
Da Gama Troop	42	43	46	52	52	55
Smitswinkel Bay	21	22	24	29	33	35
Waterfall	28	29	31	33	37	40
Groot Olifantsbos (GOB)	20	19	16	17	18	23*
Misty Cliffs (<i>GOB Individuals</i>)	17	16	9	11	5	6*
Slangkop	37	40	35	41	40	44
SUB TOTAL	165	169	161	183	185	203*
Zwaanswyk	28	28	27	28	30	20
Tokai	64	70	61	65	69	75
Mountain	41	47	49	47	57	60
Constantia 1	70	69	77	81	63	46
Constantia 2					22	10
SUB TOTAL	203	214	214	221	241	211
TOTAL	368	383	375	404	426	414*

Table 2: Population data for the eleven managed troops on the Cape Peninsula at 30 June (2013 to 2018).

*The sub-totals for the Southern Sub-Population and the Total Expected Population were incorrect in the June 2018 Monthly Report, because the sub-totals for the GOB Troop were counted separately and again with the total for the troop. These numbers are correct in all subsequent reports written.

TROOP	TOTALS JUNE 2018 ANNUAL COUNT (30 June 2018)	HWS REPORTING PERIOD						TOTALS ESTIMATED 27 JULY 2018
		23 June to 30 June (These Births & Deaths are included in the Annual Count)			1 July to 27 July (These data contribute to 27 July Estimated Totals)			
		BIRTHS	DEATHS		BIRTHS	DEATHS	Emigration / Immigration	
			Observed	PLOHP*				
SOUTHERN SUB POPULATION (SSP)								
Da Gama Troop	55		1			2		53
Smitswinkel Bay	35						-1	34
Waterfall	40					1	+1	40
Groot Olifantsbos (GOB)	23							29
Misty Cliffs (<i>GOB Ind'ls</i>)	6							
Slangkop	44							44
Sub Total	203	0	1	0	0	3	0	200
NORTHERN SUB POPULATION (NSP)								
Zwaanswyk	20		1				-4	16
Tokai	75		1			1	+4	78
Mountain	60			3		1		59
Constantia 1	46		1	2				46
Constantia 2	10		1	2				10
Sub Total	211	0	4	7	0	2	0	209
TOTAL	414	0	5	7	0	5	0	409

Table 3: Population data for the eleven managed troops on the Cape Peninsula in July 2018. Area shaded in blue is data from July reporting period that contributed towards the annual count ending on 30 June. Area shaded in grey is data contributing only to the July reporting period. Emigration/Immigration figures show animal movements between troops and are accommodated in the troop population totals.

* PLOHP Private landowners hunting permit (see Table 4).

Deaths	2012*	2013	2014	2015	2016	2017	JULY 2018	2018 to Date	TOTAL
Management	17	16	8	7	7	12	0	2	69
Human Induced (HID)	8	7	10	11	7	6	4	7	56
Direct **	8	6	6	8	4	3	4	7	42
Indirect ***	0	1	4	3	3	3	0	0	14
Natural	7	30	19	33	16	28	6	14	147
PLOHP****							7	7	7
Unknown	1	3	0	4	7	13	0	10	38
TOTAL	33	56	37	55	37	59	17	40	317

Table 4: 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. ****Private Land Owner Hunting Permit; Deaths of damage causing animals hunted on farmland in accordance with a Provincial hunting permit issued by CapeNature in terms of Nature Conservation Ordinance 19 of 1934.

2. HOTLINE DATA

During July 2018, there was a total of 99 calls, 64 of which were raid-related calls received from managed areas. This is a decrease of four raid-related calls from last month (June 2018). The majority of the calls were from Welcome Glen (19 calls), Scarborough, Capri and Zwaanswyk, although in the latter areas there were only eight or nine calls from each.

