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# **Human Wildlife Solutions**

## **Overstrand**

**Monthly Report**

**November 2022**

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## **INTRODUCTION**

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

In the Overstrand East, both the Voëlklip and Vogelgat Troops were absent from town during November. Whilst individuals from the Voëlklip Troop did enter the urban area, only one occupied house incursion was recorded over the month. The rest of the troop utilised the vegetation in Fernkloof Nature reserve and its immediate surroundings. Further east, the Vogelgat Troop ranged from the Hermanus Yacht Club to the mountains directly north of Stanford. November was the second consecutive month that the Vogelgat Troop was absent from the urban area.

In the Overstrand West, individuals from the Betty's Bay Troop spent significantly more (10.1%) time in the urban area during November. Symptomatic of this increased time in town, a juvenile baboon was shot with a pellet gun and had to be euthanised because of its injuries. This is the second baboon to die from a pellet gun injury this year.

Additionally, there was a rise in the level of conflict between the two adult males in the Betty's Bay Troop, with BBM4 asserting his dominance amongst troop members. One such incident resulted in a juvenile baboon sustaining a fractured arm. The juvenile was captured and received veterinary treatment for a few days. This same individual was previously captured and treated for injuries sustained in a collision with a vehicle during October. These injuries (shooting and vehicle accident) both highlight the dangers to baboons of being in the urban area.

In Pringle Bay there was an increase in the number of incidents of adult male baboons threatening or stealing food directly from humans. Furthermore, HKM3, an adult male from the Hangklip Troop, left his troop after a big fight with some of the other males, and joined the Pringle Bay Troop. This brought the number of adult males now residing in or around Pringle Bay to six. This extraordinary number of adult males, most of whom are well known for their highly assertive raiding behaviour, could pose a significant risk given the expected influx of baboon unaware tourists during the festive season.

Elsewhere in the Overstrand West, the Hangklip Troop continued to remain out of urban area, foraging in the sandveld and along the coast. Unfortunately, because HKM3 joined the Pringle Bay Troop, the Hangklip Troop now lacks a collar. This could have a significant impact on management in the coming months because the field staff will no longer be able to predict the movements of the troop and set up the Virtual Fence in order to prevent it from accessing the urban area. The Silversands Troop was not present in the urban area during the month however males from the troop engaged in several incursions into town.

## OVERSTRAND EAST TROOPS

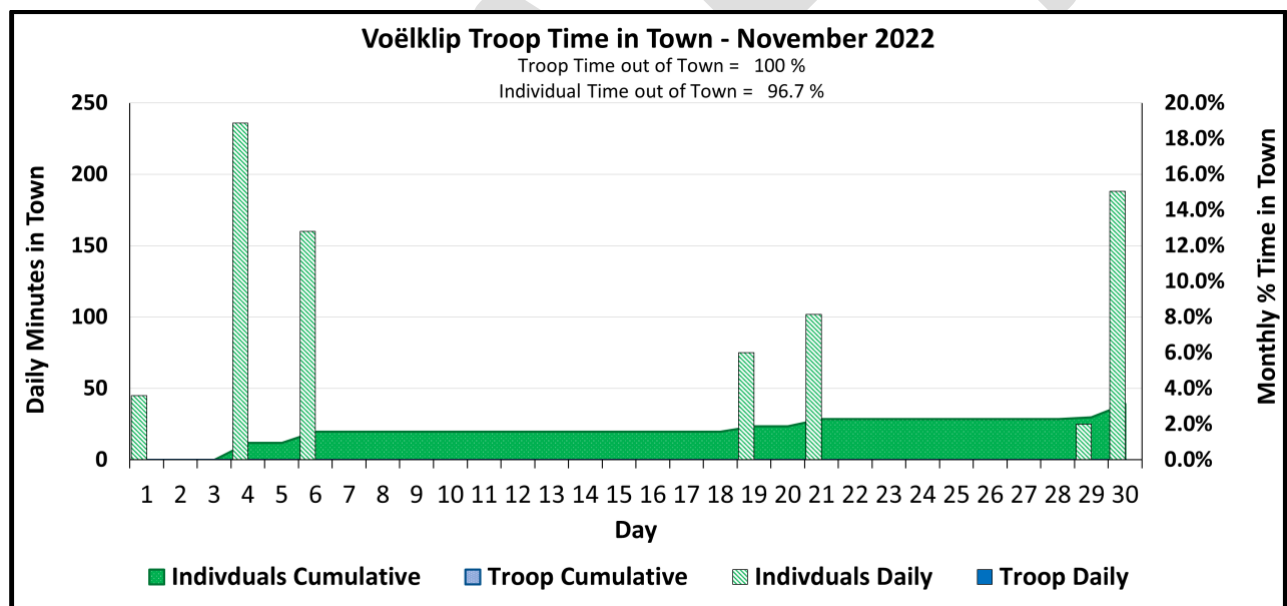
### VOËLKLIP TROOP

#### 1.1.1 IN TOWN STATISTICS

- Troop time out of town remained at 100% during November. This is the second consecutive month that the troop has been absent from the urban area.
- Time out of town for individuals increased from 91.3% in October to 96.7% during November.

	% 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>	96.7	+ 5.4	7	13:51	1:58	03:56	00:25

**Table 1.1** In Town Statistics for the Voëklip Troop during November 2022. Time is expressed in hours and minutes. Average daylength in November was 13 hours and 54 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 November 2022.

#### 1.1.2 NOTEWORTHY INCIDENTS

##### 1.1.2.1 HERMANUS HEIGHTS & GOLF COURSE

- Individual baboons from the Voëklip Troop entered Hermanus Heights on only one day during November, despite using the Erica Close and Heights Dam sleep sites on several nights during the month.

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: Voëlklip		VOËLKLIIP		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: November		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																																		
VGM1 BLUE TAG	M																																	
UNKM1	M				1		1,2																							1	1	5		
VKF4 YELLOW TAG	F																																	
VKF5 RED TAG	F				1,6		1,2														1													
VKF1 GREEN TAG	F																																	
VKF6 ORANGE TAG	F																																	
VKF7 PINK TAG	F																														1,6	2		
UnID Male	M																																	
UnID Males	M																																	
UnID Females	F	1			1																		1									3		
UnID Female	F	1			1																		1							1	1	3		
UnID Individuals							1																							1	1	3		
UnID Juveniles																																		
Troop		%		TIME SPENT IN TOWN (Minutes)																													HRS	
Troop		0.0																															0.00	
Individuals		3.3		45			236		160													75							102			25	188	13.85
Roost:	AM	5	5	15	21	9	24	24	2	4	4	5	4	2	2	24	2	2	4	8	9	4	21	2	5	23	22	3	5	9	14			
Roost:	PM	5	15	21	9	24	24	2	4	4	5	4	2	2	24	24	2	4	8	7	4	21	2	23	23	22	3	5	9	14	7			
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 Blaas 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		7 Unknown		
ID Features of Baboons																																		
General remarks																																		

Figure 1.2: The Voëlklip Troop incident sheet for November 2022.

1.1.2.2 VOËLKLIIP & FERNKLOOF

- Individuals were recorded in Voëlklip on four days, and in Fernkloof on two days, during November.
- During an incursion into the urban area VKF7 and several unidentified females entered the OK Supermarket on 30 November. This was reported via the Baboon Hotline.

