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# **Human Wildlife Solutions**

## **Overstrand**

### **Monthly Report**

**June 2022**

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## **INTRODUCTION**

This monthly report covers the period from 1 June to 30 June 2022.

During June, the Voëlklip Troop made only one incursion into the urban area, with individuals gaining access to town on six other occasions. Despite an increase in the number of days individuals accessed the urban area during June, the time out of town for individuals increased as most incursions were short and management responses were implemented rapidly. Elsewhere in the eastern Overstrand, the Vogelgat Troop was not observed in the urban area during June, however individuals from the troop were recorded in the urban area on three days this month.

In the western Overstrand region, the Pringle Bay Troop spent the majority of the month out of the urban area, however it did return during the last third of the month. As with previous return trips to the urban area, several highly habituated individuals acted as powerful attractants for the troop, eventually drawing the whole Pringle Bay Troop back into town. PBM2 continued to be a key instigator of this pattern of behaviour, and was often observed recruiting females to accompany him on his attempts to return to Pringle Bay.

In Betty's Bay the troop's behaviour changed little when compared to May. The troop time in town remained stable, whilst the amount of time spent in town by individuals increased slightly. However, if one compares this to behaviour during the same period in 2021 there is significant difference. The most striking difference is the change in assertiveness of the troop; during June 2021 the majority of incursions recorded were assertive, however during June 2022 the proportion of assertive incursions was significantly smaller. Additionally, despite being present in the urban area on more days in June 2022 the troop spent less time in town than during June 2021.

The Hangklip and Silversands Troops did not access any urban areas during June, although the two adult males from the Silversands Troop continued to be attracted to the western portion of Silversands, gaining access to the urban area on ten days during June. These males followed similar routes when moving through the urban area, visiting residences that had either provisioned food in the past or were continuing to provision food. This highlights an increased need to inform residents regarding the feeding of wildlife, as well as the need for rapid response in enforcement in order to prevent the entrenchment of these behaviours.

The annual population count was conducted during this month. Half of the managed troops (Voëlklip, Betty's Bay, Hangklip, Hamilton-Russell) grew in size over the past management year whilst two troops (Pringle Bay and Vogelgat) experienced population declines. Accurate counts of the remaining two troops (Silversands and Onrus) were not completed because of infrequent observations of these two troops.

## OVERSTRAND EAST TROOPS

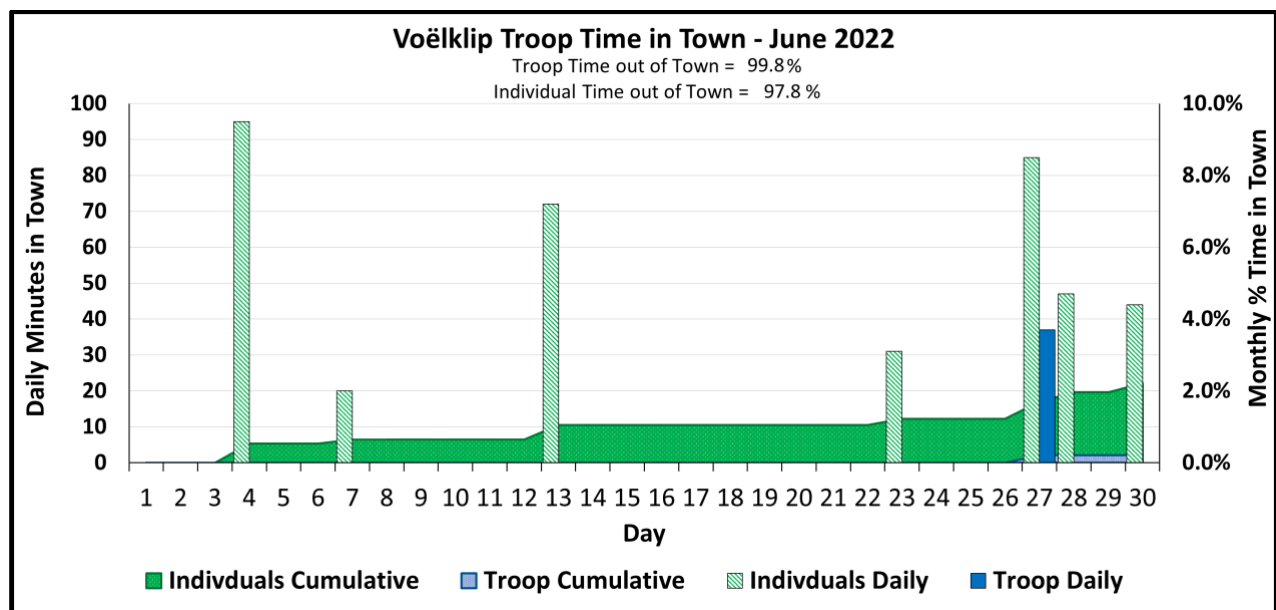
### 1.1 VOËLKLIP TROOP

#### 1.1.1 IN TOWN STATISTICS

- Troop time out of town increased during June from 99.4% to 99.8%.
- Time out of town for individuals increased marginally from 97.6% in May to 97.8% during June.

	% Out of Town	% Up or Down from Previous Month	Days Entered	Total Time in Town	Avg Time in Town per day	Max Daily Time in Town	Min Daily Time in Town
<b>Troop</b>	99.8	+ 0.4	1	0:37	0:37	00:37	00:37
<b>Individuals</b>	97.8	+ 0.2	7	6:03	0:51	01:35	00:20

**Table 1.1:** In Town Statistics for the Voëklip Troop for June 2022. Time is expressed in hours and minutes. Average daylength in June was 10 hours and 6 minutes.



**Figure 1.1** Troop and individual daily time (minutes) in town (bars), and monthly (area) percentage Time in Town by the Voëklip Troop during June 2022.

#### 1.1.2 NOTEWORTHY INCIDENTS

##### 1.1.2.1 HERMANUS HEIGHTS & GOLF COURSE

- Individuals from the Voëklip Troop accessed the Hermanus Heights suburb on three days during June.
- The sleep sites on the cliffs above Hermanus Heights continue to be the most heavily utilised in the home range of Voëklip Troop.

HWS: TROOP MONTHLY REPORT																																									
SECTOR		CLASSES OF BEHAVIOUR																																							
OVERSTRAND		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	28	29	30	TOTAL									
BABOON TROOP: Voëlkliip		VOËLKLIP		1 In urban area		4 Attacking pets		7 Threatening behaviour/ attacking/ stealing food																																	
MONTH: June		YEAR: 2022		2 Raid bins		5 Raid unoccupied house or vehicle		8 Breaking & Entering/Damaging property																																	
				3 Non malicious damage		6 Raid occupied house or vehicle		9 Nocturnal Raiding																																	
Troop																																	1					1			
VGM1 BLUE TAG	M																																								
UNKM1	M				1			1						1																						1	1		1	6	
VKF4 YELLOW TAG	F																																								
VKF5 RED TAG	F				1			1																																3	
VKF1 GREEN TAG	F																																								
VKF6 ORANGE TAG	F																																								
UnID Male	M																																								
UnID Males	M																																								
UnID Females	F																																								
UnID Female	F																																								
UnID Individuals					1			1																																3	
UnID Juveniles					1																																			2	
	%	TIME SPENT IN TOWN (Minutes)																													HRS										
Troop	0.2																																						37	0.62	
Individuals	2.2				95			20							72																						31	85	47	44	6.57
Roost:	AM	18	18	2	2	2	2	4	18	4	18	2	18	18	18	18	2	18	18	2	2	2	5	7	14	14	8	8	8	6	13	11									
Roost:	PM	18	2	2	2	2	4	18	4	18	2	18	18	18	18	2	18	2	2	2	2	5	7	14	14	8	8	8	6	13	11										
Roost Sites	1	Golf Course				2	Heights Dam				3	Green Kloof				4	Platte Klip				5	Adder Ladder																			
	6	Lower Dam				7	Middle Dam				8	Upper Dam				9	Dragon's Back				10	Droë Kloof																			
	11	Blaaie Kloof				12	Big Titanic/Cave				13	Small Titanic				14	10th Ave Kloof				15	11th Ave Kloof																			
	16	A-Shape				17	Bos Klip				18	Hermanus Heights				19	Steyn's Kloof				20	In Town																			
	21	Tallie's Kloof				22	Kanonkop				23	BHB Waterfall				24	Rooiklip				25	ZigZag																			
	26	9th Avenue Kloof				27	Shade Rock				28	BOSKO				29	Groot Uitkyk				?	Unknown																			
ID Features of Baboons																																									
General remarks																																									

Figure 1.2: The Voëlkliip Troop incident sheet for June 2022.

### 1.1.2.2 VOËLKLIP & FERNKLOOF

- During the latter part of the month, the Voëlkliip Troop gained access to the urban area on one occasion in Voëlkliip, moving west from 1<sup>st</sup> Avenue into the Mossel River.
- Individuals gained access to the suburbs of Voëlkliip and Fernkloof on four days during the latter part of the month. No raiding behaviour was observed.

### 1.1.2.3 GENERAL

- The Voëlkliip Troop made one incursion into the urban area on 27 June. This incursion lasted only 37 minutes, with no raiding behaviour of any kind observed.
- During June the Voëlkliip Troop utilised a broad swathe of their range, from Patryskloof in the west to the mountains above Voëlkliip suburb in the east. The most heavily utilised portion of their home range was the cliffs above Hermanus Heights Suburb, following trends established in the previous months.
- There was an overall increase in the number of incursions during June when compared with May, however, no raiding or assertive incursions were recorded by HWS rangers.

