

Baboon Management

Past, Present and Future



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD



HUMAN WILDLIFE SOLUTIONS

Solutions born from innovation in response to needs

Tel: 021 712 9544
E-mail: info@hwsolutions.co.za
Web: www.hwsolutions.co.za
Mail: P.O. Box 31150, Tokai, Cape Town, 7966

Baboon Management vs Baboon Conservation

- The City of Cape Town performs Baboon Management for its rate payers.
- The City thus performs Baboon Management
- The City of Cape Town is **not** a Baboon Conservation Organisation.

Baboon Management vs Baboon Conservation

- The more effectively one performs Baboon Management, the better the conservation of baboons.



Baboon Management Principles

- The various “eras” which baboon management have gone through on the Cape Peninsula are important to know from a historical context.
- This helps to understand the management principles adopted.

Baboon Management Principles

1990s

- There were no daily mitigation measures to keep baboons from urban areas
- Conservation organisations employed “non-selective” euthanasia; sometimes killing an entire troop (e.g. Kommetjie late 1990’s)

Baboon Management Principles

2000 - 2008

- Baboon management was conducted by a community based organisation which employed non-lethal & non-aggressive methods

Baboon Management Principles

2009 – Present

- The mandate of the City is to provide services and safety to its residents
- Keep baboons and humans separate, as far as possible
- Mitigate and remove attractants in the urban edge
- “Harden” the urban edge to prevent baboon entry – e.g. fencing
- Educate residents & visitors
- Conducted by a company appointed on tender by the CoCT, based upon the following principles:
 - Use means which baboons fear to prevent entry into the urban area – e.g. paintball markers, bear bangers
 - Employ selective euthanasia, where necessary, as soon as possible in order to save other baboons in a troop from the same fate

Managed troops

How do we measure success?

- Time out of town
- Numbers of raids
- Hotline data
- Number of Direct Human Induced Deaths
- Numbers of Management related deaths
- Population growth

