


Gwydir Wetlands

State Conservation Area

Fire Management Strategy (Type 2)

2020 - 2025





This strategy should be used in conjunction with aerial photography and field reconnaissance.

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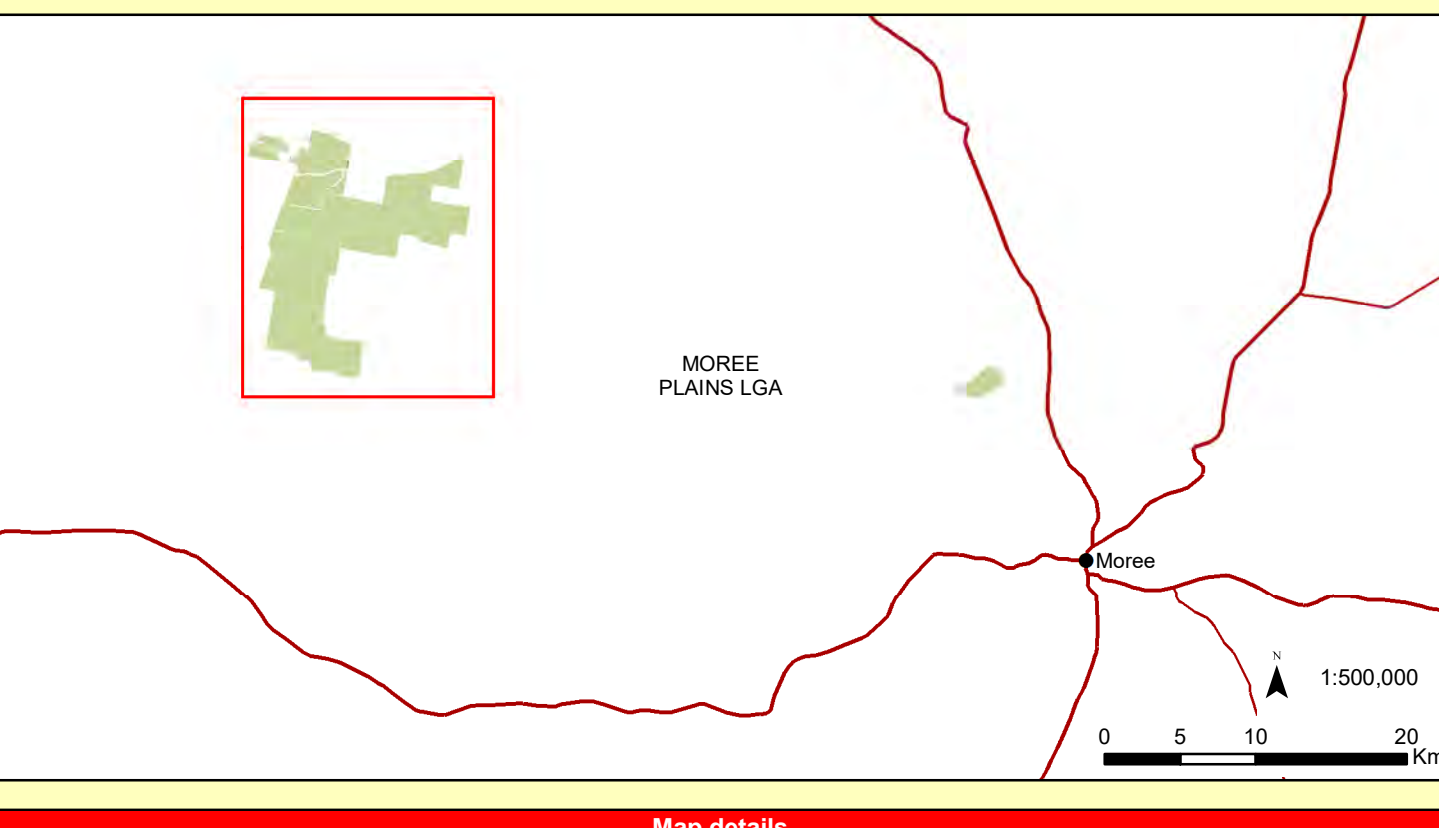
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This strategy is a relevant Plan under Section 38 (4) and Section 44 (3) of the Rural Fires Act 1997.

