

AgCarE Assessment Report

John Citizen - Belmont



BEEF



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	<ul style="list-style-type: none">• Property Extent• Regional Ecosystem• Protected Plants• PMAV And Regulated Vegetation• GLM Land Types• Essential Habitat



LANDHOLDER / PROPERTY DETAILS

Name/s: John Citizen

Business Name: AgForce Queensland Farmers

ABN or ACN:

Property Name: Belmont Research Station

Property Address: Etna Creek Road, Etna Creek, QLD 4702

Email: agforce@agforceqld.org.au

Phone: (07) 3236 3100

Lot on Plans: As per attached maps

Property Size: 3237

LGA: Livingstone Shire Council

AGRICULTURAL DESCRIPTION

Livestock	Seedstock - BEEF	Feedlot - BEEF
	Breeding - BEEF	Backgrounding - BEEF
Sheep and Wool		
Intensive Livestock		
Grains, Pulses & Oilseeds		
Cotton		
Sugar		
Horticulture		

Further details Run approximately 500 breeders

CARBON RESULTS

Property Name Belmont

Climate Sub-Tropical

Soils Vertosols

Total Area (ha) 3237

ENERGY USAGE

Description	All GHG TC02 eq	Per Year	Balance
		Positive = emitting Negative = sink	
Electricity	169	169	169
Diesel	33	33	33
Petrol	6	6	6
Gas (LPG or Natural)			
Ethanol			
Waste oil/Lubricants	3	3	3
Wood			
Other			

IRRIGATION

Description	All GHG TC02 eq	Per Year	Balance
		Positive = emitting Negative = sink	
Not Specified			

BUILDINGS & ROADS

Description	All GHG TC02 eq	Per Year	Balance
		Positive = emitting Negative = sink	
Not Specified			

FERTILISER & PESTICIDES

Description	All GHG TC02 eq	Per Year	Balance
		Positive = emitting Negative = sink	
Herbicides	116	116	116

CROPPING - ANNUAL & PERENNIAL

Description	All GHG TC02 eq	Per Year Positive = emitting Negative = sink	Balance
Oats			
Lucerne			
Leucaena			

LIVESTOCK

Description	All GHG TC02 eq	Per Year Positive = emitting Negative = sink	Balance
Beef Cattle	1071	1071	1071
Not Specified			
Sub - Total			1399

CARBON RESULTS CONT.

Potential Avoided Clearing Carbon Project (400 hectares) First year.	21,645	TC02 eq
Total Carbon Abatement/Removal	21,645	TC02 eq
Total Net GHG	-20,246	TC02 -eq
Total Net GHG	-6	TC02 eq/per ha

AGCARE ECOLOGICAL VALUES / ACTIVITY RESULTS

Property Name	Belmont	Climate	Sub-Tropical
Soils	Vertosols	Total Area (ha)	3237
Address	Etna Creek Road, Etna Creek, QLD 4702		

ECOLOGICAL VALUES

Description	High ecological values - Located in a GBR catchment - Borders a major watercourse - Essential habitat present - EPBC listed regional ecosystems present
Climate Stressor	Drought declared since 01/04/09

AGCARE ACTIVITIES

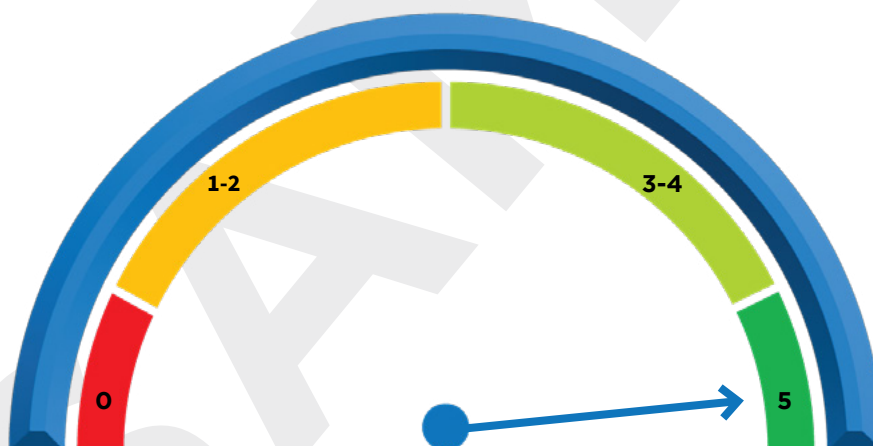
Legal Compliance

Score:

5/5

Ranking:

HIGH



Comments:

Receive regular updates from AgForce on changes and potential changes to State and Federal legislation that may affect my business

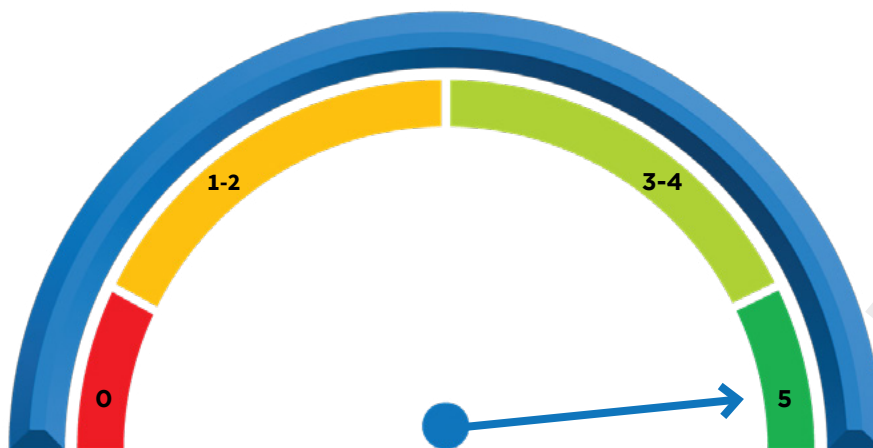
Financial Stability

Score:

5/5

Ranking:

HIGH



Comments:

We maintain a business plan, regular budgets and up-to-date accounts

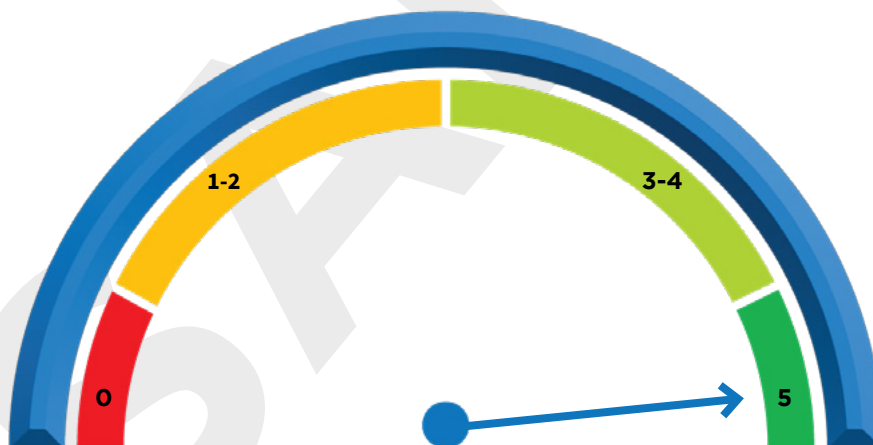
Agribusiness Management

Score:

5/5

Ranking:

HIGH



Comments:

A Business Management Plan is in place and updated annually following changes to the business