2015 Fires

Major Event of Past Five Years



Post Fire – Silvermine September 2015



Tokai Forest Post Fire 2015



Tokai Forest Post Fire 2017

INVASIVE ALIEN VEGETATION

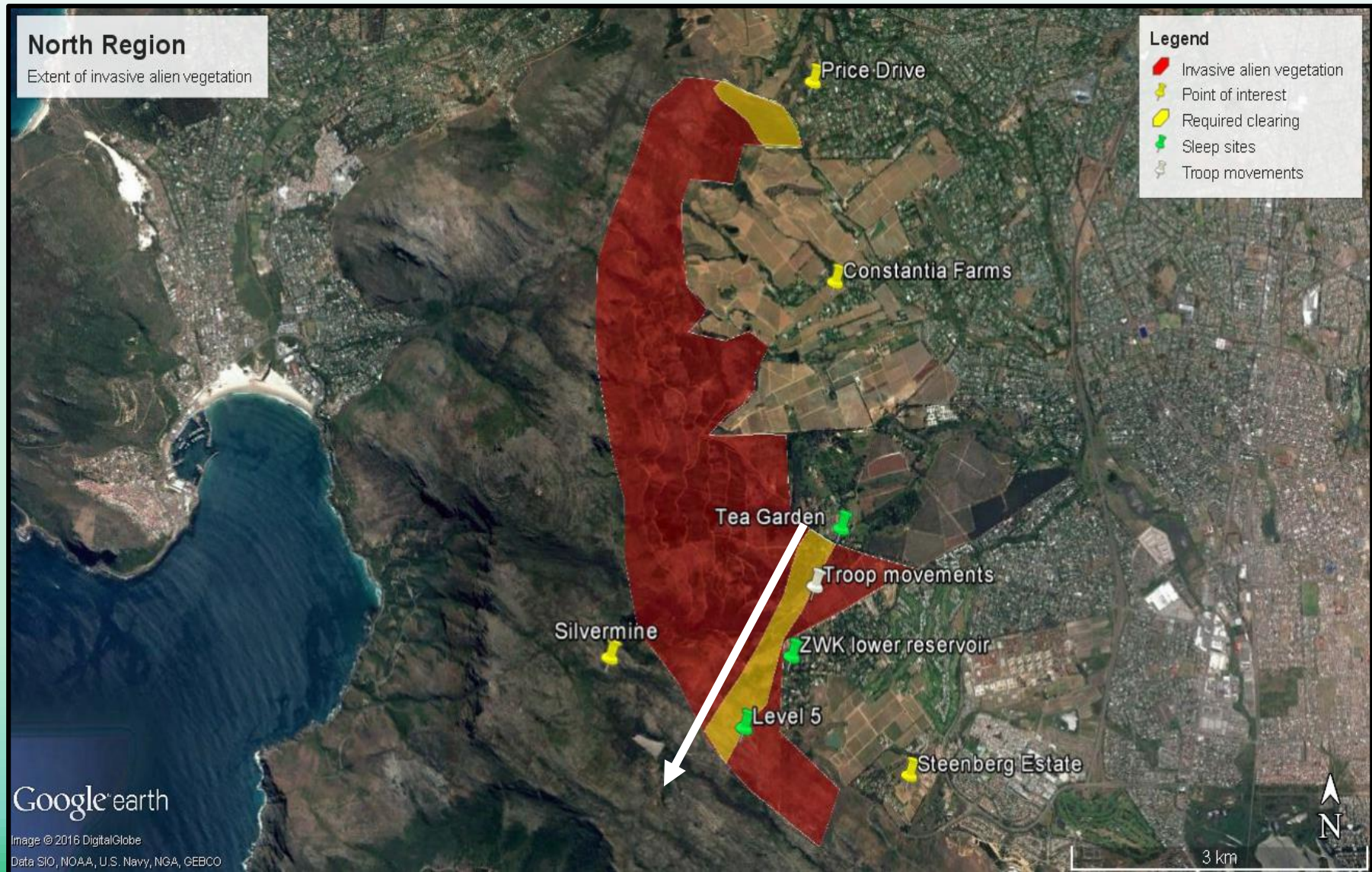
No way to Silvermine?
2017



Tokai Forest Post Fire 2019