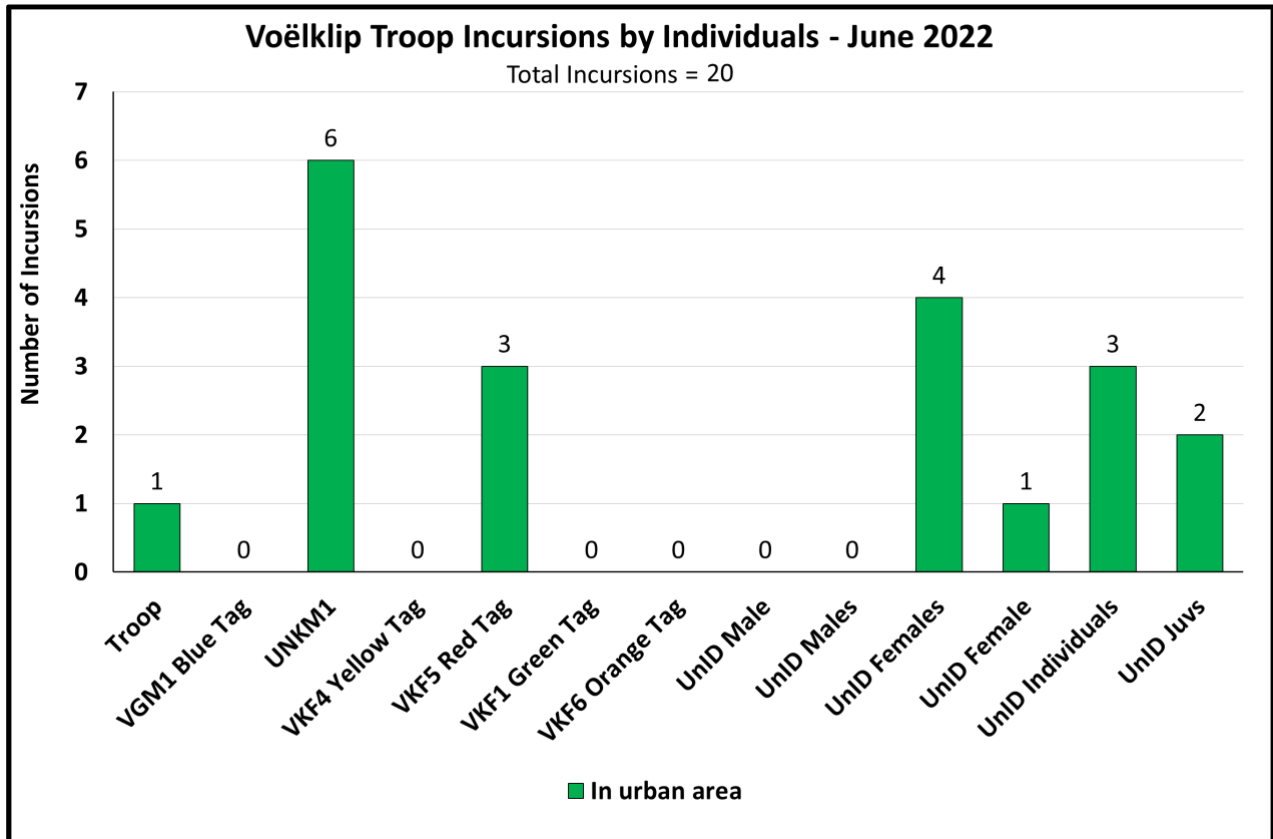


Figure 1.3 Number of incursions for the Voëlklip Troop and individuals during June 2022.

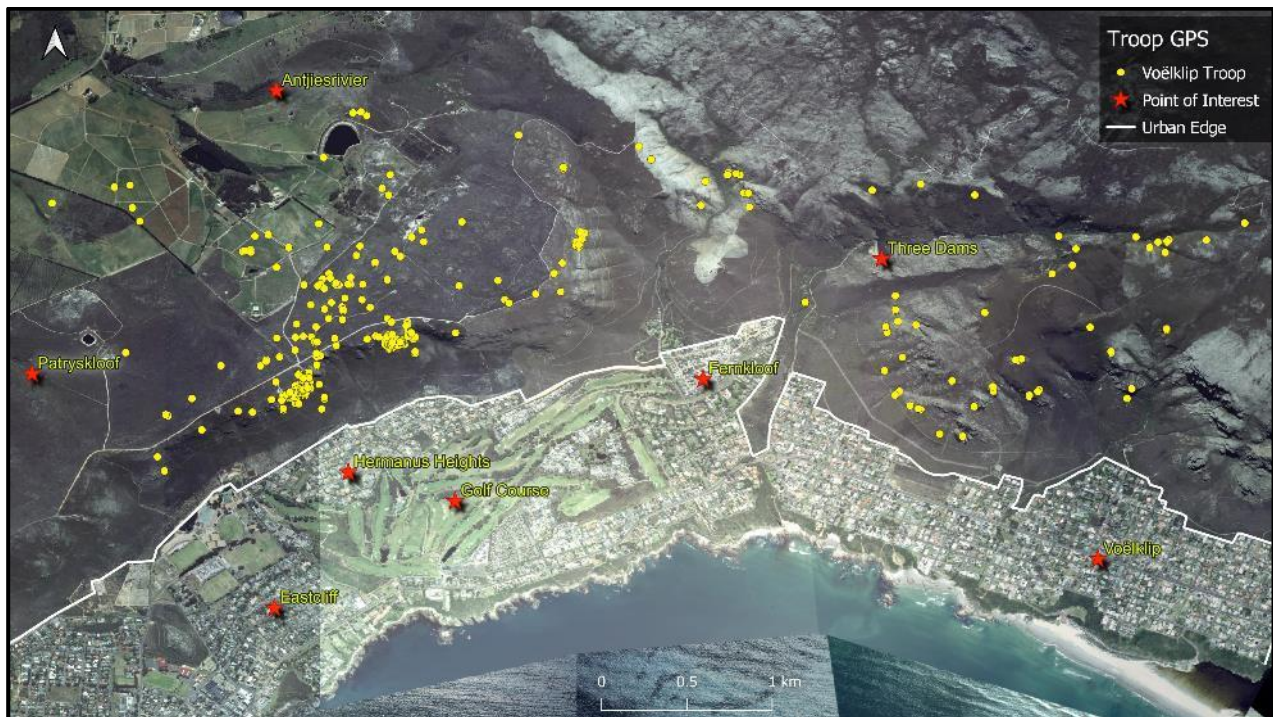


Figure 1.4 Map showing the GPS locations of VKF7 in the Voëlklip Troop during June 2022.

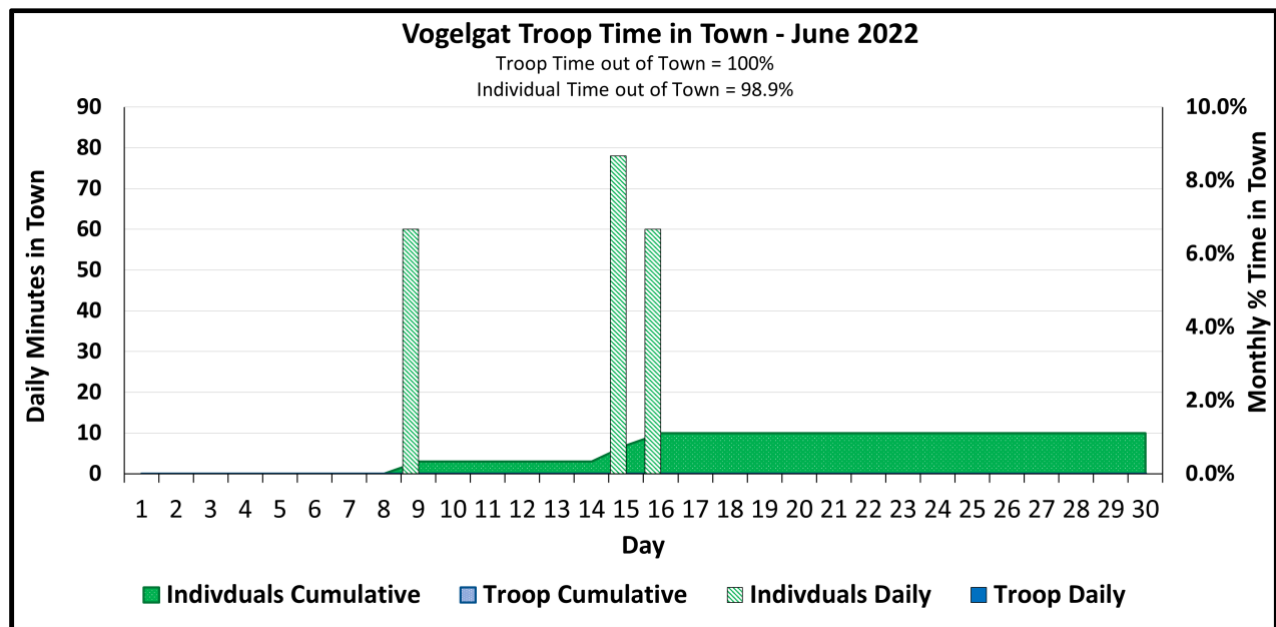
## 1.2 VOGELGAT TROOP

### 1.2.1 IN TOWN STATISTICS

- Time out of Town for the Troop returned to 100% in June, with no recorded incursions by the troop during the month.
- Time out of town for individuals increased during June, from 97.5% during May to 98.9% during June.

	% Out of Town	% Up or Down from Previous Month	Days Entered	Total Time in Town	Avg Time in Town per day	Max Daily Time in Town	Min Daily Time in Town
<b>Troop</b>	100.0	+ 0.6	0	0:00	0:00	0:00	0:00
<b>Individuals</b>	98.9	+ 1.4	3	3:18	1:06	1:18	1:00

**Table 2.1** In Town Statistics for the Vogelgat Troop for June 2022. Time is expressed in hours and minutes. Average daylength in June was 10 hours and 6 minutes.



**Figure 2.1** Troop and individual daily time (minutes) in town (bars), and monthly (area) percentage Time in Town by the Vogelgat Troop during June 2022.

HWS: TROOP MONTHLY REPORT																																	
SECTOR		CLASSES OF BEHAVIOUR																															
OVERSTRAND		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	28	29	30	TOTAL	
BABOON TROOP:		VOGELGAT		1 In urban area		4 Attacking pets		7 Threatening behaviour/ attacking/ stealing food		2 Raid bins		5 Raid unoccupied house or vehicle		8 Breaking & Entering/Damaging property		3 Non malicious damage		6 Raid occupied house or vehicle		9 Nocturnal Raiding													
MONTH: June		YEAR: 2022																															
BABOON ID	Sex	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	28	29	30	TOTAL	
Troop																																	
VGF1	F																																
VGM2	M																																
UnID Male	M									1						1																2	
UnID Males	M																																
UnID Females	F																																
UnID Female	F																																
UnID Individuals																	1															1	
UnID Juvs																																	
		%		TIME SPENT IN TOWN (Minutes)																								HRS					
Troop		0.0																										2.07					
Individuals		1.1		60																								3.30					
Roost:	AM	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
Roost:	PM	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
Roost Sites		1 Baboon Castle		2 18th Ave Kloof		3 11th Ave Kloof		4 10th Ave Kloof		5 Uitkyk Punt		6 Vogelgat Nature Reserve		7 Halfway Ridge		8 Bosklip		9 Groot Uitkyk		10 1st Kloof		11 2nd Kloof		12 3rd Kloof		13 4th Kloof		14 17th Avenue Kloof		15 Waterfall			
		16 A Shape		17 Bitterbiesie		18 Maanskynkop		19 Stillwaters		20 Maanskynbaai SS		?		Unknown																			
ID Features of Baboons																																	
General remarks		Please note that the numbers in red indicate non-urban raids or incursions.																															

