

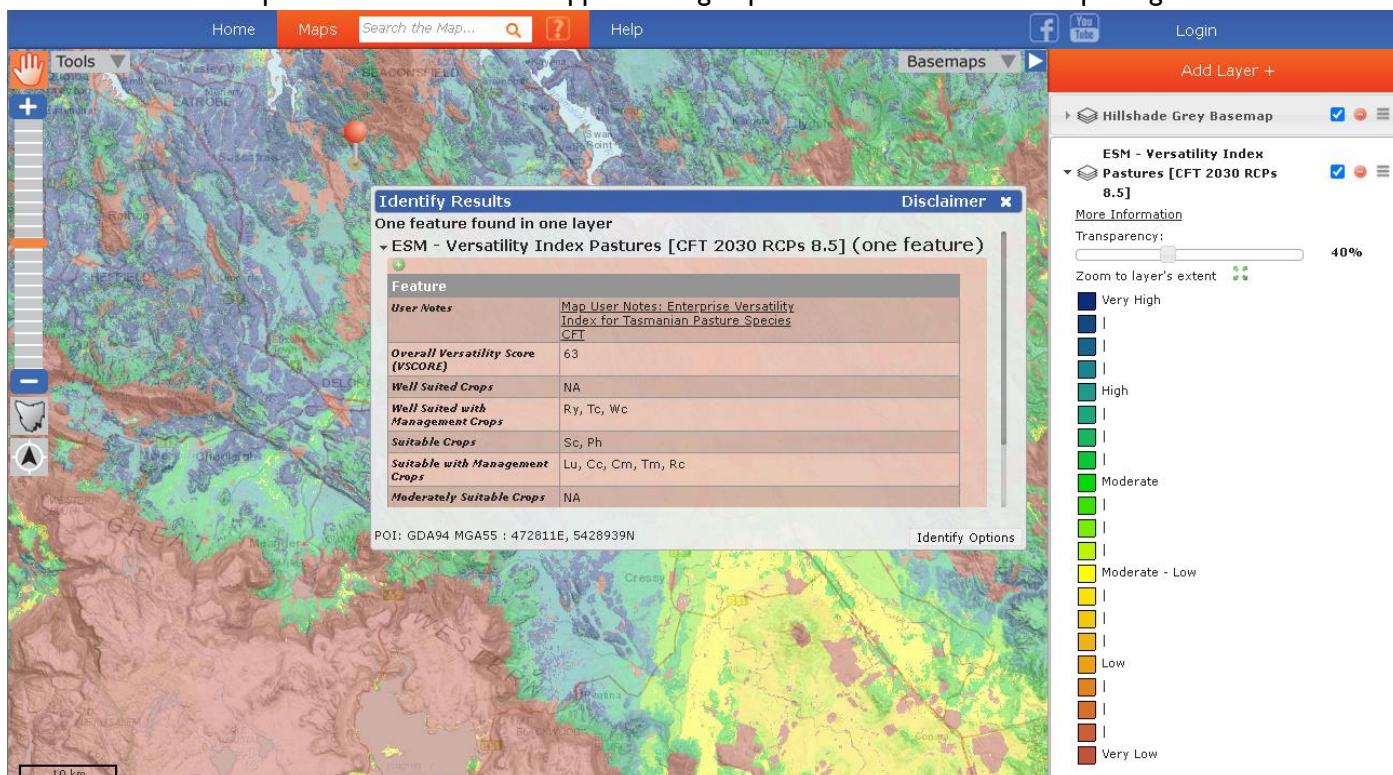
Map User Notes: Enterprise Versatility Index for Tasmanian Pasture Species (Using Climate Futures Projections)

Summary:

This Enterprise Versatility Index map layer depicts enterprise crop versatility for Tasmanian Pasture species across private free-hold land in Tasmania. A heuristic integration of 10 state-wide enterprise suitability pasture datasets (based on Climate Futures Projections) aim to identify specific areas of the State that are suited to more pasture species than other areas. Overall versatility is classified as Very High, High, Moderate, Moderate-Low, Low or Very Low. In this vein, land areas with high versatility are considered amendable for growing a broad range of pasture species, whereas areas with low versatility are suitable to a limited range. Pasture species that participated in this analysis include Lucerne, Rye Grass, Cocksfoot Continental, Cocksfoot Mediterranean, Tall Fescue Continental, Tall Fescue Mediterranean, Red Clover, Strawberry Clover, White Clover and Phalaris (refer to [metadata](#) for more information regarding the technical nature of this dataset). Notably, these pasture crops (Refer [here](#) for more information) encompass Climate Futures Tasmania (CFT) projections that were incorporated into the enterprise suitability modelling framework to identify land areas prone to projected climate change impacts according to the RCP 8.5 scenario for years [2030](#) and [2050](#). This compliments the current [Pasture Versatility Map](#) which was based on pasture crops (Refer [here](#) for more information) that encompass recent historical climate observations to determine current crop versatility.

