

From: "Doreen Czaplinski" <doreenczaplinski@hotmail.com>
Sent: Sat, 24 Jun 2023 21:12:31 +1000
To: "trb.admin@trb.tas.gov.au" <trb.admin@trb.tas.gov.au>; "Huon Valley Council" <hvc@huonvalley.tas.gov.au>
Cc: "carol.brereton@bigpond.com" <carol.brereton@bigpond.com>
Subject: Supplementary Information supporting representation 412 from Martin and Carole Brereton
Attachments: 1martysupplementary report.docx

Please find attached supplementary information in support of our representation 412

For and on behalf

Martin and Carol Brereton

Martin Carole Brereton

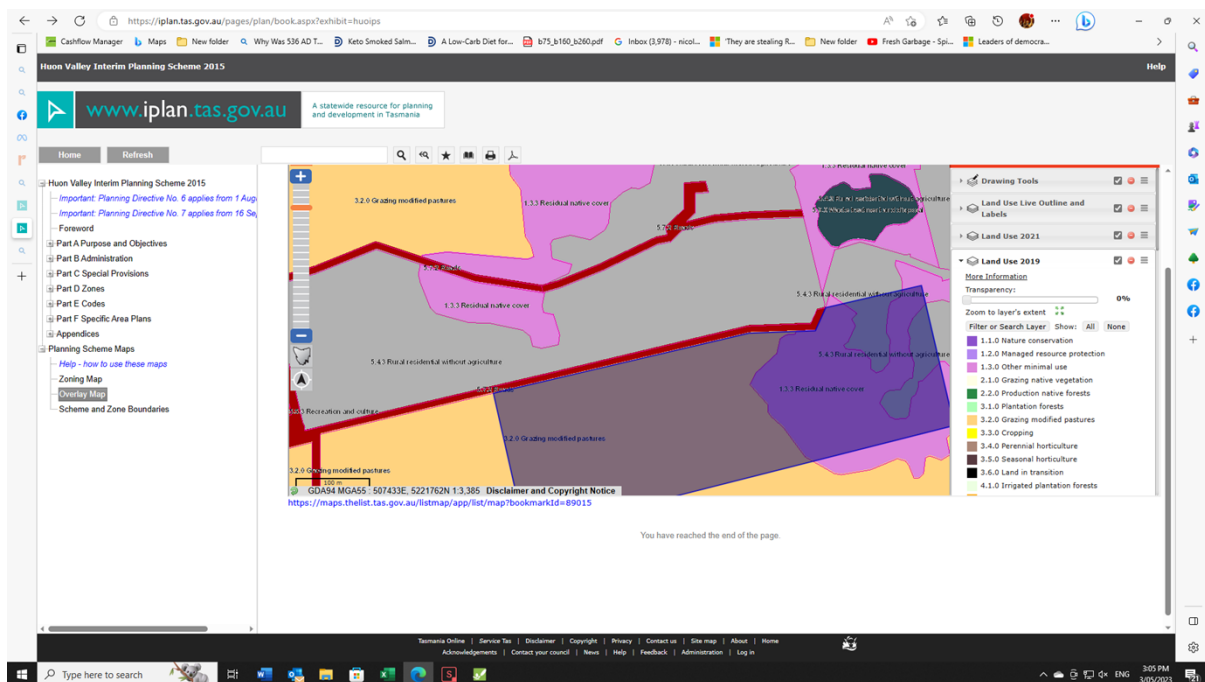
CT:22276/1 12.02 Ha Request 1. General residential. 2. Low density residential

Following my representation to the Commission on May 2023 I organized a new soil analysis of land at the decommissioned abattoir at Thorpe Street. The report supports my statement that the soil is deficient in several areas and is not of the standard required to be zoned Agricultural land in the new LPS.

The soil is acidic PH 5.5, this is despite my having regularly limed these paddocks over many years, Nitrogen is low, Calcium is low, Copper is low, as is Boron. All these factors have a detrimental effect on growing grass. There is an excess or toxic level of aluminium. The calcium / magnesium ratio is low. This ratio is used in the diagnosis of soil structure problems and the results indicate the soil may be impervious and poorly drained. The grass tetany index is elevated, making this land unsuitable for breeding cattle.