Figure 2.2 The Vogelgat Troop incident sheet for June 2022.

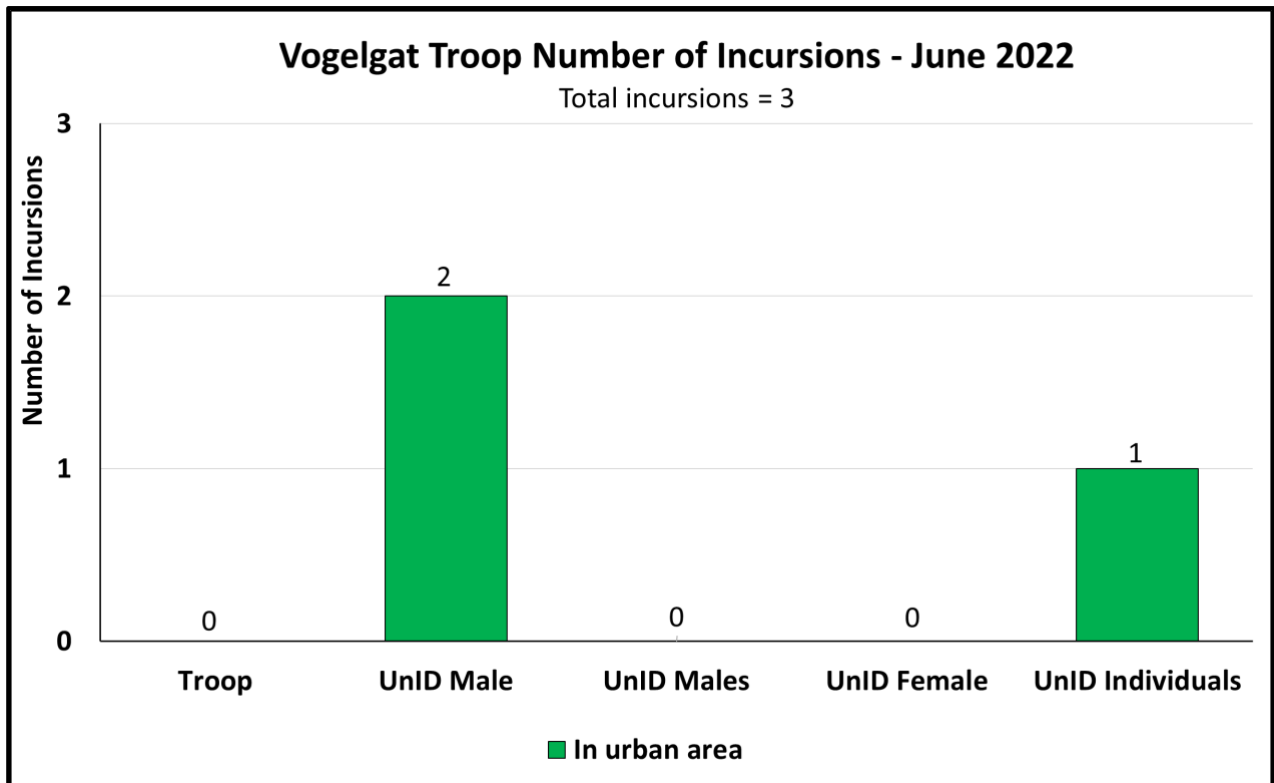


Figure 2.3 Number of incursions for the Vogelgat Troop and individuals during June 2022.



### 1.2.2 NOTEWORTHY INCIDENTS

- There were no incursions into the urban area by the Vogelgat Troop during June.
- On 7 June a hotline call was received regarding an injured juvenile Baboon on the R43, east of Hermanus. When field staff arrived at the location the juvenile baboon was deceased. Judging by the injuries present and the location of the animal, it is highly likely that the animal died as the result of a motor vehicle collision.
- On 30 June, a hotline call was received regarding a male baboon that gained access to the house by breaking a sliding door of a house in Voëlklip. This incident was counted as an individual incursion however as the incident was not directly observed by a member of staff it is not recorded in **Figure 2.3**. The incident is accounted for in **Figure 8.2**.

### 1.2.3 VIRTUAL FENCE

- In the Eastern Overstrand, the Virtual Fence was activated on 10 days during June.

### 1.3 ONRUS TROOP

- No observations of the Onrus Troop were made during May.

### 1.4 HAMILTON RUSSEL TROOP

- The Hamilton-Russel Troop was observed on 15, 16, and 18 of June on the Hamilton-Russel Vineyards.

### 1.5 BIRTHS, DEATHS & MIGRATIONS

One death, the result of a motor car accident, was recorded in the Vogelgat Troop. No Births were recorded in the Overstrand East.

## OVERSTRAND WEST TROOPS

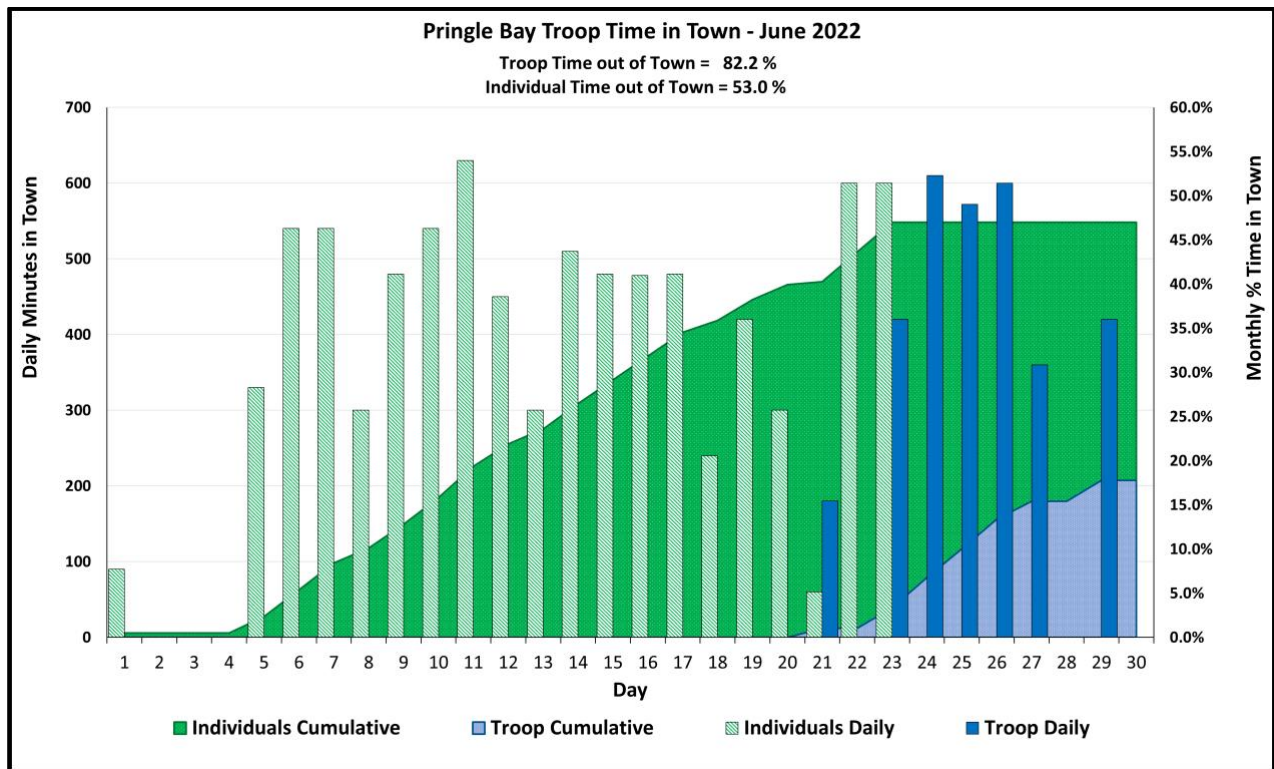
### 1.6 PRINGLE BAY TROOP

#### 1.6.1 IN TOWN STATISTICS

- The time spent out of town by the Pringle Bay Troop increased significantly during June, with the troop spending 82.2% of their time out of the urban area.
- Time out of town by Pringle Bay Troop individuals decreased greatly, with individuals spending 53% of their time out of town during June.

	% Out of Town	% Up or Down from Previous Month	Days Entered	Total Time in Town	Avg Time in Town per day	Max Daily Time in Town	Min Daily Time in Town
<b>Troop</b>	82.2	+ 32.1	7	52:42	7:31	10:10	3:00
<b>Individuals</b>	53.0	-28.0	20	139:28	6:58	10:30	1:00

**Table 3.1** In Town Statistics for the Pringle Bay Troop for June 2022. Time is expressed in hours and minutes. Average daylength in June was 10 hours and 6 minutes.



**Figure 3.1** Troop and individual daily time (minutes) in town (bars), and monthly (area) percentage Time in Town by the Pringle Bay Troop during June 2022.

**1.6.2 NOTEWORTHY INCIDENTS**

- Veterinary surgeon was called out on 16 June to attend to an injury of UKM2. UKM2 had a small laceration on the inside of his left hind leg. The injury was judged to be minor and most likely the result of a baboon on baboon altercation. No action was required.
- On 16 June, PBM2 engaged in six occupied house raids.

HWS: TROOP MONTHLY REPORT																																							
SECTOR										CLASSES OF BEHAVIOUR																													
OVERSTRAND										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	28	29	30
BABOON TROOP: PRINGLE BAY										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	28	29	30
MONTH: June YEAR: 2022										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	28	29	30
BABOON ID	Sex	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	28	29	30	TOTAL							
Troop																																7							
BRM1	M																															2							
PBM2	M					1	1,6	1,6	1	1,6	1,6	1	1,6	1	1	1,6,6,6	1,6,6,6,6,6,6	1,6	1,3	1,6,6	1	1,6					6,6	1,6				44							
BRM2	M																																						
UKM1	M					1	1	1		1	1	1	1		1	1,2,4,3	1	1						1	1	1,2			1	1		20							
HKM1	M	1				1	1,6	1		1	1	1	1		1	1,2,4	1	1	1	1	1			1	1	1,2					20								
PBF1	F																														6,6	3							
PBF4	F																																						
PBF5	F												1	1																		2							
PBF6	F																																						
UnID Male																															6	5,6	3						
UnID Females													1	1	1	1		1,2	1,6	1	1	1	1,6								13								
UnID Female																									1,6	1,3,6	6	6,6	1,6,6	1,6		13							
UnID Individuals																																							
UnID Juveniles												1												1	1,6	1	1	6	1			8							
	%																																						
Troop	17,8																																						
Individuals	18,5	90*				330	540	540	300*	480*	540*	630	450	300	510	480*	478*	480*	240*	420*	300*	60*	600*	180	420	610	572	600	360	420		52,70							
Roost:	AM	24	24	19	24	28	28	28	19	19	19	24	24	24	12	18	12	19	28	28	19	9	9	1	1	1	1	1	1	2	5								
Roost:	PM	24	19	24	28	28	28	19	19	19	24	24	24	19	18	?	22	28	28	19	9	9	1	1	1	1	1	1	1	1	1								
Roost Sites																																							
ID Features of Baboons																																							
General remarks	*A1:AH40lease note that the numbers in red indicate non-urban raids or incursions. * indicates individuals were seen in town but were not seen entering and/or leaving. These data were therefore estimated.																																						

**Figure 3.3** The Pringle Bay Troop incident sheet for June 2022. \* Individual was not observed either entering or leaving town. Time in town was therefore estimated.