Locality Map



Map details: Datum: GDA, 1994, Zone 55. Geographic Coordinate System: GCS_GDA_1994. Noted scales: True when printed on A0 size paper. Topographic Map: 1:50,000. WGS84: 8731-N, GDA04: 8735-S.

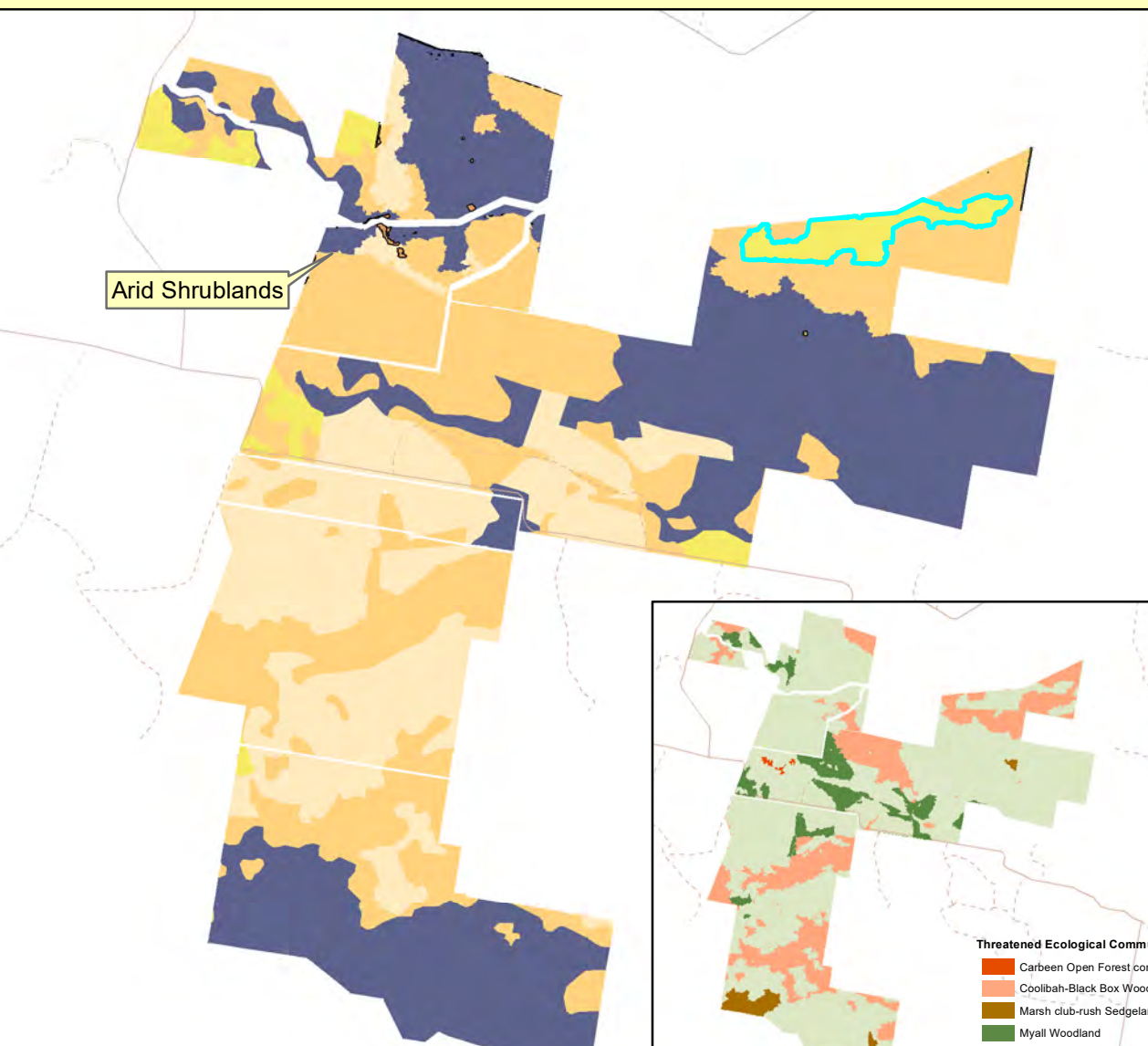
Local Government Area: Moree Plains

Fire Season Information

Wildfires	The critical wildfire season occurs during November to January, or anytime in late Spring to early Autumn after a long period of above average rainfall.
Prescribed Burning	Prescribed burning in the woodlands is only likely to be effective where above average rainfall has led to prolific grass growth. Prescribed burning in the wetlands can be undertaken in late winter and early spring. The following guidelines should be considered: <ul style="list-style-type: none"> There should be sufficient soil moisture to protect the sub-surface rhizomes. Light up access and containment lines should be constructed by slashing during dry conditions. Burning should be done with a prevailing wind that will carry the fire to low fuel areas within the reserve.

Vegetation

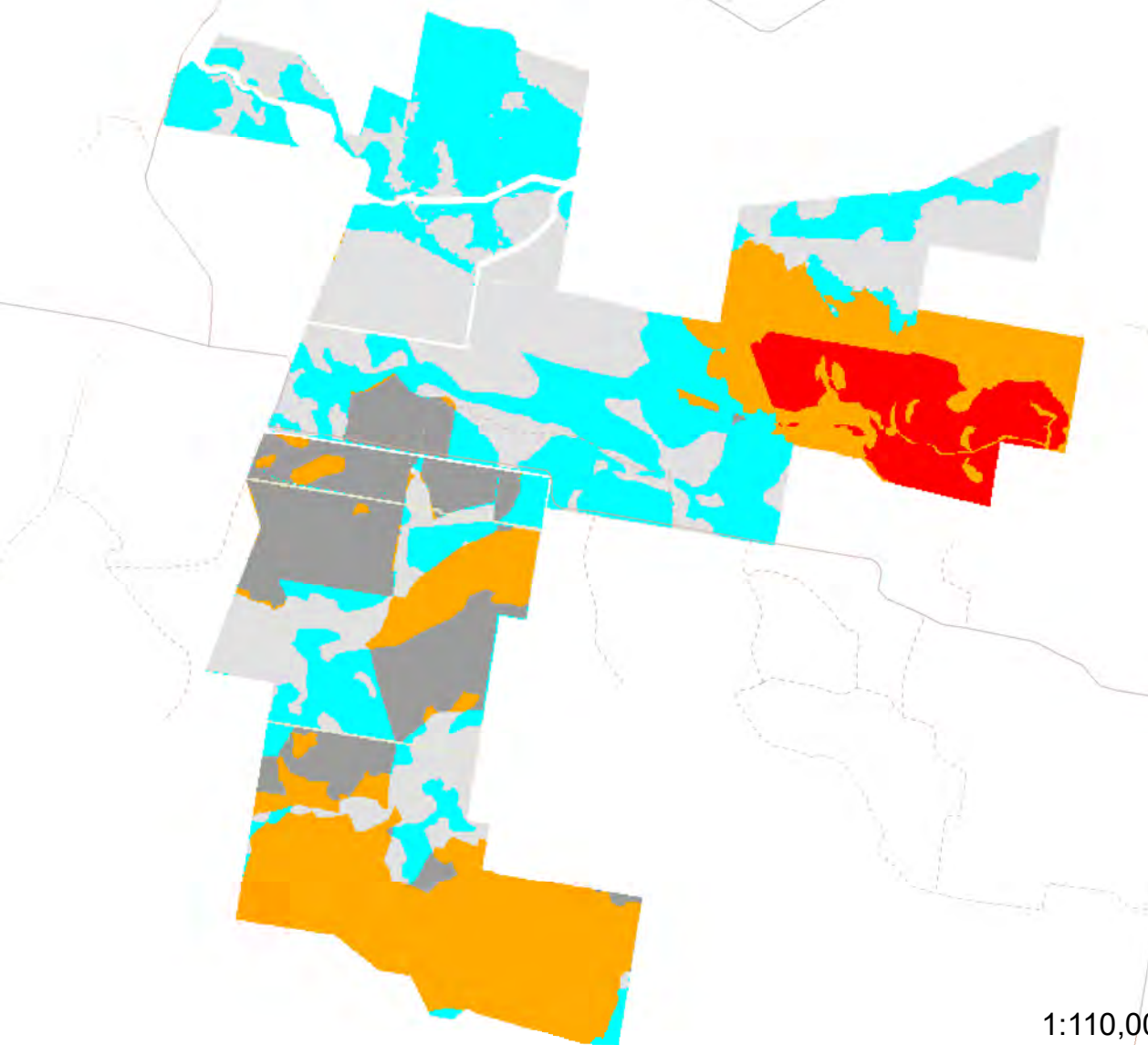
Vegetation Formation (KaRs)	Vegetation Management Guidelines	Fire Behaviour
