

SA, 122 mil ha, is a country rich in biodiversity: In the top 5 mega-diverse in the world

81 mil ha
agric land
& human
settlement
(altered)



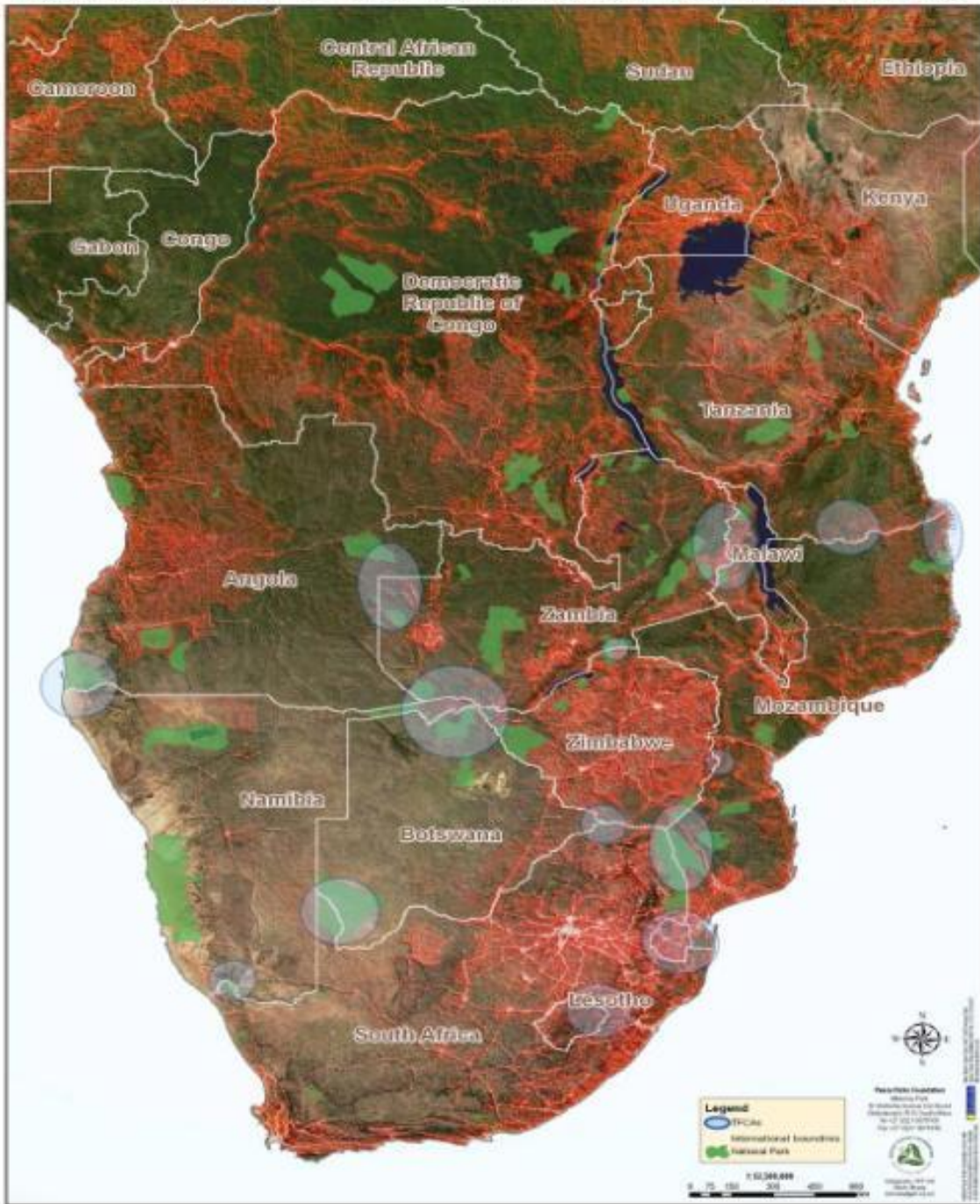
315 state PAs, 7 mil ha
about 6% land area



- Excludes +9,000 registered Private GRs; 17 mil ha

- 17 mil ha mixed use (unregistered)