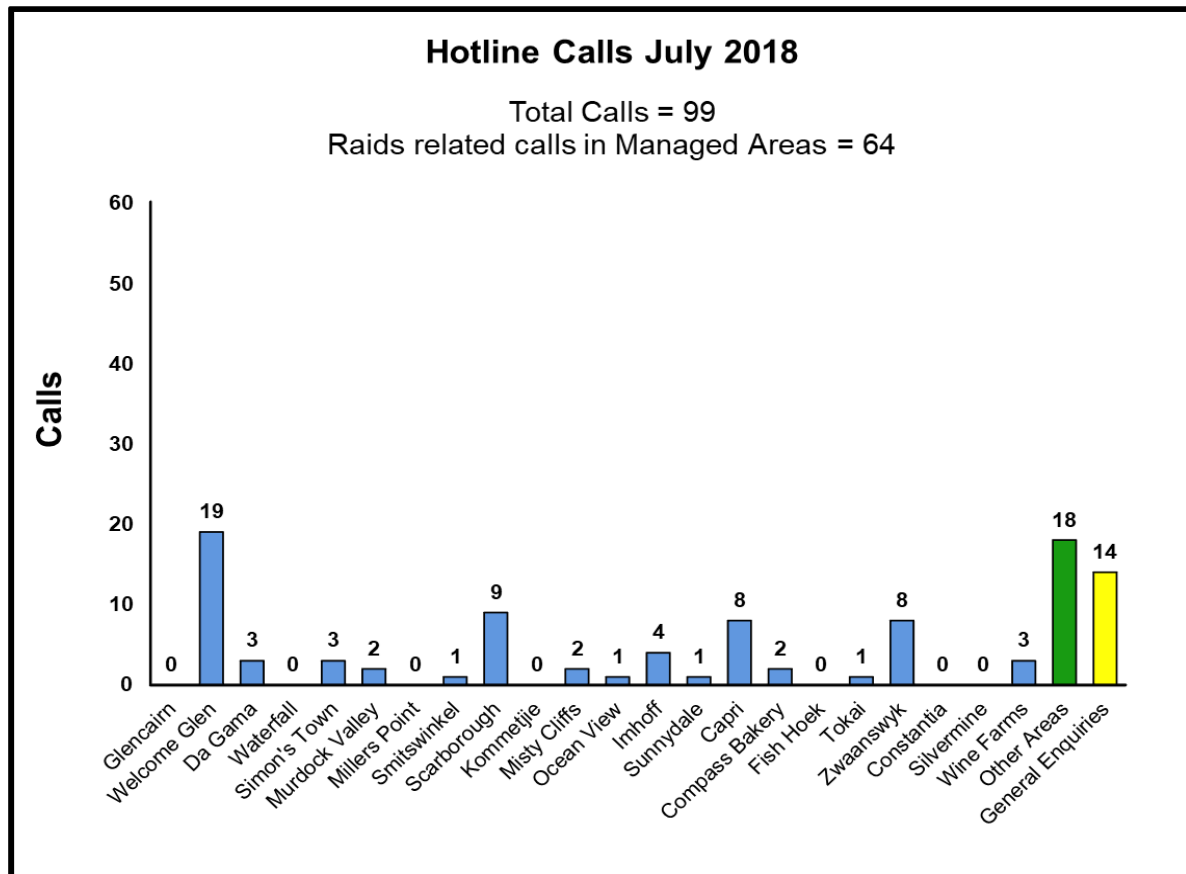


Figure 16: Hotline calls summary per urban area for July 2018. Raid related hotline calls are calls reporting managed baboons in urban areas. Managed Areas are those areas in which managed baboon troops raid. Other Areas represent those areas, beyond the urban edge or the range of managed baboons.