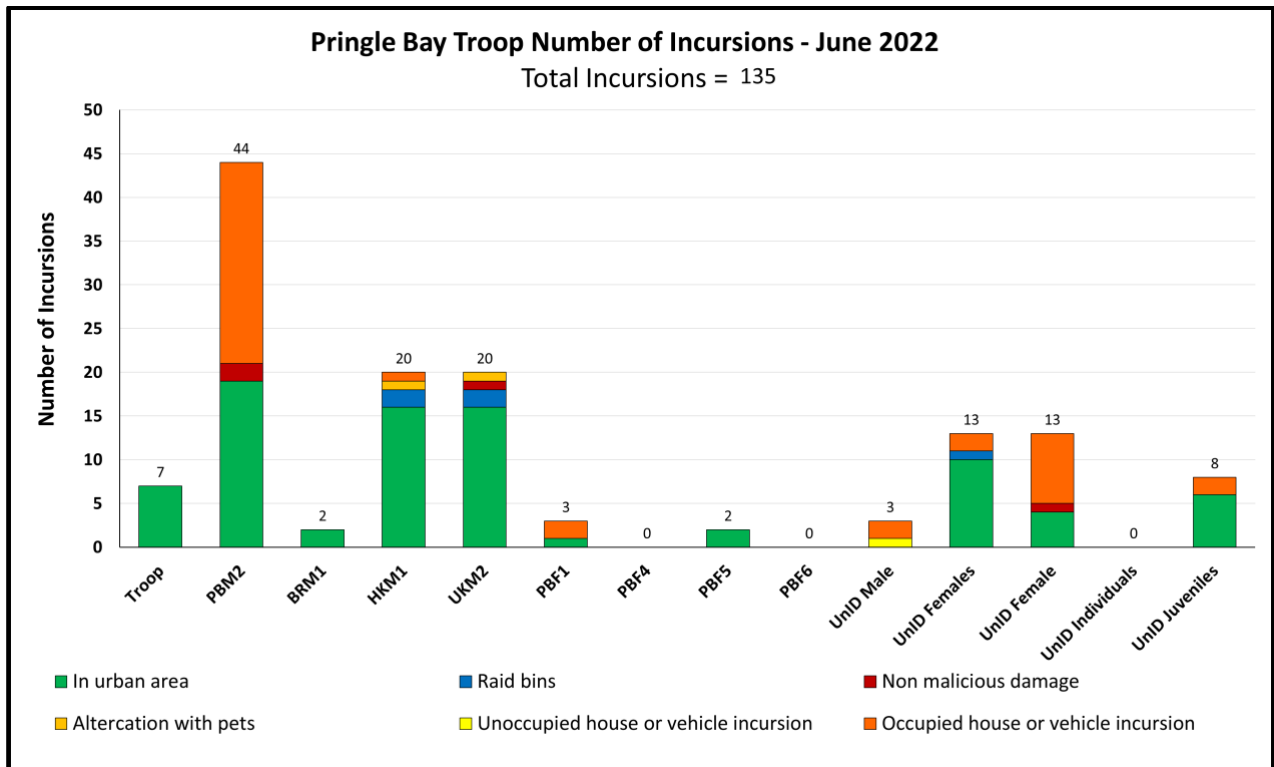


Figure 3.4 Number of incursions for the Pringle Bay Troop and individuals during June 2022.

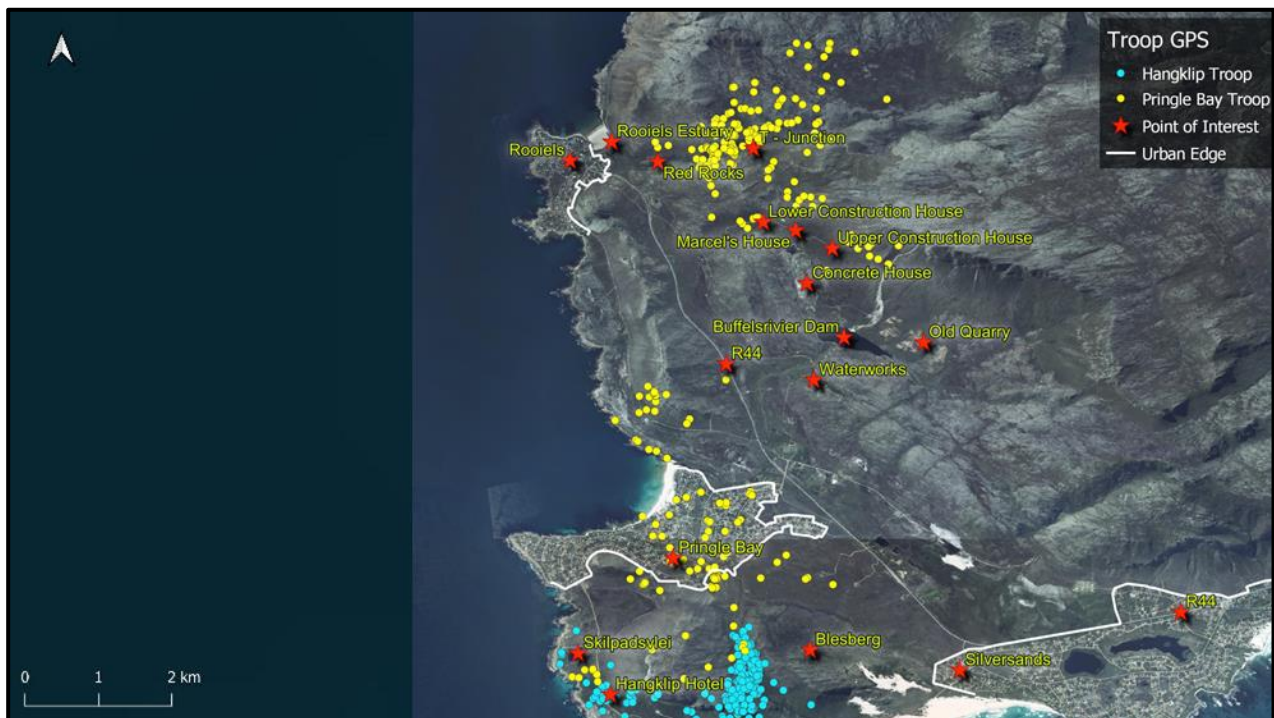


Figure 3.5 Map showing the GPS locations of PBF1 in the Pringle Bay Troop (yellow) and HKM3 in the Hangklip troop (cyan) during June 2022.

## 1.7 HANGKLIP TROOP

### 1.7.1 IN TOWN STATISTICS

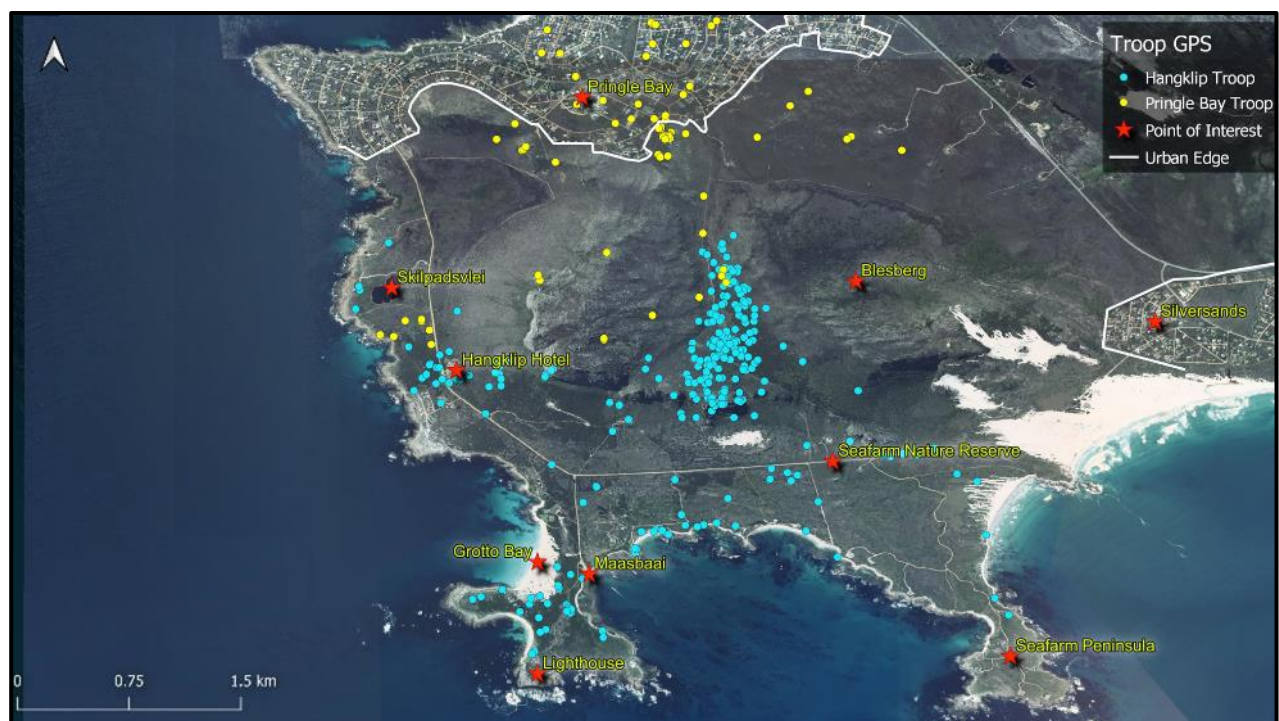
- June was the ninth consecutive month that no time in town was recorded for the Hangklip Troop.
- Individual time out of town increased back to 100% as no individuals from the Hangklip Troop were recorded in the urban area during June

	% Out of Town	% Up or Down from Previous Month	Days Entered	Total Time in Town	Avg Time in Town per day	Max Daily Time in Town	Min Daily Time in Town
<b>Troop</b>	100.0	0.0	0	0:00	00:00	00:00	00:00
<b>Individuals</b>	100.0	+ 0.2	0	0:00	00:00	00:00	00:00

**Table 4.1** In Town Statistics for the Hangklip Troop for June 2022. Time is expressed in hours and minutes. Average daylength in June was 10 hours and 6 minutes.