Semi-arid Woodlands (Greeny sub-formation) Bough / Coolibah / Myall / Rivercedar	• Avoid fire intervals of less than 20 years. • Maintain a range of age classes to 40 years.	• Potential rates of spread are Low-Med due to low OPH. • Fire may carry through this community after successive wet seasons have produced a greasy understorey.
Woodlands (Woodley sub-formation) Blue gum / Red gum / Black gum	• Avoid fire intervals of less than 20 years. • Maintain a range of age classes to 40 years.	• Potential rates of spread are Low-Med due to low OPH. • Fire may carry through this community after successive wet seasons have produced a greasy understorey.
Arid Shrublands (Cheopwood sub-formation) Fruiting gum / Spotted gum / Spotted gum / Spotted gum	• Avoid fire intervals of less than 6 years. • Maintain a range of age classes to 40 years. • Communities containing Callitris should have a minimum fire interval of 10 years.	• Potential rates of spread are Low-Med due to low OPH. • Fire may carry through this community after successive wet seasons have produced a greasy understorey.
Freshwater Wetlands (Cotton reed / Marsh club-rush / Marsh club-rush / Marsh club-rush)	• An interval of five years is preferred. • In River Creeks and Lignum associates a minimum interval of 10 years is preferred. • Prescribed burning is not permitted under conditions of severe drought stress.	• Potential rates of spread are generally high due to very high or above fuel loads in wetlands. • The entire wetland will burn out in dry conditions. • Potential rates of spread will be lower in River Creeks associations.
Grasslands	• The minimum interval between fires should be 2 years. • The maximum interval between fires should be 10 years.	• Potential rates of spread are dependent on seasonal conditions. • Low OPH and hence low rates of spread occur in dry years. • A Moderate to High OPH may develop after successive wet seasons producing continuous ground cover. In these conditions potential rates of spread may be Moderate to Very High.
Grassy Woodlands (Poa tussock)	• The minimum fire interval in healthy stands of these grassy woodlands is five years. • Where the health of the woodlands is compromised, the minimum fire interval should be increased to 10 years. • The maximum fire interval is 40 years.	• Potential rates of spread are Low-Med due to low OPH. • Fire may carry through this community after successive wet seasons have produced a greasy understorey.