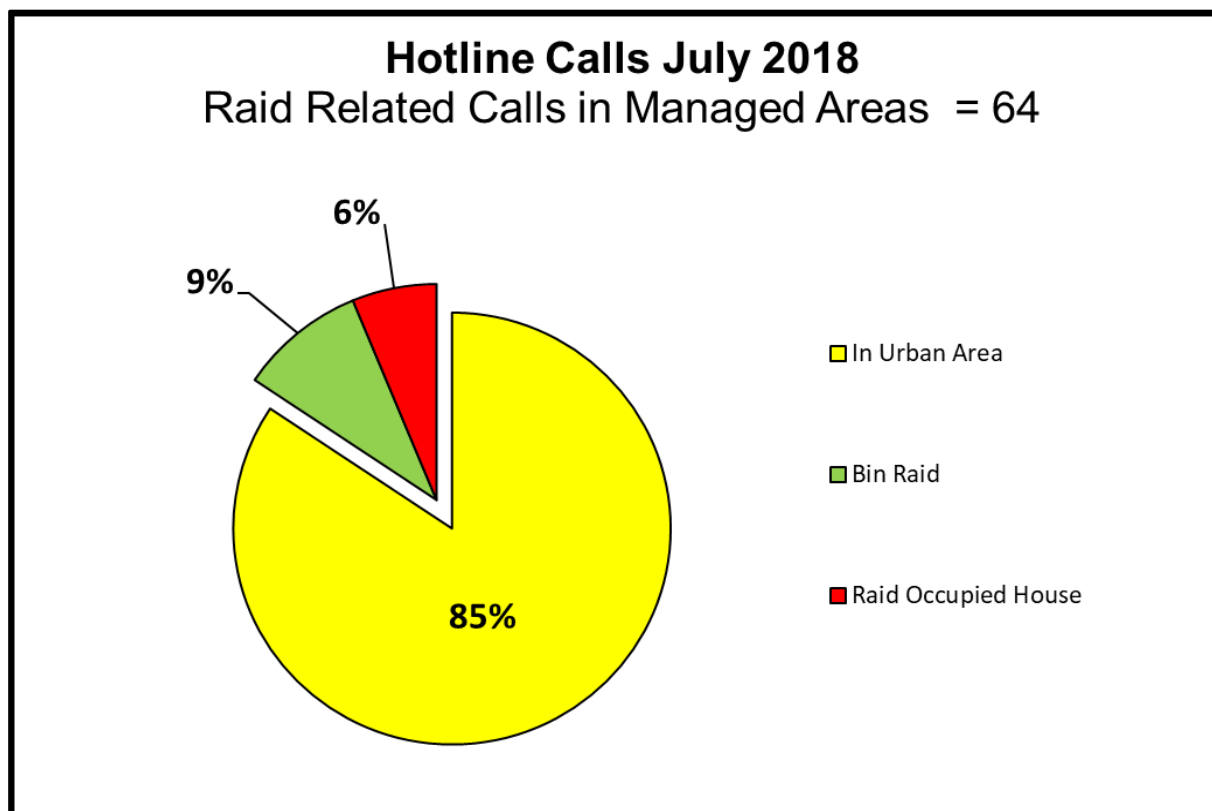


Figure 17: Composition of raid-related hotline calls during July 2018.

Apart from Scarborough, where the GOB females and their juveniles roam mostly in pairs, the general lack of hotline calls this month is very pleasing, given that these data are from mid-winter, when the baboons traditionally raid the most because it is the coldest time of year with the least amount of forage available.

It is pleasing to note that 85% of raid related calls were simply reporting baboons being within the urban area. The remaining calls reported bin raids and occupied house raids.

3. PERCENTAGE TIME OUT OF TOWN

The percentage of time that the troops spent out of town this month remained very high at 99.9%. Only the Da Gama Troop did not spend 100% of their time out of town. Here again these data are very pleasing given the time of year.

The Da Gama Troop spent 99.6% of their time out of town. Poor waste management and the pine trees that provide sleep sites in the urban area, act as attractants for the Da Gama Troop. During the winter months especially, the troop prefers to sleep in pine trees rather than in the mountain or on the naval flats.