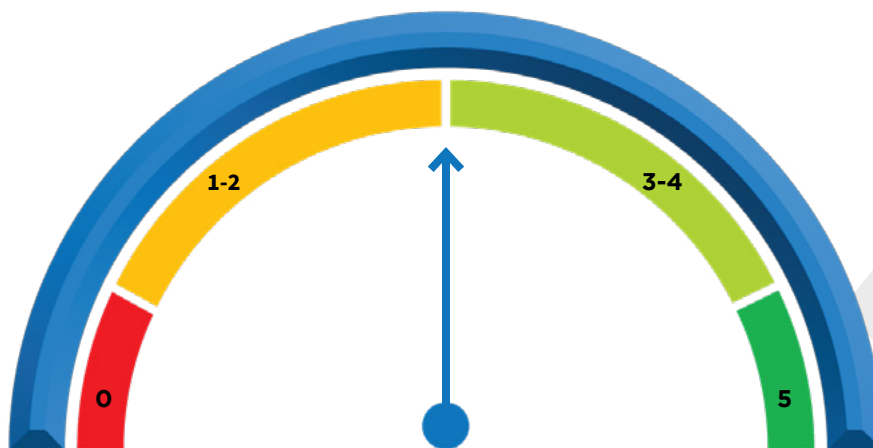
Formal Vegetation/Biodiversity Assessment

Score:

3/5

Ranking:

AVERAGE



Comments:

We had a regional ecosystem assessment done as part of our PMAV

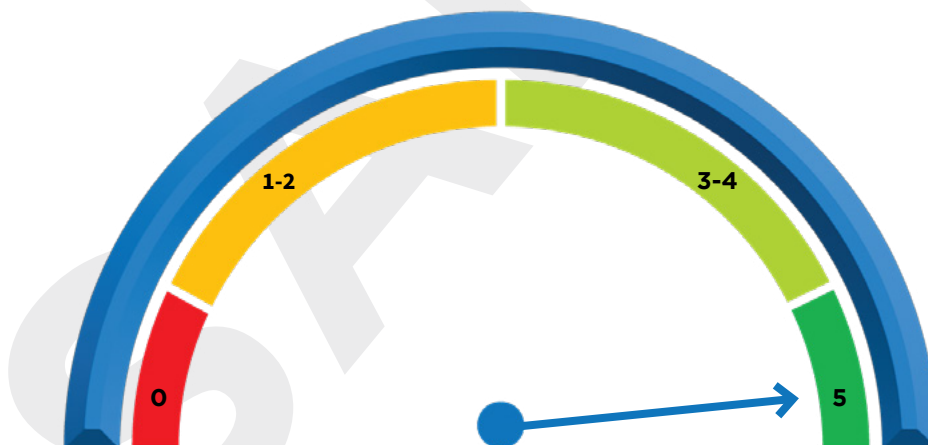
Soil Health

Score:

5/5

Ranking:

HIGH



Comments:

We have soil mapping for our property, which provides us with information on appropriate pastures and management practices. Continually maintain groundcover to minimise erosion

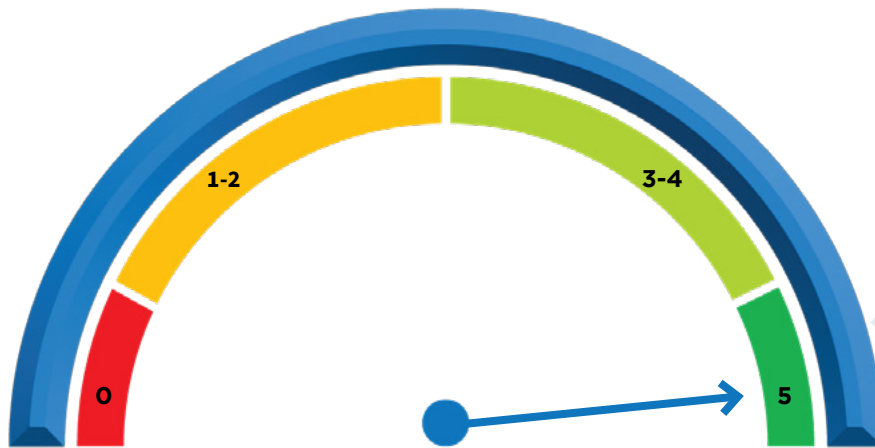
Biodiversity Management

Score:

5/5

Ranking:

HIGH



Comments:

Conduct regular weed and feral animal management activities. Internal fencing is based upon our land types, with limited grazing pressure applied to sensitive ecosystems

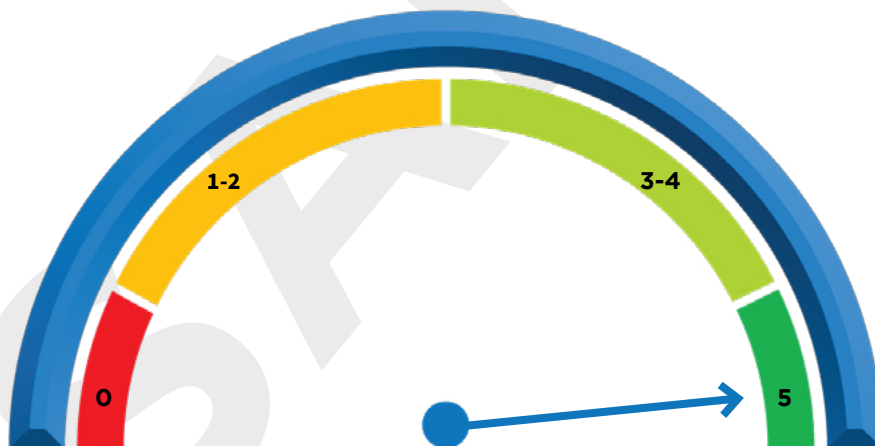
Water Quality & Management

Score:

5/5

Ranking:

HIGH



Comments:

Regular check ect, pH and turbidity levels at a downstream monitoring location to understand if our management practices are affecting water quality.

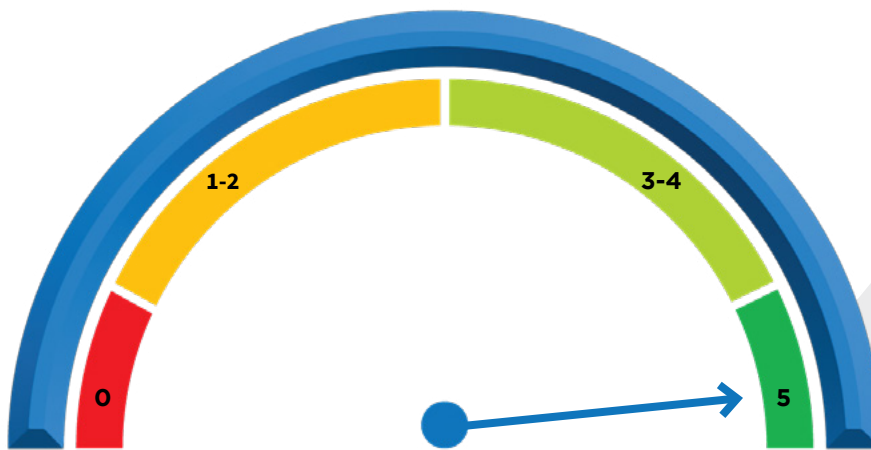
Drought Mitigation & Management

Score:

5/5

Ranking:

HIGH



Comments:

This is based mainly around selling stock, when to start feeding what and when to early wean. Employ long term weather forecasting into our business plan.

