

Some results from the national survey (2010-2012) on the extent and control of Seriphium plumosum (Bankrupt bush/Slangbos).



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Natural
Resources
Inventories
Assessments

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DAFF: Directorate Land Use & Soil Management



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National Survey 2010-2012



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BANKRUPT BUSH SURVEY
also known as SLANGBOS,
VAALBOS or STOEBE.

FARM INFORMATION
FARM NAME (As registered in the deeds) _____
FARM NO: _____ SUBDIVISION NO: _____
NEAREST TOWN: _____
GPS COORDINATES (if available) S: _____ E: _____

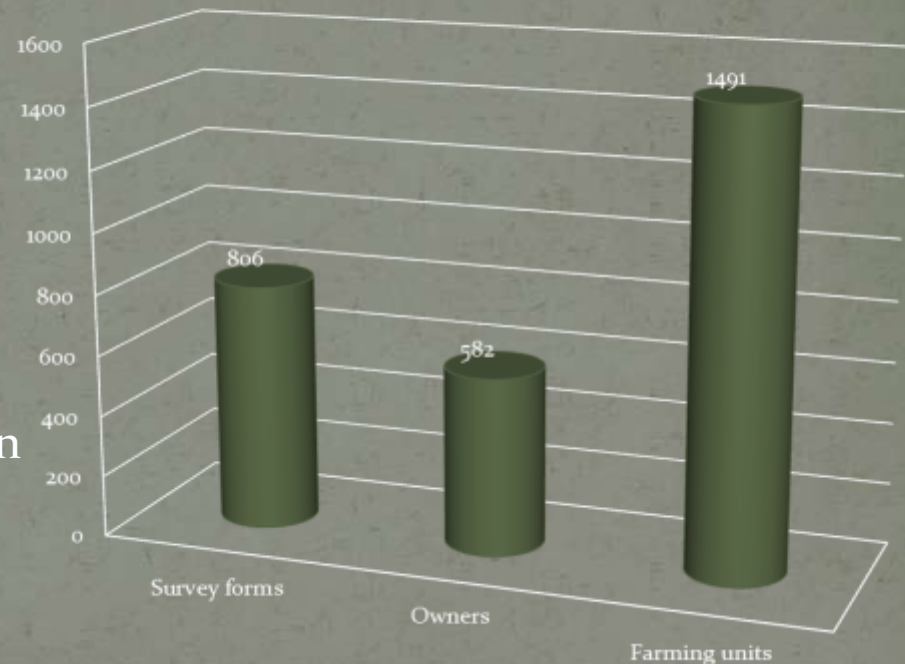
OWNER INFORMATION
OWNER: _____ Cell no: _____ E-mail: _____
MANAGER: _____ Cell no: _____ E-mail: _____
POSTAL ADDRESS: _____

BANKRUPT BUSH INFORMATION
A. ESTIMATE OF HA INVADED _____ ha
B. DENSITY: 25% 50% 75% 100%

C. TOPOGRAPHY (Circle applicable numbers where Bankrupt Bush occurs in landscape)

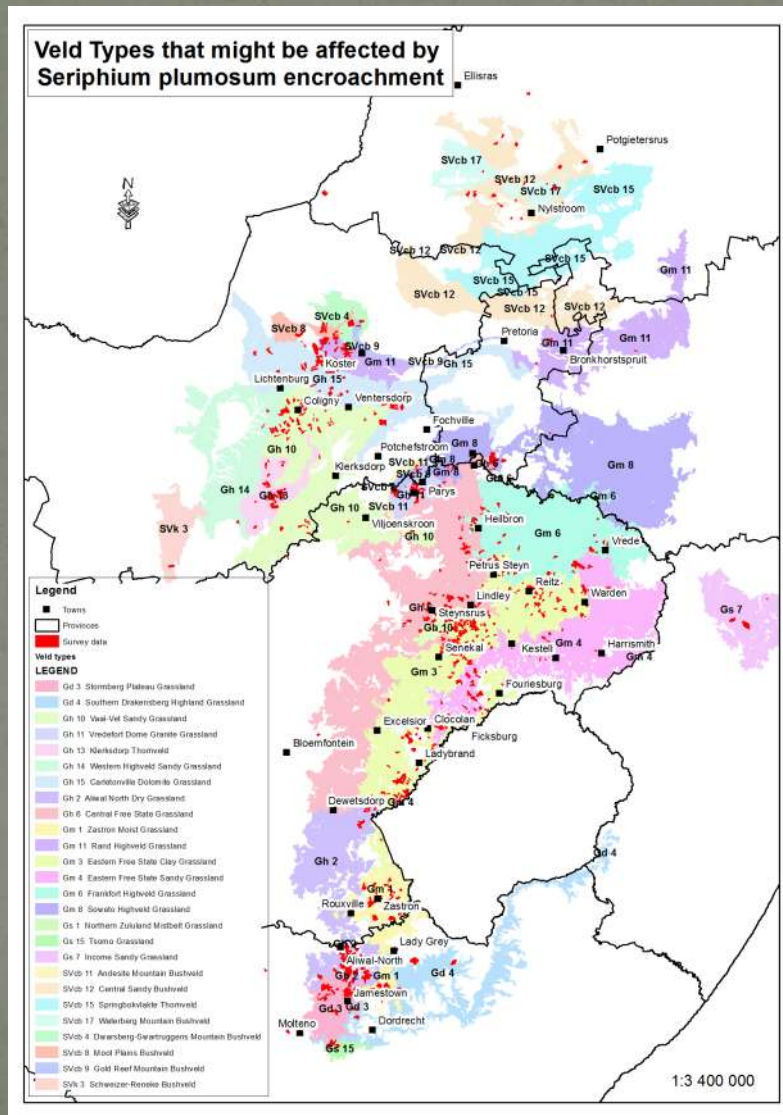
D. ASPECT OF SLOPE: (Circle applicable) N NE NW S SE SW E W