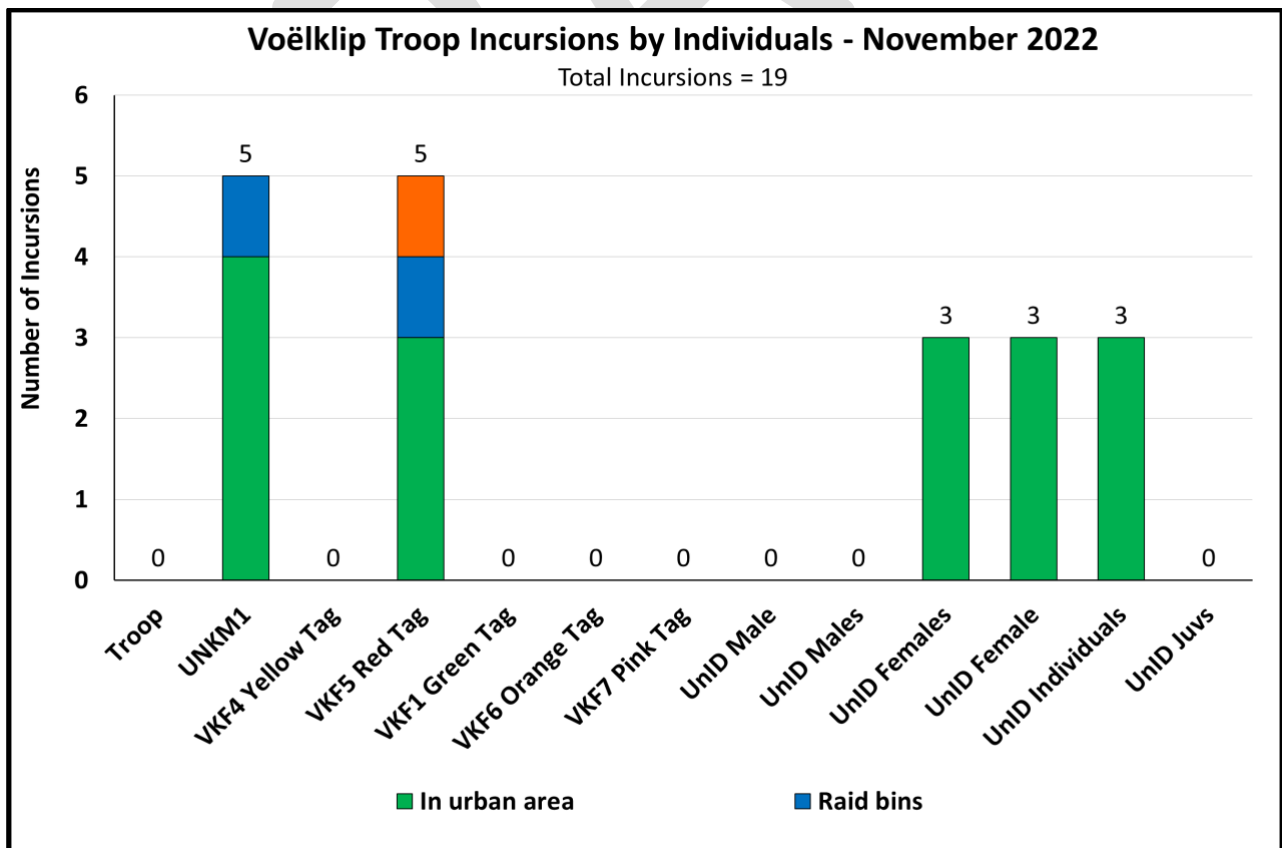


Figure 1.3 Number of incursions for the Voëlklip Troop and individuals during November 2022.

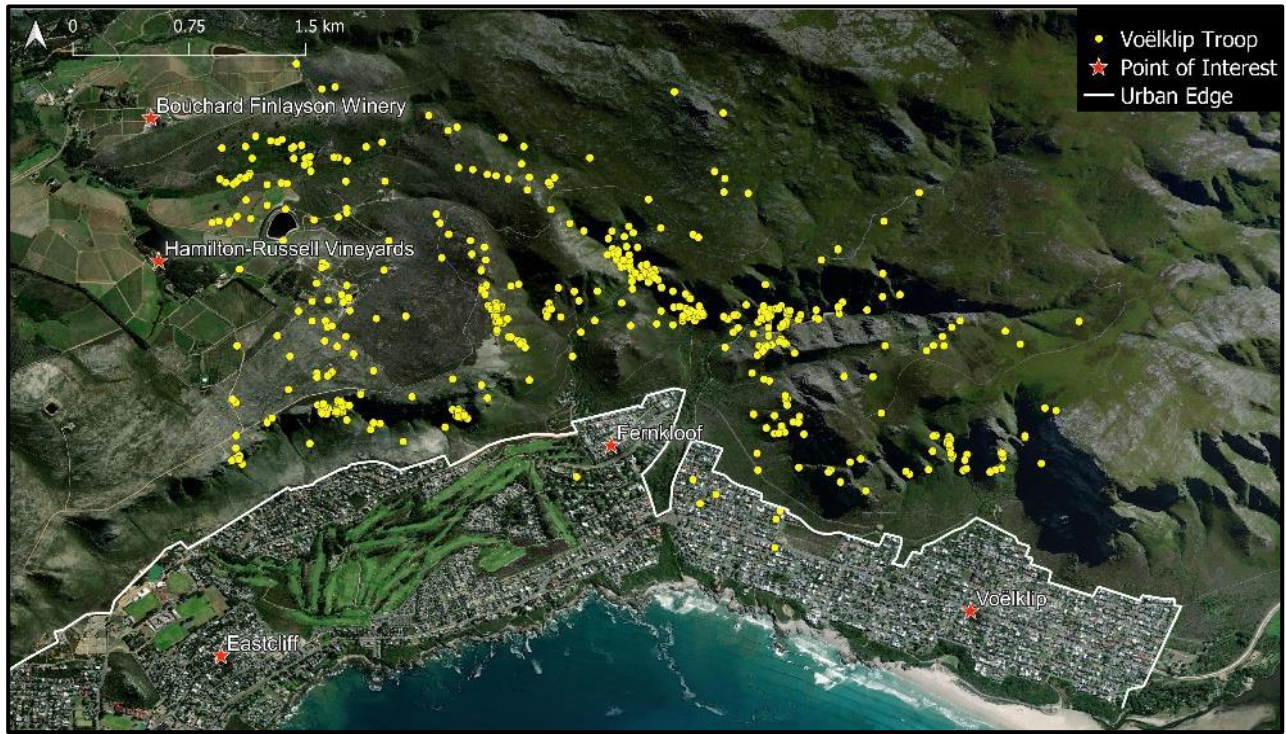


Figure 1.4 Map showing the GPS locations of VKF7 in the Voëlklop Troop during November 2022.

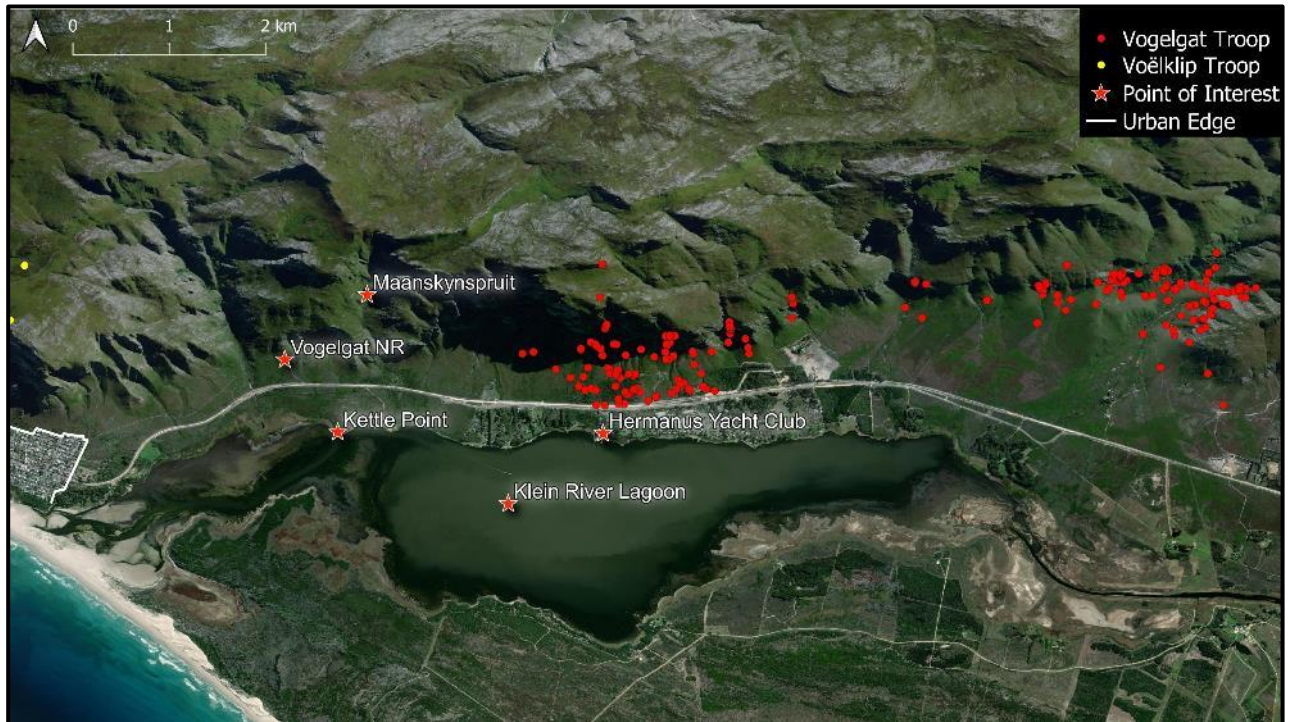
## VOGELGAT TROOP

### 1.1.3 IN TOWN STATISTICS

- Time out of Town for the Troop remained at 100% during November. November is the second consecutive month that the Vogelgat Troop has been absent from the urban area.
- Time out of town for individuals remained at 100% during November.