Human footprint & SADC Transfrontier Conservation Areas



Human footprint

Required immediate responses by Management Authorities



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David Mabunda
Hector Magome



South African
NATIONAL PARKS

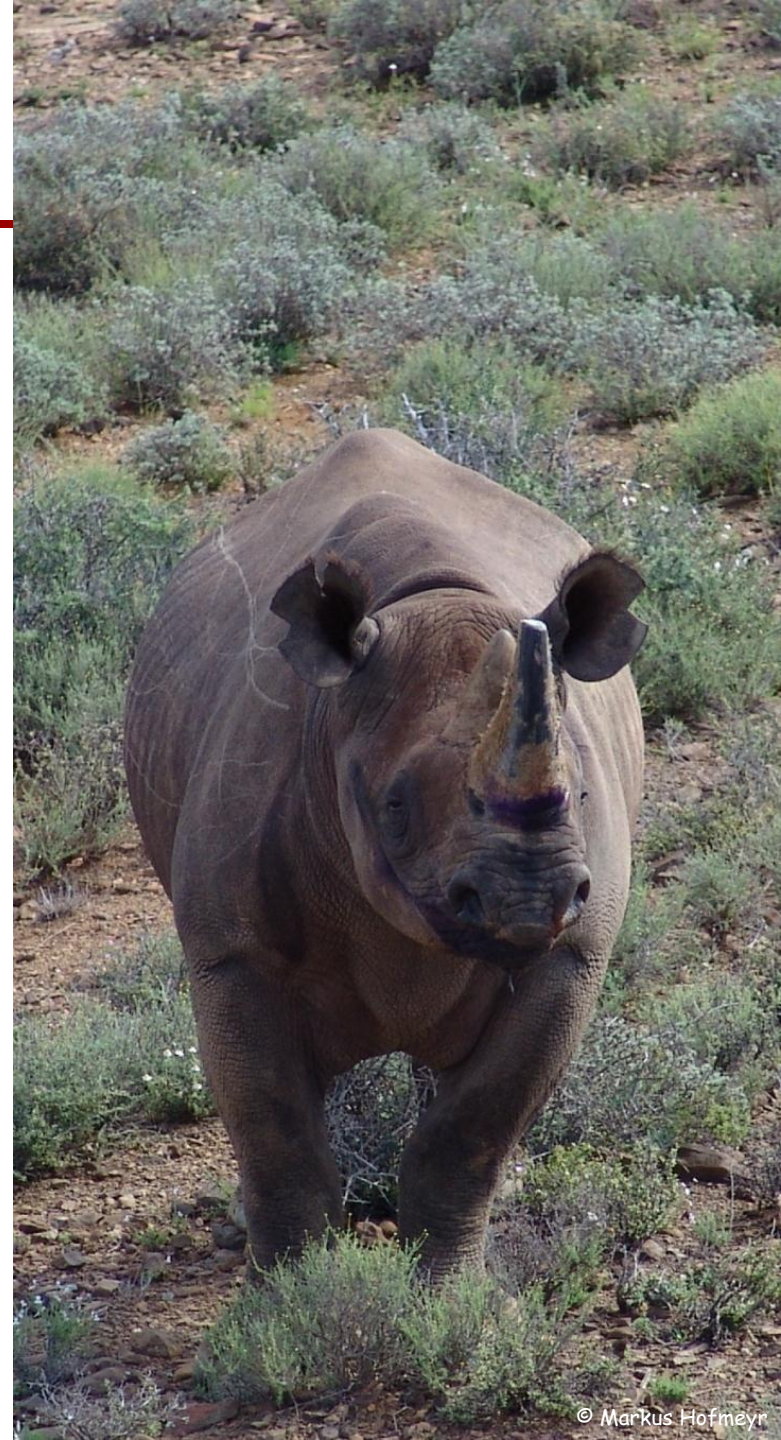


South African
NATIONAL PARKS

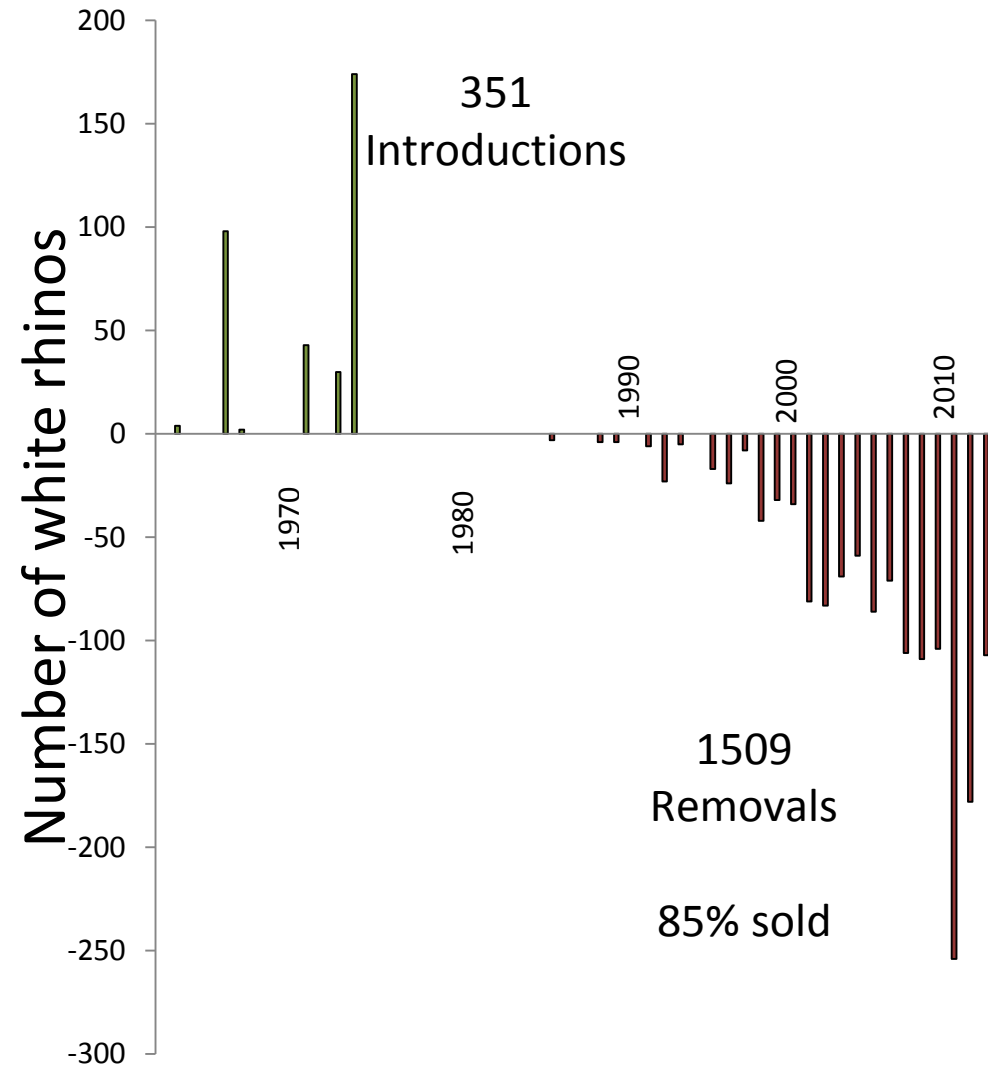
Gallagher Estate, July 2012

Rhino values

- Purist conservation value
 - Persistence of species
- Ecological role
 - Ecological engineer
- Economic value
 - Non-consumptive
 - Rhino trading
 - Ecotourism
 - "Consumptive"
 - Hunting
 - Medicinal



White rhino population manipulation in Kruger



Ownership	White rhino	Black rhino
Private land	4531	446
SANParks	10605	775
Provincial	3644	695
Totals	18780	1916