### 1.7.2 NOTEWORTHY INCIDENTS

- The Hangklip Troop utilised its natural home range between Pringle Bay Village and Sea Farm Private Nature Reserve. When observing the GPS locations recorded for the Hangklip Troop (**Figure 4.2**) the area most intensely utilised was the central portion of their home range, however both the Seafarm and Maasbaai peninsulas were used, as well as the area around the Hangklip Hotel.



**Figure 4.2** GPS locations of HKM3 in the Hangklip Troop (cyan) and PBF1 in the Pringle Bay Troop (yellow) as determined by their GPS collars during June 2022.

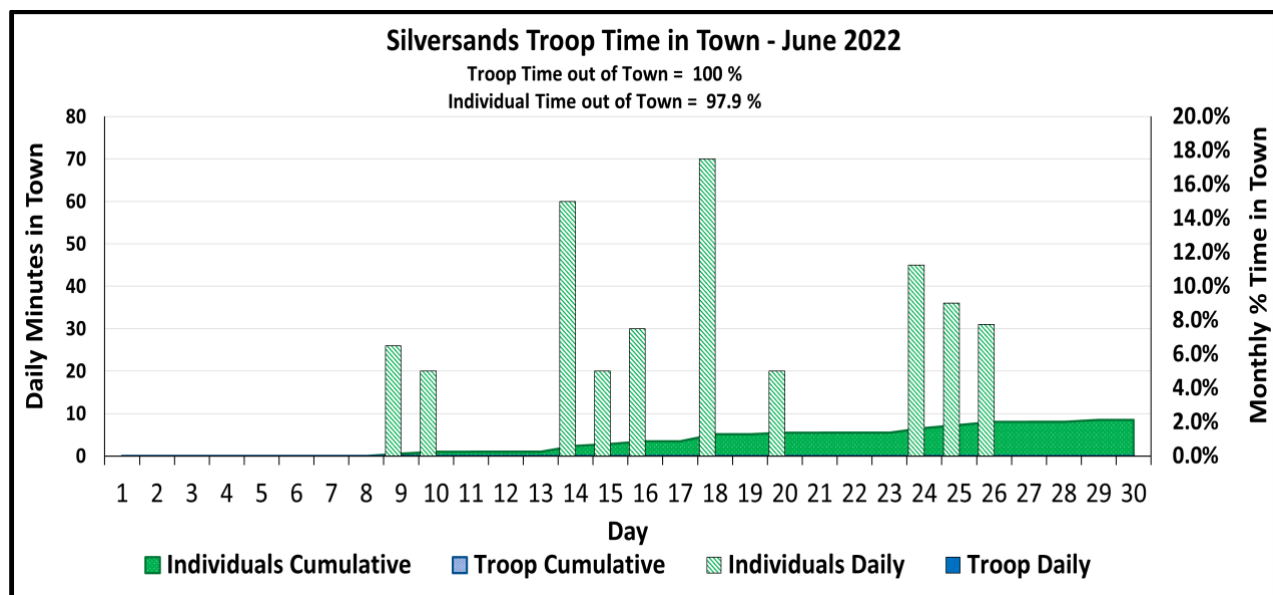
## 1.8 SILVERSANDS TROOP

### 1.8.1 IN TOWN STATISTICS

- The troop spent 100% of its time out of town this month.
- Time out of town by individuals decreased by 0.2% from May to June .

	% Out of Town	% Up or Down from Previous Month	Days Entered	Total Time in Town	Avg Time in Town per day	Max Daily Time in Town	Min Daily Time in Town
<b>Troop</b>	100.0	0.0	0	0:00	00:00	00:00	00:00
<b>Individuals</b>	97.9	- 0.2	10	6:18	0:34	01:10	00:20

**Table 5.1** In Town Statistics for the Silversands Troop for June 2022. Time is expressed in hours and minutes. Average daylength in June was 10 hours and 6 minutes.



**Figure 5.1** Troop and individual daily time (minutes) in town (bars), and monthly (area) percentage Time in Town by the Silversands Troop during June 2022.

### 1.8.2 NOTEWORTHY INCIDENTS

- Male baboons from the Silversands Troop continue to access the urban area, being observed in town on ten days during June.
- These two males were continually drawn to locations that have provisioned bird seed in the past, and some locations continued to do so during June. This repeat feeding of baboons confounded HWS efforts to discourage individual baboons from entering the urban area.

HWS: TROOP MONTHLY REPORT																																				
SECTOR										CLASSES OF BEHAVIOUR																										
OVERSTRAND										1	In urban area	4	Attacking pets	7	Threatening behaviour/ attacking/ stealing food																					
BABOON TROOP: Silversands										2	Raid bins	5	Unoccupied house or vehicle incursion	8	Breaking & Entering/Damaging property																					
MONTH: June YEAR: 2022										3	Non malicious damage	6	Occupied house or vehicle incursion	9	Nocturnal incursion																					
BABOON ID	Sex	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	28	29	30	TOTAL				
Troop																																				
SSM1 (short tail)										1	1						1	1							1	1										
SSM2																1											1									
UnID Males																																				
UnID Male																																				
UnID Sub-Male															1																					
UnID Females																																				
UnID Female																																				
UnID Individuals																																				
UnID Juveniles																																				
	%	TIME SPENT IN TOWN (Minutes)																												HRS						
Troop	0.0																													0.00						
Individuals	2.1									26	20					60	20	30		70								45	36	31		20		6.30		
Roost:	AM	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?			
Roost:	PM	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?			
Roost Sites	7	Unknown										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		28																						
ID Features of Baboons																																				
General remarks		Please note that numbers in red indicate non-urban raids or incursions. * Indicates individuals were seen in town but were not seen entering and/or leaving. These data were therefore estimated.																																		

Figure 5.2 The Silversands Troop incident sheet for June 2022.

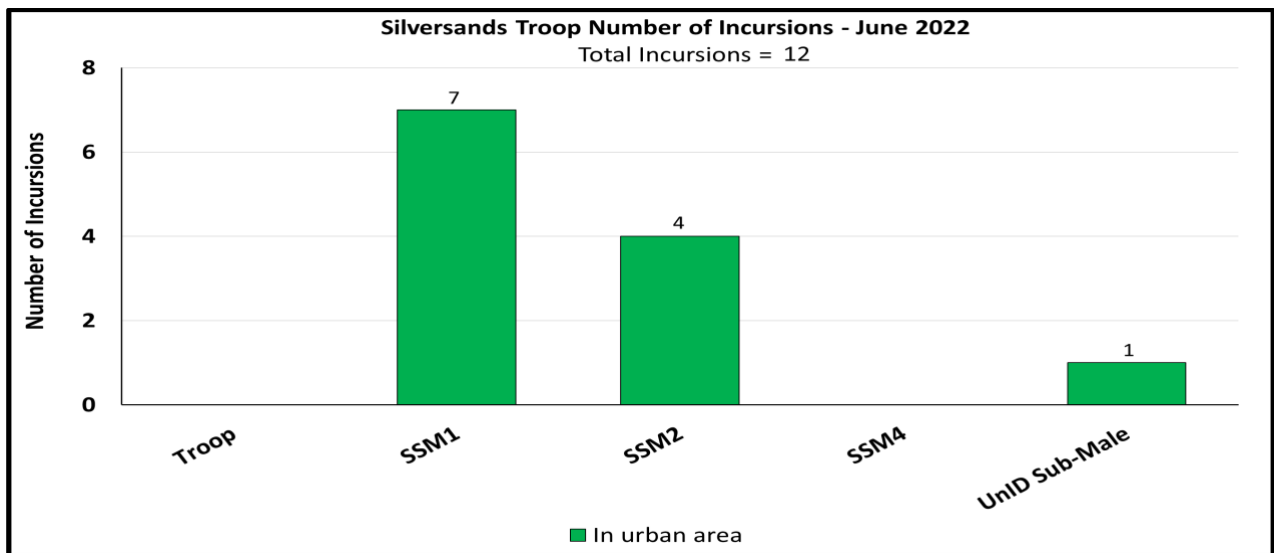


Figure 5.3 Number of incursions by the Silversands Troop and individuals during June 2022.

## 1.9 BETTY'S BAY TROOP

### 1.9.1 IN TOWN STATISTICS

- Troop time out of town remained static at 93% during June.
- Individual baboons time out of town decreased from 82.4% to 81.1% during June.

	% Out of Town	% Up or Down from Previous Month	Days Entered	Total Time in Town	Avg Time in Town per day	Max Daily Time in Town	Min Daily Time in Town
<b>Troop</b>	93.0	0.0	17	20:43	1:13	2:20	0:12
<b>Individuals</b>	81.1	-1.3	30	56:08	1:52	3:37	0:11

Table 6.1: In Town Statistics for the Betty's Bay Troop for June 2022. Time is expressed in hours and minutes. Average daylength in June was 10 hours and 6 minutes.