	% 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	0:00	0:00	0:00
<b>Individuals</b>	100.0	0.0	0	0:00	0:00	0:00	0:00

Table 2.1 In Town Statistics for the Vogelgat Troop during November 2022. Time is expressed in hours and minutes. Average daylength in November was 13 hours and 54 minutes.



**Figure 2.4** Map showing the location of VGM3 from the Vogelgat Troop during November 2022.

#### **1.1.4 NOTEWORTHY INCIDENTS**

- The Vogelgat Troop spent the majority of its time in the vicinity of the Hermanus Yacht Club and further east in the mountains north of the R43.
- VGM3 continued his dynamic association with the troop, leaving and re-joining the troop throughout the month.

#### **ONRUS TROOP**

- The Onrus Troop was reported at Leopard Rock Estate via the Baboon Hotline on one day during November.

#### **HAMILTON RUSSEL TROOP**

- There were no observations of the Hamilton-Russel Troop during November.

#### **BIRTHS, DEATHS & MIGRATIONS**

- No births or deaths were observed in the eastern Overstrand during November.

#### **VIRTUAL FENCE**

- In the Eastern Overstrand, the Virtual Fence was activated on one day during November for the Vogelgat Troop.

## OVERSTRAND WEST TROOPS

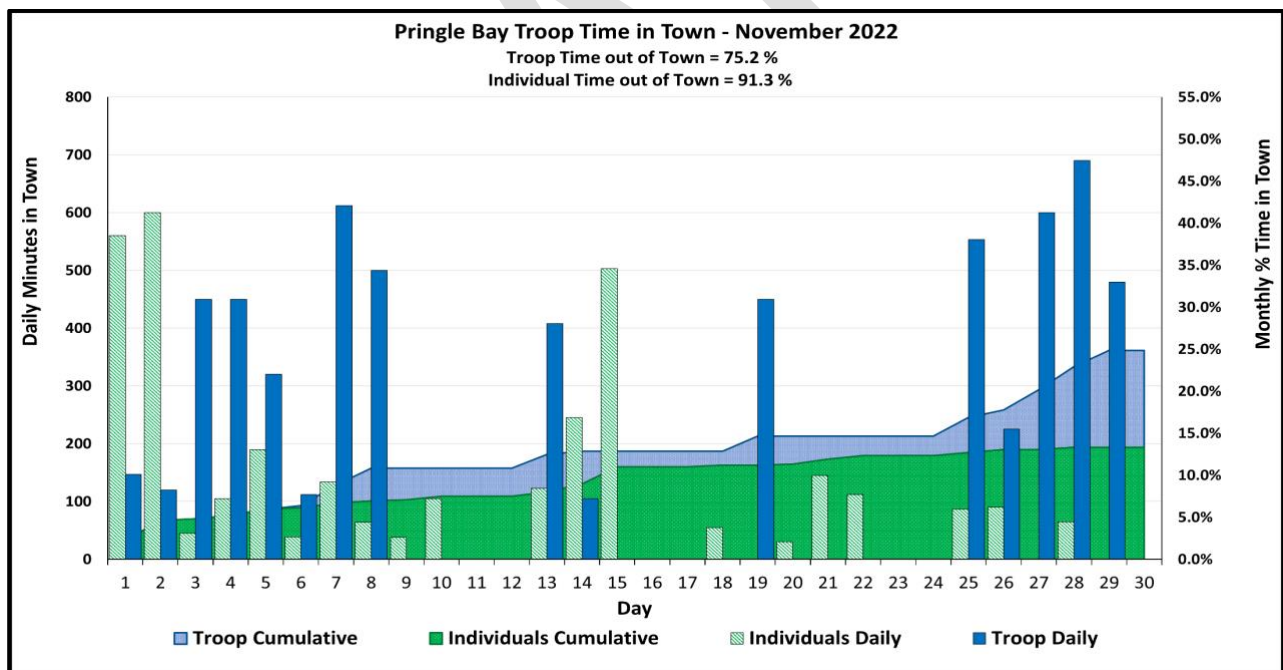
### PRINGLE BAY TROOP

#### 1.1.5 IN TOWN STATISTICS

- The time spent out of town by the Pringle Bay Troop decreased by 9.7% during November, from 84.9% to 75.2%.
- Time out of town by Pringle Bay Troop individuals increased with individuals spending 91.3% of their time out of town during November. Note that this reduction is largely a function of the increased troop time in town.

	% 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>	75.2	- 9.7	16	103:42	6:28	11:30	1:45
<b>Individuals</b>	91.3	+ 9.7	25	36:18	1:27	10:00	0:30

**Table 3.1** In Town Statistics for the Pringle Bay Troop during November 2022. Time is expressed in hours and minutes. Average daylength in November was 13 hours and 54 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 November 2022.

#### 1.1.6 NOTEWORTHY INCIDENTS

- PBM3 was involved in an altercation with a dog on 6 November. PBM3 sustained no injuries however the dog received a minor laceration on its leg as a result of the conflict.
- PBF5 and PBF6 both gave birth to infants on 7 November. PBF1 is also suspected to be pregnant.



- HKM3 began associating with the Pringle Bay Troop on 21 November. This occurred after the Pringle Bay Troop and Hangklip Troops were in close proximity for several days during the middle of the month, in the area around the Hangklip Hotel.
- Several of the males sustained minor injuries during November due to increased intramale conflict. All these he injuries appeared to be superficial and healed quickly.
- Eight instances of food being taken directly from humans were recorded during the month; four by BTM1, three by REM1, and one by HKM1. The most notable incident occurred when BTM1 attempted to snatch a loaf of bread from a young female resident, making contact with her in the process.

HWS: TROOP MONTHLY REPORT																																
SECTOR		CLASSES OF BEHAVIOUR																														
OVERSTRAND		1 In urban area														4 Attacking pets				7 Threatening behaviour/ attacking/ stealing food												
PRINGLE BAY		2 Raid bins							5 Unoccupied house or vehicle incursion							8 Breaking & Entering/Damaging property																
MONTH: November		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	M	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	15	
PBM2	M	1,6,6			5		1								6	1,6	1	1,6	1,6	6	1					1	1,6,6		1,6,6	1	1	29
PBM3	M						3	1																							2	
UKM2	M	1												1			1	1	1	1	1										7	
BTM1(Blue tag)	M	1	1	1,7	1,7	1			1,2				1	1			1,7,7	1	1		1	1	1	1	1	1	1	1	1	1	26	
HKM1	M	1					1	1						1															1	1	10	
HKM3	M																														3	
REM1	M	6	1,6	1	1,6	1		1,7	1,6					1					1,6,6		1,6,7	1,7	1	1,6				6,6	1,6	1	277	
PBF1	F		1			1,6,6,6								6													1	6,6	6	1	11	
PBF4	F																			1											1	
PBF5	F																															
PBF6	F																			1,6											2	
UnID Male																															1	
UnID Females			6																												10	
UnID Female		1		1	1,6,6			1						1	1											1			6	1	10	
UnID Individual									1					2,6						2						6	1	1	1	1	10	
UnID Juvenile																													6		1	
UnID Juveniles			1,6			1,6																					1,6	1	6		9	
%		TIME SPENT IN TOWN (Minutes)																												HRS		
Troop		24.8	147	120	450	450	320	112	612	500				408	105																103.70	
Individuals		8.7	560*	600	45	105	190	39*	134	64	38	105		123	245	503*	*	*	55*	*	30	145	112	*	*	553	225	600	690	480	36.30	
Roost:	AM	1	1	1	1	1	1	1	1	5	4	2	2	2	5	5	10	10	10	10	10	10	10	10	10	2	2	2	2	2	2	
Roost:	PM	1	1	1	1	1	1	1	5	4	2	2	2	5	5	10	10	10	10	10	10	10	10	10	2	2	2	2	2	2	2	
Roost Sites	1	Professor	2	Hangklip	3	Axel Kop	4	Pringle Peak	5	Lemoenkop	6	Panel Beaters	7	Valley	8	Stink Kop	9	Waldos Farm SS1	10	Waldos Farm SS2	11	Peter's	12	Boulders	13	Buffels Dam 1	14	Buffels Dam 2	15	Buffels Dam 3		
	16	Panel Beaters	17	Concrete House	18	Gullies	19	Rooiels 1	20	River Ridge	21	Mountain Top	22	Rooiels 2	23	Quarry SS	24	Groot Sloop SS	25	Waterworks	26	Pringle Bay Urban Area	27	Rooiels Estuary	28	Upper Rooiels River	29	Rooielsberg	30	Rooiels Spire		
	31	Seafarm	32	Unknown																												
	Please 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.																															
	ID Features of Baboons																															
	General remarks																															

Figure 3.2 The Pringle Bay Troop incident sheet for November 2022. \* Individual was not observed either entering or leaving town. Time in town was therefore estimated.

