

BUILDING RESILIENCE FOR WILDLIFE AREAS BLACK MAMBA ANTI POACHING UNIT

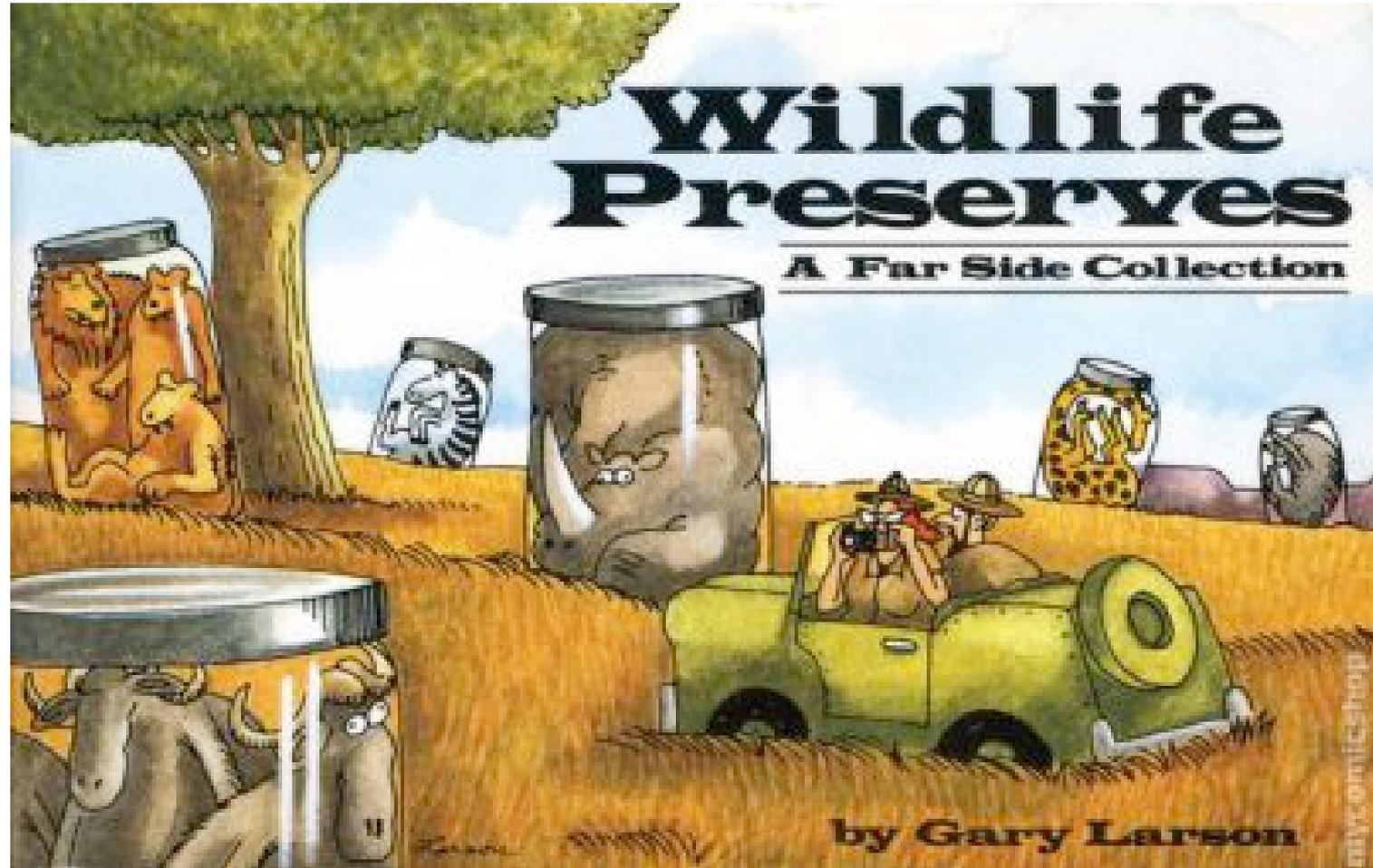
(ALL WOMEN) :



Greater Kruger National Park: Where do we fit in?



Why the concern?



OUR MISSION

- To make the Greater Kruger National Park the most difficult, undesirable and risky area to poach.
- To develop a proud, sympathetic + patriotic community on our borders = allies to the park!





SPECIAL PROJECTS



"ANIMALS DESERVE TO LIVE; THEY HAVE A RIGHT TO LIVE. DO YOUR PART. WHEN DEMAND ENDS, THE KILLING WILL END. SAY YES TO LIFE. SAY NO TO ILLEGAL RHINO HORN AND ELEPHANT IVORY."

BLACK MAMBA ANTI-POACHING UNIT
UNEP CHAMPION OF THE EARTH



PHOTO: BLACK BEAN PRODUCTIONS

Eyes + ears. Data + intel. Predictive modeling.