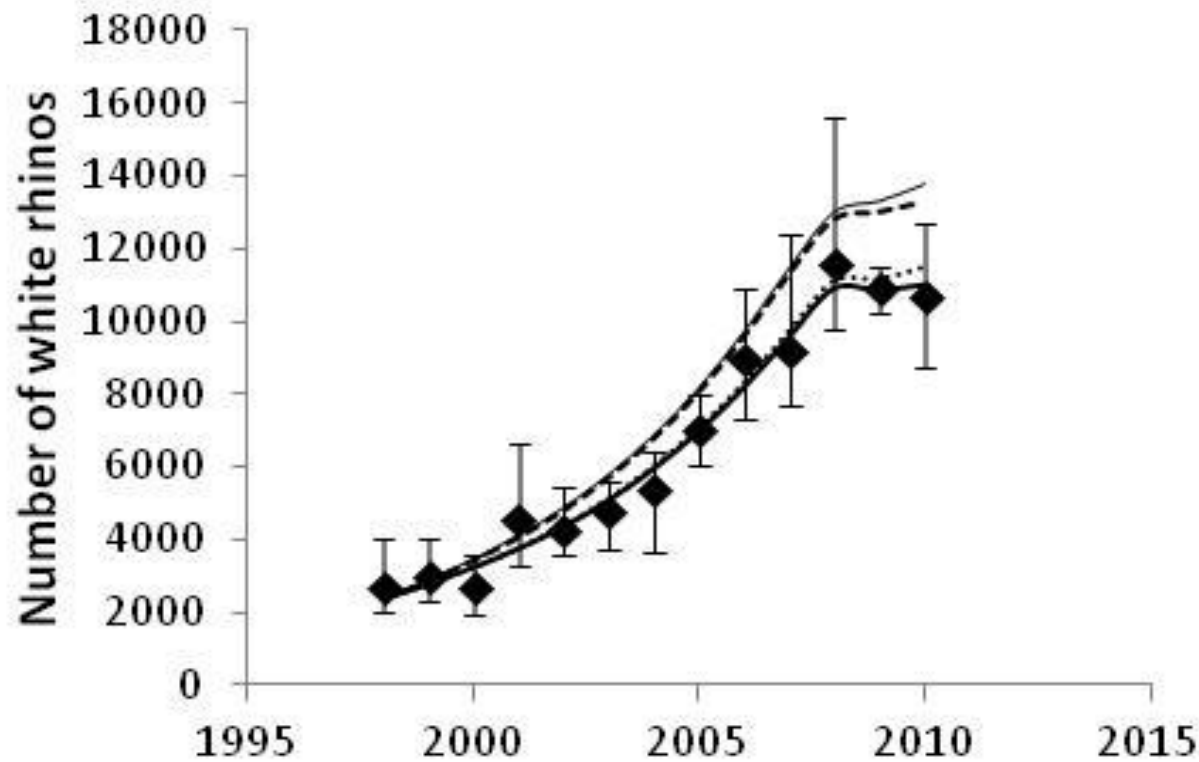


Ministers National Strategy 2010

- Immediate action plan
- Shared commitment
 - Financial
 - Manpower
 - Political will
- Central Structure
 - Law enforcement
 - Investigation
 - Prosecution
- Information management
- Pro-active security