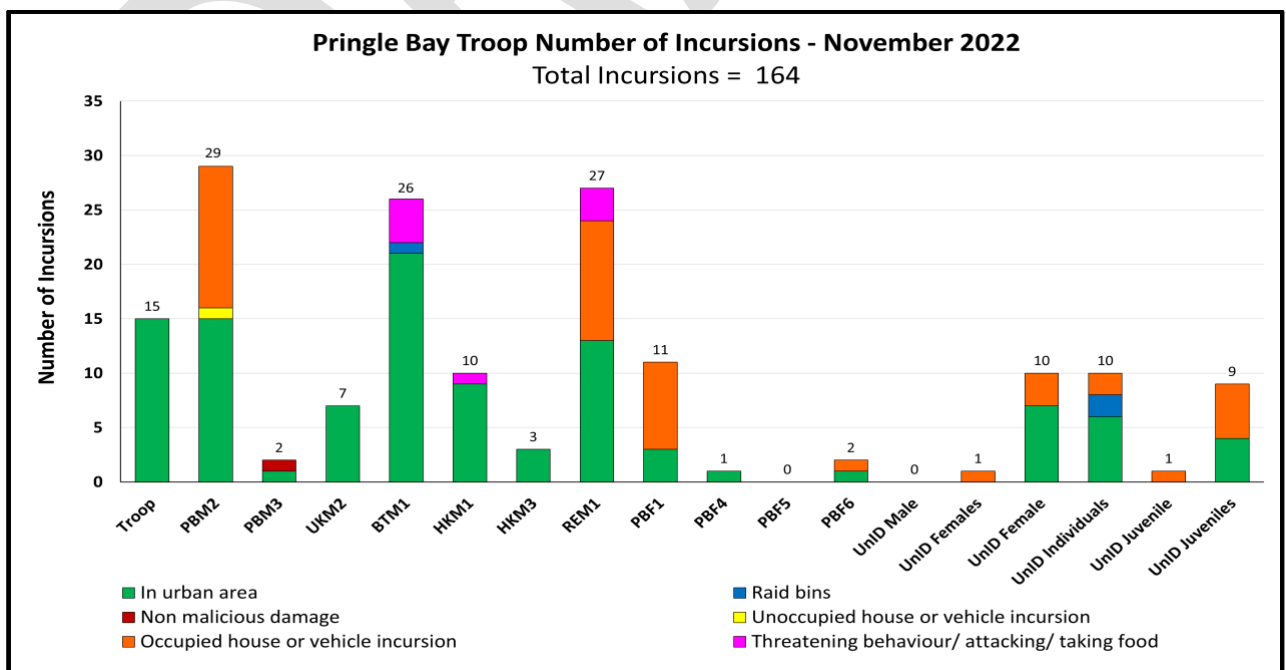
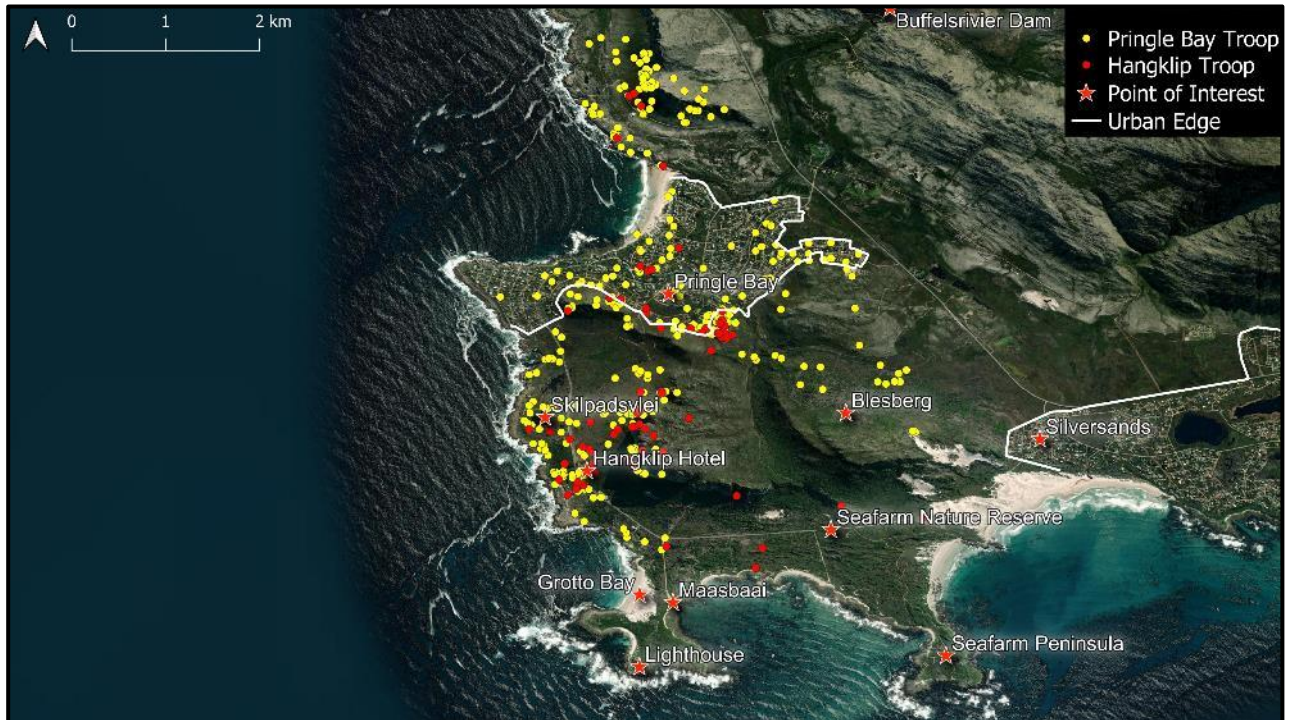


Figure 3.3 Number of incursions for the Pringle Bay Troop and individuals during November 2022.



**Figure 3.4** Map showing the GPS locations of PBF1 in the Pringle Bay Troop (Yellow) and HKM3 in the Hangklip Troop (Red) during November 2022.

## HANGKLIP TROOP

### 1.1.7 IN TOWN STATISTICS

- November was the thirteenth consecutive month that no time in town was recorded for the Hangklip Troop.
- Individual time out of town remained at 100% as no individuals from the Hangklip Troop were recorded in the urban area during November. It should be noted that HKM3 entered the urban area, however HKM3 was associating with the Pringle Bay Troop at the time.

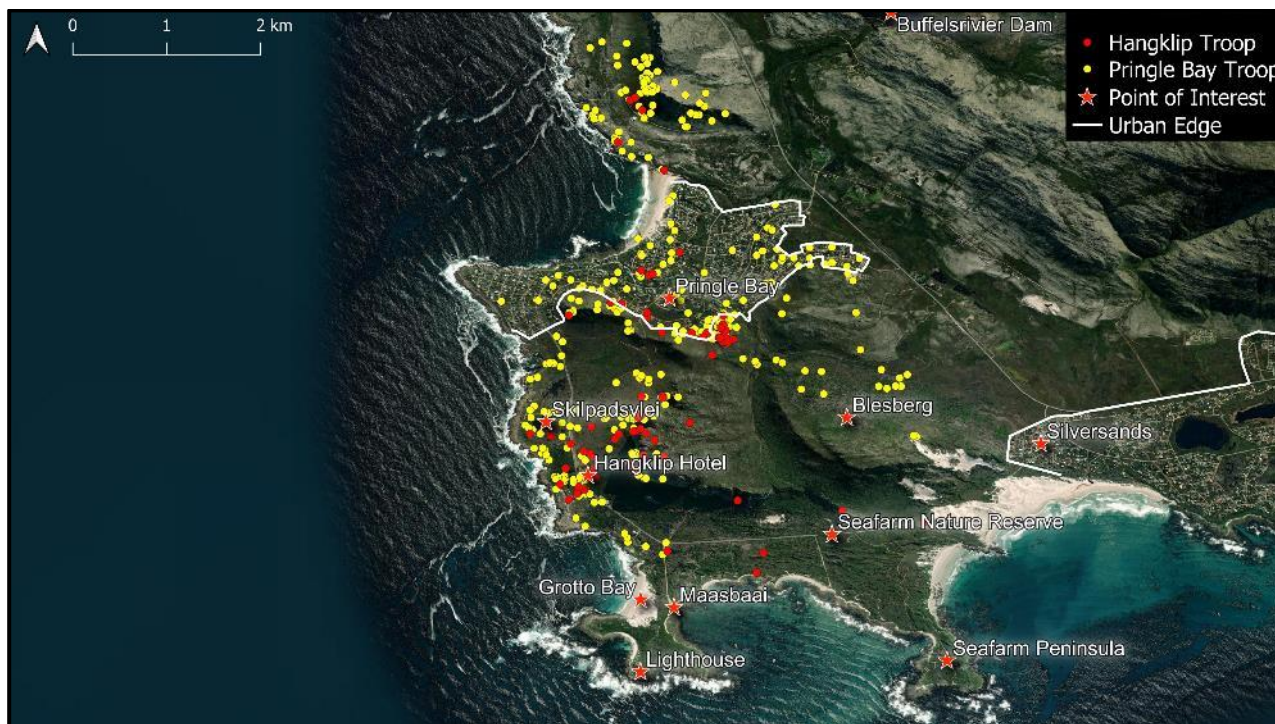
	% Out of Town	% Up or Down from Previous Month	Days Entered	Total Time in Town	Avg Time in Town per day	Max Daily Time in Town	Min Daily Time in Town
<b>Troop</b>	100.0	0.0	0	0:00	00:00	00:00	00:00
<b>Individuals</b>	100.0	0.0	0	0:00	00:00	00:00	00:00