BLACK MAMBAS: Who



- 33 young rural African women
- 33 sisters, mothers, aunties, wives and future grandmothers!
- We are teachers and leaders!
- Proud defenders of our wildlife treasures

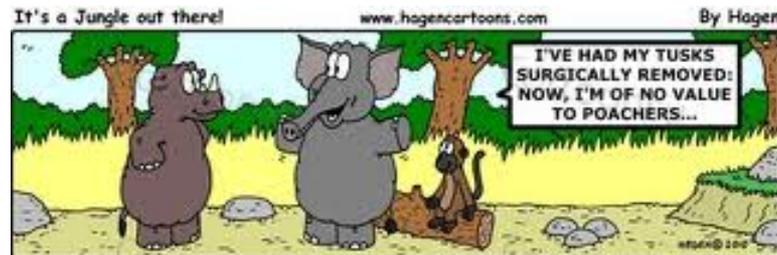


OBJECTIVES AND PREDICTED OUTCOMES

BUILDING ENVIRONMENTAL PATRIOTISM



- Early detection & crime prevention
- Monitoring, surveillance + compliance
- Community by-in and an open window into the adjacent communities
- Addressing the social decay + false economy created by rhino poaching



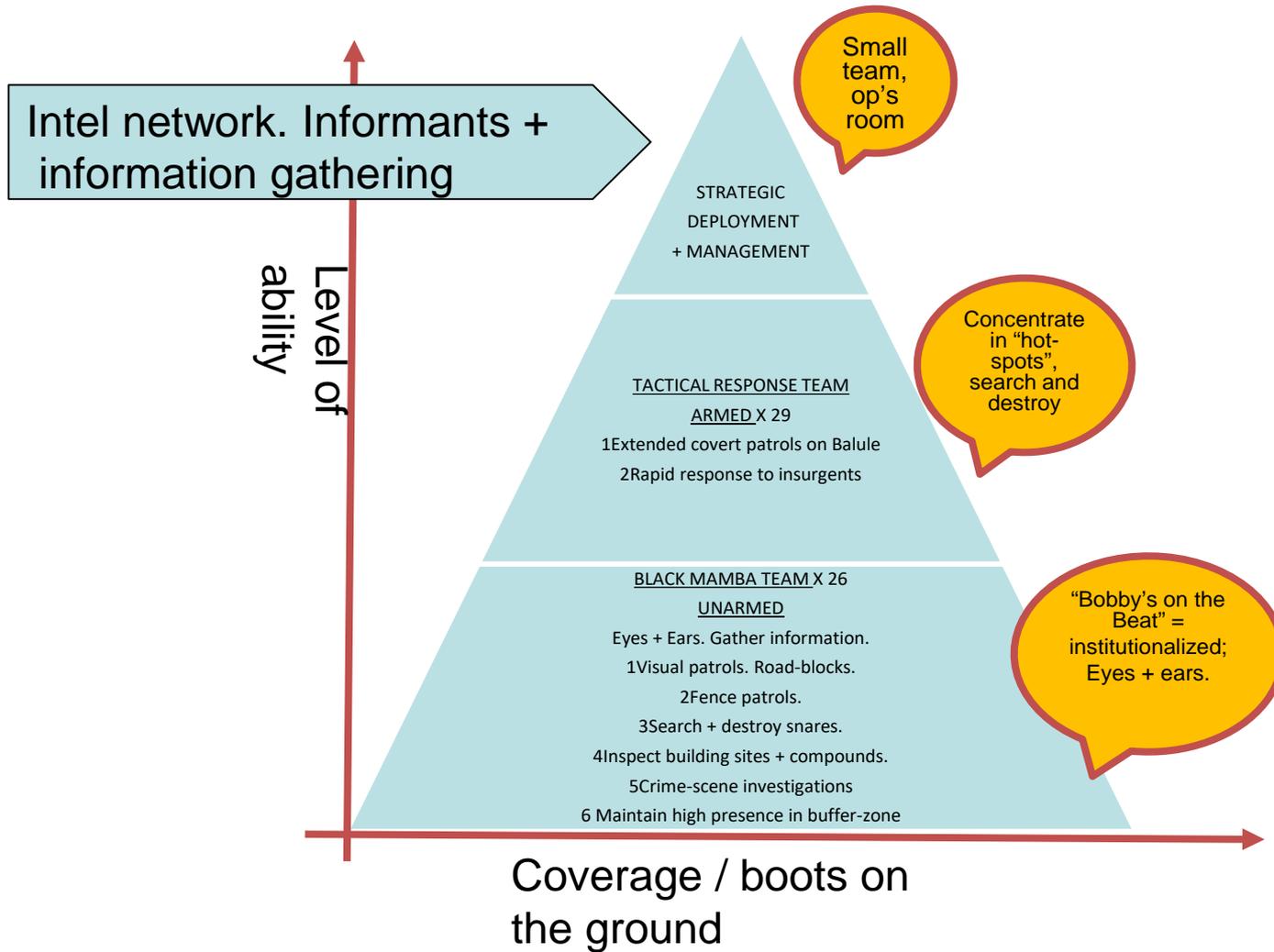


Its all about crime prevention!



