BOOPHONE DISTICTA MUTHI HARVESTING

RAISING ENVIRONMENTAL AWARENESS AND RESPONSIBILTY

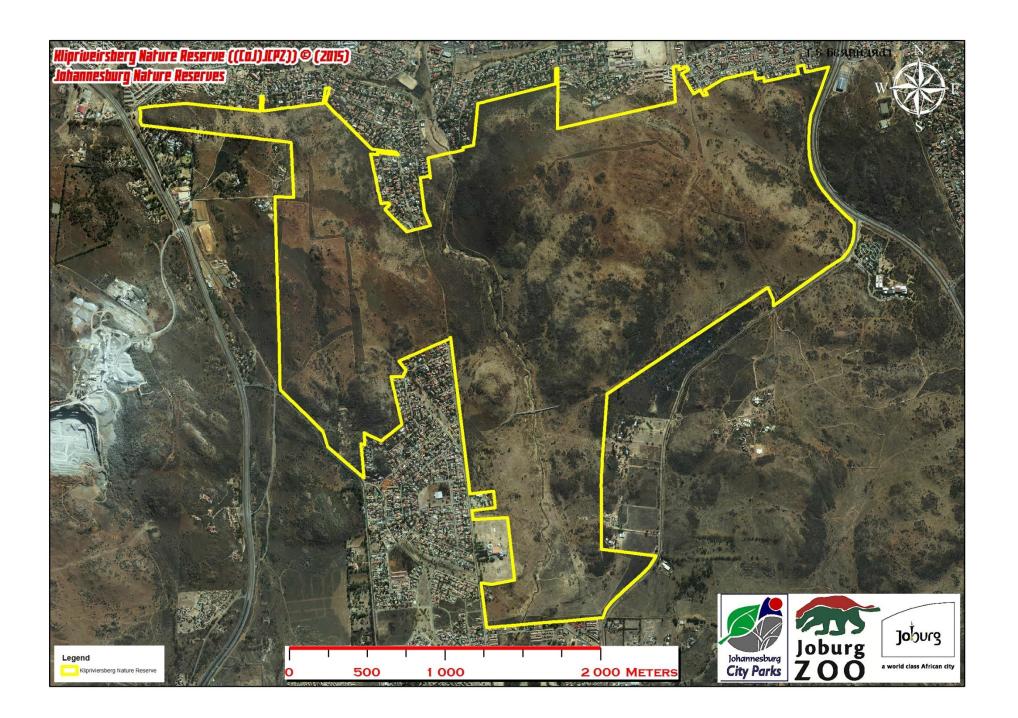
Theo Bernhardt

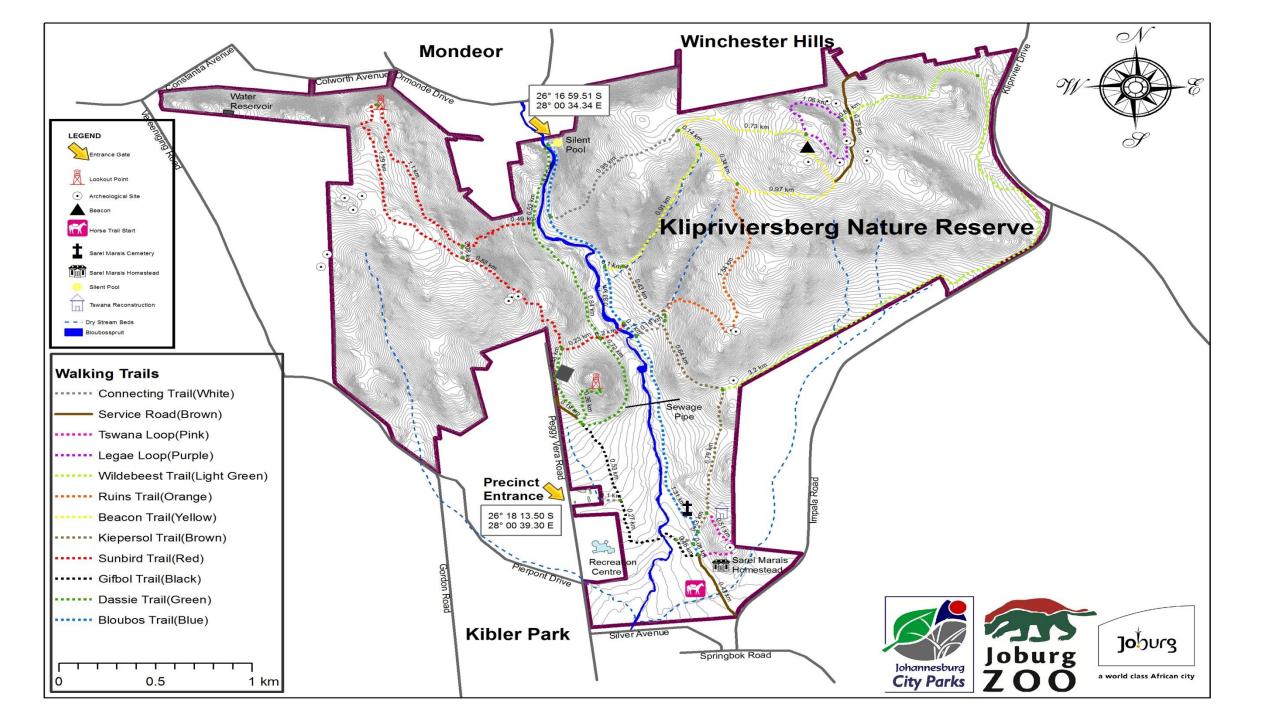
Johannesburg City Parks and Zoo

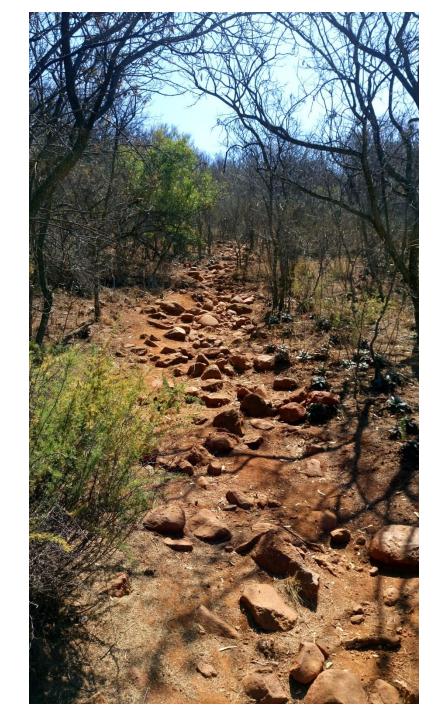
