

MTO Forestry

Spatial and Planning data:

Shapefiles

Summary

MTO spatial dataset for overview purposes and using in the SIMTABLE App.

Description

This dataset was create from existing data:

COMPT – Spatial _Compt 333 layer extracted from Microforest 2023/03/19 ,Combined with Complist, OAM, ECBD and landuse descriptions.

Projection – WGS 84 Geographic

Credits

MTO Forestry CAPE , Research & Planning Department

Use limitations - May only be used for the project intended

May not be redistributed without prior written consent from MTO Forestry Planning Department:

Planning Manager : **Cassie Carstens** cassie@mto.co.za , Research :**Christel Malek** christel@mto.co.za

Questions: cassie@mto.co.za, talita@mto.co.za

Selected Fields details:

FireR = Fuel load

RISK RATING	COLOUR CODES	DESCRIPTION OF FUEL LOAD
1	BLUE	<ul style="list-style-type: none"> ❖ Sites with little to no fuel ❖ Sites with weed rating "Low light" ❖ Compartment/open areas burnt less than a year ago. ❖ Fire belt prepared according to prescription ❖ Cultivated lands and grazing under continuous irrigation ❖ Open water: Dams eg. Major Storage dams ❖ Buffer zones prepared according to prescription ❖ Heavily grazed grasslands. ❖ Well managed wattle compartments older than 3 years.
2	GREEN	<ul style="list-style-type: none"> ❖ 1 Hour fuels like leaf litter. ❖ Sites with weed rating "Low heavy" ❖ Compartment/open areas 1-2 years after fire ❖ Planted compartments which were burnt after harvesting ❖ Pre-canopied compartments that have had a good weeding and have very little grass ❖ Canopied compartments with a standard litter layer that have received good weeding (combustible material <20cm) ❖ Indigenous forest
3	YELLOW	<ul style="list-style-type: none"> ❖ 1 Hour & 10 hour fuels ❖ Sites with weed rating "Medium light" ❖ Weeds below shoulder height ❖ Compartments & open areas 2-3 years after fire ❖ Pre-canopied compartments with poor weeding and some grass cover.
4	ORANGE	<ul style="list-style-type: none"> ❖ 10 Hour fuels with some fine fuels ❖ Weed infested areas rated : "Medium heavy" ❖ Compartments & open areas 3-6 years after fire ❖ Pre-canopied compartments with poor weeding and/or grass cover. ❖ Older compartments with very poor weeding that seriously limits access. ❖ Unmanaged natural areas with biomass older than two years
5	RED	<ul style="list-style-type: none"> ❖ 10 Hour fuels with high percentage fine fuels ❖ Weed infested areas rated "High Light-to High Medium" ❖ Compartments & open areas more than 6 years after fire ❖ Clearfelled compartments before burning ❖ Compartments established without fuel-load reduction after clearfelling. ❖ Grasslands two years and older (untreated open areas). ❖ Open areas or compartments highly infested with invader species

Weedrating = Weedratings according to Spread, Size and Effort:

Table A Weed infestation rating per compartment used to quantify the weed infestations.

Rating	% weed cover	Effort needed to remove	Manday and effort required	Rating
0		No weed could occur (dam, graded area).		0
1	0-10 %	Young or few small patches in an area and easy to remove	mandays <1. Slashing, spraying.	Low light
2		Older or larger patches, more difficult to remove	Mandays < 1 or perhaps greater. Slashing, spraying, could include chainsaw	Low heavy
3	11- 50 %	Young or few small patches in an area and easy to remove	Mandays 1 to 3. Normally not chainsaw.	Medium light
4		Older or larger patches, more difficult to remove	Mandays 1 to 3. Chainsaw could be required.	Medium heavy
5	51 – 100 %	Young or few small patches in an area and easier to remove.	Mandays 1 to 3. Normally not chainsaw.	High light
6		Older or larger patches, more difficult to remove	Mandays > 3. Chainsaw required.	High medium