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MONITORING, SURVEILLANCE + COMPLIANCE



COMMUNITY BENEFITS



PRIDE IN THEIR WORK, SKILLS DEVELOPMENT, SCHOOL ENGAGEMENT



- CREATING CONDUCTIVE TEACHING ENVIRONMENTS FOR TEACHERS.
- CREATING SAFE AND STIMULATING LEARNING ENVIRONMENTS FOR PUPILS.



- ARREST SOCIAL AND MORAL DECAY
- DON'T FEED THE FALSE ECONOMY OF POACHING

THEREFORE

- CAUTION AGAINST MILITARISING LOCAL COMMUNITIES
- BUILD CONSISTENCY IN REVENUE FLOW
- BUILD ACCOUNTABILITY FOR REVENUE GENERATED
- GENERATE PATRIOTISM TOWARDS THE WILDLIFE AREAS
- MAXIMISE BENEFITS (light industries: abattoirs, tanneries, etc.)
- SHARE RESPONSIBILITIES (BOTH CONSUMPTIVE AND NON-CONSUMPTIVE INDUSTRIES)
- TOTAL TRANSPARANCY TO ALL INTERESTED AND AFFECTED (proper reporting structures in place)
- REWARD HONESTY – HONESTY VERIFICATION PROCEDURES

We are role models:



We have pride and self worth!



WE ARE CHAMPIONS OF THE EARTH!!



**WE CHERISH LIFE!
WE DO NOT WANT TO LIVE IN A VILLAGE
OF WIDOWS AND ORPHANS!**



WE DO NOT WANT TO LIVE IN A
WORLD WITHOUT WILD ANIMALS



We are bread-winners:

We have respect:

We have pride:

We have skills:

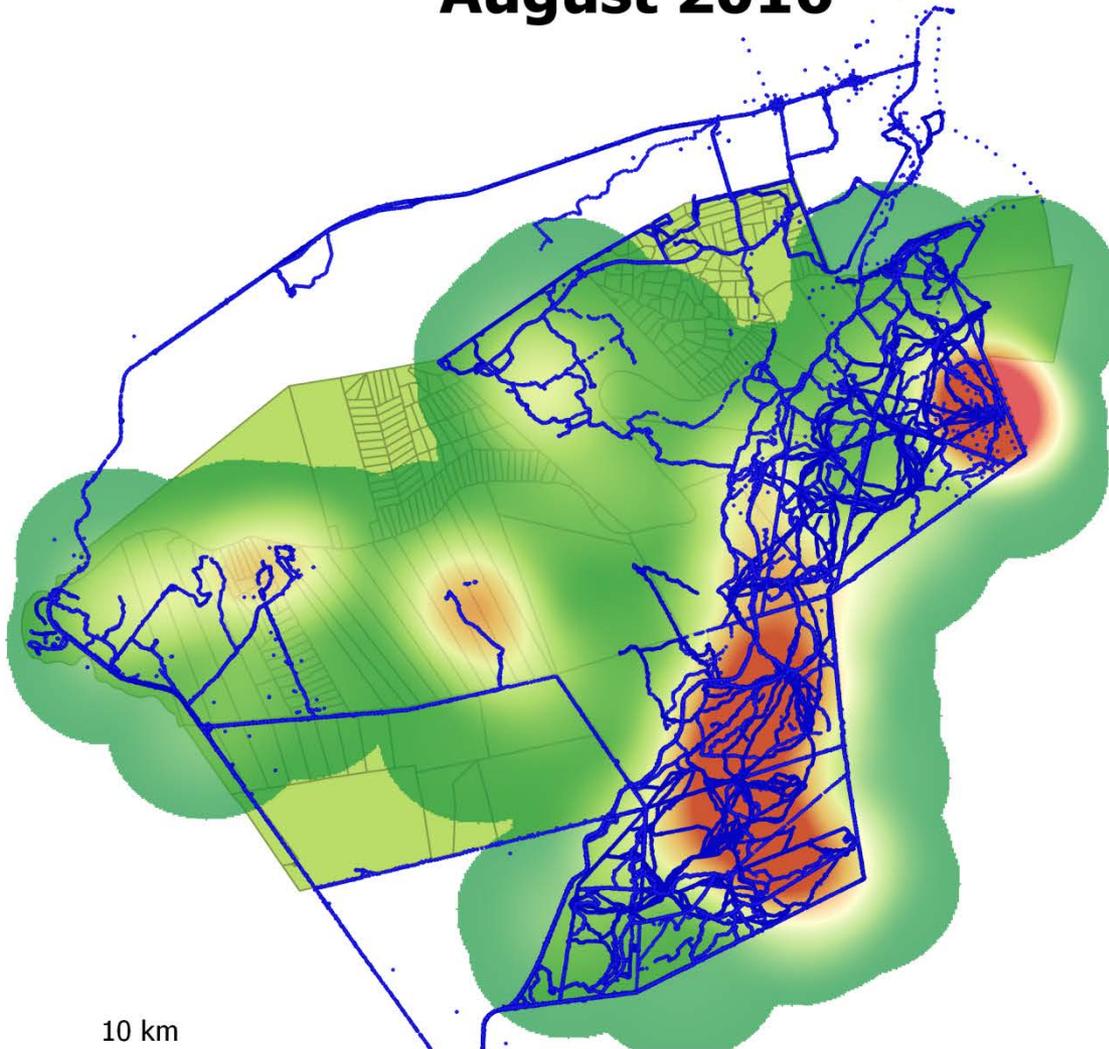
We have dignity:

We have an Identity

We are a family!

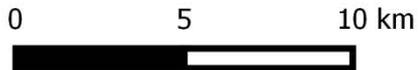


Patrol Coverage Compared with Rhino Densities August 2016



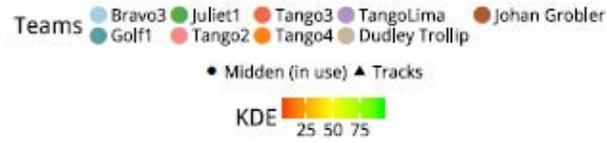
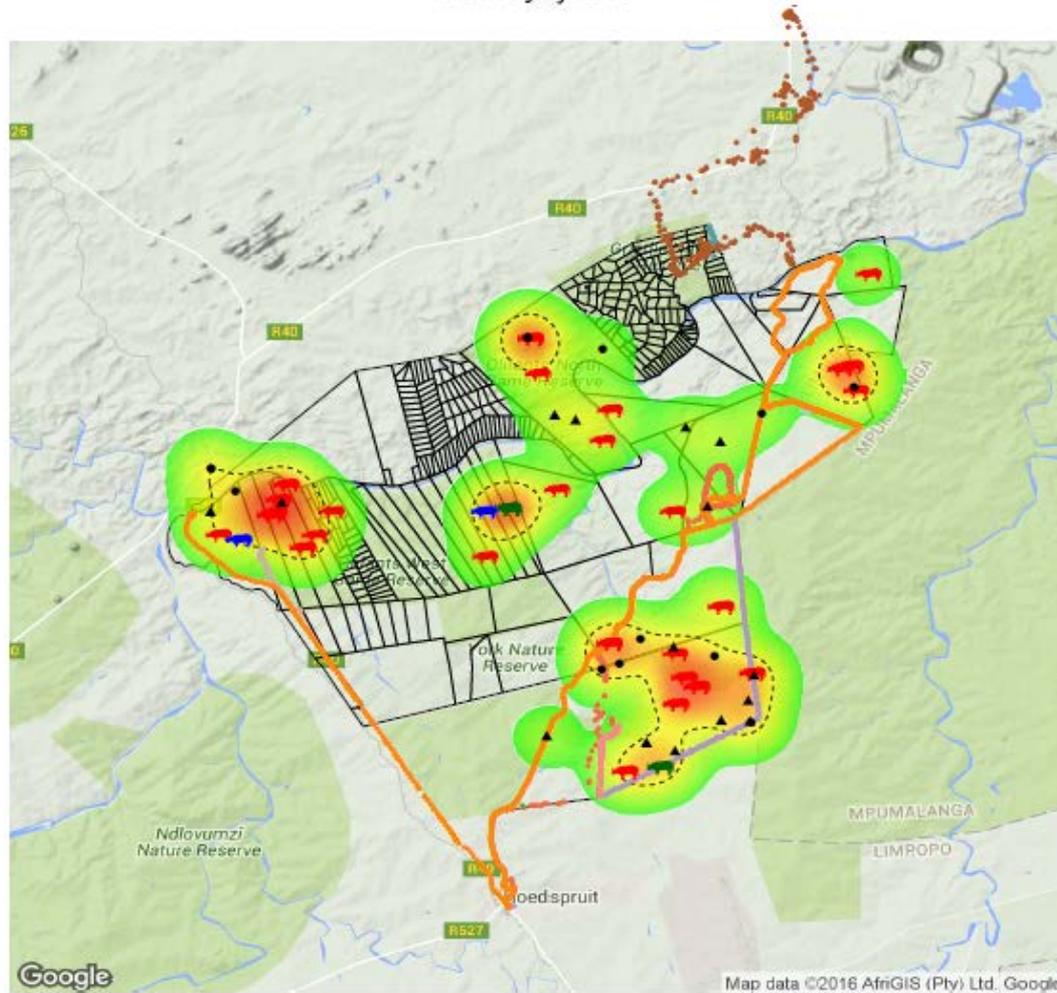
Legend