**Table 4.1** In Town Statistics for the Hangklip Troop during November 2022. Time is expressed in hours and minutes. Average daylength in November was 13 hours and 54 minutes.

### 1.1.8 NOTEWORTHY INCIDENTS

- No incursions were recorded by the Hangklip Troop during November.
- During November, the collar attached to HKM3 sustained damage suspected to have occurred during intra-troop conflict. As a result, only a limited number of locations were recorded during November.
- HKM3, the collared male in the Hangklip Troop, emigrated to the Pringle Bay Troop on 21 November.

- On 21 November an adult female was observed carrying a deceased infant on the Maasbaai road.



**Figure 4.2** GPS locations of HKM3 in the Hangklip Troop and latterly the Pringle Bay Troop (Red) and PBF1 in the Pringle Bay Troop (Yellow) as determined by their GPS collars during November 2022.

## SILVERSANDS TROOP

### 1.1.9 IN TOWN STATISTICS

- Troop time out of town increased from 98.7% in October to 100% during November.
- Time out of town by individuals increased by 0.1% from 96.5% in October to 96.6% in November.

	% 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	+ 1.3	0	0:00	00:00	00:00	00:00
<b>Individuals</b>	96.6	+ 0.1	12	14:24	1:12	04:10	00:20

**Table 5.1** In Town Statistics for the Silversands Troop for November 2022. Time is expressed in hours and minutes. Average daylength in November was 13 hours and 54 minutes.

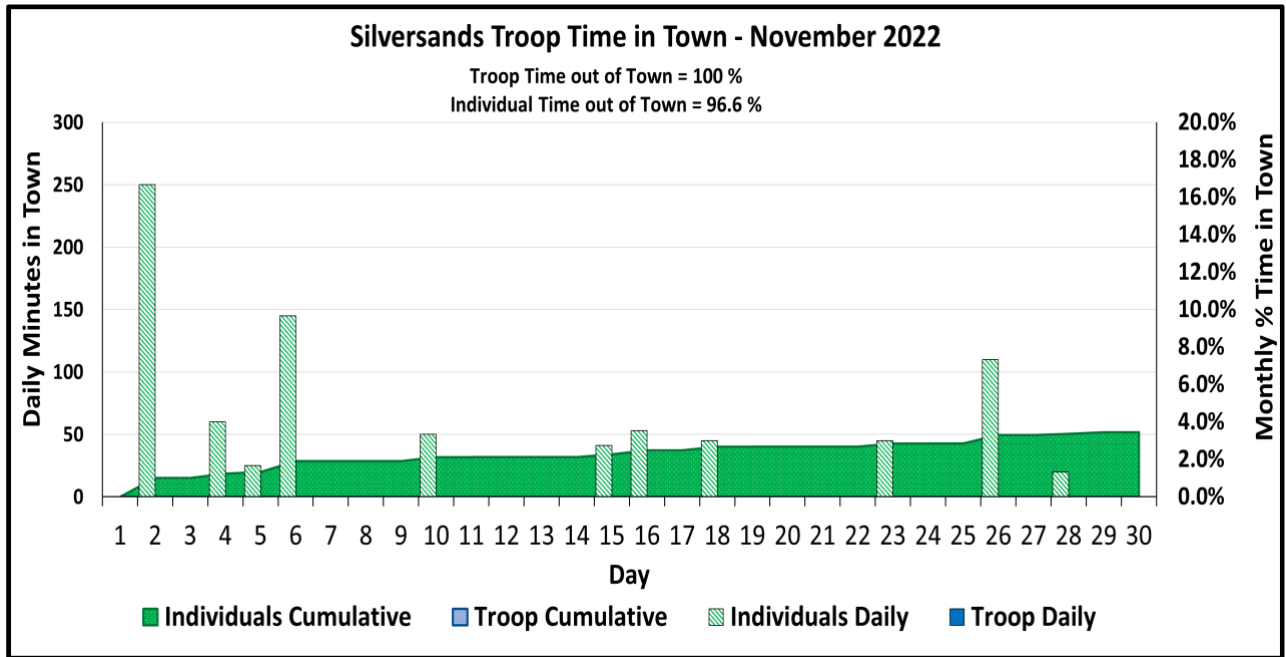


Figure 5.1 Troop and individual daily time (minutes) in town (bars), and monthly (area) percentage Time in Town by the Siversands Troop during November 2022.

### 1.1.10 NOTEWORTHY INCIDENTS

- Individuals from the Siversands Troop entered the urban area on 12 days during November.
- One occupied house incursion was recorded during November.
- One bin raid was reported via the Baboon Hotline Service on 30 November. Refuse had been left unsecured on the side of the verge at 07h29.
- A hotline call received on 17 November described SSM1 (Short-tailed male) snatching food from a child on Lakeside Drive. The caller had also observed several occupied house incursions by the same male over the past three weeks.

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: Siversands		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			
MONTH: November		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
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	TOTAL
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: Siversands		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			
MONTH: November		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
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	TOTAL
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: Siversands		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			
MONTH: November		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
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	TOTAL
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: Siversands		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			
MONTH: November		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
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	TOTAL
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BABOON TROOP: Siversands		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22												

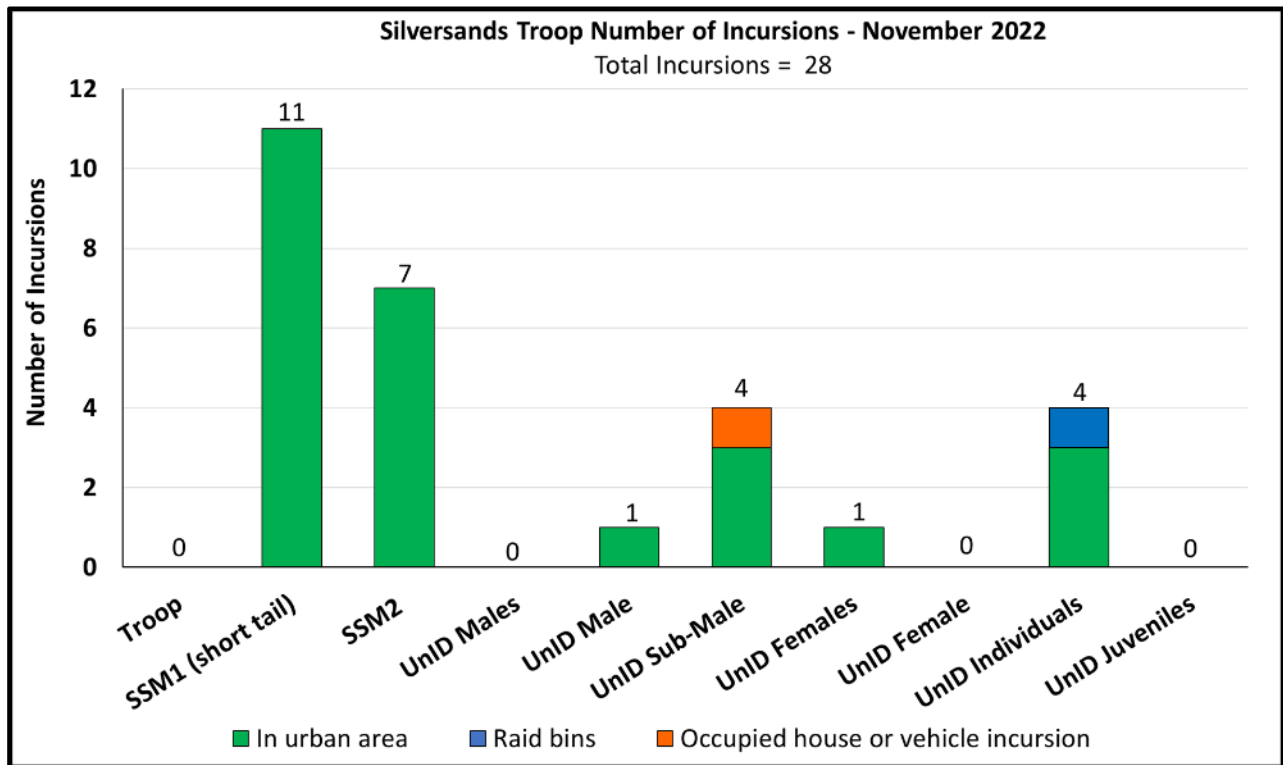


Figure 5.3 Number of incursions by the Silversands Troop and individuals during November 2022.