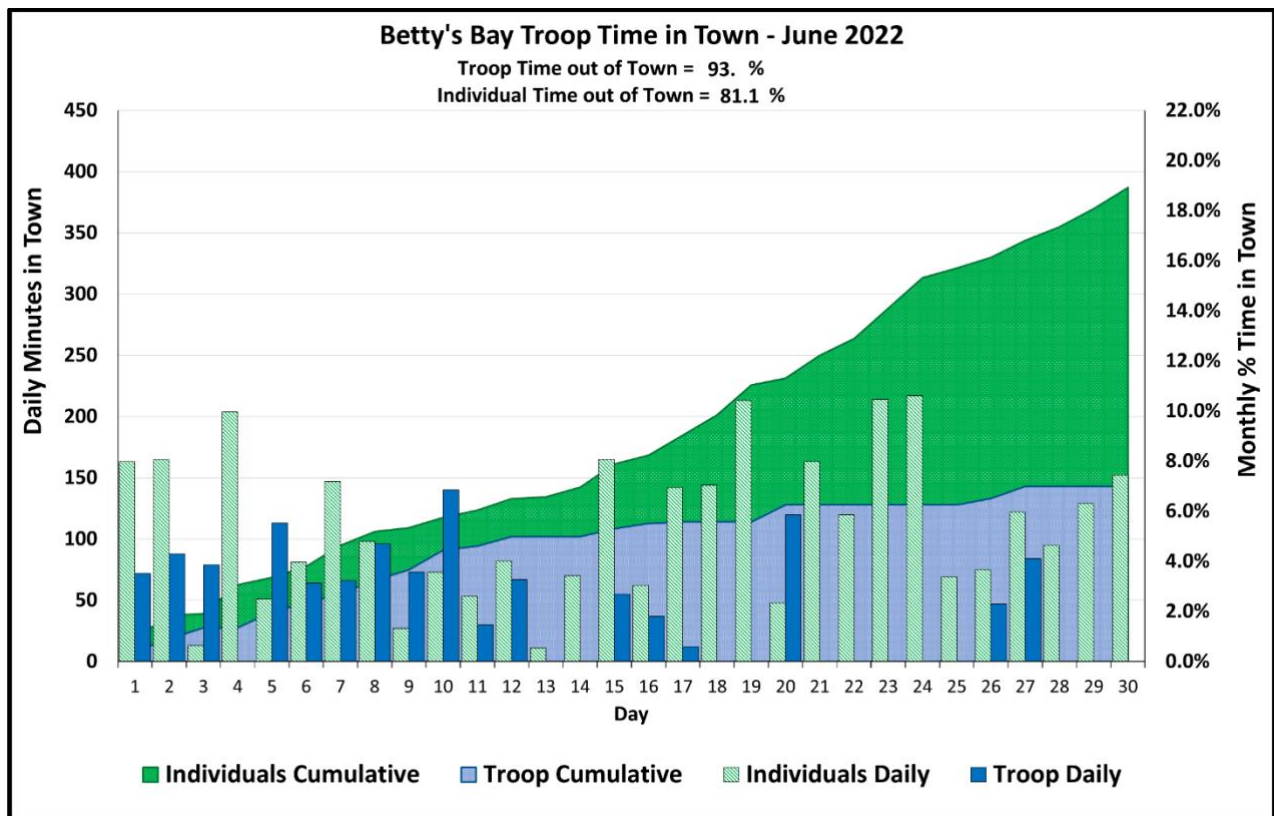


Figure 6.1 Troop and individual daily time (minutes) in town (bars), and monthly (area) percentage Time in Town by the Betty’s Bay Troop during June 2022.

**1.9.2 NOTEWORTHY INCIDENTS**

- A new-born infant was observed with the troop on 23 June.
- On 27 June, a member of the public reported a potential ingestion of a toxic compound by a female baboon. The toxic compound was located in an unsecured cupboard outside the residence. Whilst the resident did not directly observe the baboon ingesting the toxin, she said that she saw the open box outside the house when she returned from shopping. The female has been monitored since the event; no physical symptoms or abnormal behaviour has been observed.
- On 16 June a hotline call was received from very distressed hikers in Leopard Kloof regarding a male baboon accompanied by a female with an infant. The male raided food from the hikers, and repeatedly charged them. The male stopped following them when they left their opened backpack behind (on advice from the hotline). The backpack was later safely retrieved.

HWS: TROOP MONTHLY REPORT																																	
SECTOR		CLASSES OF BEHAVIOUR																															
OVERSTRAND		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	28	29	30	TOTAL	
BABOON TROOP:		BETTY'S BAY		1 In urban area		4 Altercation with pets		7 Threatening behaviour/ attacking/ stealing food		2 Raid bins		5 Unoccupied house or vehicle incursion		8 Breaking & Entering/Damaging property		3 Non malicious damage		6 Occupied house or vehicle incursion		9 Nocturnal incursion													
MONTH: June		YEAR: 2022																															
BABOON ID	Sex	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	28	29	30	TOTAL	
Troop		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	
BBM2	M	1	1,2	1		1	1	1,2	1	1	1,7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1,6	31		
BBM4 (sub-adult)	M	1	1	1,6	1	1,6	1,6,6	1,6	1,7	1,6	1	1	1	1	1	1,2	1,6	1,6	1,2,6	1,6,6	1,2	1	1	1	1,7	1	1	1	1	1	43		
BBF1	F																												7	1			
BBF2	F																																
Unid Male	M																																
Unid Females	F			1				1,2			1	1	1			1	1	1			1,6	1					1				13		
Unid Female	F	1	1		1,6		1			1		1,2	1			6	1	1,6	1	1,2		6		1	1					1,2	21		
Unid Individuals		1			1											1															3		
Unid Juveniles			1		1	1,2			1		1	1	1			6	1	1	1			1			1	1	1	1	1,6	1	1	19	
		TIME SPENT IN TOWN (Minutes)																												HRS			
Troop	%	7.0	72	88	79		113	64	66	96	73	140	30	67		55	37	12			120								47	84		20.72	
Individuals		18.9	163	165	13	204	51	81	147	98	27	73	53	82	11	70	165	62	142	144	213	48	163	120	214	217	69	75	122	95	129	152	56.13
Roost:	AM	1	16	8	2	1	8	2	6	1	1	17	17	1	1	1	6	2	1	1	1	1	17	1	1	1	3	1	9	1	1	1	
Roost:	PM	16	8	2	1	8	2	6	1	1	17	17	1	1	1	?	2	1	1	1	1	17	1	1	1	3	9	1	1	1	17		
Roost Sites		1 Disa Kloof      2 Leopard Kloof      3 Leopard Kloof Lower      4 Leopard Kloof Upper      5 Sunny Seas 6 Sunny Seas West      7 Sunny Seas East      8 Bass Lake      9 Bass Lake West      10 Bass Lake East 11 Jock's Bay      12 Zigzag      13 Church      14 Kleinmond Lookout      15 Kopje 16 Caltex      17 Waterfall      18 Unknown      19 Harold Porter Gardens      20 Palmiet 21 Kasteel Kop      22 Pimples      23 Isaacs River Kloof      24 Jean's Hill      25 Heuningklip 26 Sandown Peak      27 Three Sisters      28																															
ID Features of Baboons																																	
General remarks		Please note that numbers in red indicate non-urban raids or incursions.																															

Figure 6.2 The Betty's Bay Troop incident sheet for June 2022.

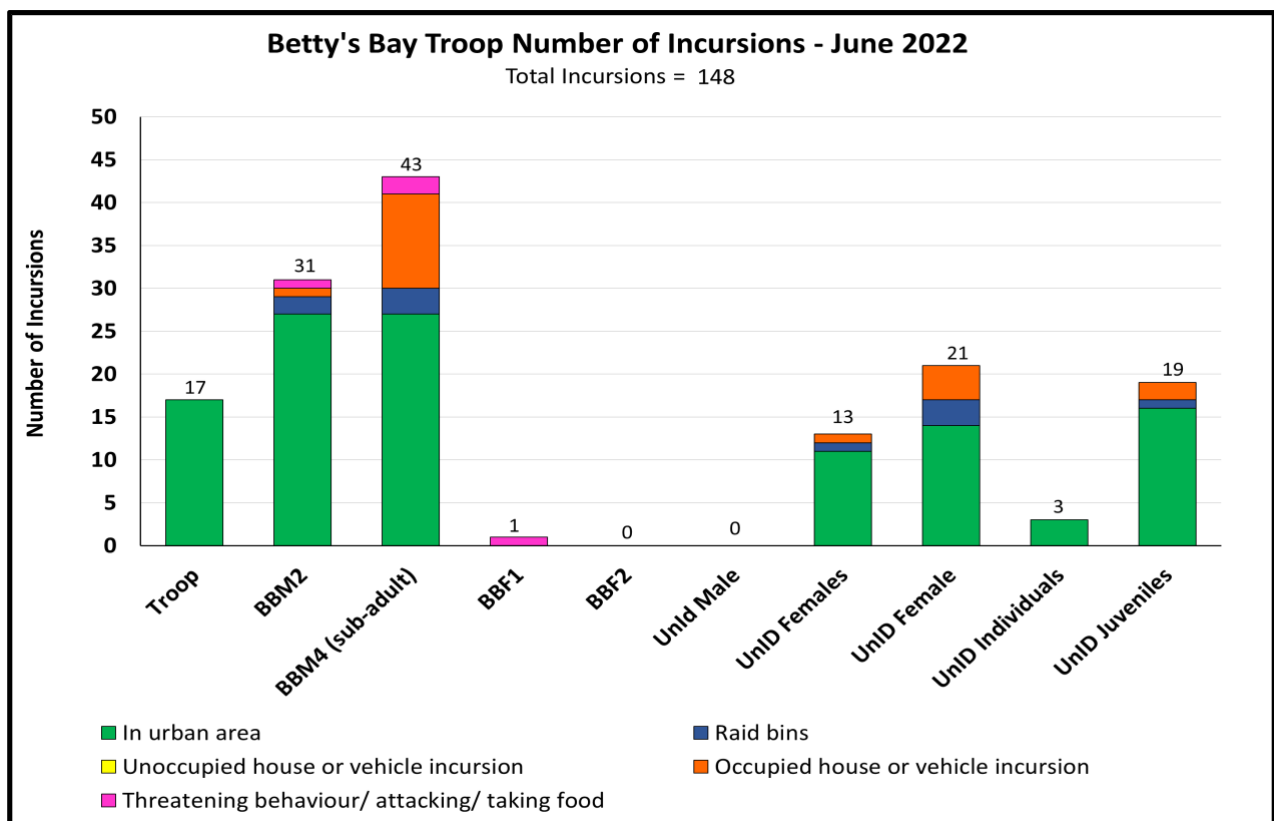


Figure 6.3 Number of incursions by the Betty's Bay Troop and individuals during June 2022.

### 1.10 BIRTHS, DEATHS & MIGRATIONS

- One birth was recorded in the Betty's Bay Troop in the western Overstrand during June. No deaths were recorded.

### 1.11 VIRTUAL FENCE USE

- In the Overstrand West region, the Virtual Fence was activated on 14 occasions during June.



## GENERAL COMMENTS – ALL TROOPS

### 1.12 POPULATION CHARACTERISTICS

During June the population of managed troops in the Overstrand remained stable, with one birth and one death recorded during the month. The annual count of the managed baboon population was conducted during June and is included in the table below (**Figure 7.1**). It should be noted that the counts for the Silversands Troop and the Onrus Troop are based on previous count data due to insufficient observations of the troops during the counting period. Several troops have experienced considerable growth over the past year, with the Voëlklip Troop and Hangklip Troop growing by ten and eight individuals respectively. Two troops, namely the Vogelgat Troop and the Pringle Bay Troop, saw a reduction in their numbers over the past year.