- Balule Nature Reserve
- Patrol Routes
- Heatmap of Rhino Densities
- 0.000000
- 8.478525
- 16.957050
- 25.435575
- 33.914100



Daily report for Managers

Patrol Coverage and Rhino Densities
Sun 10 July 2016



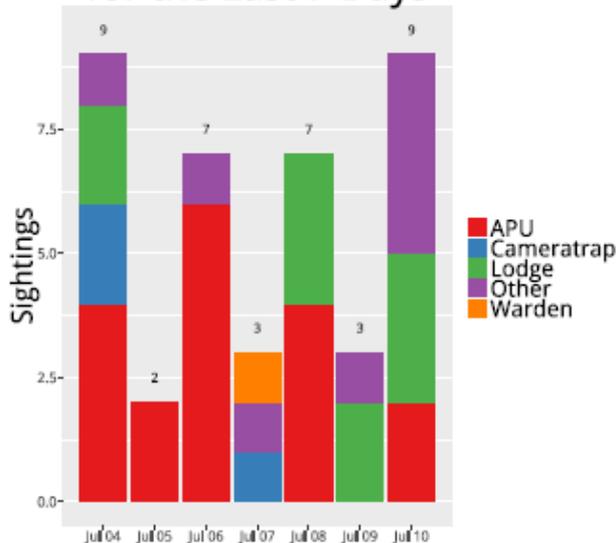
APU PERFORMANCE: DAILY EVALUATION

Patrols Summary

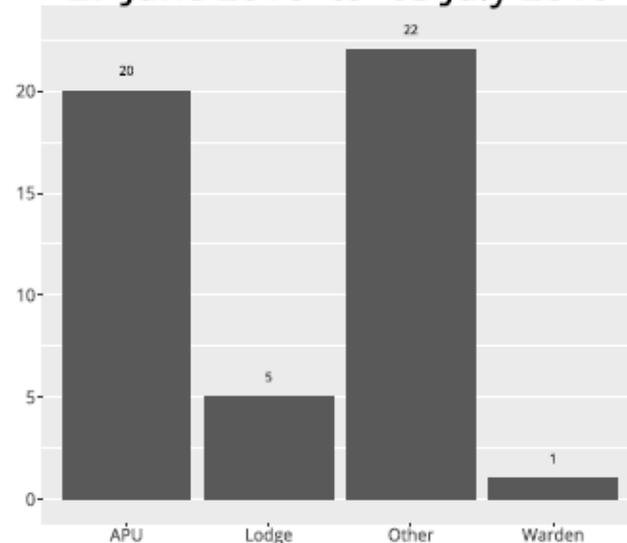
ID	Start	End	Distance (km)	Hours being tracked	Area (km2)
Bravo3	2016-07-10 09:57:04	2016-07-10 16:18:22	12.2	0.4	0.02
Golf1	2016-07-10 10:15:58	2016-07-10 10:57:42	3.1	0.7	0.07
Juliet1	2016-07-10 07:10:42	2016-07-10 07:10:42	0.0	0.0	0.00
Tango2	2016-07-10 15:58:33	2016-07-10 17:07:51	27.3	1.2	0.20
Tango3	2016-07-09 17:00:09	2016-07-10 17:10:42	43.3	11.1	0.93
Tango4	2016-07-09 17:48:38	2016-07-10 11:09:53	134.7	6.1	2.44
TangoLima	2016-07-09 17:00:04	2016-07-10 17:10:51	26.1	1.9	0.65
Dudley Trollip	2016-07-09 17:03:57	2016-07-10 06:19:09	6.2	13.3	0.22
Johan Grobler	2016-07-09 17:02:02	2016-07-10 10:53:30	104.0	3.3	0.70
Total			356.9	38.0	5.23

APU effectiveness can be measured by number of rhino sighted on patrol = deployed in the correct areas to afford protection.