Corporate Research and Knowledge Management

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Diggings?



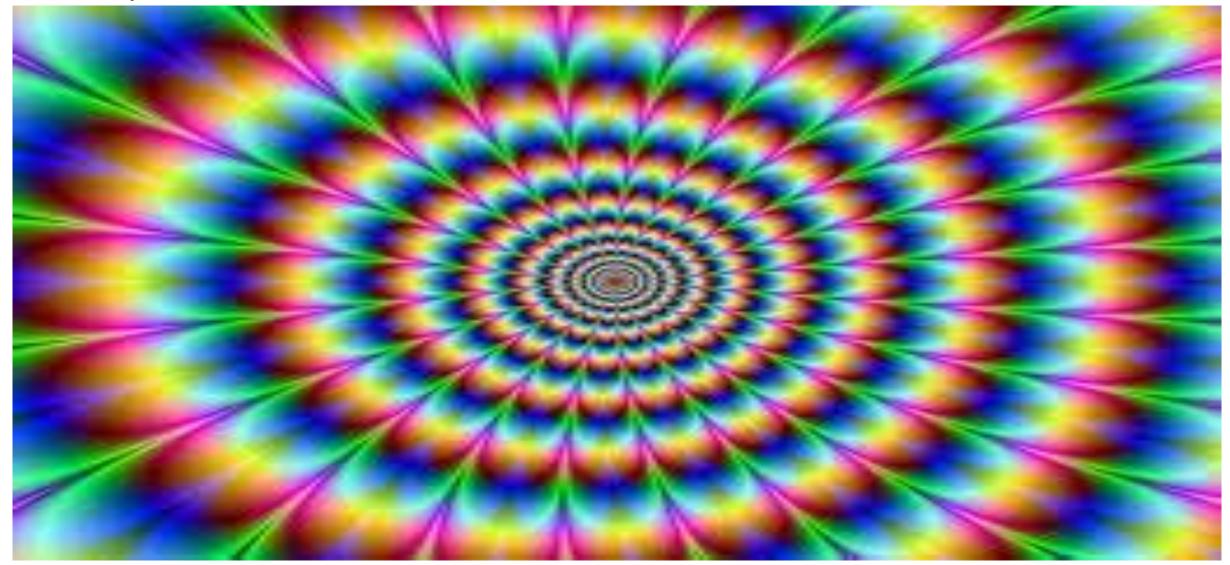




Boophone Disticta, also known as:

- Gifbol
- Kopseerblom
- Lesoma
- Tumblehead
- Perdespook

Psychoactive....