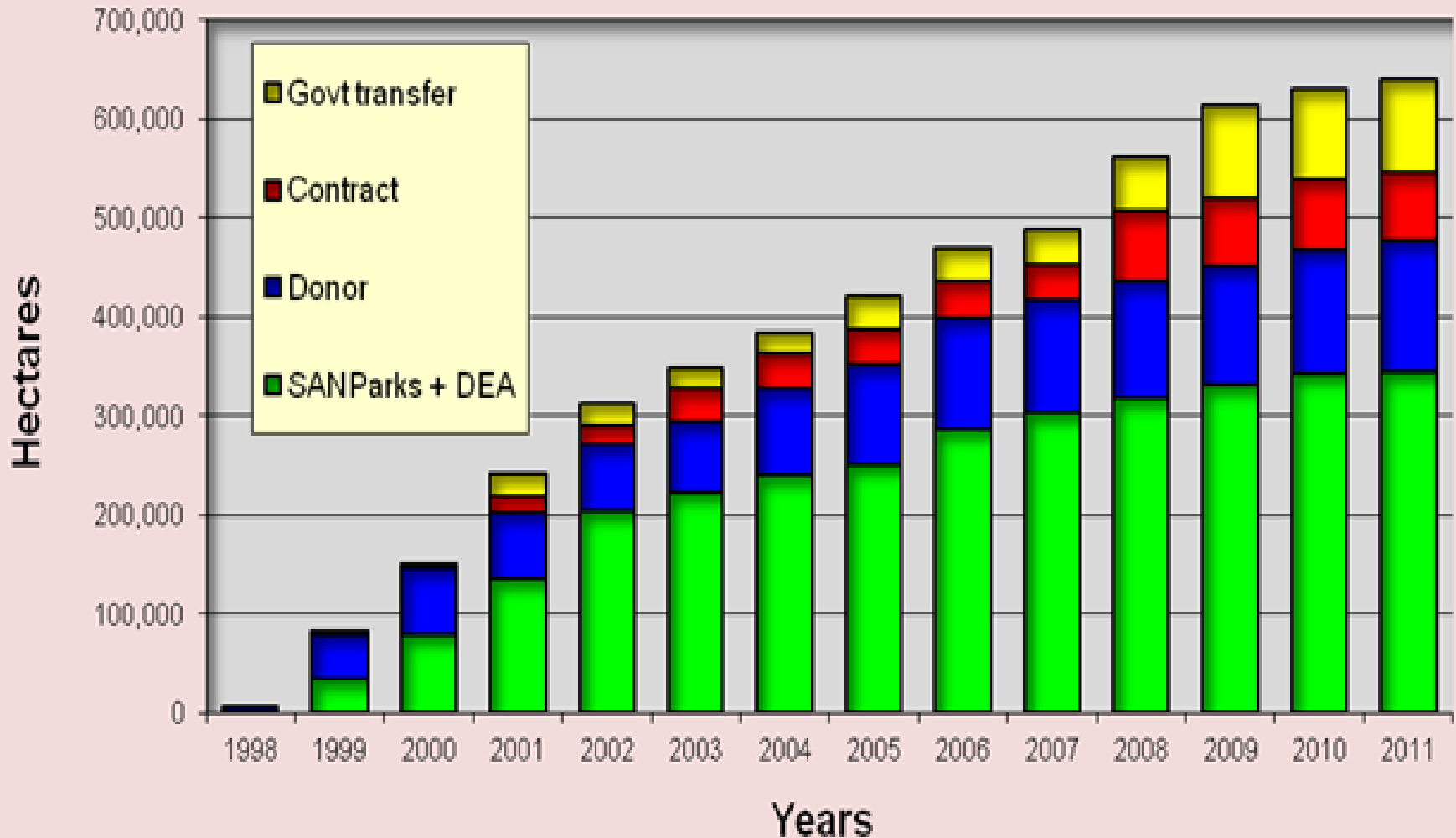
White rhinos in Kruger



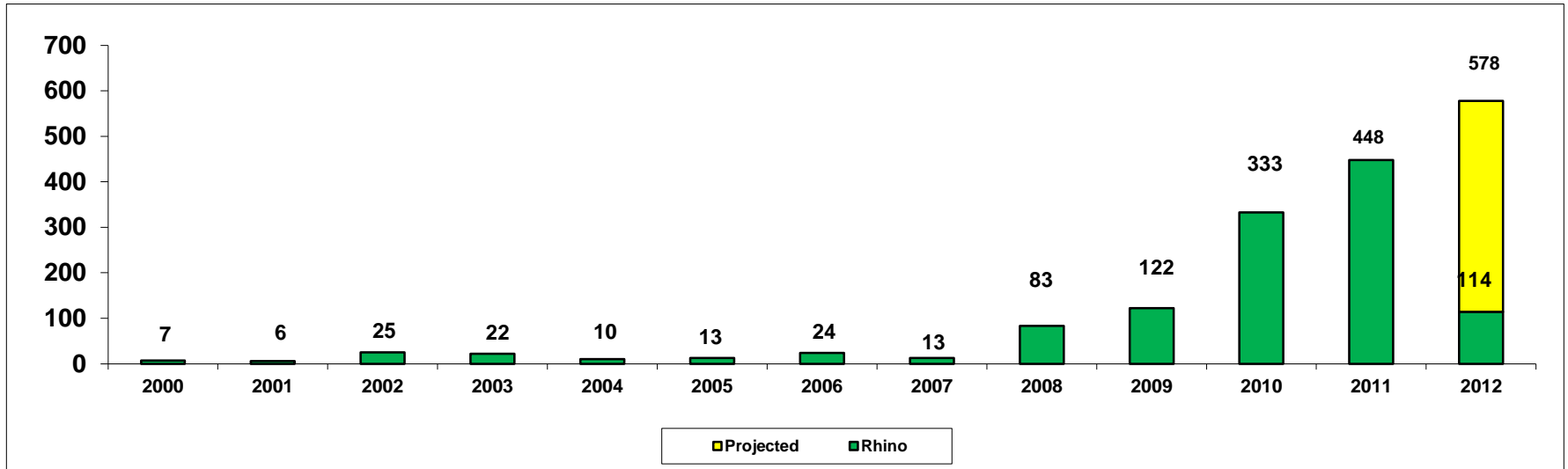
Ferreira, Botha & Emmett 2012



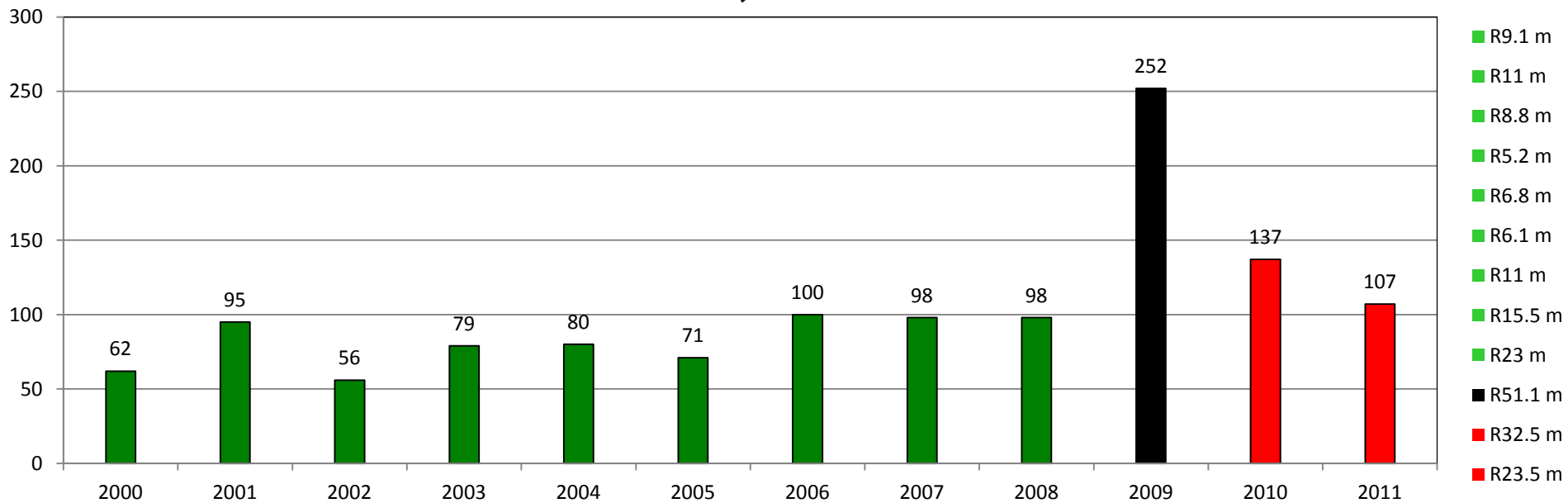