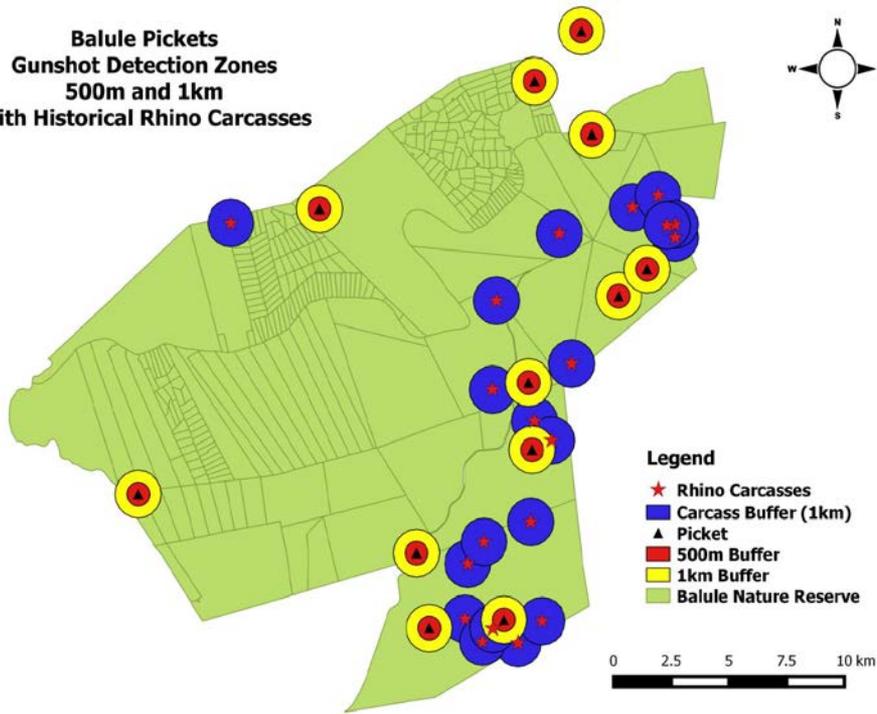
Rhino Sightings for the Last 7 Days



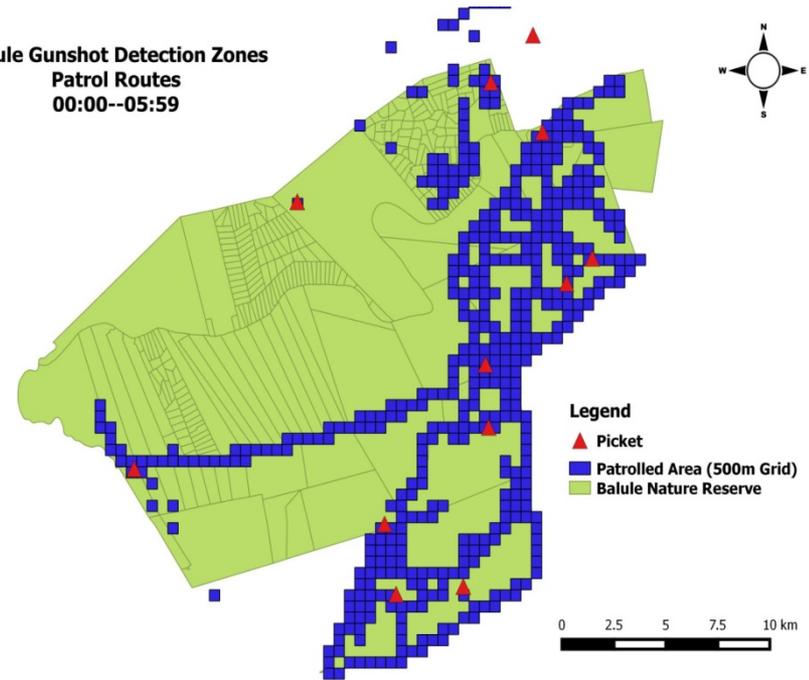
Rhino Sightings 27 June 2016 to 03 July 2016



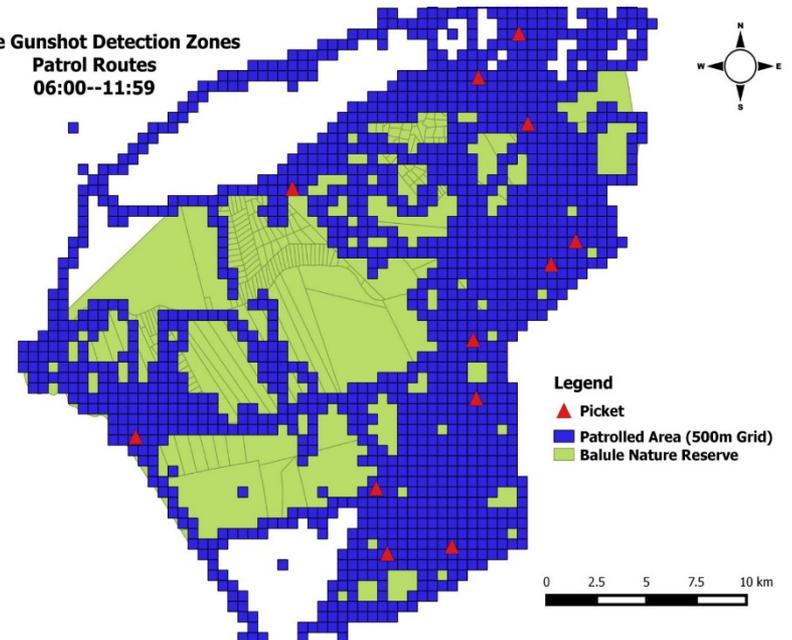
**Balule Pickets
Gunshot Detection Zones
500m and 1km
With Historical Rhino Carcasses**