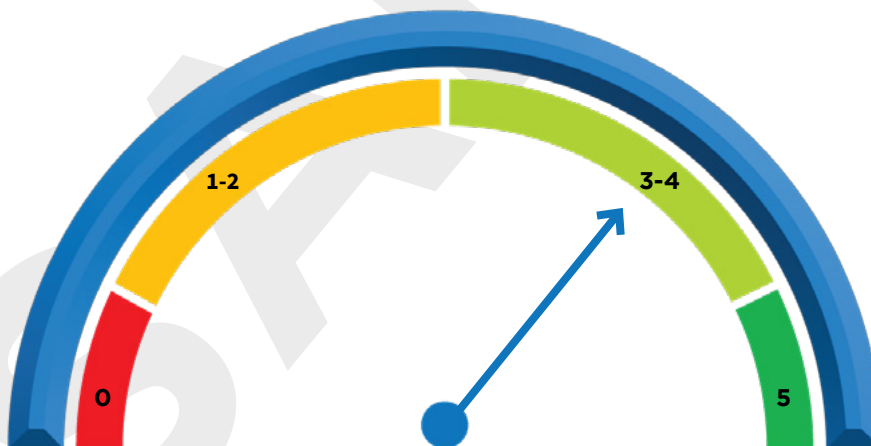
Certifications & Accreditations

Score:

4/5

Ranking:

ABOVE AVERAGE



Comments:

BMP Certified

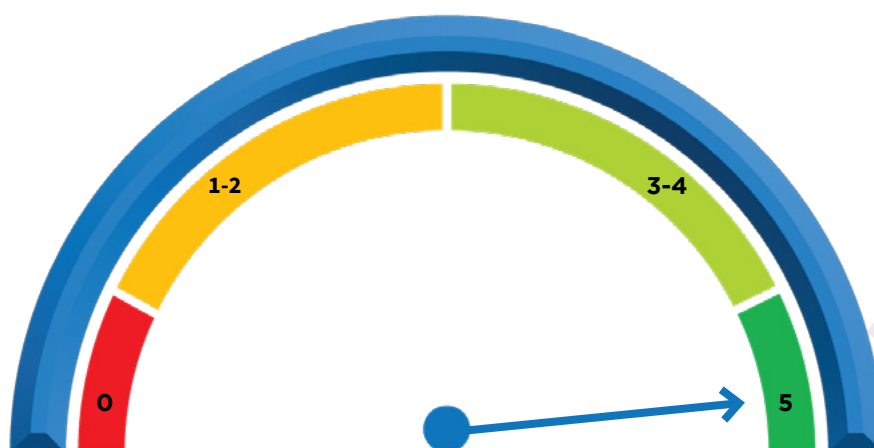
Planning & Management Systems

Score:

5/5

Ranking:

HIGH



Comments:

We have a property, biosecurity and business plan in place

Fuel/Chemical Use & Storage

Score:

5/5

Ranking:

HIGH



Comments:

All fueling tanks and chemical storage areas are safe and secure. MSDS for all chemicals we use, are kept on property

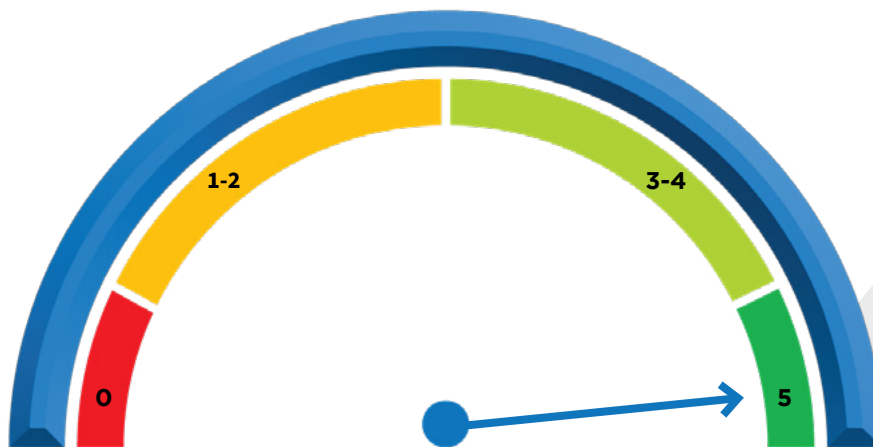
Energy Savings

Score:

5/5

Ranking:

HIGH



Comments:

Have replaced all our pumps with solar pumps and have a 10kw solar system installed at the homestead

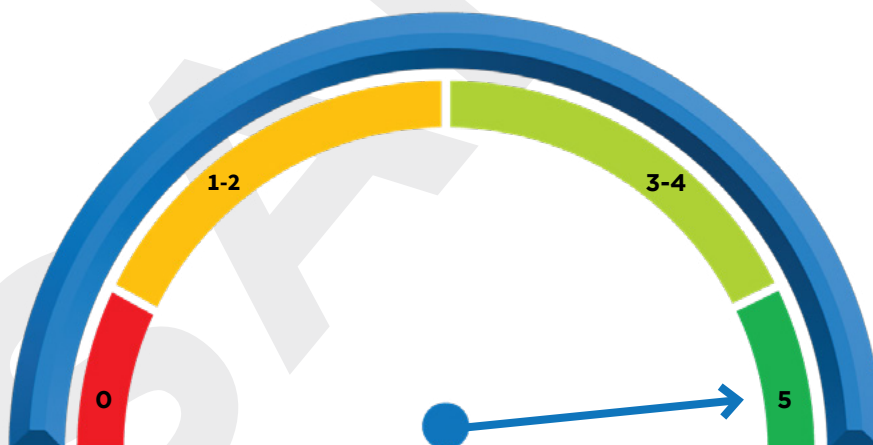
Waste Management

Score:

5/5

Ranking:

HIGH



Comments:

We try and recycle as much as we can on property. All oils and chemical drums are disposed of in the correct manner

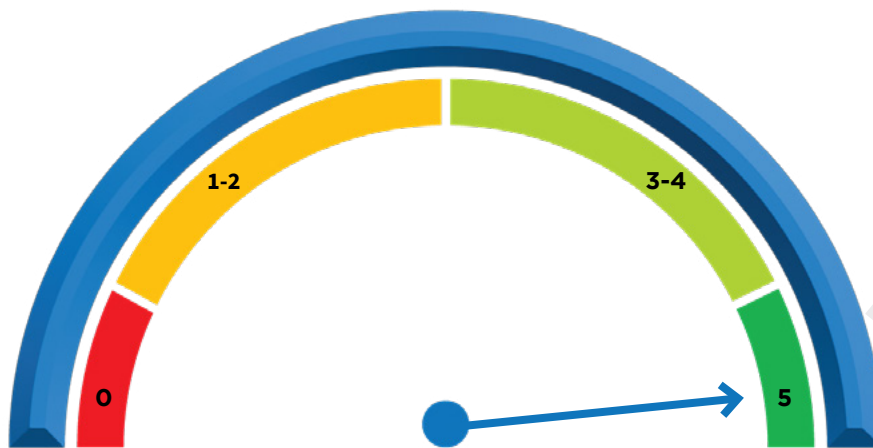
Labour Conditions

Score:

5/5

Ranking:

HIGH



Comments: We adhere to both Federal and State labour laws.

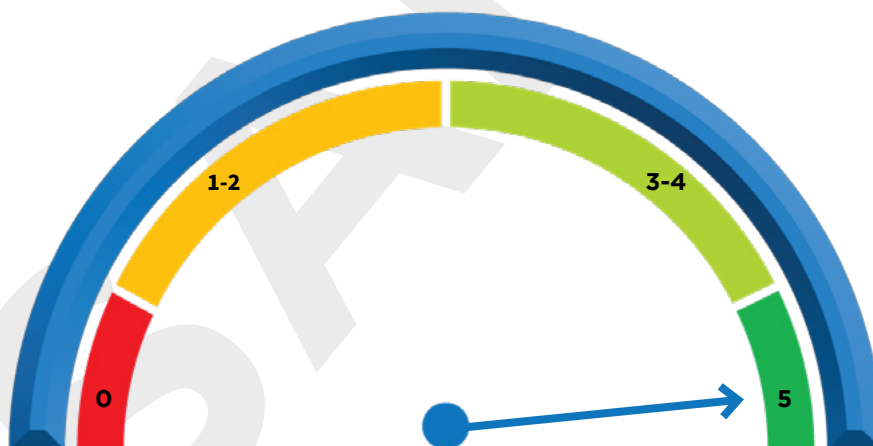
Workplace Health & Safety

Score:

5/5

Ranking:

HIGH



Comments: We adhere to both Federal and State workplace health and safety laws

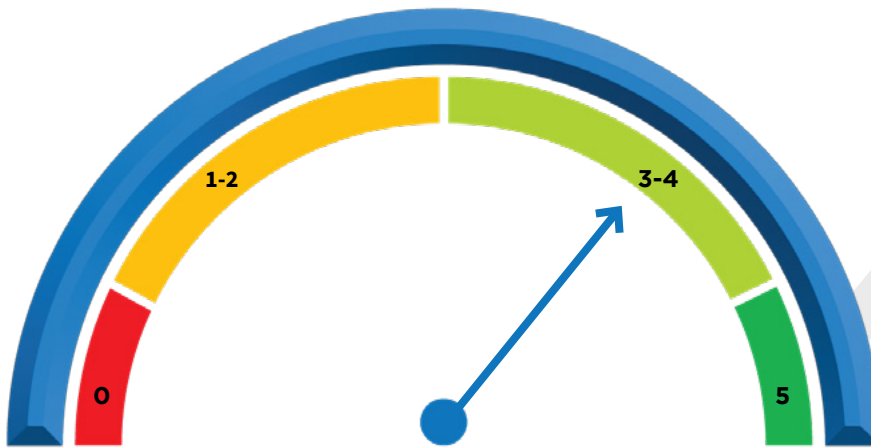
Local Community

Score:

4/5

Ranking:

ABOVE AVERAGE



Comments:

Actively participate in local shows when we can

Total Activities Module Certificate

AGCARE ACTIVITIES
HIGH ACHIEVEMENT



This certifies that

LANDHOLDER NAME

completed the AgCarE Activities Module
and received a score of 77/80 - High Achievement Rating

Benn Knott, Assessor

March 16th 2022



AGCARE BEEF MODULE RESULTS

Seedstock

Breeding

Feedlot

Backgrounding

800

Total Number of Head

3200

Total Grazed Area

AGCARE BEEF

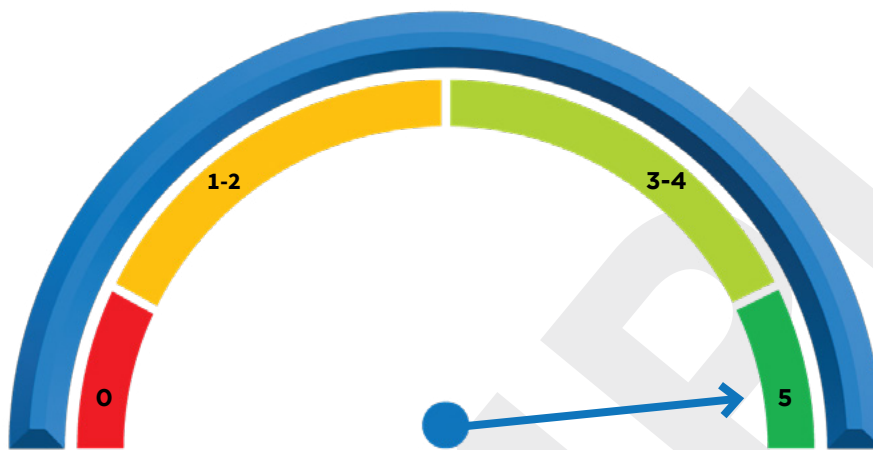
Breeding

Score:

5/5

Ranking:

HIGH



Comments:

We have birth weighed calves for eight years, selected low birth weight bulls for heifers and reduced calf mortality in first calf heifers to less than 2%. We have reduced handling of all calves at a young age (except for birth weight) after identifying mis-mothering as our largest form of calf death. All our herd carry EBV data

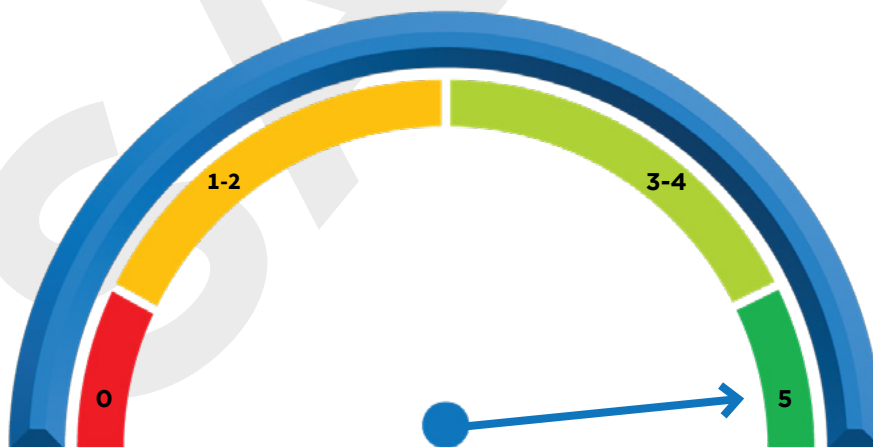
Animal Husbandry & Management

Score:

5/5

Ranking:

HIGH



Comments:

Every cow is preg.-tested, joining period is 10 weeks to three months, empties are culled. Backgrounder cattle are weighed every three months. Regular mixing of 'Mectin' drugs and dipping for tick control. Semi regular monitoring of internal parasite levels. Utilisation of mechanical fly traps and dichotamas earth to control Buffalo Fly and ticks.

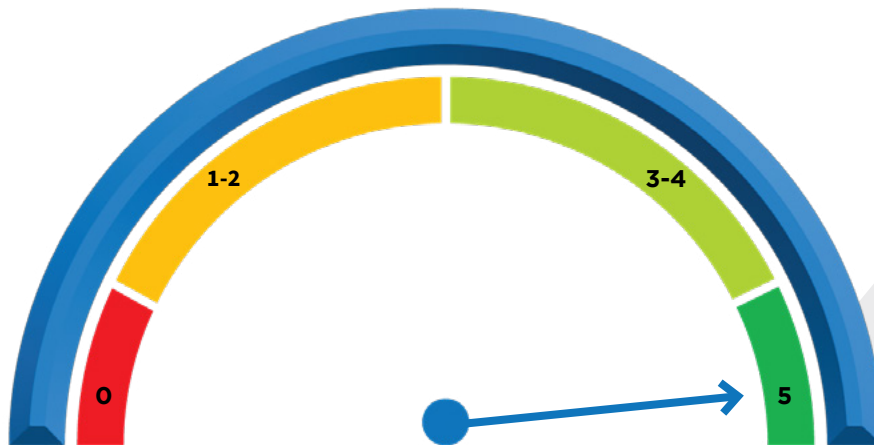
Grazing Methods & Management

Score:

5/5

Ranking:

HIGH



Comments:

The predominant grazing system is a rotational grazing system where cattle are rarely in the one paddock for more than three months. We aim to have regular and targeted rest in all paddocks with a special emphasis on paddocks having a good wet season rest after being under pressure the previous year

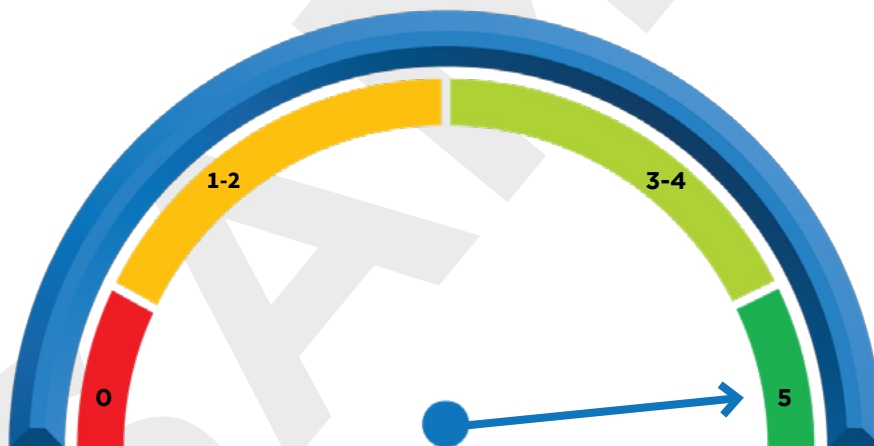
Pasture Type & Management

Score:

5/5

Ranking:

HIGH



Comments:

Today we have Buffel, Green Panic, Purple Pigeon, Rhodes Grass and Creeping Bluegrass as introduced grasses in a grass mix that still maintains high level of native Speargrass and Bluegrass. We are aware of the need to maintain diversity in pastures and try to optimise this by regular rest, high herd impact (big mobs for a short time) and cool fires

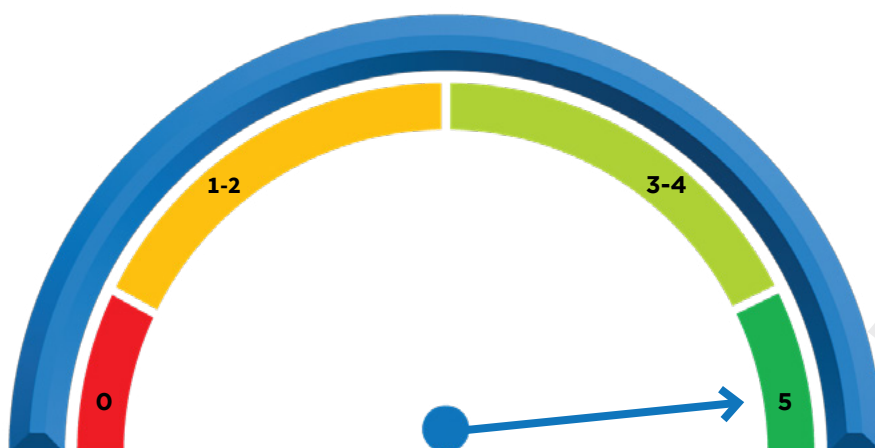
Pasture Groundcover Monitoring & Management

Score:

5/5

Ranking:

HIGH



Comments:

We monitor and record pasture densities at the end of the dry and wet seasons. Use long paddock pasture reports to compare with our on-ground monitoring

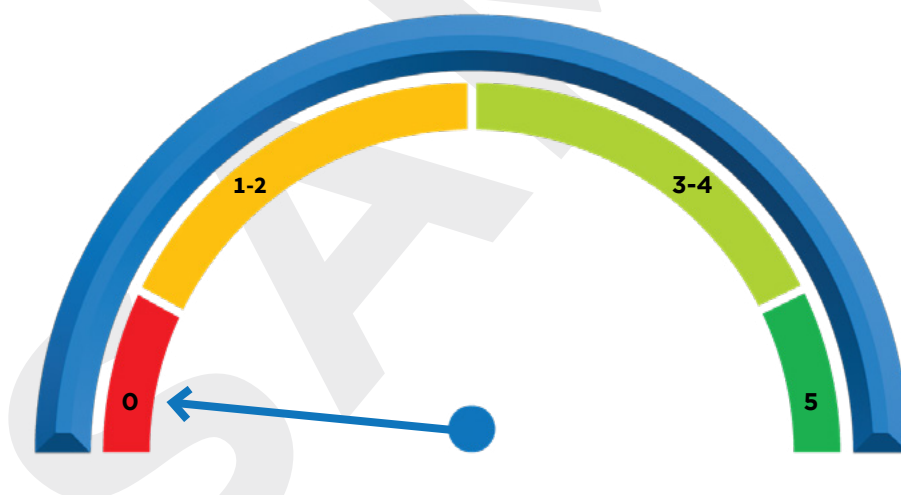
Feed Additives & Management

Score:

0/5

Ranking:

NIL



Comments:

Looking into potential feed additives that reduce methane, but must maintain our production parameters

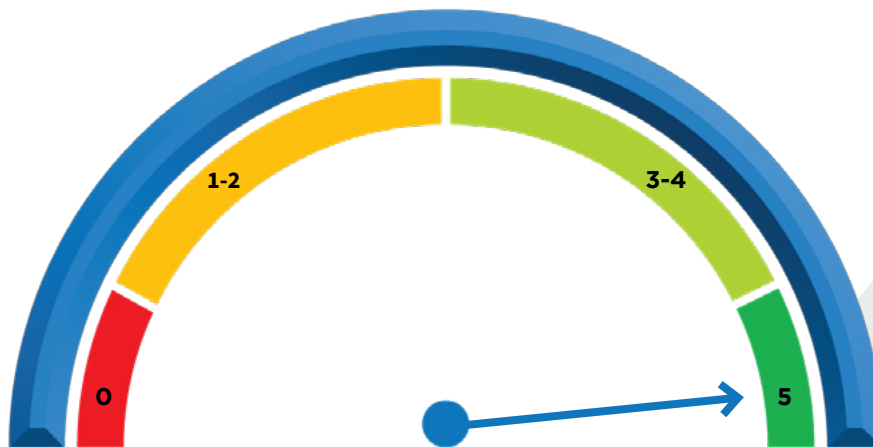
Drought Management

Score:

5/5

Ranking:

HIGH



Comments:

We are constantly monitoring our numbers of cattle (and classes) and assessing them against seasonal conditions and pasture densities. Our policy is to sell early when the indicators point to declining seasonal conditions and subsequent pasture growth.

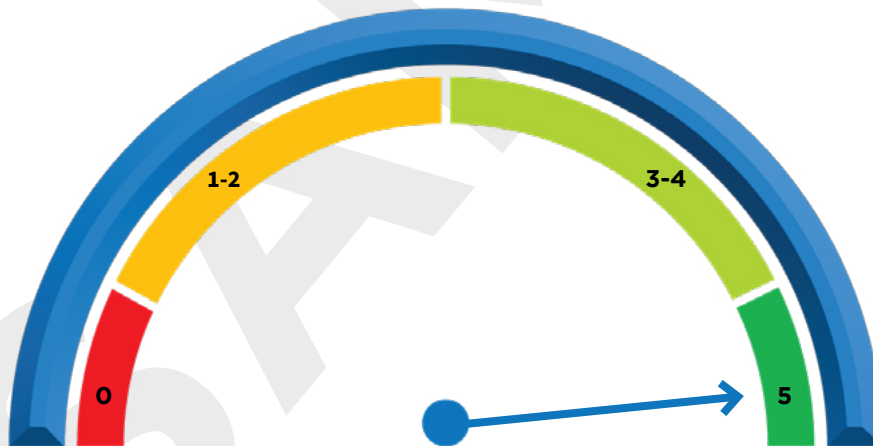
Membership/Accreditation

Score:

5/5

Ranking:

HIGH



Comments:

MLA and AgForce membership.