"Bhayiskhobho" or 'Mirror"



• Bous = Cattle



• Phone= Poison



Plant used for:

- Divination.
- Sorcery.
- Ancestral Worship.
- Considered 'Plant teachers'.

Medicinal Uses

- Wound dressing.
- Abscesses
- Ulcers
- Headaches
- Chest and abdominal pains
- Eye conditions
- Asthma relief



Faraday Market



Mai Market



Example of Adult Specimen





Area of Harvest



Addressing the Problem.... Action Plan

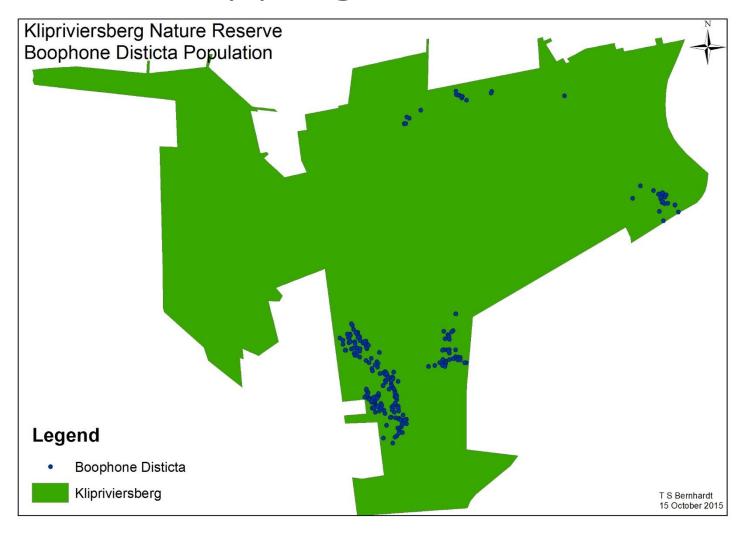
- Data capturing using GPS.
- Plant Mapping from collected GPS data.
- Reserve entry point capturing and mapping.
- Reserve equipment requirements.
- Cultivation Options
- Legislation
- Stakeholder Engagement and Raising awareness.