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Vegetation Fire Thresholds

Vegetation Threshold	Treatment
Too Frequently Burnt	Fire thresholds have been exceeded. Protect from fire as far as possible.
Vulnerable to Frequent Fire	The area will be Too Frequently Burnt if it burns this year. Protect from fire as far as possible.
Within Threshold	Fire history is within the threshold for vegetation in this area. A burn is neither required nor should one necessarily be avoided.
Long Unburnt	Fire frequency is below fire thresholds in the area. A prescribed burn may be advantageous. Consider allowing unplanned fires to burn.
Unknown	Insufficient data to determine fire threshold.
No Regime Assigned	Areas which do not have recommended fire intervals assigned to them eg. cleared land, rock.

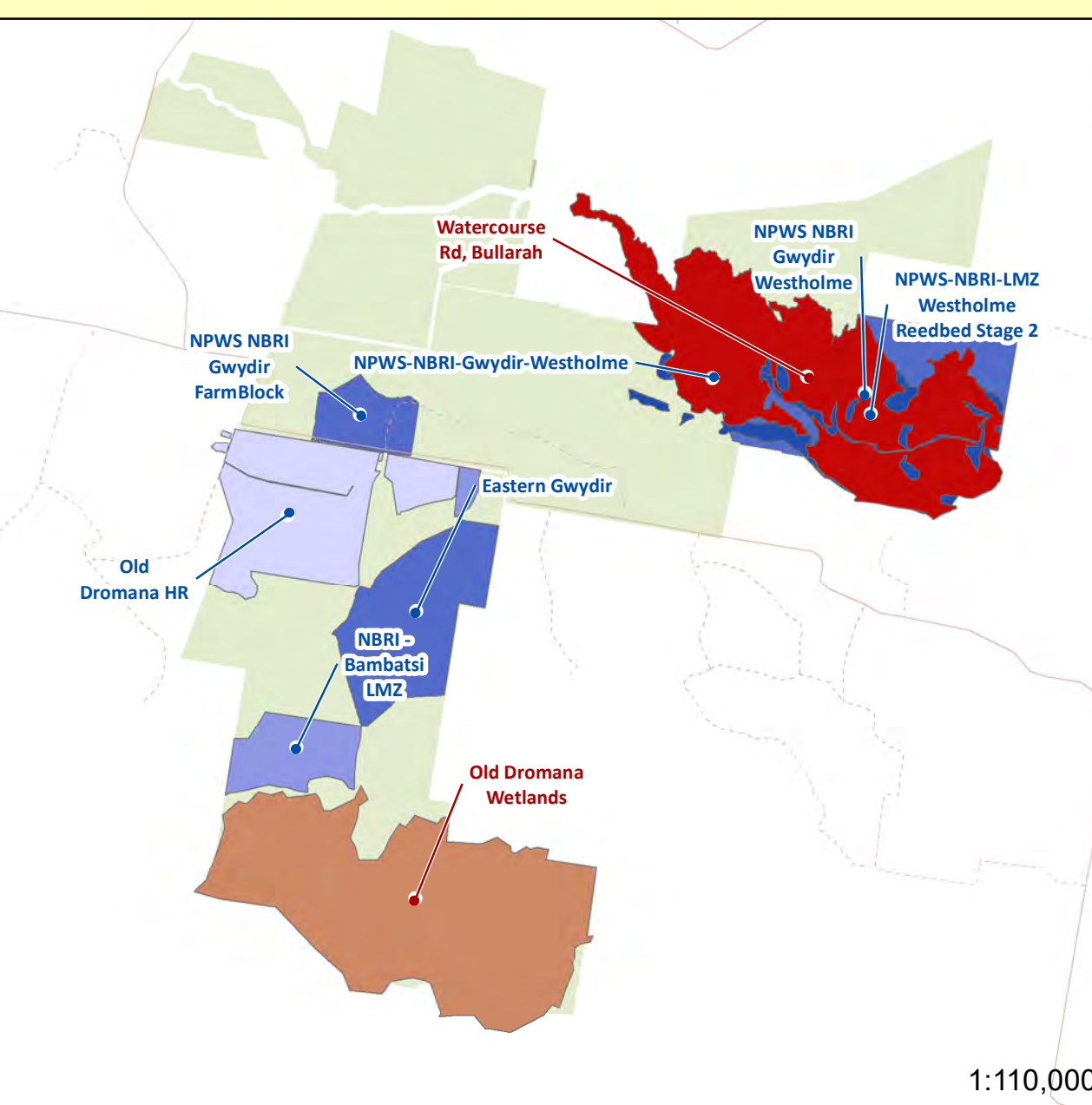


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NB: Fire thresholds are defined for vegetation communities to conserve biodiversity.