Total Beef Module Certificate

**BEEF MODULE
HIGH ACHIEVEMENT**



This certifies that

LANDHOLDER NAME

completed the AgCarE Beef Module
and received a score of 35/40 - High Achievement Rating

Benn Knott, Assessor

March 16th 2022



Appendices: AgCarE Mapping

Property Extent

Property Extent



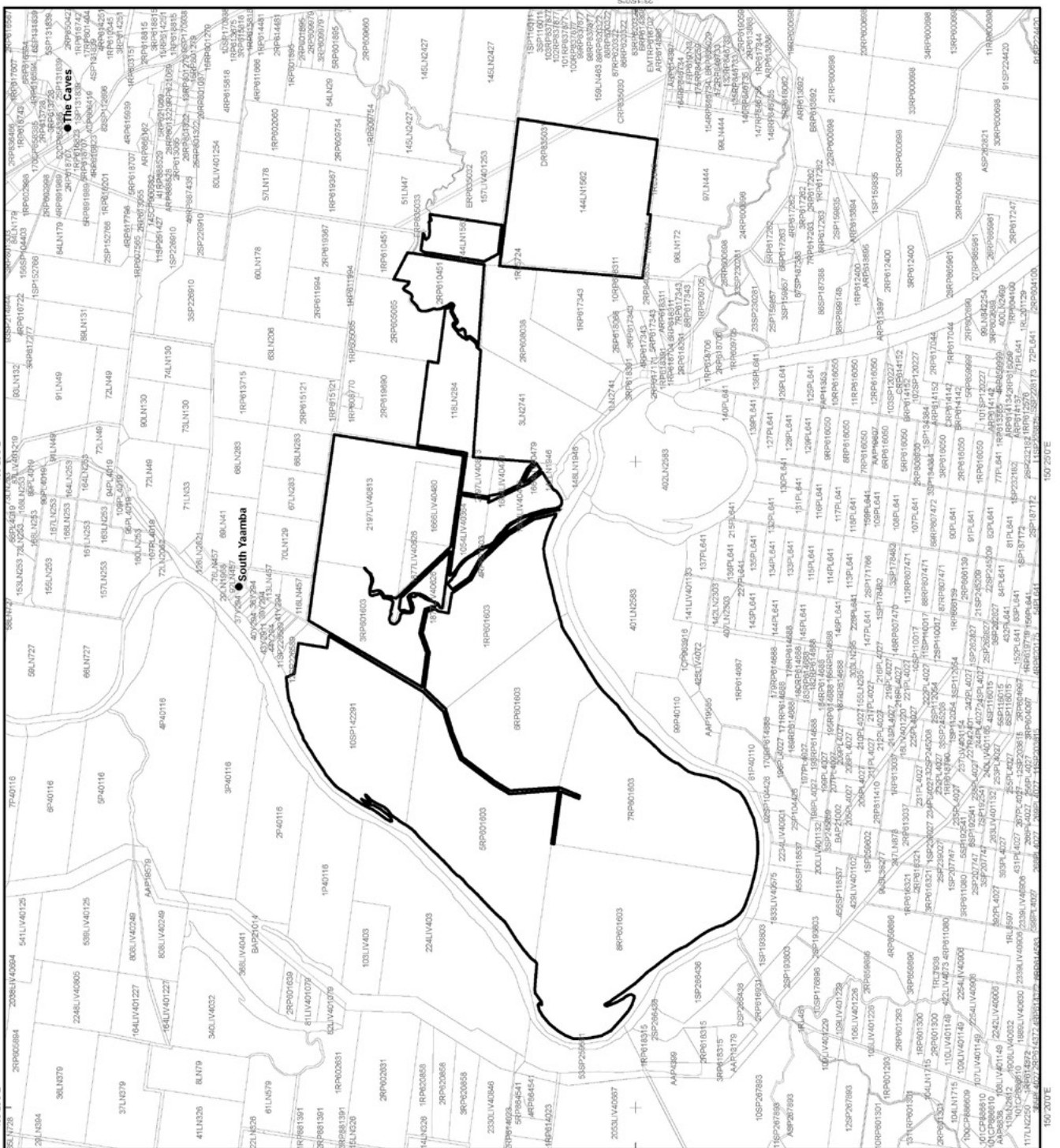
AgForce No: 27047
Property Name: Belmont Research Station
Commodities: Cattle

Disclaimer:
While every care is taken to ensure the accuracy of this product, the State of Queensland (Department of Resources) 2022 and AgForce Queensland make no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which you might incur as a result of the product being inaccurate or incomplete in any way and for any reason.

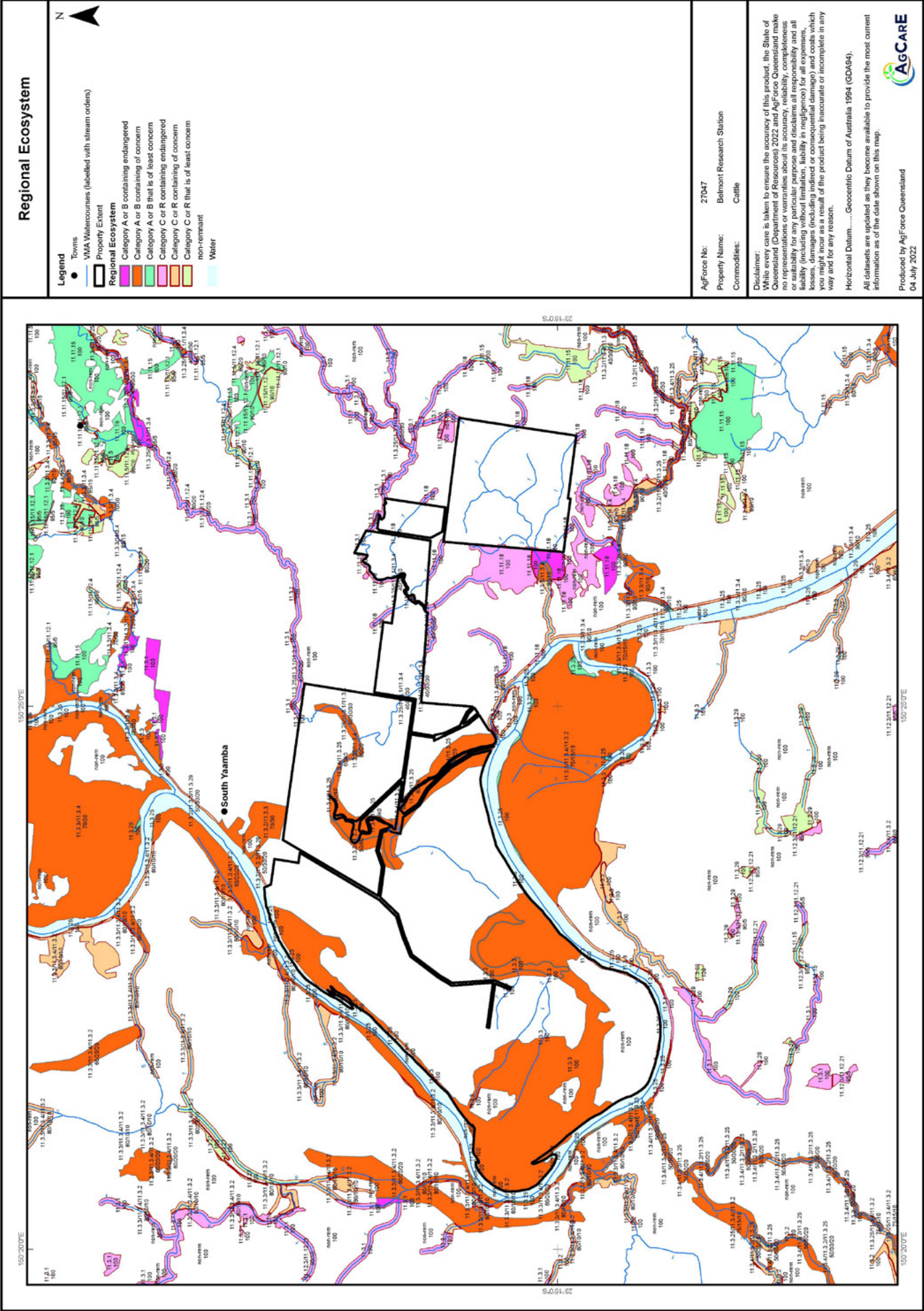
Horizontal Datum: Geocentric Datum of Australia 1994 (GDA94).

All datasets are updated as they become available to provide the most current information as of the date shown on this map.