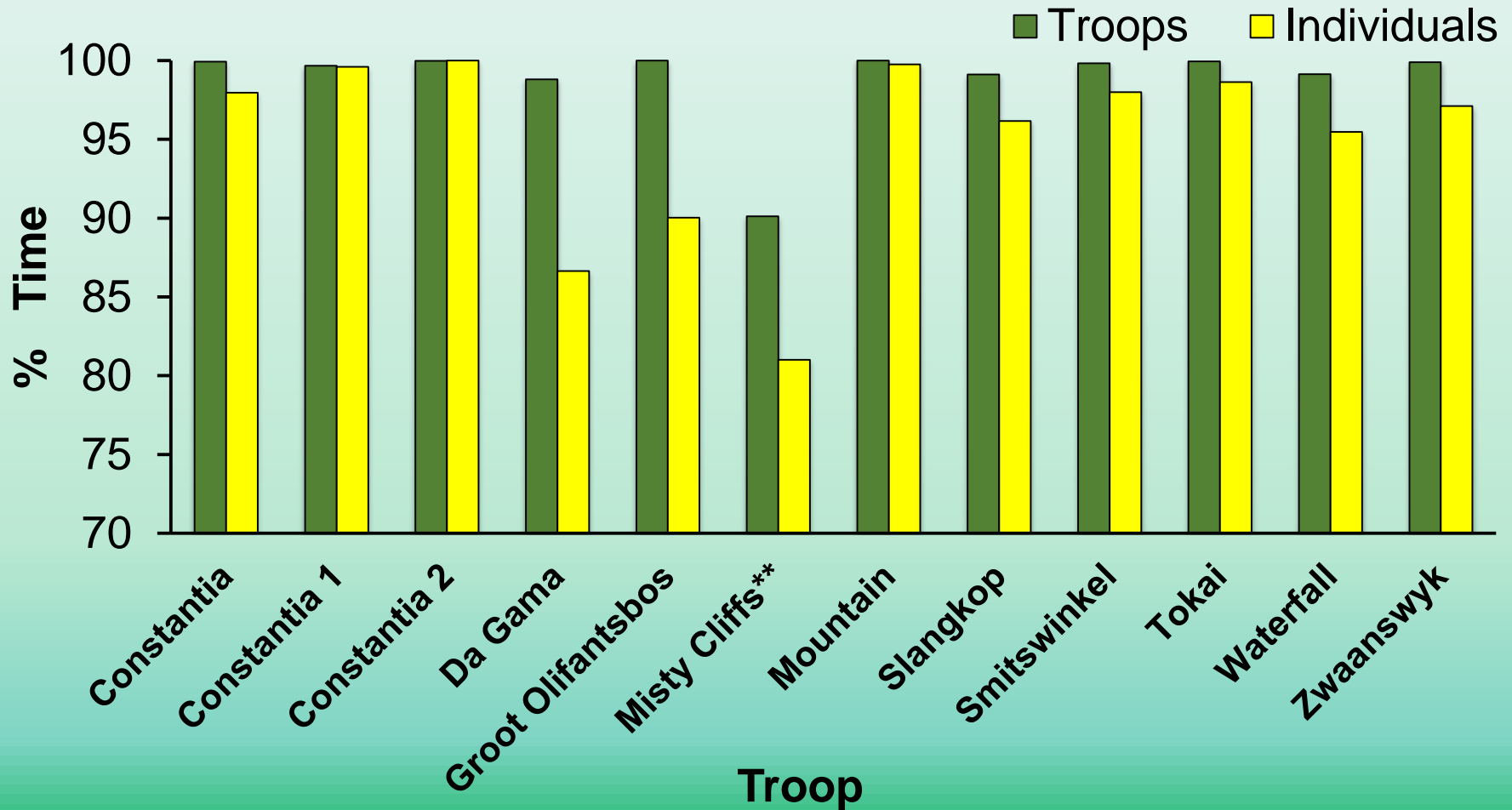
Suggested path through alien vegetation



% Time Troops Spent Out of Town: September 2012 - June 2019

Troop Ave. = 99.3%

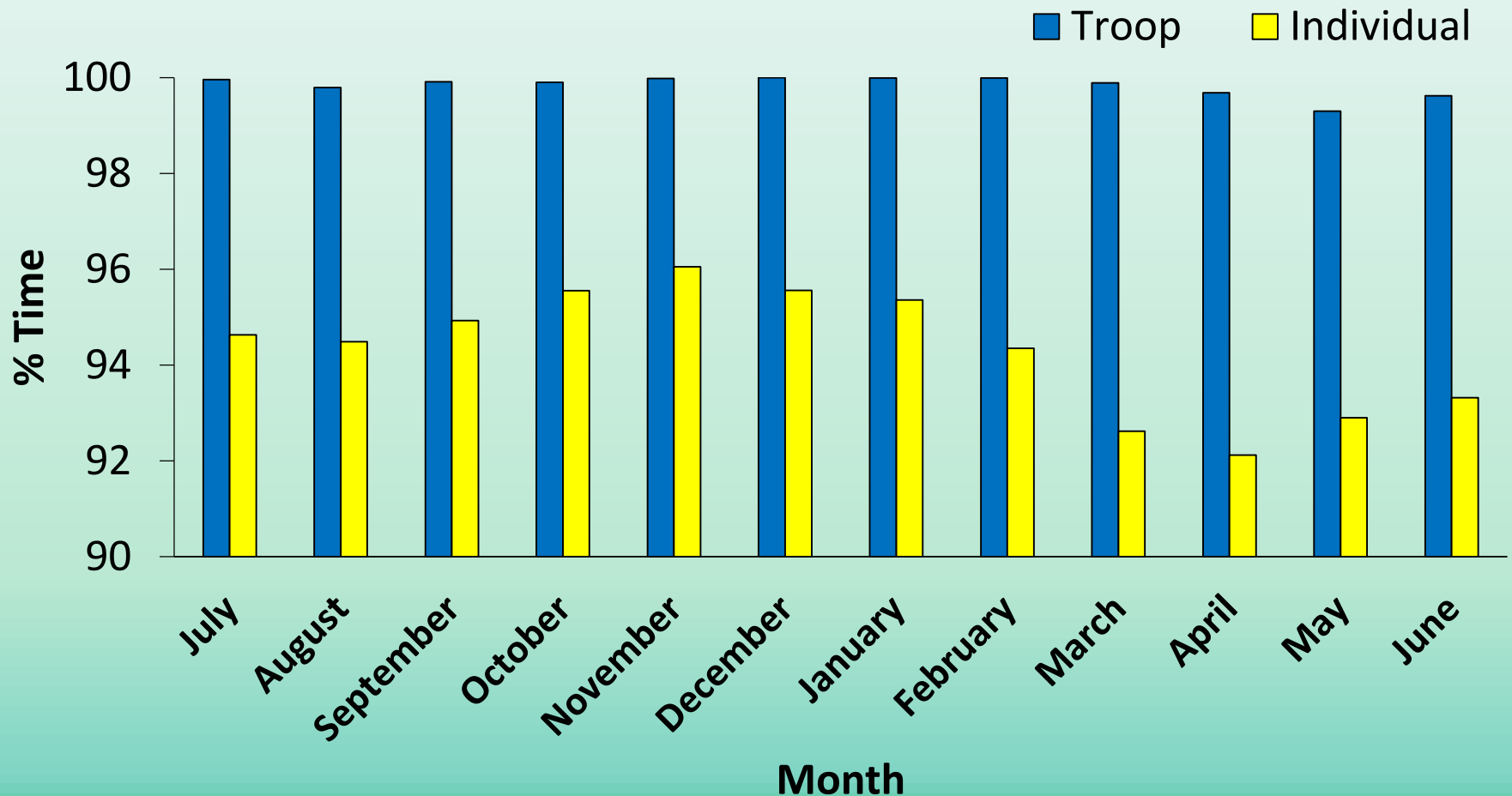
Individuals Ave. = 95.6%



Monthly % Time Spent Out of Town:

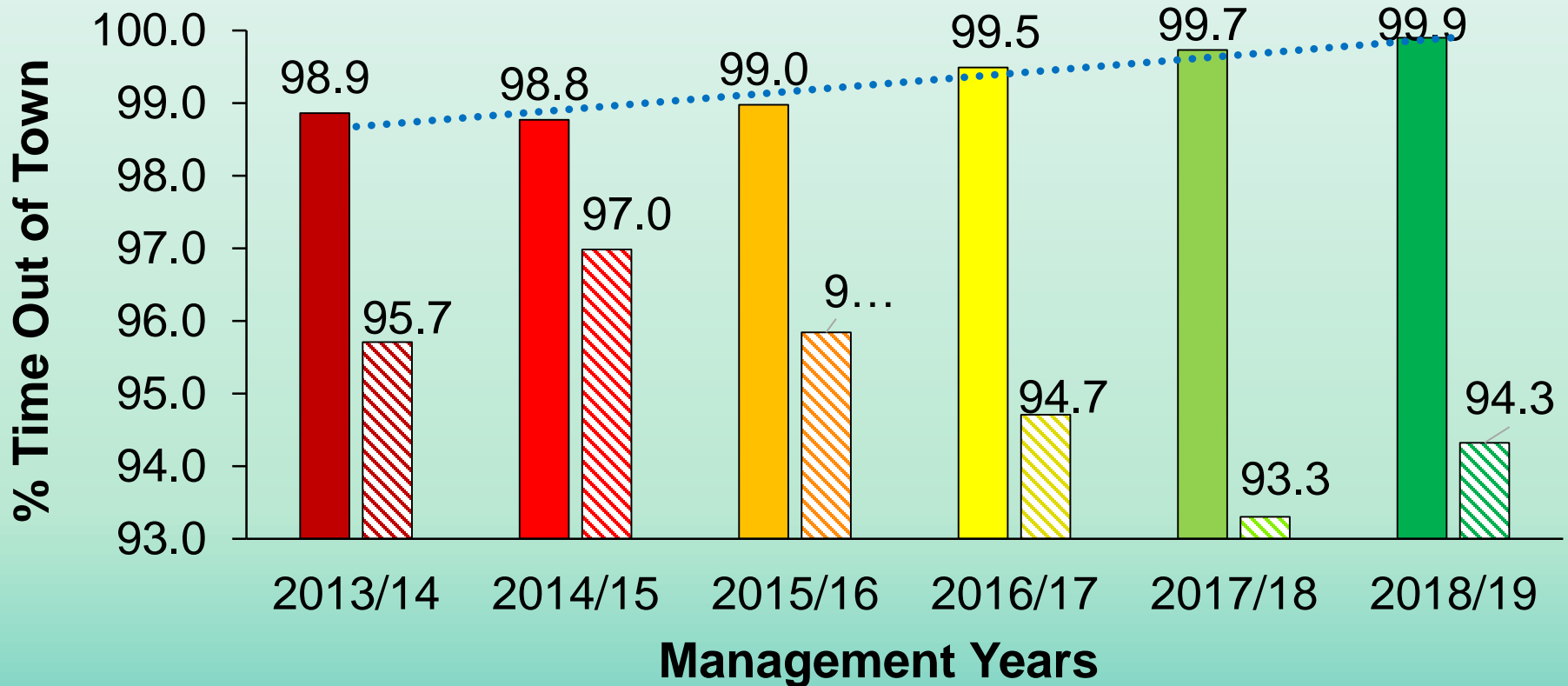
July 2018 - June 2019

Troop Ave. = 99.8% Individual Ave. = 94.3%



Annual Average % Time Out of Town: July 2013 – June 2019

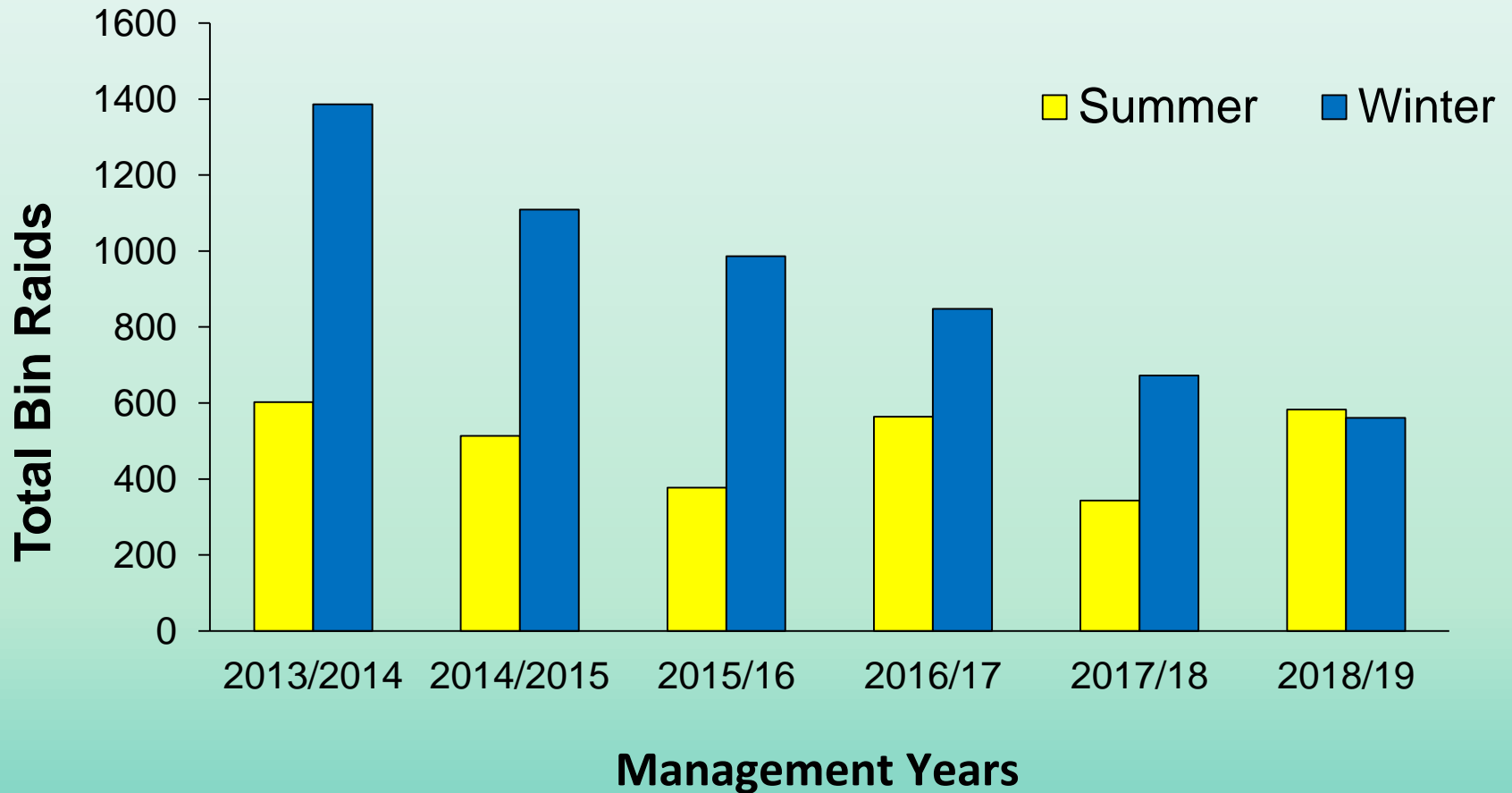
Troop Ave. = 99.3% Individuals Ave. = 95.1%



Solid Bars = Troop Striped Bars = Individuals

Total Bin Raids per Season per Year:

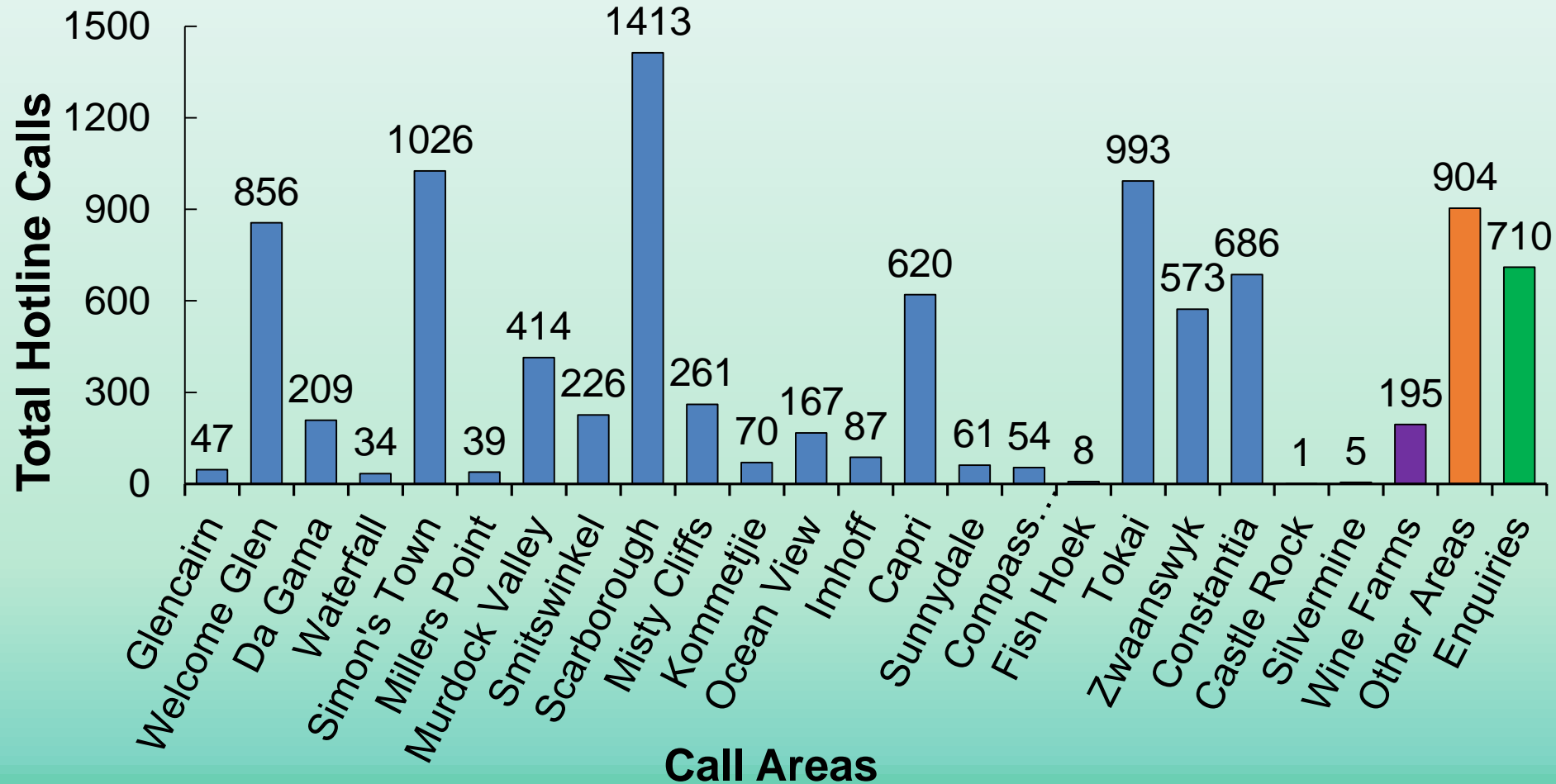
July 2013 - June 2019



Total Hotline Calls: 2012 - 2019

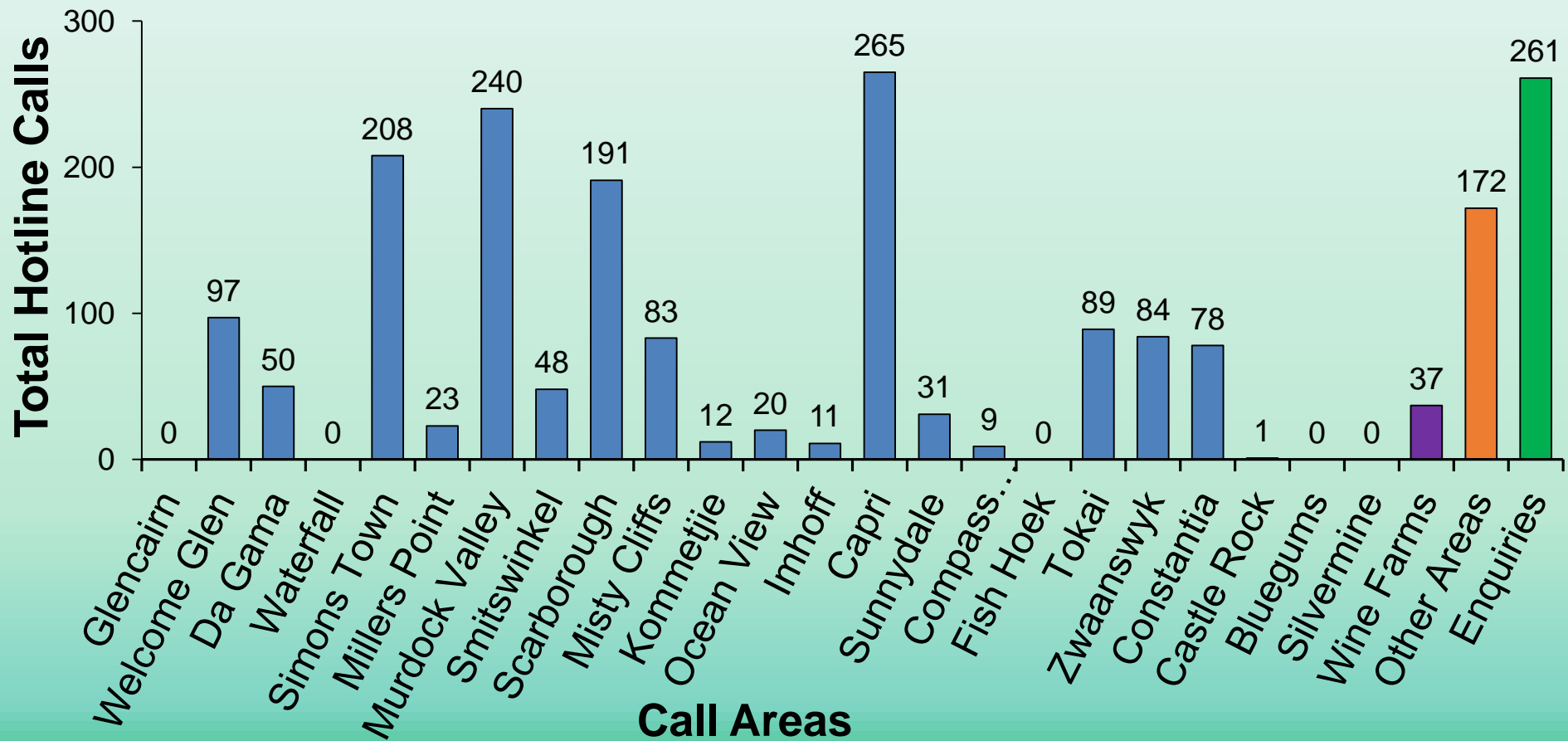
Total Calls = 9659

Calls in Managed Areas = 7845

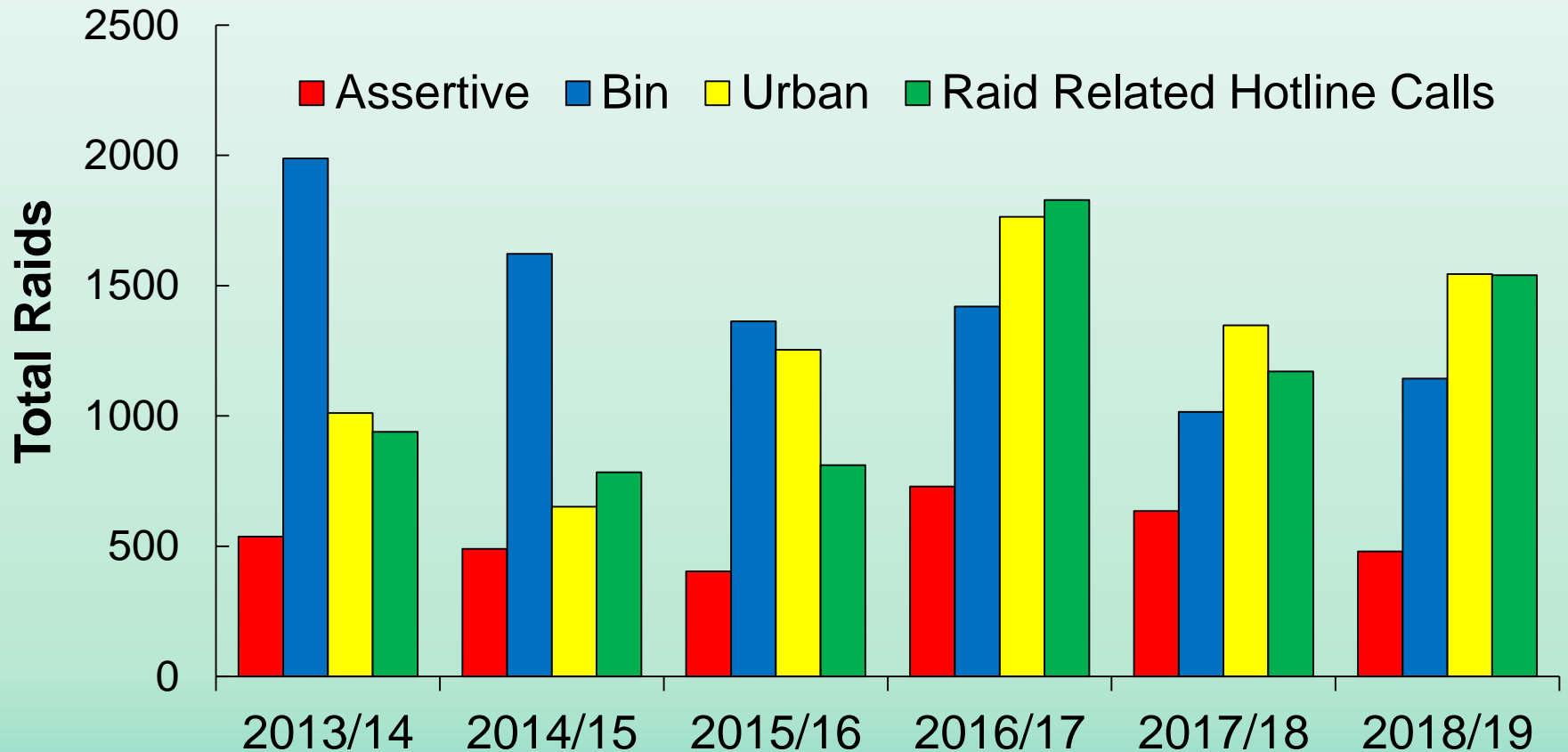


Total Hotline Calls: July 2018 – June 2019

Total Calls = 2010
Calls in Managed Areas = 1540



Annual Raid-Related Hotline Calls vs Recorded Assertive, Bin and Urban Area Raids: August 2013 – June 2019



% of Raids recorded on Hotline	26%	28%	27%	47%	39%	48%
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Population data for all managed troops per management year: July 2012 - June 2019

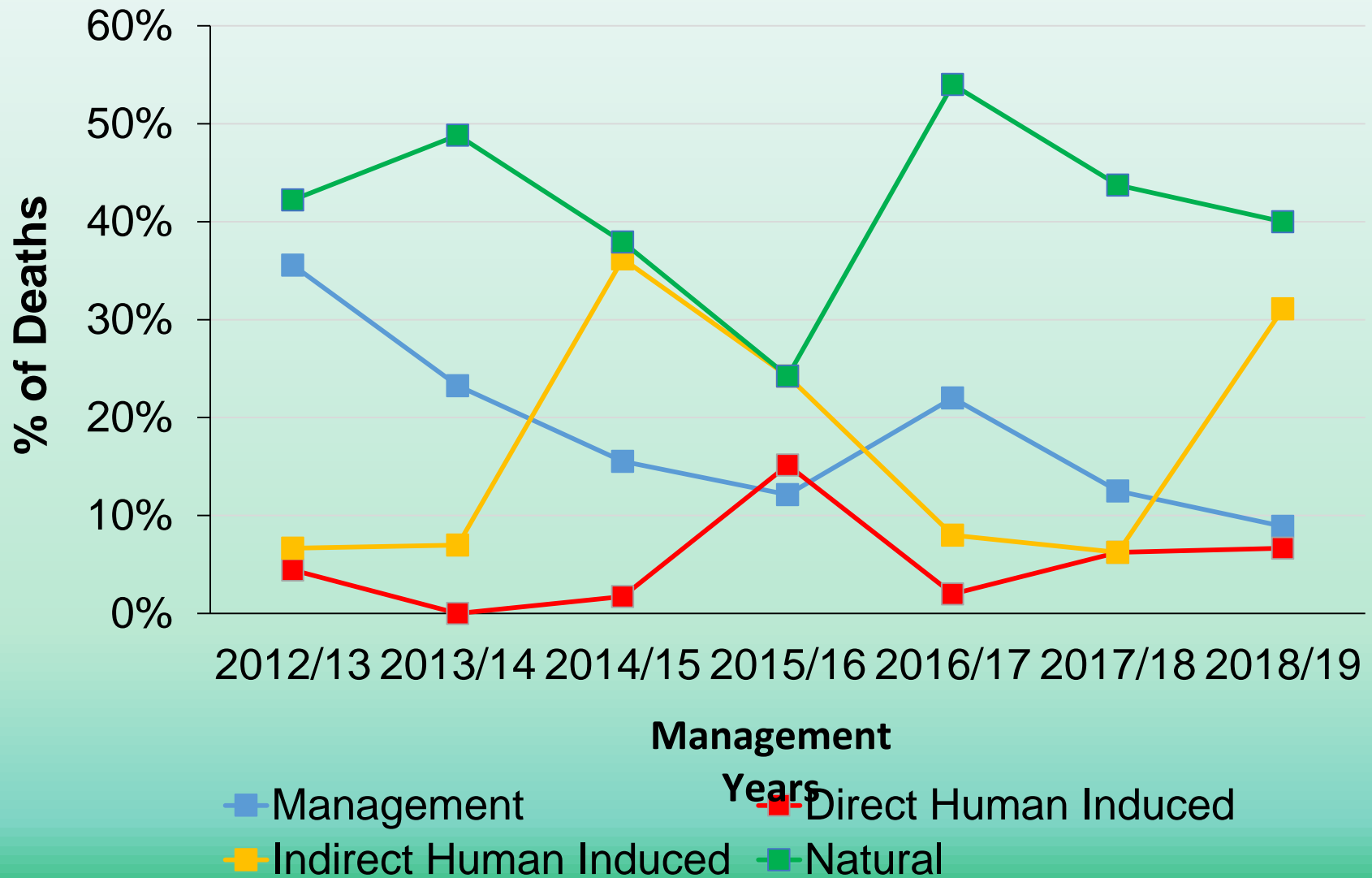
TROOP	END JUNE TOTALS						Total Births (1 July 2018 to 30 June 2019)	Total Deaths (1 July 2018 to 30 June 2019)	Total Migrations (1 July 2018 to 30 June 2019)	Total Current Population per Annual Counts @ 30 June 2019
	2013	2014	2015	2016	2017	2018				
Da Gama	42	43	46	52	52	55	8	8		48
Smitswinkel	21	22	24	29	33	35	0	3		31
Waterfall	28	29	31	33	37	40	3	7	+1	48
GOB	20	19	16	17	23	29	2	2		23
Misty Cliffs	17	16	9	11			0	0		
Slangkop	37	40	35	41	40	44	5	5		43
SUB TOTAL	165	169	161	183	185	203	18	25		193
Zwaanswyk	28	28	30	28	30	20	6	4	-3	20
Tokai	64	70	62	65	69	75	15	6	+3	91
Mountain	41	47	49	47	57	60	5	6	-2	73
CT1	70	69	77	81	63	46	6	3	+1	64
CT2					22	10	2	1	+1	8
SUB TOTAL	203	214	218	221	241	211	34	20		256
TOTAL	368	383	379	404	426	414	52	45		449

*The Misty Cliffs individuals have been included in the GOB Troop totals since January 2017, when they merged with the GOB Troop. **The Constantia Troop split into CT1 and CT2 late in 2015. The totals for the separate troops are illustrated here from 2017 onwards.