How to use the Enterprise Versatility Index Map in LISTmap

The Enterprise Versatility Index for Tasmanian Pasture Species is a digital layer that can be manually interrogated within [LISTmap](#). Any location can be enquired within Tasmania to provide location specific parameters pertaining to pasture crop versatility. To interrogate a location, simply click on any location whilst the versatility layer is active in the table of contents panel and a window will appear listing important attributes. An example is given below:



The window provides information for important attributes including “VSCORE”, “Well_suited”,

“Well_suited_with_mgmt”, “Suitable”, “Suitable_with_mgmt”, “Mod_suitable”, “Mod_suitable_mgmt”, “Unsuitable”, “Comments”. These attributes are defined below:

- **VSCORE** – The versatility index score with values ranging from 0 and 100. Versatility classifications are set at 85>, 65, 50, 35, 20, 0 equating to Very high, High, Moderate, Moderate-Low, Low and Very Low (nil), respectively. The higher the VSCORE, the more versatile a land area is for growing a range of pasture species.
- **Well_suited** – Pasture crops that are classified as well suited for production (listed as two-letter codes – refer to code definitions below) pursuant to their specific soil and climatic requirements being met.
- **Well_suited_with_mgmt** – Pasture crops that are classified as well suited for production (listed as two letter codes – refer to code definitions below) on the proviso that soil amelioration techniques are applied to meet this classification.
- **Suitable** – Pasture crops that are classified as suitable for production (listed as two-letter codes – refer to code definitions below) pursuant to their specific soil and climatic requirements being met.
- **Suitable_with_mgmt** - Pasture crops that are classified as suitable for production (listed as two letter codes – refer to code definitions below) on the proviso that soil amelioration techniques are applied to meet this classification.
- **Mod_suitable** – Pasture crops that are classified as moderately suitable for production (listed as two letter codes – refer to code definitions below) pursuant to their specific soil and climatic requirements being met.
- **Mod_suitable_mgmt** - Pasture crops that are classified as moderately suitable for production (listed as two letter codes – refer to code definitions below) on the proviso that soil amelioration techniques are applied to meet this classification.
- **Unsuitable** - Pasture crops that are classified as unsuitable for production (listed as two letter codes – refer to code definitions below) pursuant to specific soil and/or climatic requirements that inhibits production.
- **Comments** – Special comments regarding the versatility classification of some land areas.

Code Definitions

The following definitions relate to the two-letter crop codes listed in the attributes above for “Well_suited”, “Well_suited_with_mgmt”, “Suitable”, “Suitable_with_mgmt”, “Mod_suitable”, “Mod_suitable_mgmt”, “Unsuitable”. In addition, individual LISTmap links and map user notes are supplied that relate directly to each crop, and thus, embodies the suite of enterprise pasture species participating in the versatility analysis:

Cc - Cocksfoot Continental

LISTmap link: <https://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=694718>

User notes link: https://nrmdatalibrary.dpipwe.tas.gov.au/FactSheets/WfW/ListMapUserNotes/Map_user_notes_cocksfootcontinental_CFT.pdf

Cm - Cocksfoot Mediterranean

LISTmap link: <https://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=694729>

User notes link: https://nrmdatalibrary.dpipwe.tas.gov.au/FactSheets/WfW/ListMapUserNotes/Map_user_notes_cocksfootmediterranean_CFT.pdf

Lu - Lucerne

LISTmap link: <https://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=694313>

User notes link: https://nrmdatalibrary.dpipwe.tas.gov.au/FactSheets/WfW/ListMapUserNotes/Map_user_notes_lucerne_CFT.pdf

Ph - Phalaris

LISTmap link: <https://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=694736>

User notes link: https://nrmdatalibrary.dpipwe.tas.gov.au/FactSheets/WfW/ListMapUserNotes/Map_user_notes_phalaris_CFT.pdf

Rc - Red Clover

LISTmap link: <https://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=694745>

User notes link: https://nrmdatalibrary.dpipwe.tas.gov.au/FactSheets/WfW/ListMapUserNotes/Map_user_notes_redclover_CFT.pdf

Ry - Rye Grass

LISTmap link: <https://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=694641>

User notes link: https://nrmdatalibrary.dpipwe.tas.gov.au/FactSheets/WfW/ListMapUserNotes/Map_user_notes_ryegrass_CFT.pdf

Tc - Tall Fescue Continental

LISTmap link: <https://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=694768>

User notes link: https://nrmdatalibrary.dpipwe.tas.gov.au/FactSheets/WfW/ListMapUserNotes/Map_user_notes_tallfescuecontinental_CFT.pdf

Tm - Tall Fescue Mediterranean

LISTmap link: <https://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=694775>

User notes link: https://nrmdatalibrary.dpipwe.tas.gov.au/FactSheets/WfW/ListMapUserNotes/Map_user_notes_tallfescuemediterranean_CFT.pdf

Sc - Strawberry Clover

LISTmap link: <https://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=694753>

User notes link: https://nrmdatalibrary.dpipwe.tas.gov.au/FactSheets/WfW/ListMapUserNotes/Map_user_notes_strawberryclover_CFT.pdf

Wc - White Clover

LISTmap link: <https://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=694788>

User notes link: https://nrmdatalibrary.dpipwe.tas.gov.au/FactSheets/WfW/ListMapUserNotes/Map_user_notes_whiteclover_CFT.pdf

Additional Information

For information about using LISTmap, please consult the help document:

<http://listdata.thelist.tas.gov.au/public/outgoing/sif/listmaphelp.pdf>

For technical information relating to the dataset, please consult the [metadata](#).

For information relating to irrigation investment, please consult the Investing in Irrigation web-portal:

<http://dpipwe.tas.gov.au/agriculture/investing-in-irrigation>

Tasmanian graziers guide to pasture, forage and fodder crops can be accessed here:

<https://nre.tas.gov.au/Documents/Species%20for%20Profit%202021.pdf>

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Caution and Disclaimer

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