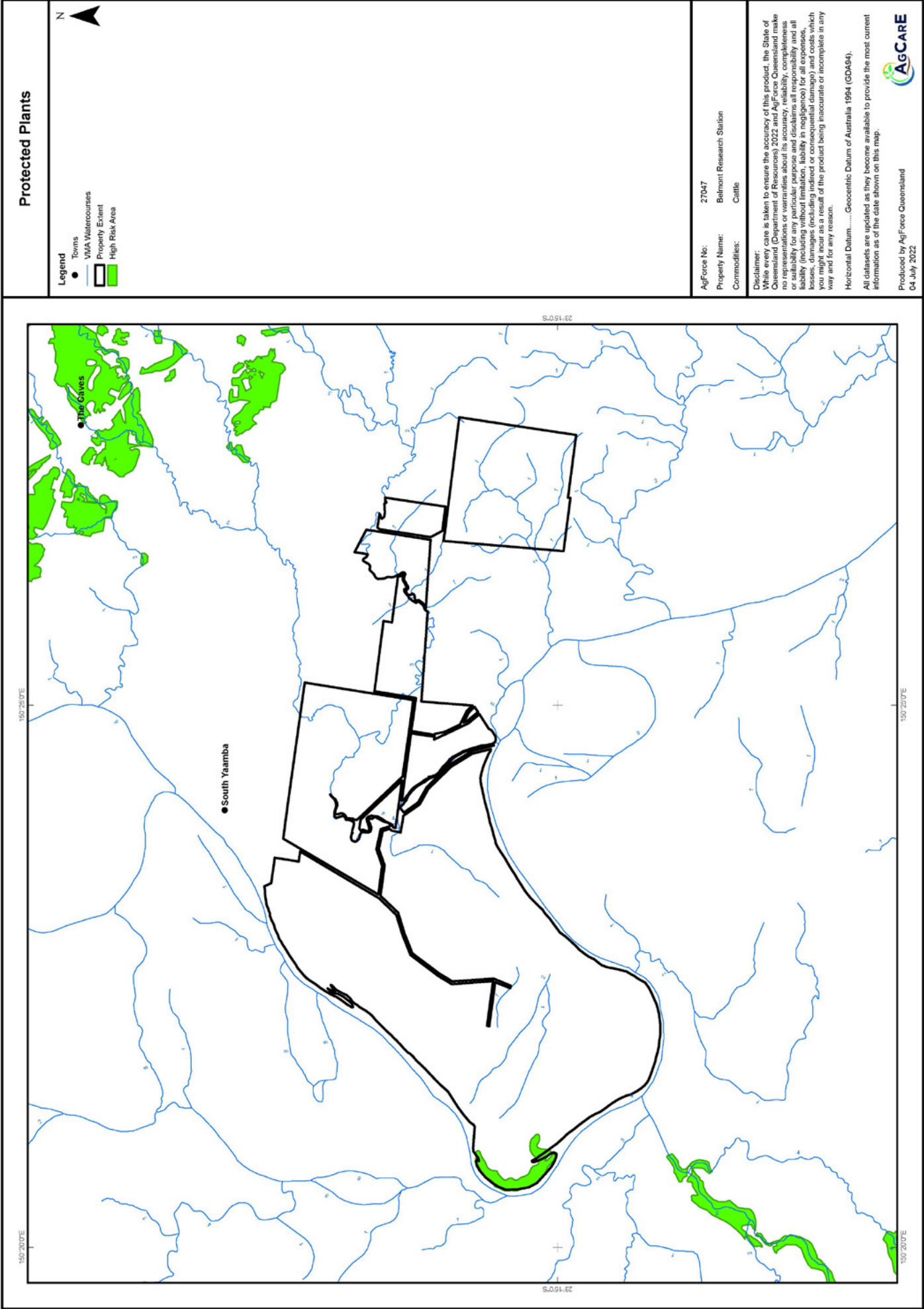
Produced by AgForce Queensland
04 July 2022