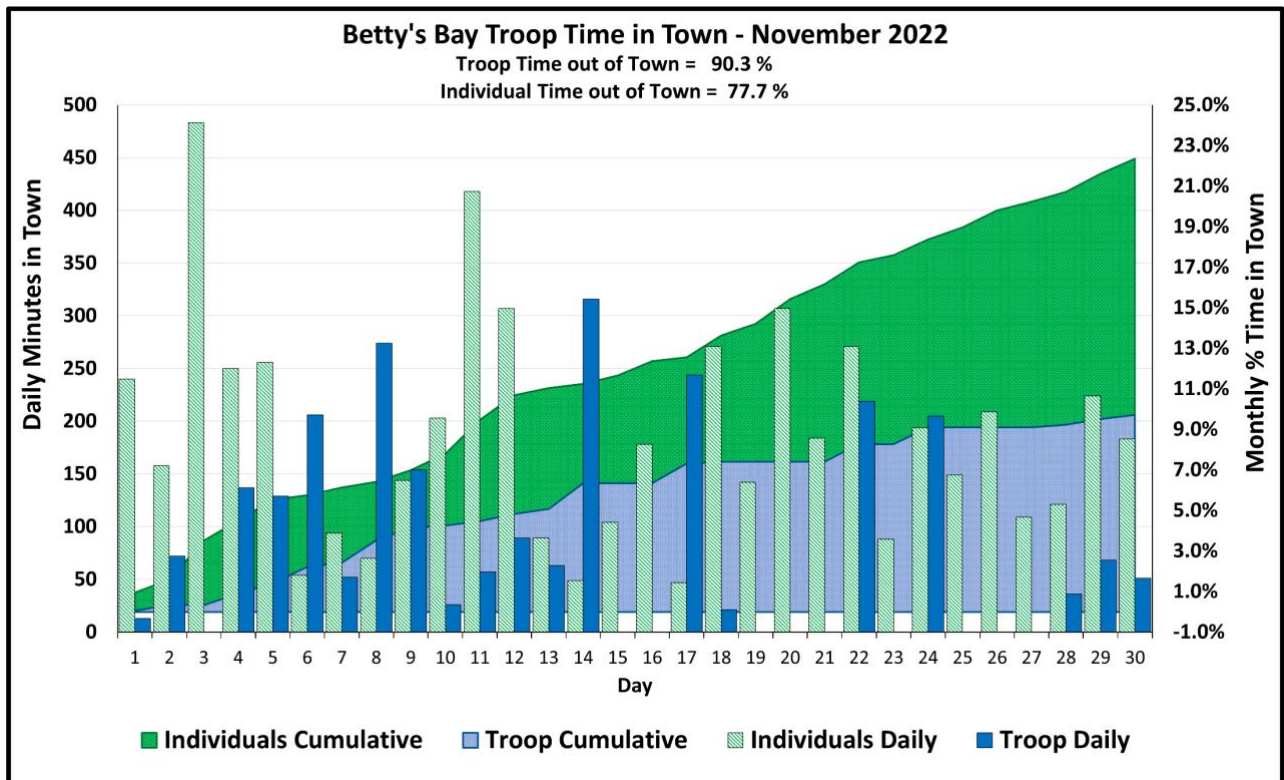
## BETTY'S BAY TROOP

### 1.1.11 IN TOWN STATISTICS

- Troop time out of town increased from 90.2% during October to 90.3% during November.
- Individual baboons time out of town decreased significantly during November, from 88% in October to 77.7% during November.

	% 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
Troop	90.3	+ 0.1	20	40:32	2:01	5:16	0:13
Individuals	77.7	- 10.3	30	93:16	3:06	8:03	0:47

Table 6.1: In Town Statistics for the Betty's Bay Troop for November 2022. Time is expressed in hours and minutes. Average daylength in November was 13 hours and 54 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 November 2022.

**1.1.12 NOTEWORTHY INCIDENTS**

- On 3 November, the Oudebosch Troop was seen on the mountains above Disa Campsite. A single adult male from this troop was observed moving towards Disa Gate. No further observations were recorded during November.
- On 14 November an injured juvenile was observed moving with a severe limp, with an injury to the front right arm. The juvenile was observed again the following day in the same condition, prompting the initiation of the capture protocol to assess the injury. The baboon was captured on 15 November at 13h16 and transported to a veterinary clinic. The initial inspection of the animal determined that the injuries, severe bruising under the arm and on the abdominal wall, were the result of being shot with a pellet gun. As the pellet gun wound had rendered the front right limb non-functional, it was recommended that the juvenile be euthanised for humane reasons.
- On 15 November an adult female was observed carrying a deceased new born infant. It was determined that the female gave birth during the night and the deceased infant was likely a still birth.



## **BIRTHS, DEATHS & MIGRATIONS**

- Three births were recorded in the western Overstrand during November. Two births occurred in Pringle Bay, with one birth in Betty's Bay. Unfortunately, the birth in Betty's Bay was determined to be a stillborn.
- Three deaths were recorded during November. Two deaths were recorded in Betty's Bay, the first being a stillbirth and the second being the humane euthanasia of a juvenile was due to an injury sustained from a pellet gun. The third death was a deceased infant recorded in the Hangklip Troop.
- One migration was recorded, with HKM3 from the Hangklip Troop emigrating to the Pringle Bay Troop.

## **GENERAL COMMENTS – ALL TROOPS**

### **POPULATION CHARACTERISTICS**

During November there was a total of three deaths and three births (**Table 7.1**). Two births were recorded in the Pringle Bay Troop, occurring simultaneously on 7 November. One birth was recorded in the Betty's Bay Troop. However, it should be noted that the new born was deceased when first observed and was likely stillborn. Three deaths were recorded during November (**Table 7.2**). The first death occurred in the Betty's Bay Troop, the aforementioned stillbirth. The second death was the humane euthanasia of a juvenile from the Betty's Bay Troop after it sustained a wound from a pellet gun. The third death was observed in the Hangklip Troop; an adult female was observed carrying a deceased infant. One migration event was recorded in November with HKM3, an adult male from the Hangklip Troop, immigrating into the Pringle Bay Troop on 21 November.

Troop	October 2019	June 2020	June 2021	June 2022	November 2022			Total observed Births (1 July 2022 to 30 November 2022)	Total observed Deaths (1 July 2022 to 30 November 2022)	Total observed Migrations (1 July 2022 to 30 November 2022)
					Births	Deaths	Emigration / Immigration			
Voëlklip	29	29	27	37	0	0	0	0	1	0
Vogelgat	N/A	22*	29	27	0	0	0	0	1	-1
Onrus	N/A	N/A	25*	24*	0	0	0	0	0	0
Hamilton Russel	N/A	N/A	21*	25	0	0	0	0	0	0
Pringle Bay	16	16	17	14	2	0	1	2	1	+4
Betty's Bay	N/A	19	20	23	1	2	0	4	4	0
Hangklip	N/A	N/A	30	38	0	1	-1	0	1	-2
Silversands	N/A	N/A	43	41*	0	0	0	0	1	0
<b>Total</b>	<b>45</b>	<b>64</b>	<b>166</b>	<b>228</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>6</b>	<b>9</b>	<b>+1</b>

**Table 7.1:** Population data for the managed troops in the Overstrand in November 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.