**Balule Gunshot Detection Zones
Patrol Routes
00:00--05:59**



**Balule Gunshot Detection Zones
Patrol Routes
06:00--11:59**



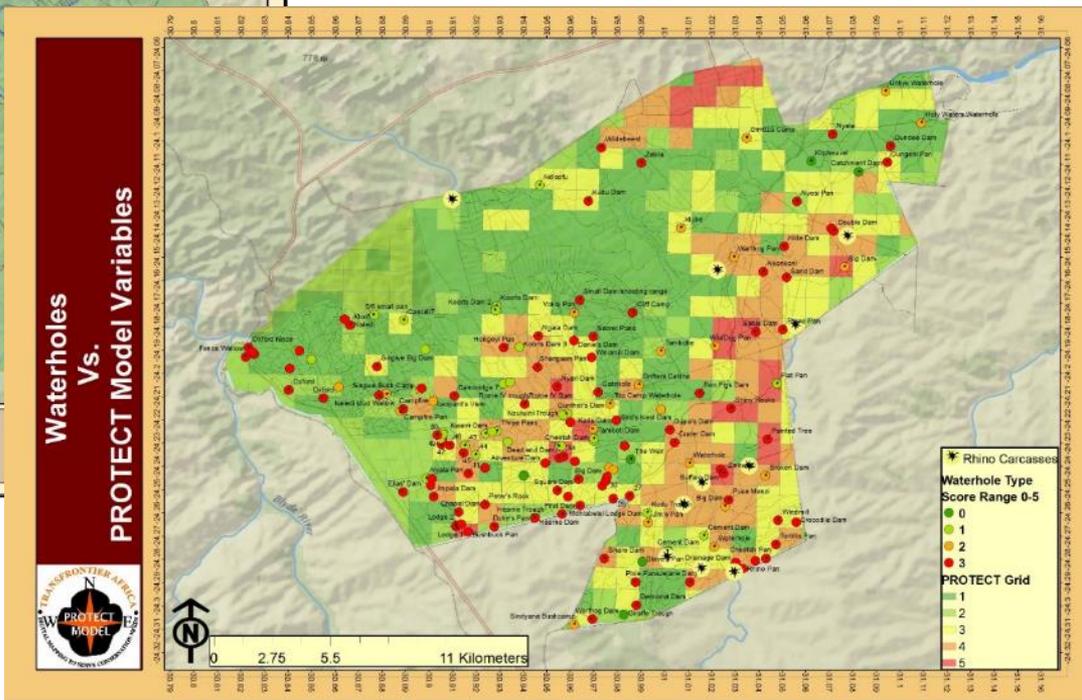
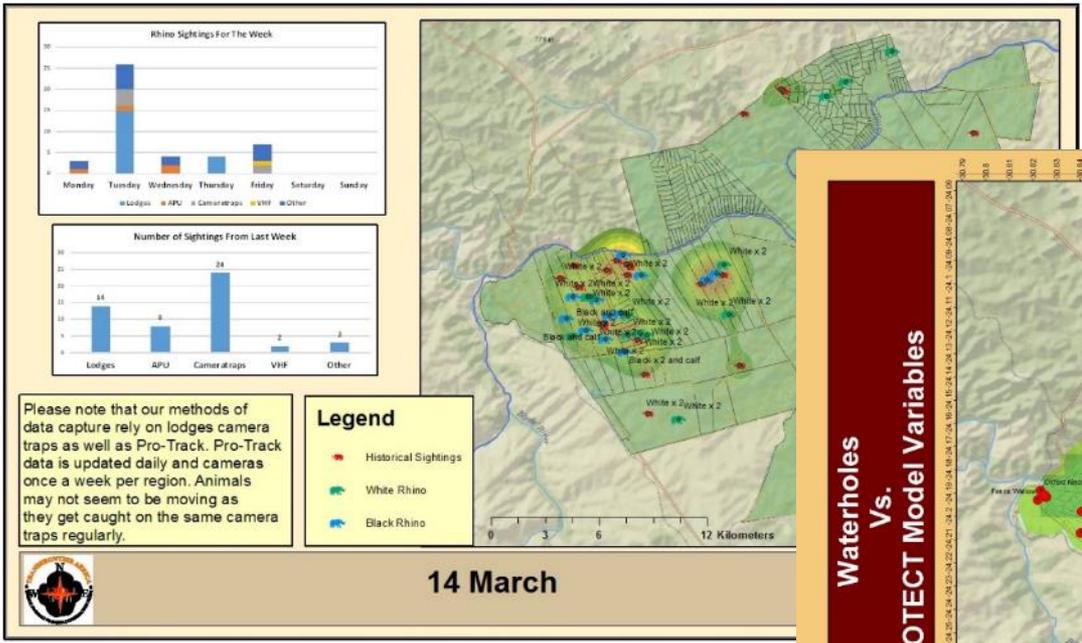
Resources deployed to enhance early detection:

1. Patrols detect incursions
2. Cameras detect incursions
3. Pickets placed to detect gunshots and rapid response



Tracking outcomes = P.R.O.T.E.C.T Model

Predictive Routine Observation Theory Enhancing Conservation Techniques



How do we do this?