Response to national survey



- ✓ Locality & Owner information
- ✓ Encroachment information
- ✓ Habitat information
- ✓ Management history
- ✓ Control history
- ✓ Impact & observations

Distribution



Province	Predicted habitat (ha)	Predicted habitat as % of Province	2010-12 Survey Reported ha, encroachment
Eastern Cape	1 121 093	6.64	27 224
Free State	6 254 935	48.18	79 822
Gauteng	862 856	52.14	3 554
KwaZulu-Natal	601 484	6.37	175
Mpumalanga	1 567 240	20.49	142
Limpopo	1 476 719	11.74	4 344
North West	3 422 788	32.14	34 389
TOTAL	15 307 115	21.31	149 650

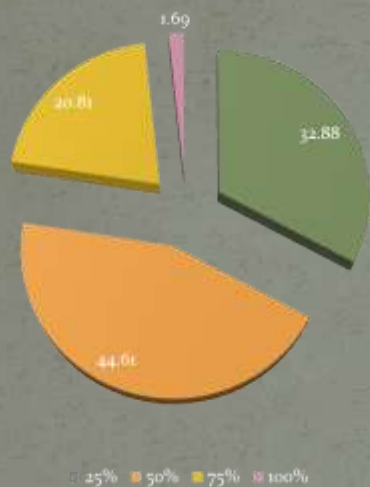
Habitat



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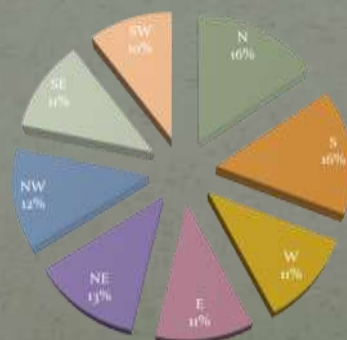
Percentage farming units per plant density class



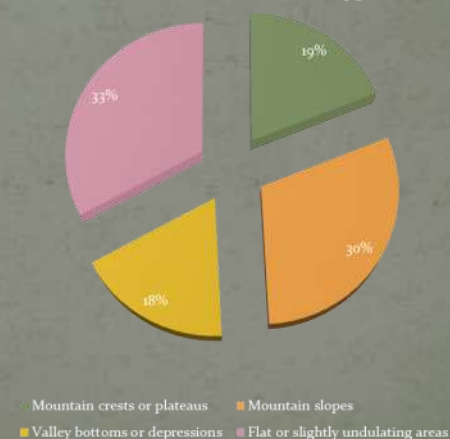
Percentage occurrence of *Seriphium plumosum* per soil texture class



Percentage occurrence of *Seriphium plumosum* on different aspects of the landscape



Percentage occurrence of *Seriphium plumosum* on different terrain types



Canopy cover	Plant Density (plants/ha)
25%	< 10 000
50%	10 000 - 20 000
75%	20 000 - 30 000
100%	> 30 000

Control

- ✓ Chemically (Herbicides)
- ✓ Mechanically
- ✓ Fire
- ✓ Grazing
- ✓ Combinations



Way forward



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- Complete analyses of data and compile final report
- Further research (holistic management)
- Continue to collect data for National Database
- Extend National Database to other species
- Develop systems for government officials to collect spatial data
- Assist government with identification of priority areas for control

Thank you