White rhino and land purchase in SANParks



SA Rhino Poaching, 2000 – 2012 (March)



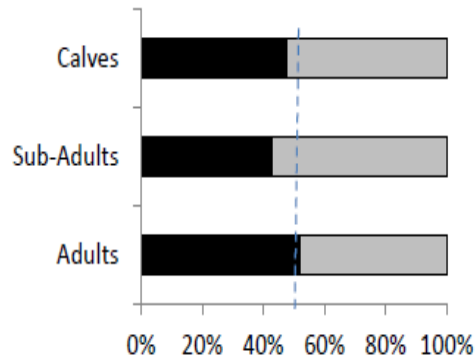
SANParks Rhino Sales, 2000 – 2011



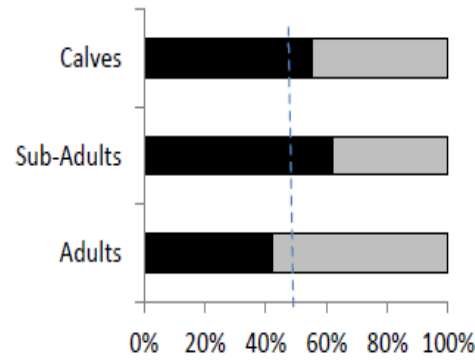
Where are we going?