The fact that the Pringle Bay Troop lost seven animals requires some explanation. Firstly, the two older animals, PBF2 and PBM1, both died of old age. This was possibly hastened because they were living out of town in the Buffelstahl Dam catchment area and no longer had regular access to high energy human derived foodstuffs (HDF's). One female was killed by a leopard in the Rooiels River Valley. Then her juvenile son disappeared after following PBM2 on an excursion to Pringle Bay. Two babies died from infanticidal attacks. One of these was in town where there were four males vying for the attentions of four females. The seventh baboon was a juvenile which was shot by a resident with a pellet gun in Pringle Bay. Had the troop still been living in the dam catchment area, three of these deaths are unlikely to have occurred. The other four deaths were all natural.

Troop	October	June	June	June	June 2022			Total observed Births (1 July 2021 to 30 June 2022)	Total observed Deaths (1 July 2021 to 30 June 2022)	Total observed Migrations (1 July 2021 to 30 June 2022)
	2019	2020	2021	2022	Births	Deaths	Emigration / Immigration			
Voëlklip	29	29	27	37	0	0	0	6	0	-1
Vogelgat	N/A	22*	29	27	0	1	0	2	5	0
Onrus	N/A	N/A	25*	24*	0	0	0	0	1	0
Hamilton Russel	N/A	N/A	21*	25	0	0	0	0	1	0
Pringle Bay	16	16	17	14	0	0	0	2	7	+2
Betty's Bay	N/A	19	20	23	1	0	0	7	3	0
Hangklip	N/A	N/A	30	38	0	0	0	0	1	-1
Silversands	N/A	N/A	43	41*	0	0	0	0	1	-1
<b>Total</b>	<b>45</b>	<b>64</b>	<b>166</b>	<b>228</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>17</b>	<b>19</b>	<b>-1</b>

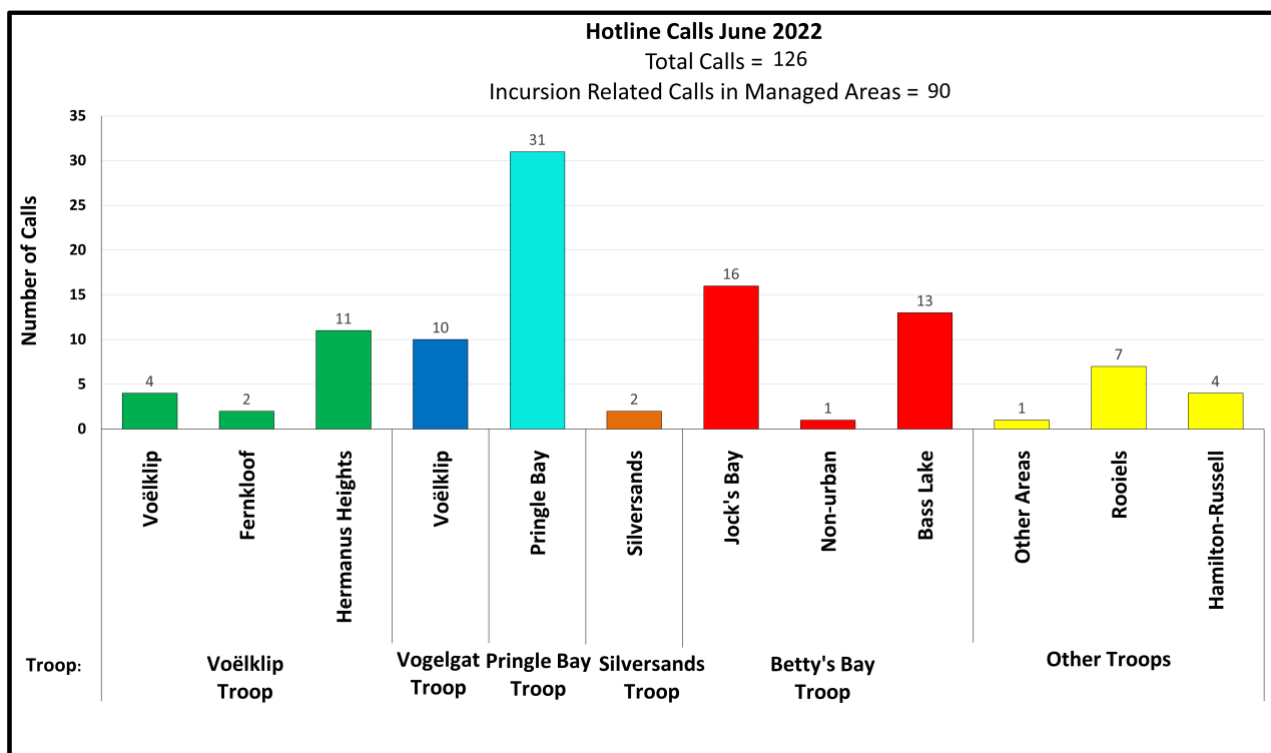
**Table 7.1:** Population data for the managed troops in the Overstrand in June 2022. Emigration /Immigration figures show animal movements between troops. \* Troop sizes were estimated, because they were not seen enough to get accurate counts. Note: Troop numbers are counted once a year in June. Troop numbers are not updated during the year by just counting births and deaths, because these may occur without being observed by field rangers.

Deaths	2019/20 (October – June)	2020/21 (July – June)	2021/22 (July – June)	June 2022	Total (Since October 2019)
Management	3	0	1	0	4
Human Induced (HID)	1	2	9	1	12
Direct *	1	2	8	1	11
Indirect **	0	0	1	0	1
Natural	2	7	7	0	16
Unknown	0	0	2	0	2
<b>Total Deaths</b>	<b>6</b>	<b>9</b>	<b>19</b>	<b>1</b>	<b>34</b>

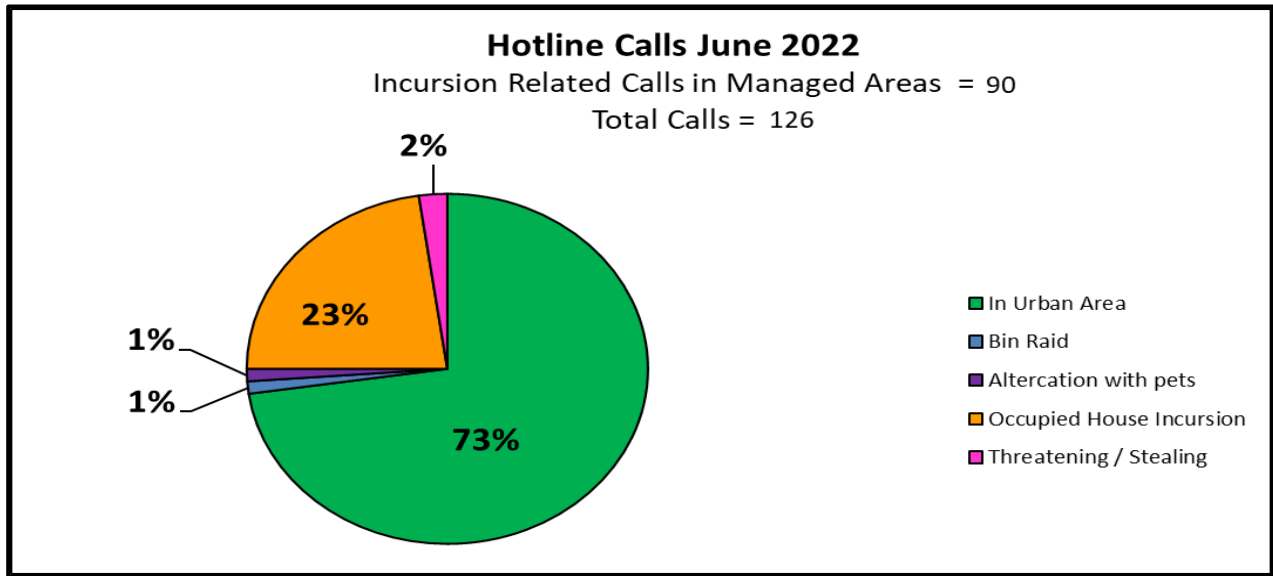
**Table 7.2:** Causes of baboon deaths since October 2019; \*Deaths caused directly by humans, such as motor vehicle accidents, shooting, poisoning and dogs. \*\*Deaths caused indirectly by humans such as electrocutions and fire.

### 1.13 HOTLINE DATA

Incursion related hotline calls in managed areas decreased from 120 to 90 during June 2022. The majority of calls came from Pringle Bay (n = 31) and Betty’s Bay (n = 30), together comprising just over 66% of all incursion related calls (**Figure 8.1**). It should be noted that the total number of hotline calls received during June decreased marginally from 139 to 126, with twelve calls received regarding other troops. There was a significant number of calls received from Rooiels concerning assertive and threatening behaviour around the Rooiels CBD including the raiding of a car containing passengers. The majority (73%) of hotline calls were made to alert HWS to the presence of baboons in the urban area (**Figure 8.2**).



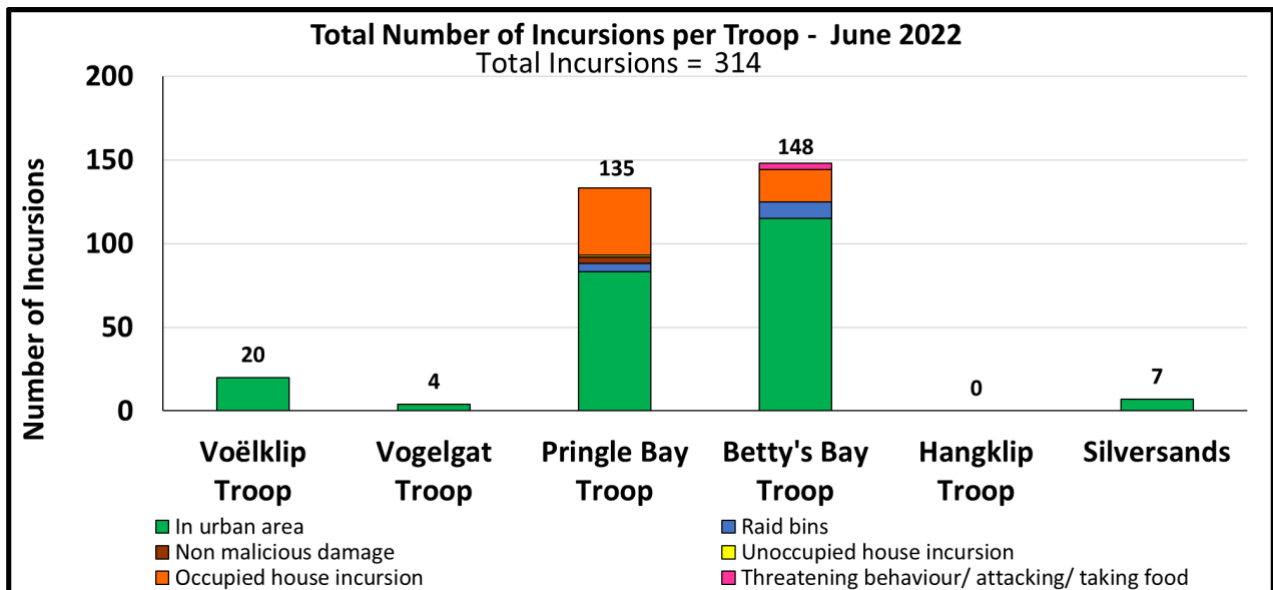
**Figure 8.1:** Hotline calls in baboon affected areas for June 2022. Incursion related hotline calls are calls reporting managed baboons in urban areas. Managed areas are those areas in which baboon troops are known to occur and are actively managed.