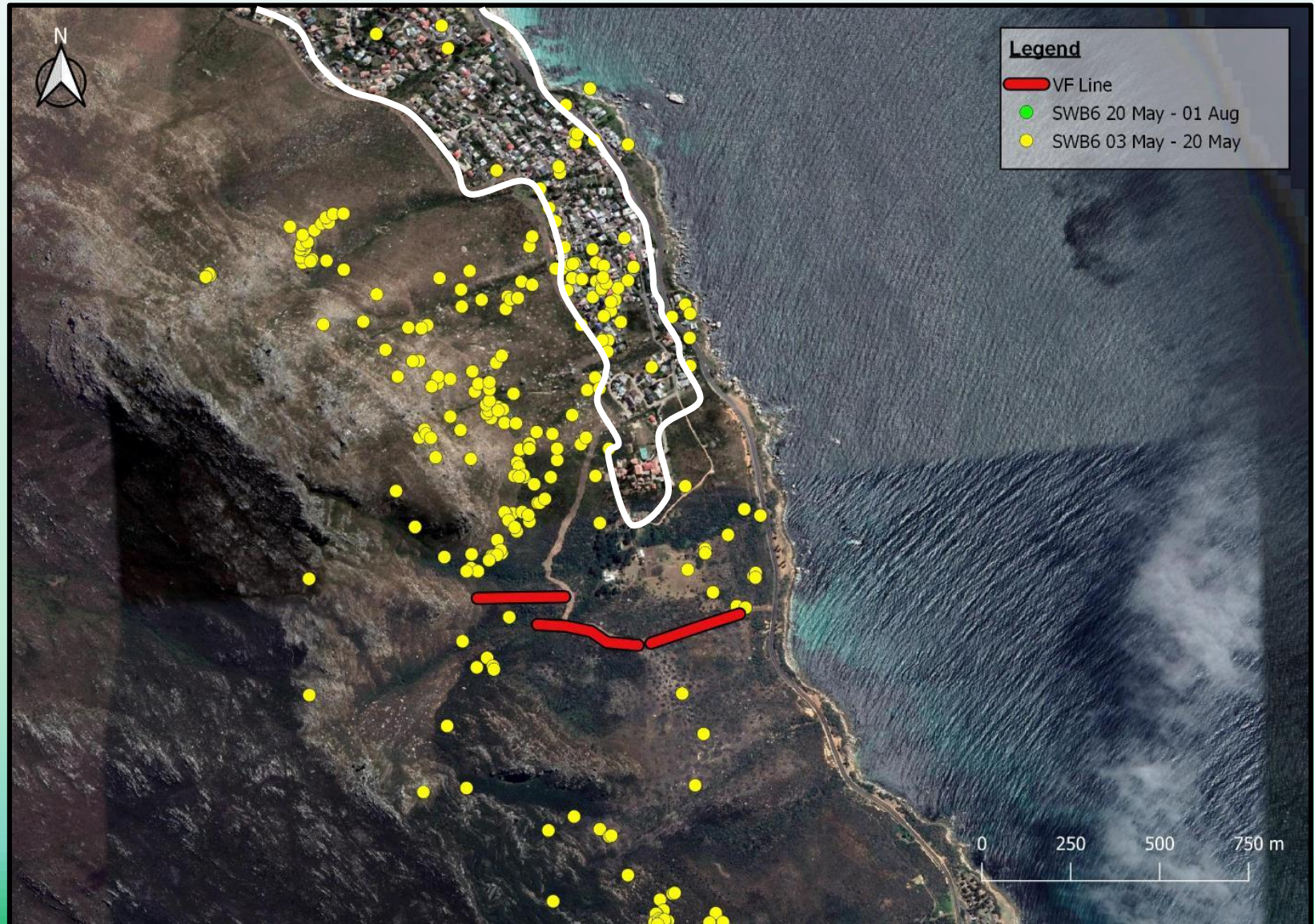
Annual Causes of Baboon Deaths: July 2012 – June 2019

Deaths	END <u>JUNE</u> TOTALS							TOTAL (since July 2012)	Average Annual Deaths (Total Population)
	2013	2014	2015	2016	2017	2018	2019		
Management	15	10	9	4	11	8	4	61	2,2%
Human Induced (HID)	5	3	22	13	5	8	17	73	2,6%
<i>Direct **</i>	2		1	5	1	4	3	16	0,6%
<i>Indirect ***</i>	3	3	21	8	4	4	14	57	2,0%
Natural	19	21	22	8	27	28	18	143	5,1%
PLOHP****						7		7	0,2%
Unknown	5	9	5	8	7	13	6	53	1,9%
TOTAL DEATHS	44	43	58	33	50	64	45	337	12,0%
TOTAL POPULATION	368	383	379	404	426	414	449		