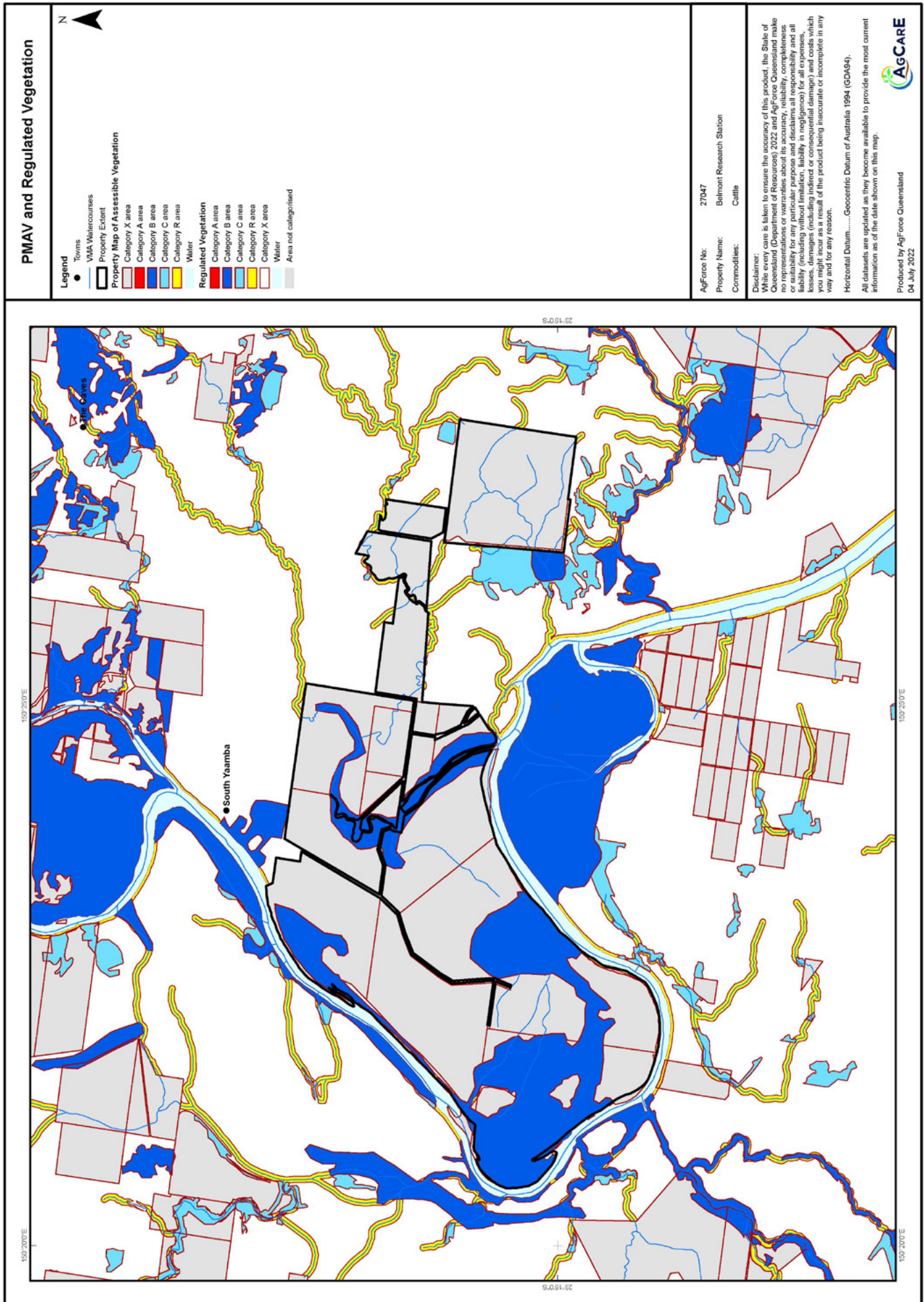
Regional Ecosystem



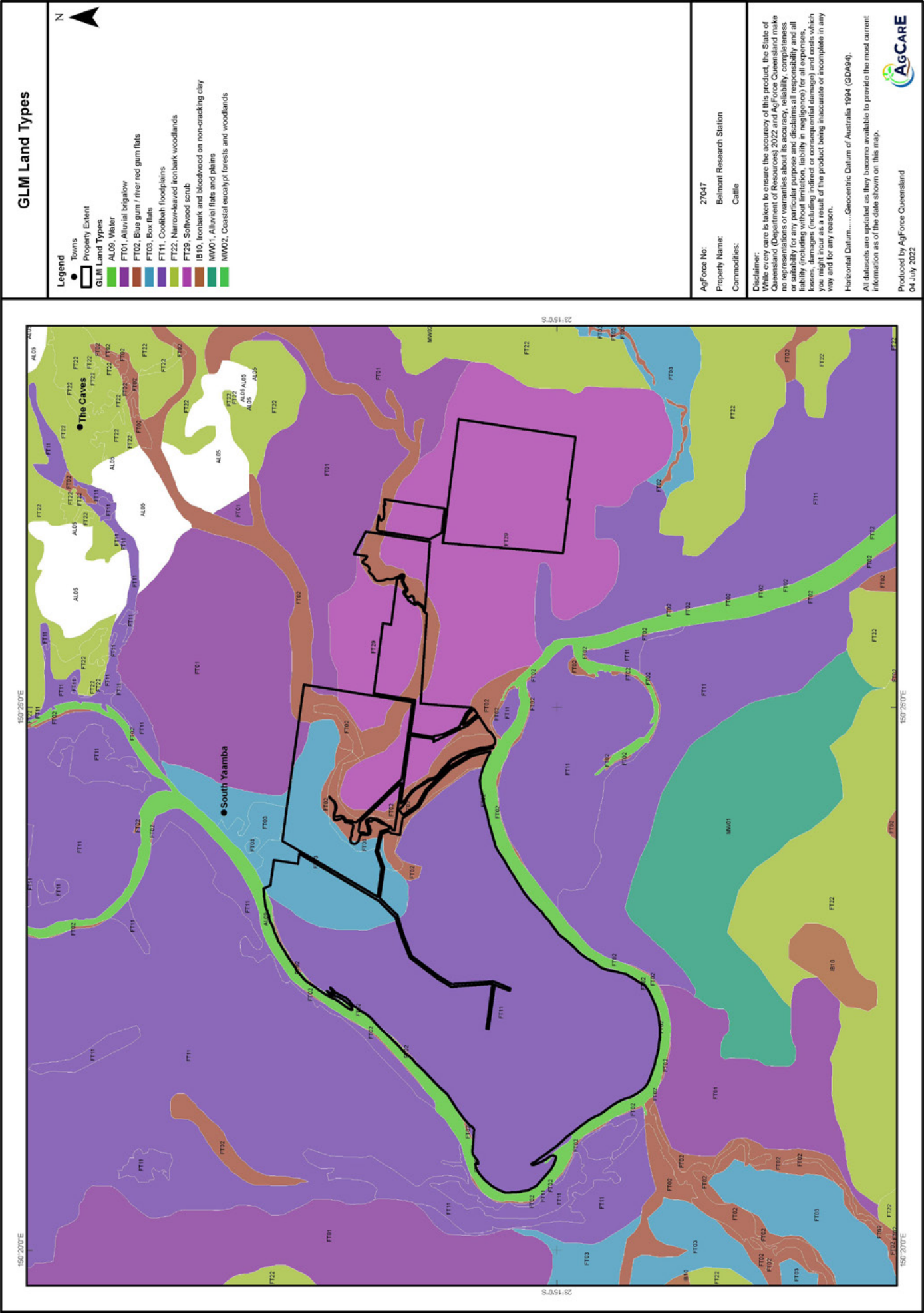
Protected Plants



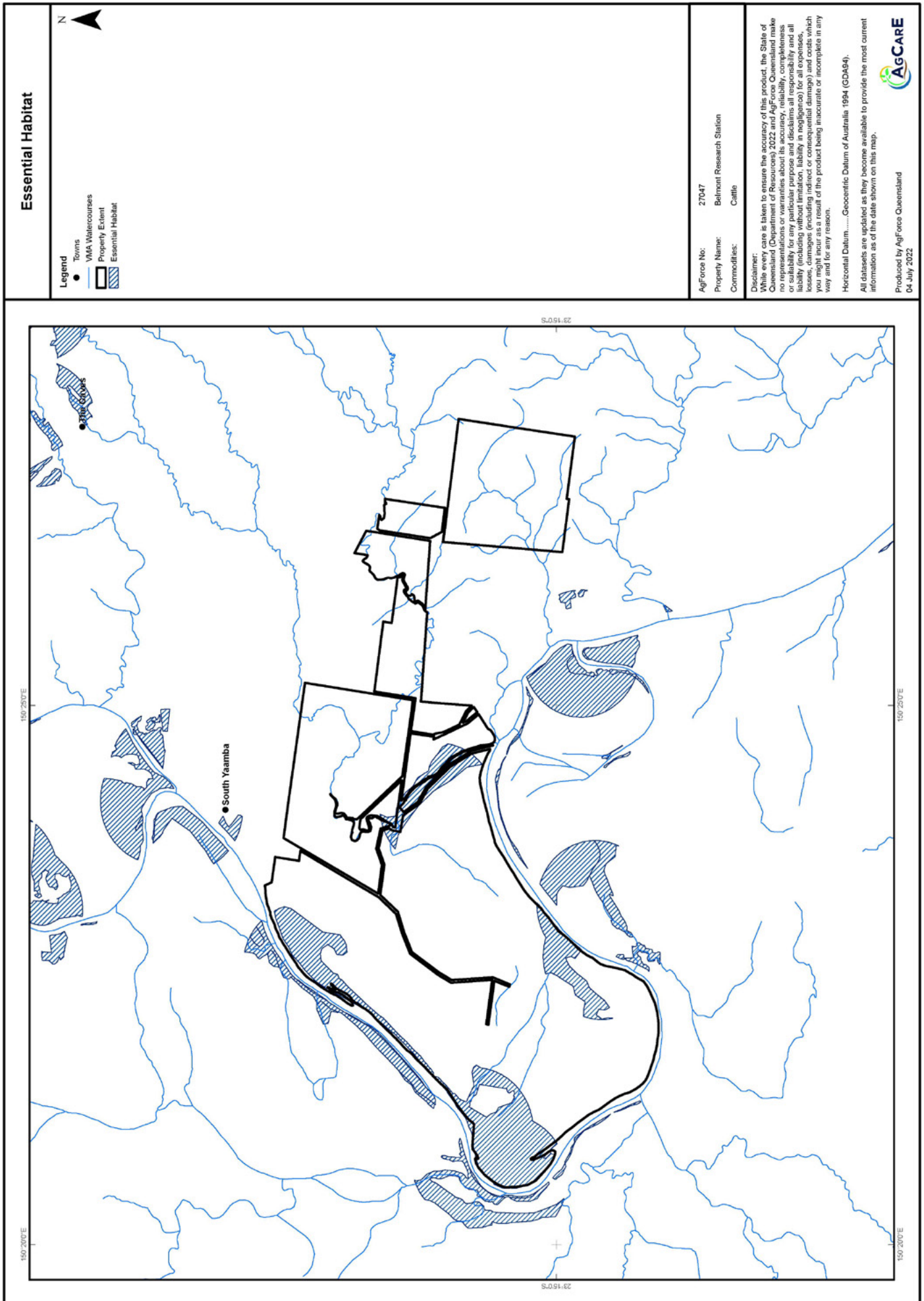
PMAV and Regulated Vegetation



GLM Land Types



Essential Habitat





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