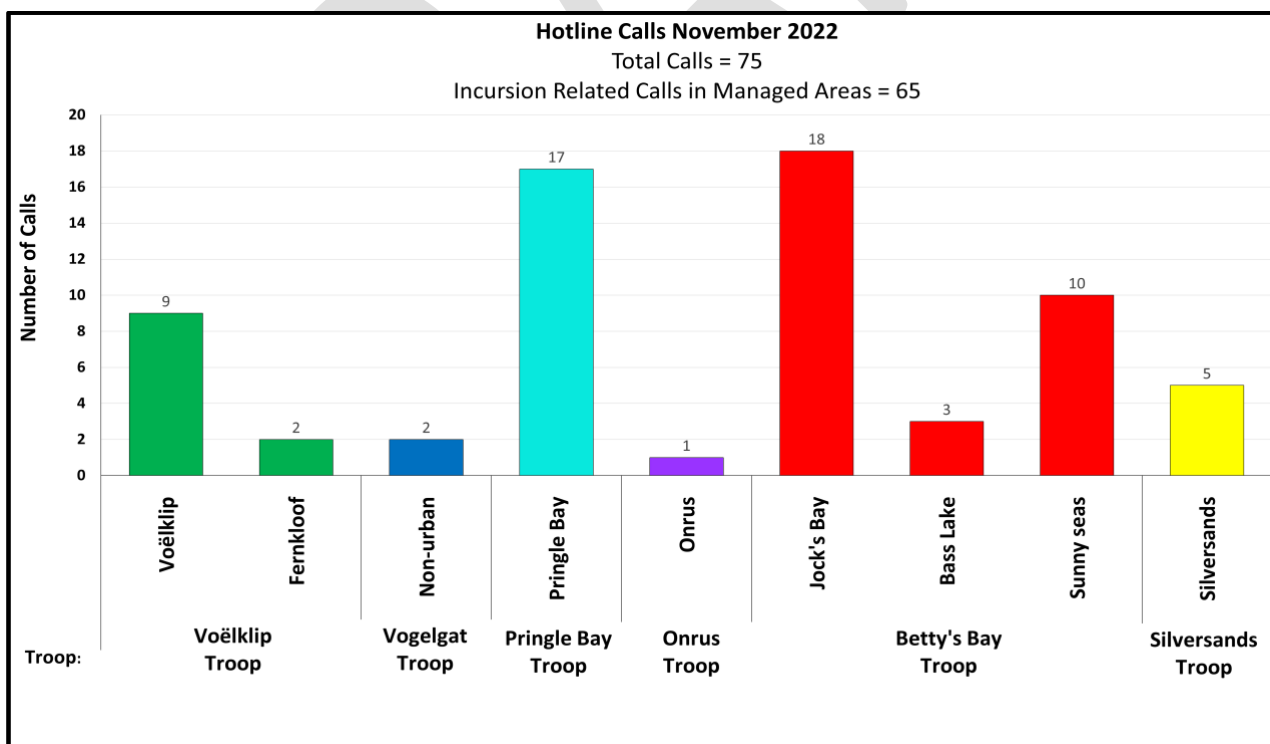


Deaths	2019/20 (October - June)	2020/21 (July - June)	2021/22 (July 2021 - June 2022)	2022/23 (July 2022 - November 2022)	November 2022	TOTAL (since October 2019)
Management	3	0	1	0	0	4
Human Induced (HID)	1	2	9	6	1	18
Direct *	1	2	8	5	1	16
Indirect **	0	0	1	1	0	2
Natural	2	7	7	1	1	17
Unknown	0	0	2	2	1	4
<b>TOTAL DEATHS</b>	<b>6</b>	<b>9</b>	<b>19</b>	<b>9</b>	<b>3</b>	<b>43</b>

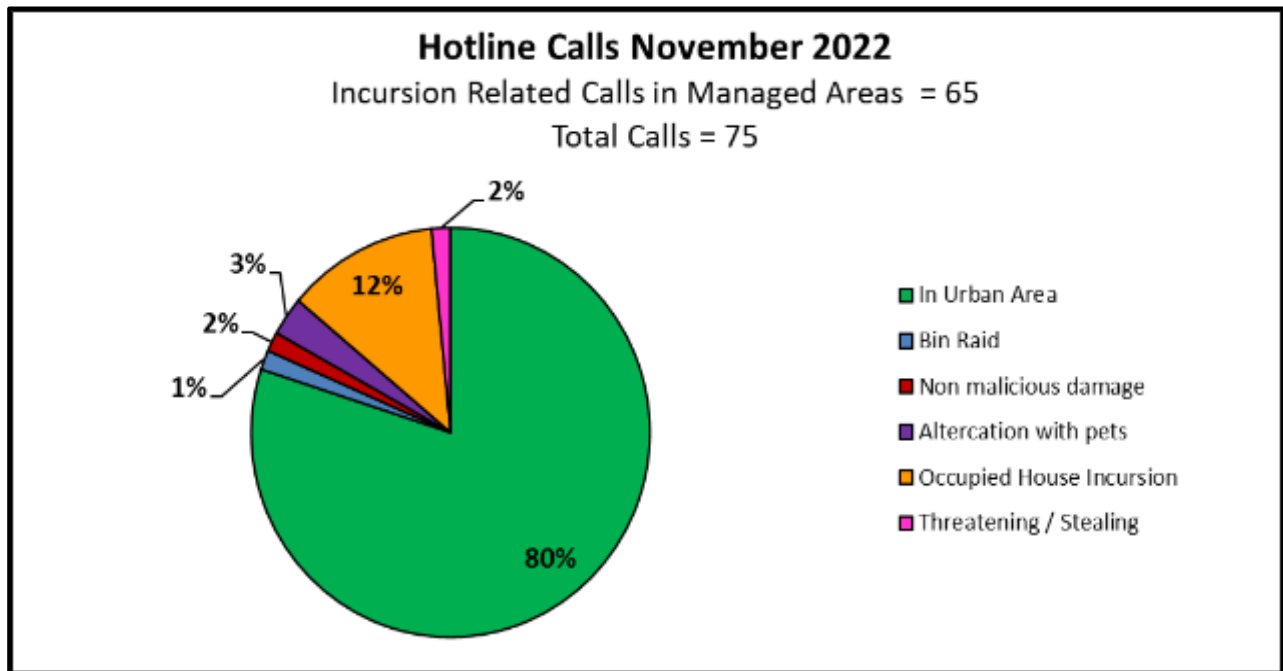
**Table 7.2:** Causes of baboon deaths since October 2019; \*Deaths caused directly by humans, such as motor vehicle accidents, shooting, poisoning and dogs. \*\*Deaths caused indirectly by humans such as electrocutions and fire.

### HOTLINE DATA

Incursion related hotline calls in managed areas decreased significantly from 112 during October to 65 during November. The majority of calls came from Pringle Bay (n = 17), and Jock’s Bay (n = 18) (**Figure 8.1**). The majority (80%) of hotline calls were made to alert HWS to the presence of baboons in the urban area (**Figure 8.2**). The composition of hotline calls was more diverse during November, with instances of stealing/threatening behaviour (2%), altercations with pets (2%), bin raids (1%), accidental damage (2%), and occupied house incursions (12%) all reported during November.



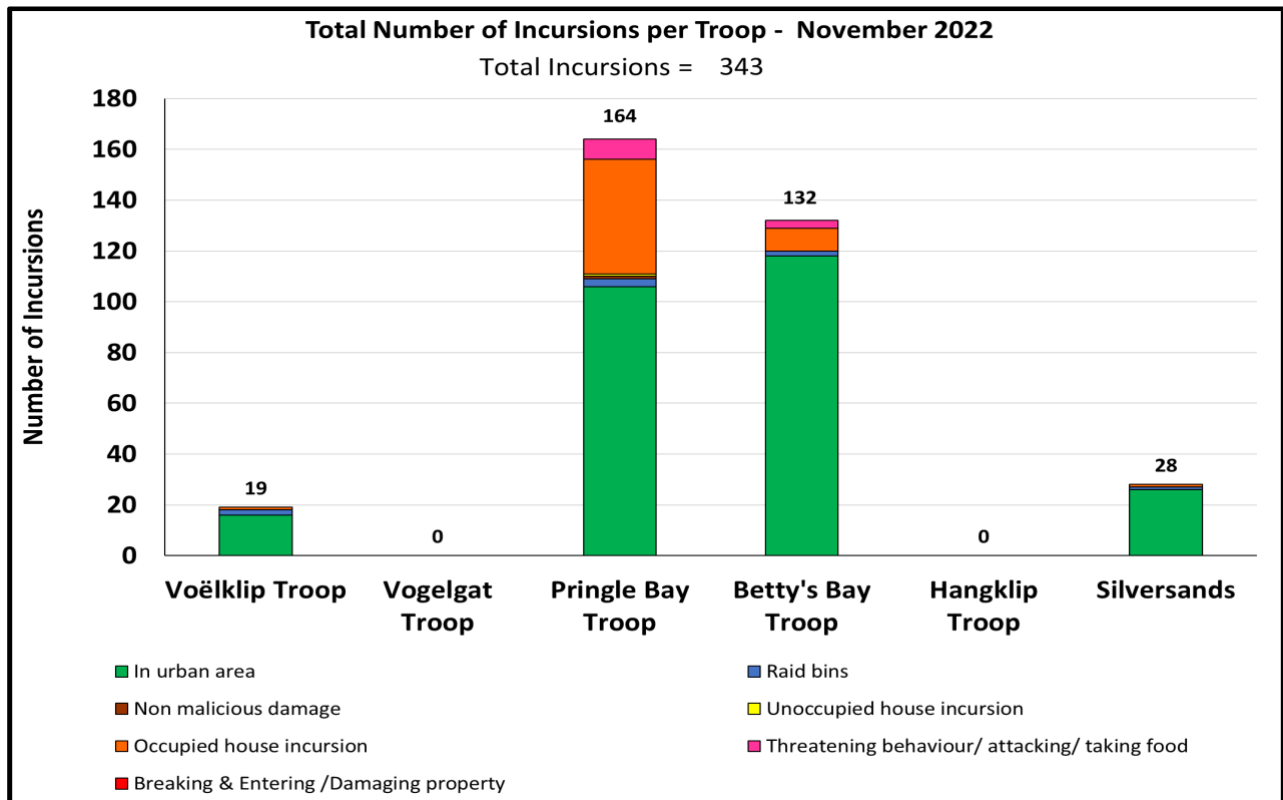
**Figure 8.1:** Hotline calls in baboon affected areas for November 2022. Incursion related hotline calls are calls reporting managed baboons in urban areas. Managed areas are those areas in which baboon troops are known to occur and are actively managed.