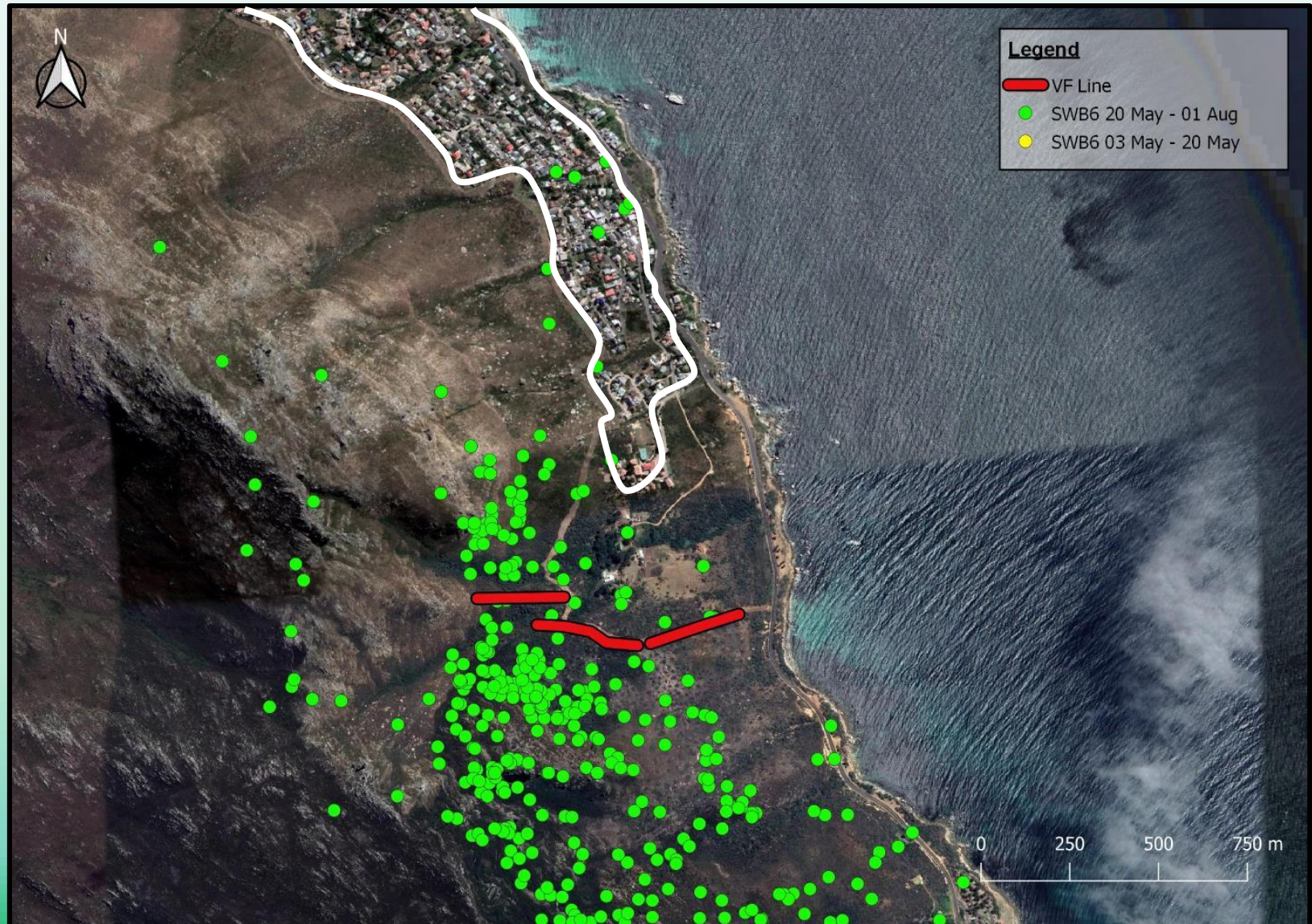
Annual Incidence of Natural, Human Induced and Management Deaths



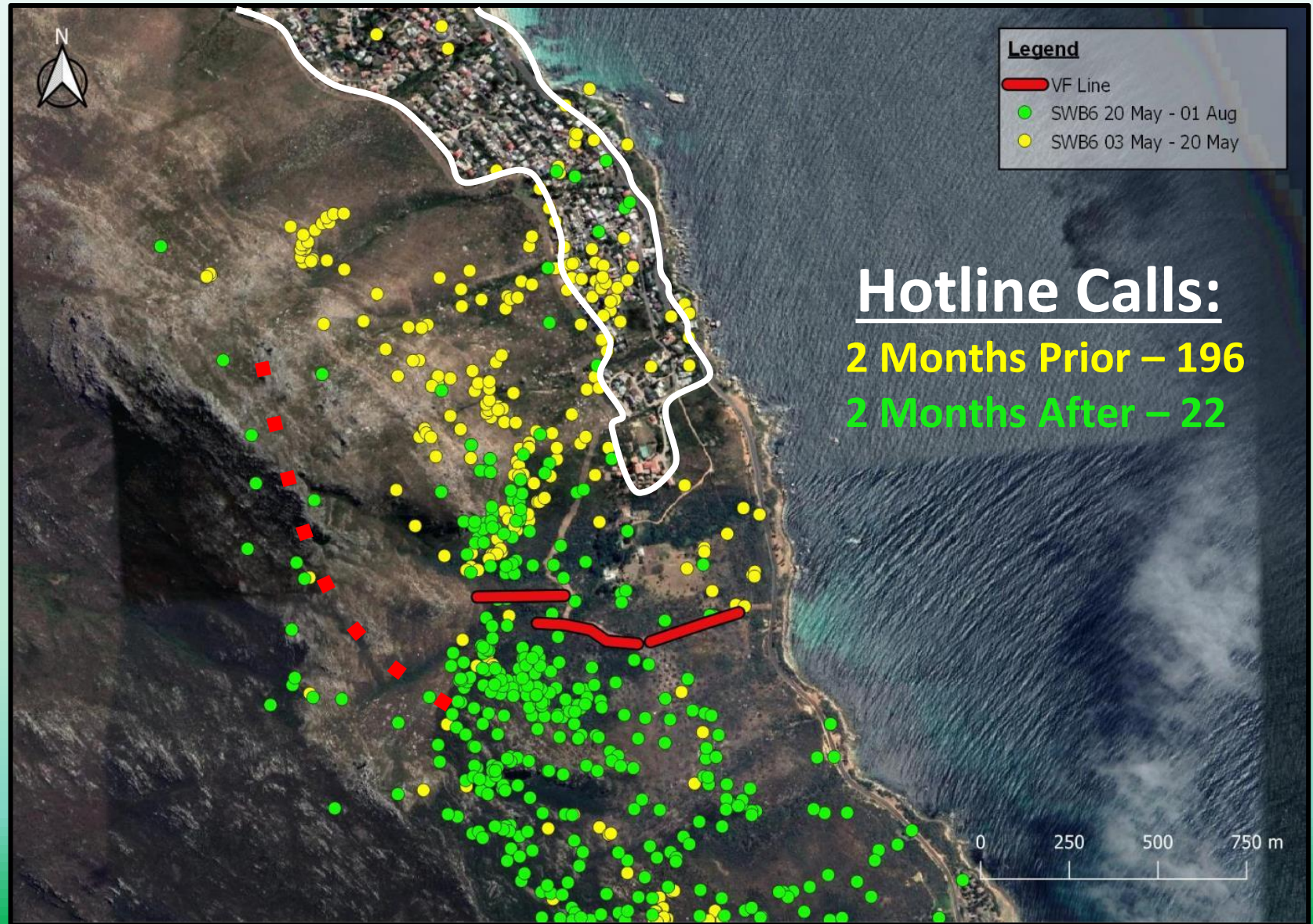
Smitswinkel Troop (SWB6) Range prior to Virtual Fence Activation on 20th May 2019



Smitswinkel Troop (SWB6) Range after Virtual Fence Activation on 20th May 2019



Virtual Fence Data before and after Activation on 20 May 2019



END THANK YOU



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iCWild

Institute for Communities and Wildlife in Africa



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