- 5 x Mamba Station on and around Balule + Tribal land



Daily foot patrols on boundaries



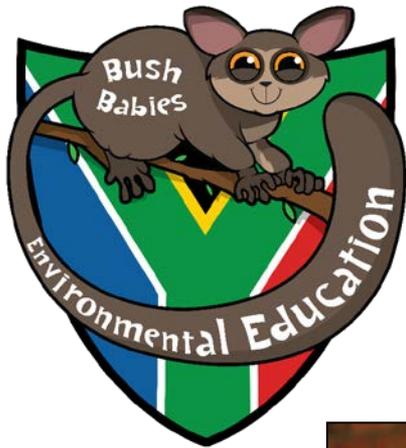
Vehicle patrols at night:



Regular roadblocks + vehicle checks



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BUSH BABIES PROGRAM



- 11 Local primary schools
- 960 young children

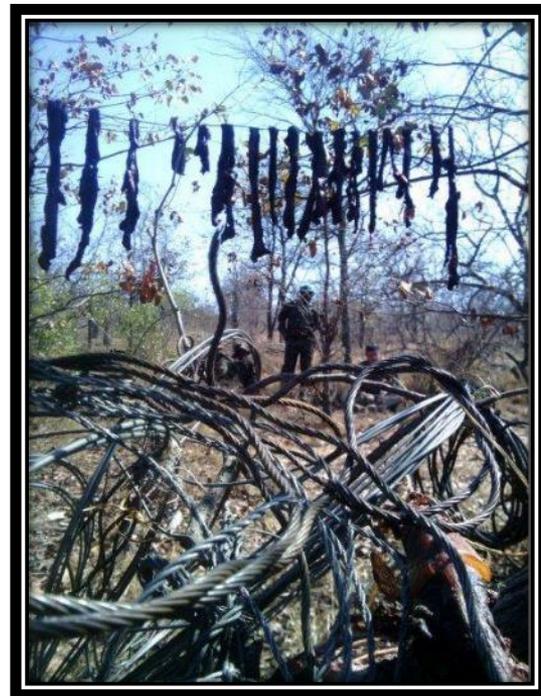
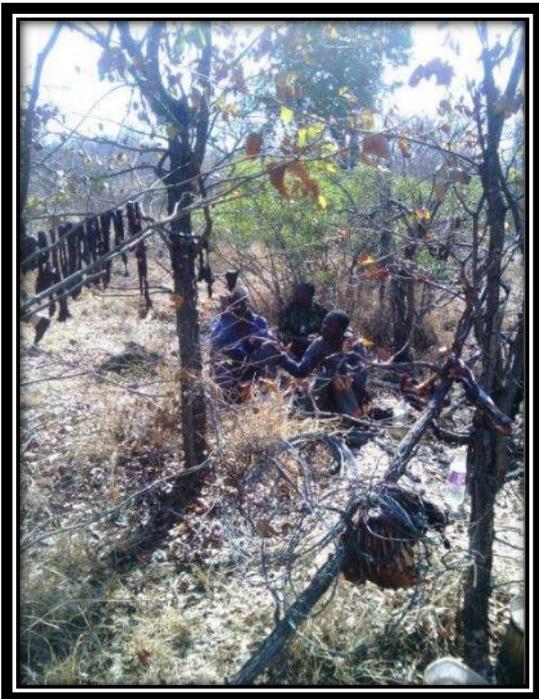
Build Resources at each school

Plant liaison officers



FIRMER ATTITUDE TOWARDS GATE-WAY CRIMES

- If a person can sneak into a reserve and set snares, he can evolve into a poacher.
- Small-time poachers run the same risks and organized crime gangs.
- Local knowledge already gained
- Contacts in place
- BROKEN WINDOW SYNDROME



B.M = BLACK MAMBA
B.M = BEST MOTHER
B.M = BE MORE!



Can We Build Resilience For WildLife Areas in Africa: Build a Patriotic Community for Wildlife

- Sustain / prop up key Role-models – focus investment.
- Continuity in investments.
- Ensure integrity / accountability for investments (caution to feed the corruption monster).
- Develop skilled service-providers in the communities. Phased.
- Support local industry.

THANKS YOU FOR YOUR FAITH, TRUST AND SUPPORT!



www.blackmambas.org