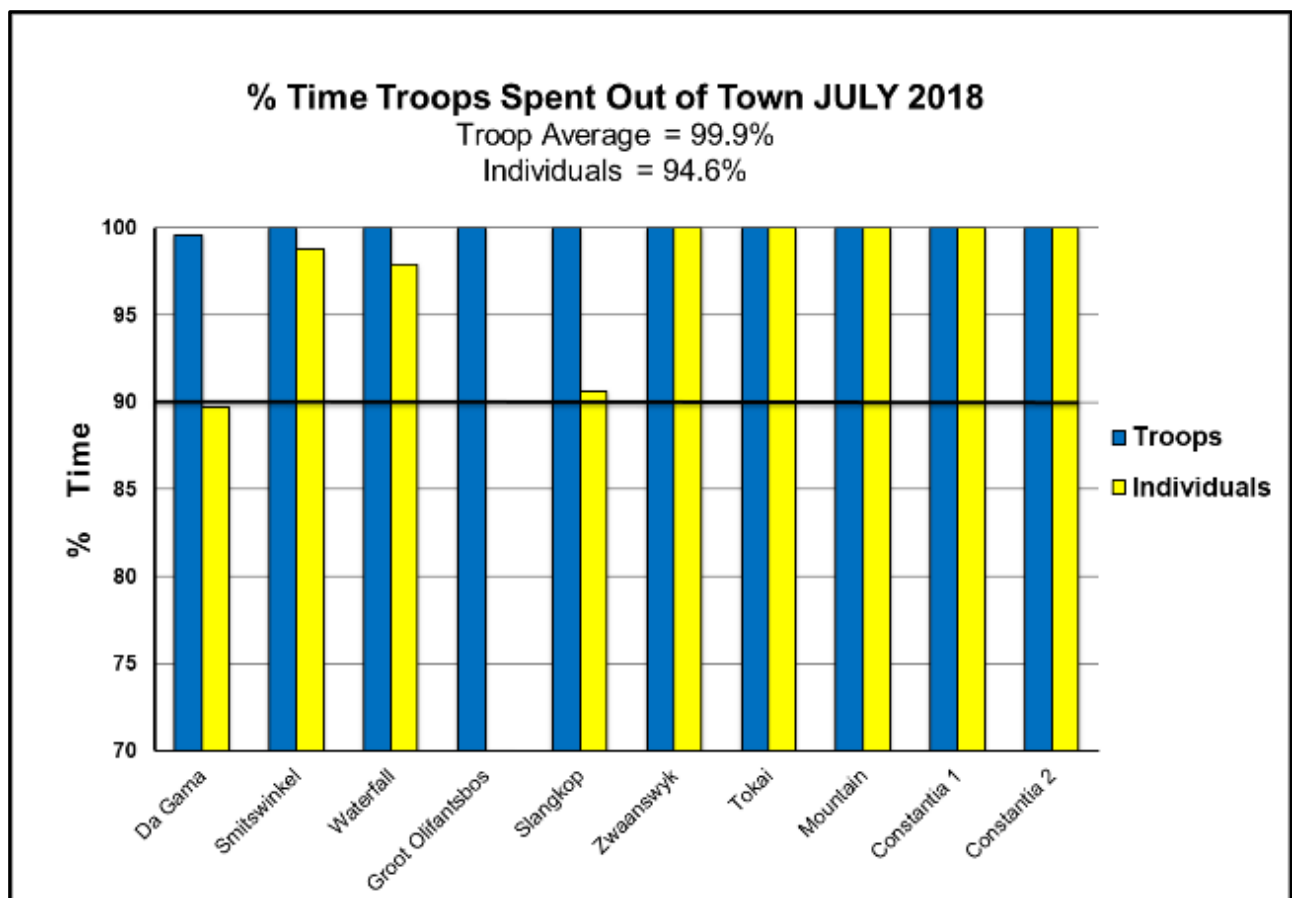


Figure 18: Percentage time troops spent out of town. The solid line indicates the City of Cape Town's 2014 and current contract requirement.

Individuals spent an average of 94.6% of their time out of town. The individuals from the Tokai, Mountain and Constantia Troops did not enter town at all this month. Time in town for individuals was affected mainly by the individuals from the Da Gama Troop as well as the GOB females. Within the Da Gama Troop there have been several incidents of infanticide over the past few months, undertaken by both DG14 and DG18. This has led to a group of three to five females often remaining behind at the sleep site when the troop heads up the mountain. These females are believed to be low ranking and they may have been staying away from the males to avoid the risk of infanticide to their offspring.

As for the GOB females, the vegetation around Bonteberg has not yet fully recovered after the fire March 2018 fire. The incentive to be inside the boundaries of the Cape of Good Hope Reserve is much lower than being around Scarborough and Misty Cliffs. These females might also be avoiding the risk of infanticide because their juveniles will only turn one year in August.

D. CONCLUSION

Unlike previous mid-winter reporting periods, this reporting period had a very high success rate of keeping baboon troops out of town. This is unusual for this time of the year, because most of the troops usually push to be lower down the mountain in the cold and wet months. This typical mid-winter pattern usually led to increased human-baboon conflict.

HWS undertook full annual counts of all the managed baboon troops, as per the City of Cape Town tender requirements, by the end of June 2018. The results of the annual count showed a marked decline in the size of the northern sub-population (NSP).

Regarding the 2018 baboon troop count, it is important to note the following quote from an internationally-renowned primate academic:

“Experience has revealed significant discrepancies between monthly troop counts and population census figures and hence population parameters are derived from census data and not counts.

Given the fission-fusion nature of the troops in this sub-population and the confirmed movement of males between troops in accordance with stressors (e.g. fights, a new fence) or attractants (e.g. females in oestrus, fruiting trees) we would strongly advise that a complete census of the Northern Sub Population (NSP) extending from Ou Kaapseweg and Silvermine in the South to Constantia in the North and Chapman’s Peak in the West, where small groups of males have been seen, be performed should there be concerns that the population has reverted from steady growth to that of a decline.

Failure to complete a population census may result in incorrect assumptions about the current status of the NSP and how individual baboons have distributed themselves throughout this extensive northern region.

Lastly, the monthly reports by HWS do detail any and all baboons that are found dead. Such deaths are the only hard facts available at present and in the near future regarding current sources of mortality in the NSP”.

Professor Justin O’Riain, Professor in Biological Sciences and Director of the Institute for Communities and Wildlife in Africa, University of Cape Town.

It is hoped that such an independent census will be commissioned in the near future.

Dr Phil Richardson

HUMAN WILDLIFE SOLUTIONS (PTY) LTD