Management

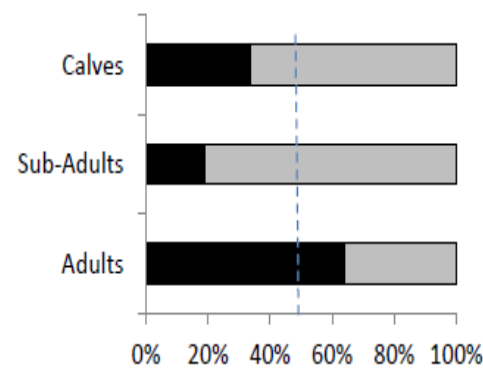
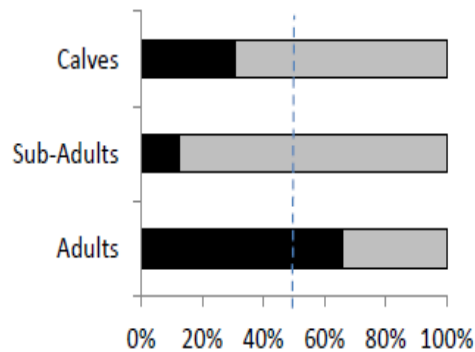
Males



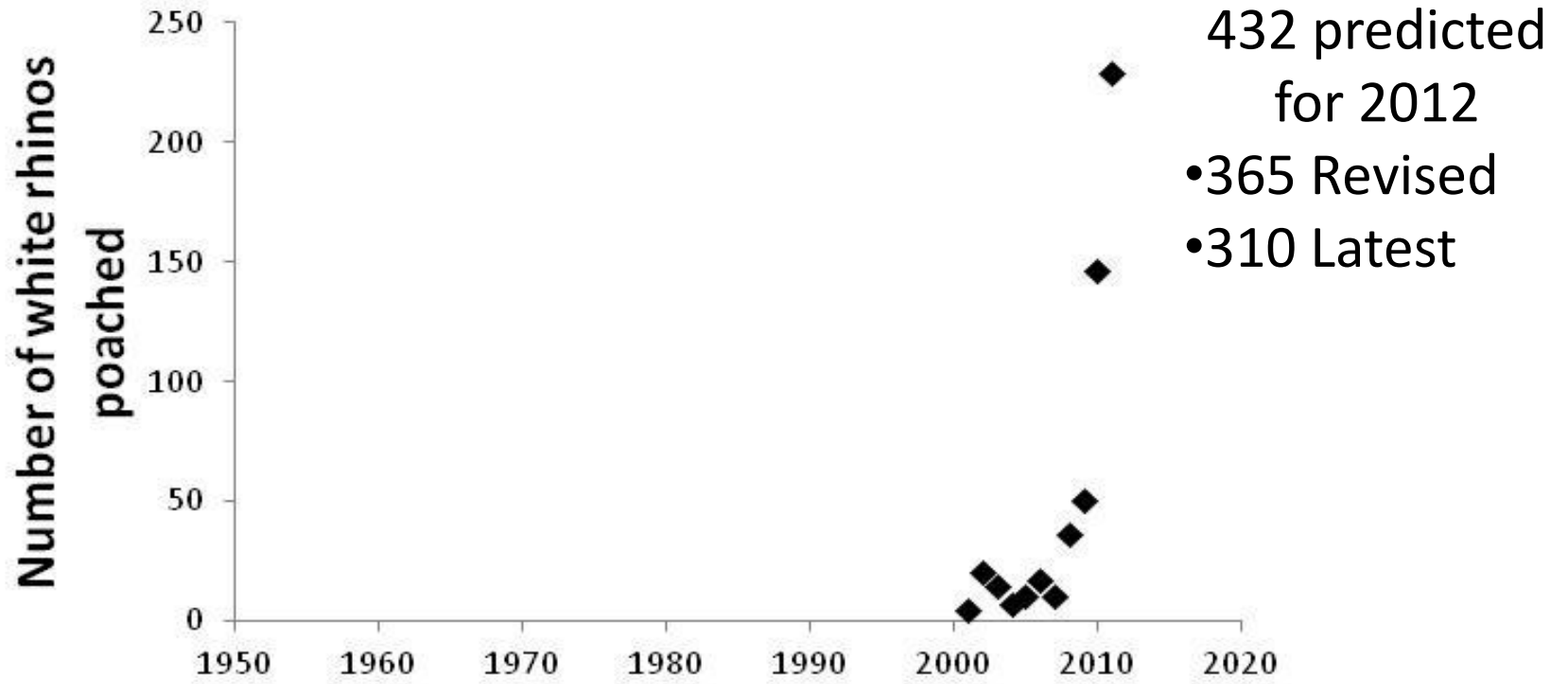
Females



Poaching



- Poachers may remove as many rhinos in 2012 as what the managers wanted to remove
- Range expansion value may be reduced
- Revenue generation lost
- At this rate, by 2016 a detectable decline in rhinos may be observed



Generalized approach