Certainly, in my more than 70 years of farming experience, much of this land is an example of poor, stony and of low quality. The land has only marginally improved even though I have regularly applied lime and other organic nutrients to the land.

Historical List map of Zoning



BUSINESS DETAILS
Trading Name: M.D & C.F Brereton
Street Address: Wattle Grove

Contact Name:
Contact Number:

PROPERTY DETAILS
Property Name: Slaughter House

Area Sampled: REP OF ALL

SAMPLE DETAILS
Sample Type: Soil
Lab Report Number: SDE0695

Depth: 0.0 to 7.5 cm
Sample: 19-May-2023

CROP DETAILS
Crop: PASTURE
Growth Stage: AUTUMN

Target Yield (t/ha)

ADVISOR DETAILS
Advisor: Peter Morrison
Interpretation: 10-Jun-2023

Contact Number: 0408 125734

The following information and recommendations are suggested for your consideration and are the opinion of the interpreter.

Analyte	Value	Conversion to ppm.	Low	< Opt/ Norm	Generally Satisfactory	> Opt/ Norm	High	Excess or Toxic	Your % of Cations	Best % of Cations
pH (1:5 Water)	5.50									
Organic Carbon %C	5.37									
Nitrate Nitrogen mg/kg	1.00									
Sulphate Sulphur (MCP) mg/kg	8.00									
Phosphorus (Olsen) mg/kg	34.00								3.9%	4%
Potassium (Amm-acet.) meq/100g	0.46	179.86							31.9%	65%
Calcium (Amm-acet.) meq/100g	3.79	758.00							20.6%	16%
Magnesium(Amm-acet.) meq/100g	2.45	296.45							11.1%	0%
Aluminium (KCl) meq/100g	1.32	118.67							2.5%	1%
Sodium (Amm-acet.) meq/100g	0.30	69.00								
Chloride mg/kg	23.00									
Elect. Conductivity _{se} dS/m	0.43									
Copper (DTPA) mg/kg	0.60									
Zinc (DTPA) mg/kg	4.00									
Manganese (DTPA) mg/kg	7.90									
Iron (DTPA) mg/kg	237.00									
Boron (HotCaCl2)mg/kg	0.30									
Total Cation Exch. Cap. _{se} meq/100g	11.89									
Calcium/Magnesium ratio	1.50									
Grass Tetany Index	0.07									

Amendment/ Recommendation

pH (1:5 Water) 5.50 Value – Low - Acidic. Apply a broadcast **OzCal at 0.8 t/ha** without incorporation in early Autumn although this can be applied at other times of the year. Re-assess soil pH at least 3 months after lime application and fine tune inputs if required.

Calcium (Amm-acet.) meq/100g 3.79 meq/100g – Low - The above application of OzCal will help to rectify this shortfall. Consider Ca:Mg ratio for modification to gypsum or lime application rates. Use gypsum containing fertilisers eg SSP or SSP blends.

Magnesium (Amm-acet.) meq/100g 2.01 meq/100g – Above Optimum – No action required.

Aluminium (KCl) meq/100g 1.32 meq/100g - Excessive - The above application of Ozcal will help to rectify this excess. Use gypsum containing fertilisers eg SSP or SSP blends in any prespread fertiliser. By raising the pH will render most of the aluminium unavailable.

Calcium/Magnesium ratio 1.50 Ratio – Low - The above application of OzCal will help to rectify this imbalance. The Ca:Mg ratio is used in the diagnosis of soil structure problems, not to identify situations where responses to calcium or magnesium may occur. The absolute calcium and magnesium values should be used for the latter. Soils high in calcium have good structure; those high in magnesium may be impervious and poorly drained.

Grass Tetany Index 0.07 Value – Above Optimum – The grass tetany index is an indicator of where the risk of grass tetany is elevated. Lifting the pH, Calcium and Magnesium in the soil will help to reduce this risk.

Note: Interpretations and recommendations given here are a guide only, and depend on representative samples being analysed, additionally environmental and managerial factors influence production, therefore Phosyn Analytical and Dealers do not accept any liability whatsoever arising out of these interpretations and recommendations for any damage, loss or injury of any nature and the user takes these interpretations and recommendations on these terms. This recommendation is made in good faith, based on the best technical information available.