**Figure 8.2:** Composition of incursion-related hotline calls during June 2022. **Note:** This chart represents the composition of hotline calls, not the composition of known incursions by baboons.

### 1.14 RECORDED INCURSIONS

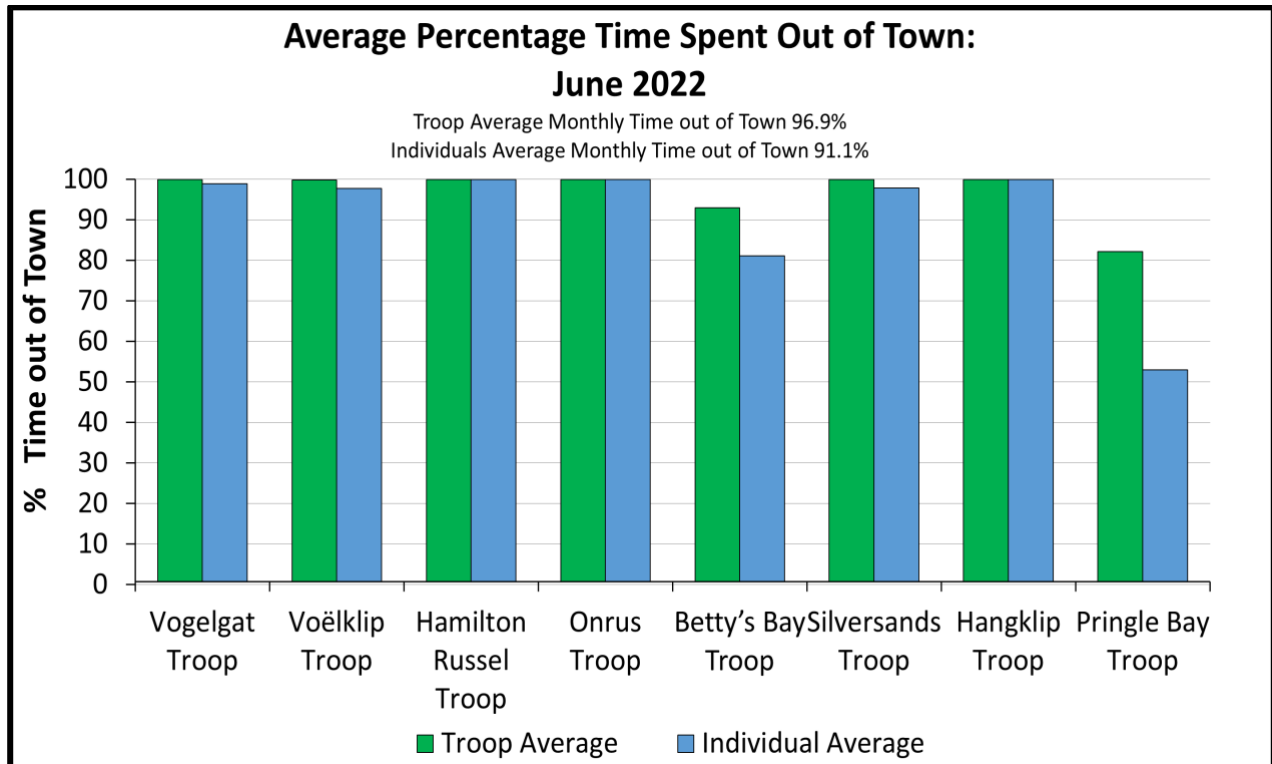
The total number of incursions increased significantly over the course of the month, from 263 during May to 314 during June (**Figure 9.1**). This increase is attributed largely to members of the Pringle Bay Troop spending a prolonged period of time in town. Individuals from the Pringle Bay Troop were present in the urban area on 25 days during June. As with previous months, the vast majority of the assertive incursions recorded in the Pringle Bay Troop were made by PBM2 ( $n = 23$ ). Significantly, the number of threatening incursions recorded by the Pringle Bay Troop reduced to zero during June. Betty’s Bay also observed an increase in the number of incursions recorded during the month, from 127 to 148. In the eastern Overstrand there was an increase in the number of incursions by the Voëlklip Troop in June, with incursions increasing from 13 to 20 despite both the troop and individuals recording less time in town during June than in May.



**Figure 9.1** Total observed incursions per troop during June 2022. **Note:** Observed incursions are not hotline related, but are incursions observed by HWS Field Staff.

## 1.15 PERCENTAGE TIME OUT OF TOWN

During June, the average time out of town by troops increased from 92.7% to 96.9% (Figure 10.1). The increase in the time spent out of town is primarily due to the Pringle Bay Troop spending less time in the urban area, however both the Vogelgat and Voëlklip Troops spent more time out of town during June than in the previous month thereby contributing to the increased average troop time out of town. Conversely, the average individual time out of town decreased from May to June, from 94.6% to 91.1%. This is certainly due to several members of the Pringle Bay Troop spending prolonged periods of the month in the urban area.



**Figure 9.2** Percentage time the managed baboon troops and individuals spent out of town during June 2022.

## 1.16 RECOMMENDATIONS

- **Waste and recycling collection should be prioritised** to take place in the early mornings.
- Residents should not put out their waste the night before collection day.
- All bins used in baboon effected areas should be **baboon-proof and locked**.
- Additional **baboon awareness** campaigns focused on tourists during holiday seasons would be beneficial.
- Baboon-proof bins are required throughout the western region of the Overstrand. Betty's Bay should be regarded as a high priority area because there are very few baboons proof bins in place. It is stipulated in the Overstrand Waste Management Bylaw that residents must use baboon proof bins in baboon effected areas.
- **Refuse bags** should not be left lying open on the sidewalk and easily available to baboons.
- Ripening **fruit on fruit trees** in baboon-affected areas should be harvested to remove the attractant for baboons.
- **Open vegetable gardens** should be baboon proofed.

- Residents are strongly discouraged from feeding wildlife, including birds. The volume of bird seed provisioned is often so large that individual baboons are observed leaving feeding locations with cheek pouches full of bird seed (**Figure 10.1**). The volume of bird seed in their cheek pouches is probably more than sufficient to provision a baboon for a whole day.
- Residents are encouraged to record and report the feeding of wildlife to the municipality, CapeNature, or to the baboon hotline (072 028 0008).
- All baboon troops which have not been radio collared need to be collared to facilitate management. Regular recordings of baboons at the same residences in town will also indicate sites which are likely feeding baboons. This will be particularly relevant for males in the Silversands Troop.
- There should be a minimum of one collar per troop throughout the Overstrand.



**Figure 10.1** Screenshot of footage depicting two adult females of the Betty's Bay Troop consuming bird seed provisioned by a resident of Betty's Bay. Note the bulging cheek pouches.

## **CONCLUSION**

During June all the troops in the eastern Overstrand remained out of the urban area, with a limited number of individuals entering town during the month. This is remarkable when one considers that June is mid-winter when days are short and natural food supplies are at a premium. When one compares this to the behaviour of the previous year it is apparent that there has been a significant reduction in the number of assertive incursions recorded by both the Voëlklip and Vogelgat Troops, with no raiding behaviour observed by HWS staff during June. Worryingly, a hotline report was received from a resident of Voëlklip on 30 June reporting that a male baboon gained access to their house by breaking a sliding door. Hopefully this was a one-off event, but HWS will keep a close watch to determine whether this could become a learned behaviour.

The R43 continued to be a dangerous area for members of the Vogelgat Troop with another individual fatally struck by a motor vehicle during June. Since HWS took over the management of the Vogelgat Troop four baboons have been killed in collisions with motor vehicles along this stretch of road. Installing much larger signs indicating the presence of baboons crossing should help to reduce the number of fatalities along this section of road.

In the western Overstrand, management efforts experienced a set back with the return of the Pringle Bay Troop to the urban area. The dispersing Hangklip male, HKM1, has been resident in and around Pringle Bay since October last year. As such he has become an additional attractant to the Pringle Bay females to return to town. The sub-adult male, PBM2, has made regular attempts to access Pringle Bay since June 2021. He almost invariably tried to solicit some females or juvenile baboons to join him on his attempts to return to Pringle Bay. As such there were always strong incentives for some baboons to return to Pringle Bay, apart from the knowledge that there was a large supply of high energy HDF's there for them. It was therefore almost inevitable that the majority of the troop returned to the urban area on 22 June.

The Betty's Bay Troop showed little change in their behaviour when compared to previous months. However, the provisioning of food to birds/wild animals has become very prominent in Betty's Bay and Silversands. Whether this provisioning is specifically for birds or baboons is uncertain, however it has definitely become a food source which baboons regularly seek out during their visits to town (Figure 10.1). This feeding is not helping the baboons, and is clearly exposing them to the dangers of foraging in town, namely dogs, cars, pellet guns, and poisons. Over the past year baboons in Pringle Bay and/or Betty's Bay have died from all of these causes. Without this supplementary feeding it would be much easier to keep the baboons out of town and avoid these painful deaths.

The annual population count was completed during June. The most notable trends were the large increases in the sizes of the Voëlklip (10) and Hangklip (8) Troops, as well as the reduced size of the Pringle Bay Troop (4). It is likely that increased access to agricultural land in the Hemel-en-Aarde valley north of Hermanus contributed to the sudden increase of the Voëlklip Troop. Similarly, the abundance of invasive *Acacia cyclops* in the Hangklip Conservancy has possibly supported the growth of the Hangklip Troop. This degree of population growth poses challenges to future management and should be monitored closely. In order to mitigate challenges associated with this rapid increase in population it is advisable that long-term management interventions, such as contraception, should now be considered.

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