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

## RECORDED INCURSIONS

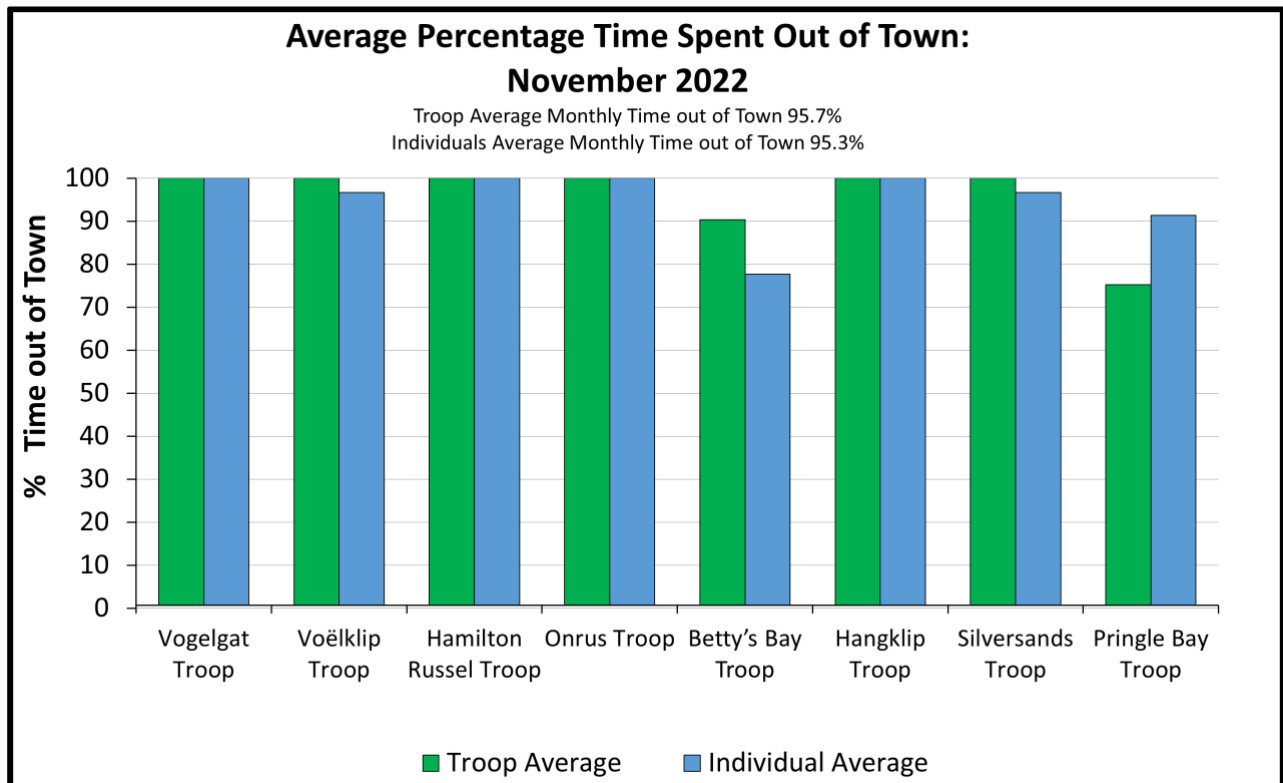
The total number of incursions recorded during the month increased from 320 in October to 343 during November (**Figure 9.1**) with the Pringle Bay and Betty's Bay Troops being responsible for three quarters of all incursions (86%). In the Western Overstrand the number of occupied house incursions remained relatively stable, with 45 such incursions recorded during November. Furthermore, there was a notable increase in the number of instances of stealing or threatening humans, with eleven instances being recorded in November compared to seven in October. Eight of these incidents occurred in Pringle Bay. Incursions decreased slightly in Silversands during November, with one instance of occupied house raiding being recorded in the Eastern Overstrand, there was a significant drop in the number of incursions, with the Voëlklip Troop responsible for 19 incursions during November. As in the previous month, both the Vogelgat and Hangklip Troops recorded zero incursions.



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

### PERCENTAGE TIME OUT OF TOWN

During November the average time out of town by troops decreased slightly from 96.7% to 95.7% (Figure 9.2). Individual time out of town increased, from 94.7% in October to 95.3%. The increase in average time out of town for individuals is likely due to individuals from the Pringle Bay Troop spending a greater proportion of their time outside urban areas during October. It should be noted, however, that this is a function of the troop spending a greater portion of its time in town.



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

## **RECOMMENDATIONS**

- Ripening **fruit on fruit trees** in baboon-affected areas should be harvested to remove the attractant for baboons. **This is particularly important now during spring and summer.**
- **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.
- **Open vegetable gardens** should be baboon proofed.
- Residents are strongly discouraged from feeding wildlife, including birds.
- 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.

## **CONCLUSION**

The Overstrand East has seen a significant improvement over the past few months, a trend that has continued during November. The Vogelgat Troop has again been entirely absent from the urban area and is instead utilising the vegetation on the mountains north and west of Hermanus Yacht Club. The Voëlklip Troop was also mostly absent from the urban area, with individuals from the troop only gaining access to town on seven days during November. With the holiday season upon us, it is vital that visitors to the Hermanus area are well informed with regards to waste management protocols and reducing baboon access to human derived foodstuffs as much as possible.

The baboon management situation in Pringle Bay has continued to be highly challenging. This has been further complicated by the emigration of the adult male, HKM3, from the Hangklip Troop to the Pringle Bay Troop. As mentioned in previous reports, the male to female ratio in the Pringle Bay Troop was already highly skewed in favour of males, with 1.25 males per female. The addition of another adult male has increased this ratio to 1.5, and is likely to elevate further the levels of inter male conflict and the potential for infanticide within the troop. This is particularly relevant in this troop which currently has two new-borns and has already lost two juveniles to infanticide this year.

The addition of an adult male in the troop has meant that there is another male which could potentially raid the urban area. Because the males tend to move alone or in pairs, the number of groups of baboons will inherently increase, thus straining field staff resources and diminishing the effect of management interventions. Additionally, the number of threatening/stealing incidents increased during November, with 11 incidents recorded. This behaviour is likely to increase significantly with the seasonal influx of unaware tourists, and heighten the potential of aggressive interactions occurring between baboons and humans.

In Betty's Bay the troop lost another individual as a result of human-wildlife conflict. A juvenile baboon was euthanised after sustaining a wound caused by a pellet gun, after the pellet rendered the front right limb unusable. This is the second juvenile to die as the result of a pellet gun injury since baboon management began. As outlined in previous reports, the persistence of baboons in urban spaces will continue to lead to deaths such as this (Beamish, 2009), highlighting the importance of appropriate and effective management practices.

## **REFERENCES**

Beamish, E. K. (2009). *Causes and consequences of mortality and mutilation in the Cape Peninsula baboon population, South Africa* (Master's thesis, University of Cape Town).

**HWS Holdings CC**