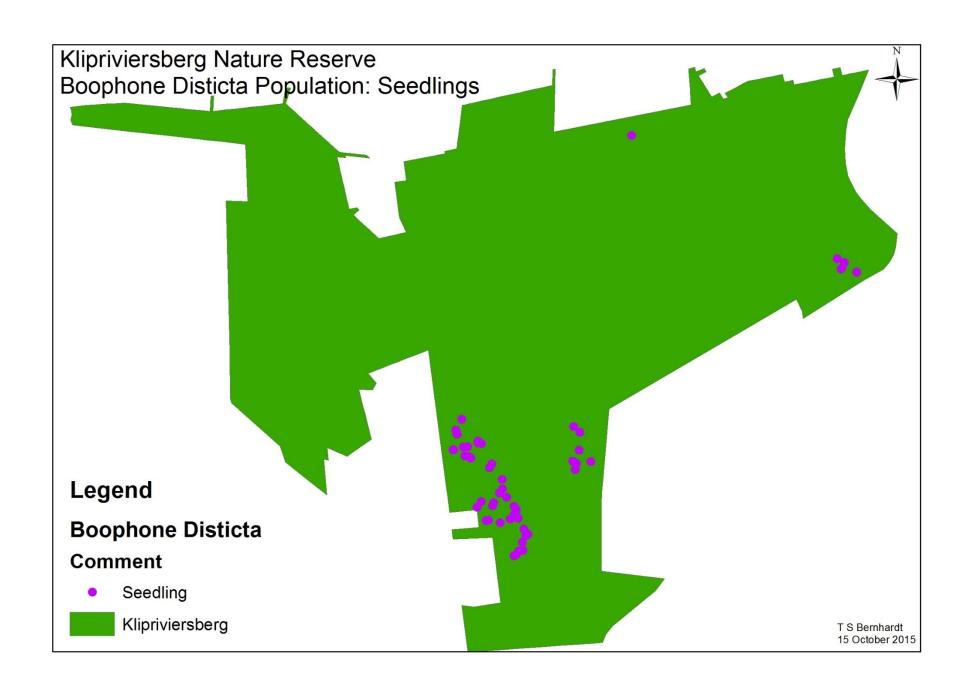
Data Collection Using GPS

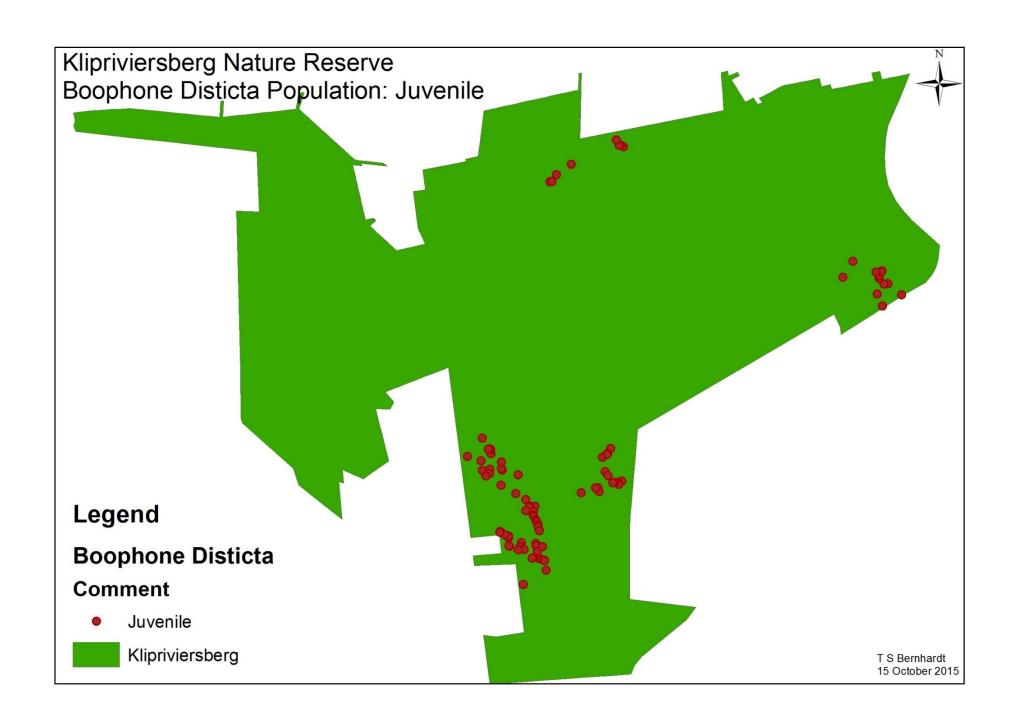


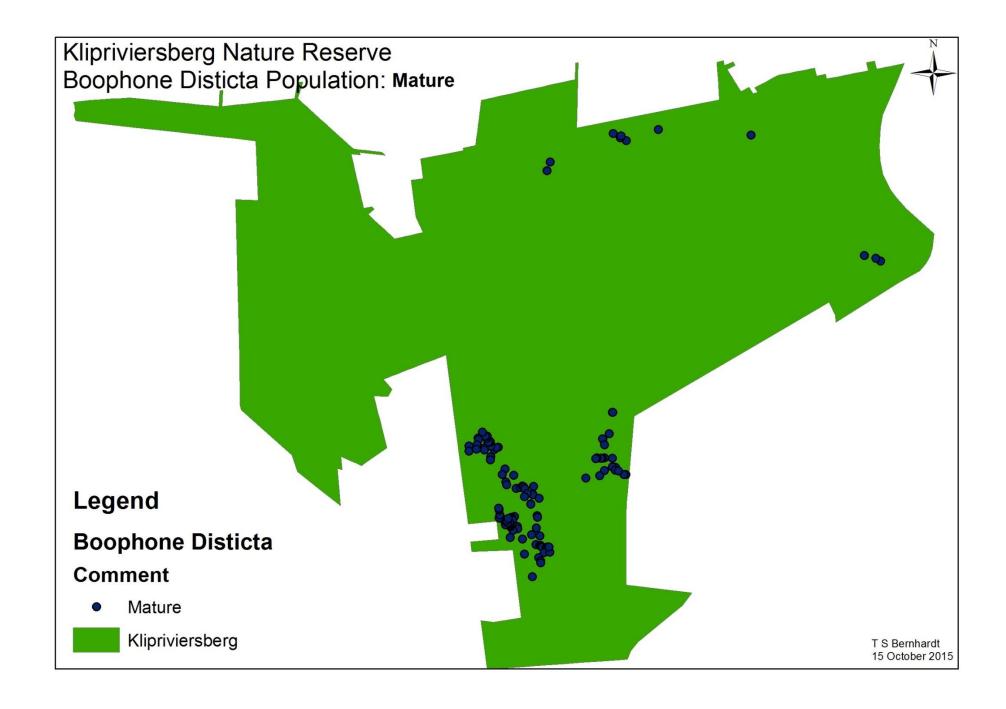


Plant Mapping







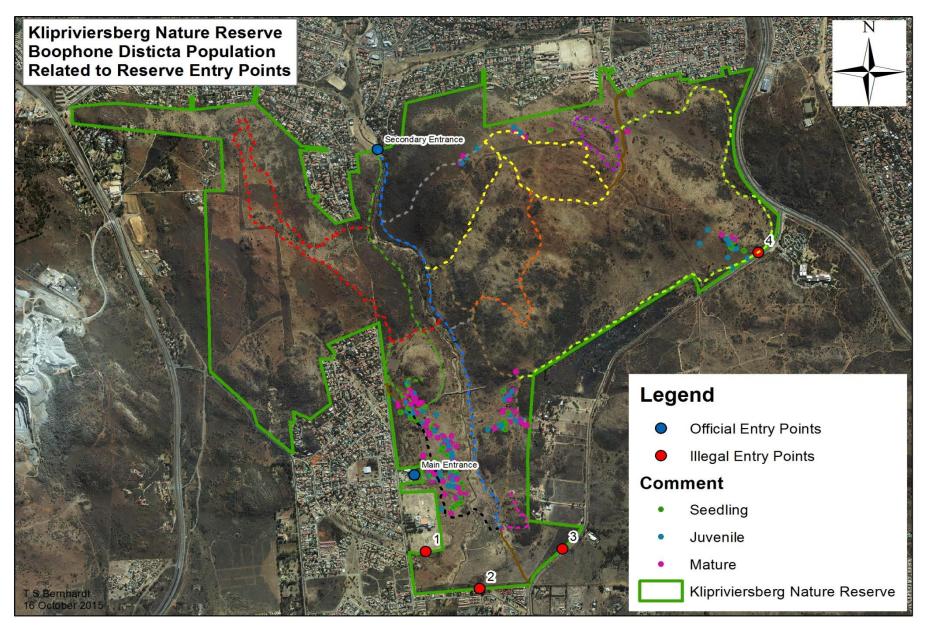


Age of Specimen	Count	Percentage of total
Seedling (Bulb size 1-10 cm)	62	20.46%
Juvenile (10 -15 cm)	107	35.31%
Mature (15+ cm)	134	44.22%
Total	303	100%

Stem removal



Reserve entry point capture and mapping











Reserve Equipment Requirements



Impact?



Reliability?

Cultivation Options

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Legislation



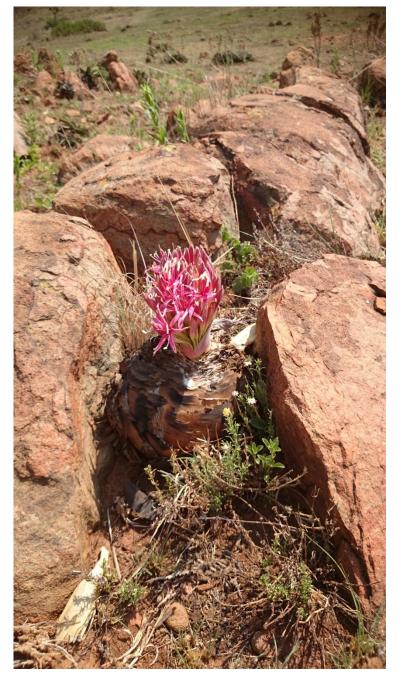
Stakeholder Engagement and Raising Awareness





Conclusion





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