Fire History

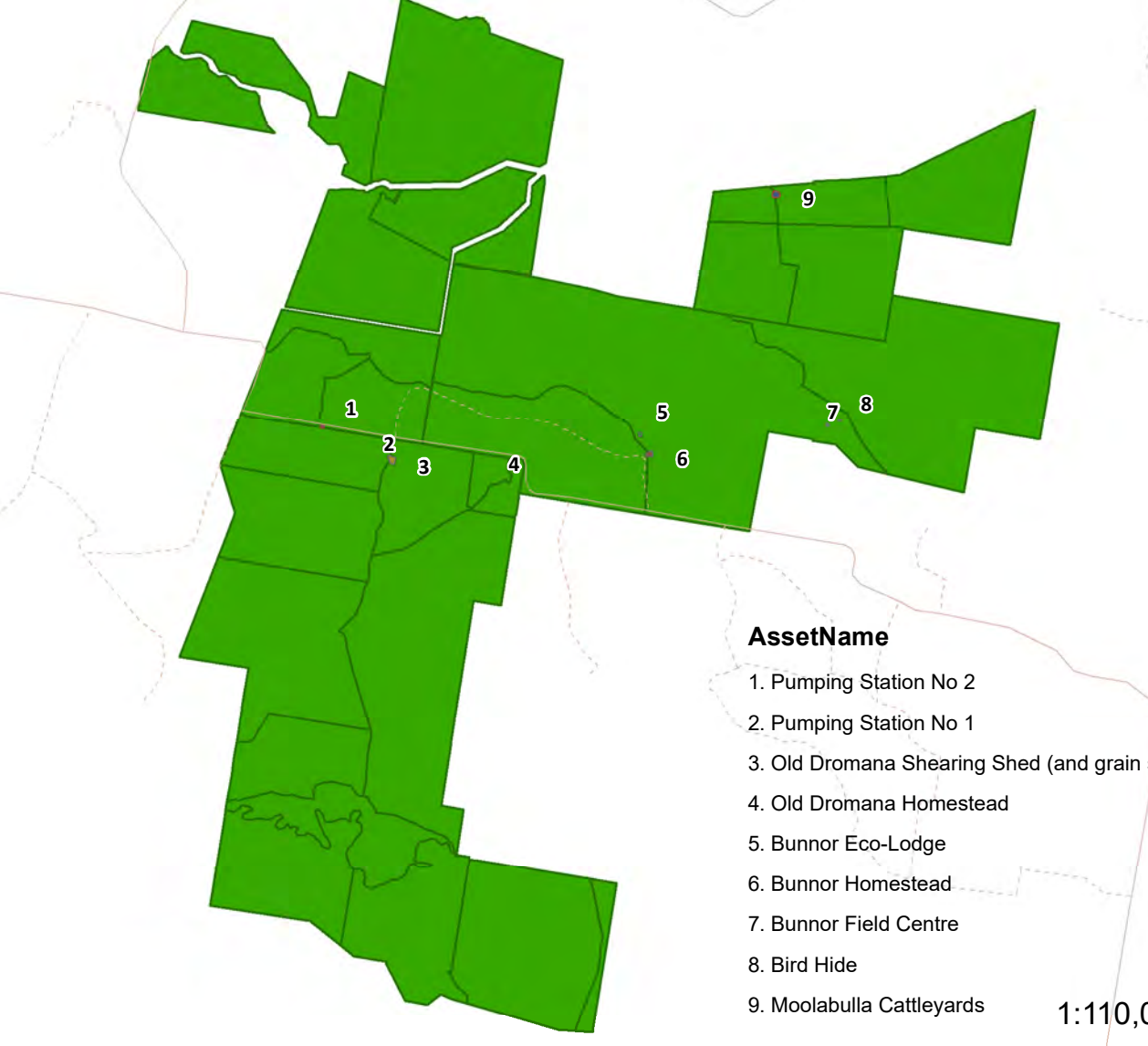
Fire Type	Fire Details
Prescribed Burn	<ul style="list-style-type: none"> 2017-18: Westholme Reseedbed Stage 2 - Intense fire that removed most standing vegetation in the reed bed 2017-18: Eastern Gwydir - Moderate - low intensity patchy burn that removed some surface and near-surface fuels 2016-17: Gwydir Farmblock - Patchy low intensity burn that removed some surface and near-surface fuels 2016-17: Gwydir Westholme - Intense fire that removed most standing vegetation in the reed bed 2013-14: Bambatli L&M - Moderate intensity fire that removed much of the surface and near-surface fuels in a grassland dominated by Bambatli grass 2012-13: Old Dromana - Moderate intensity fire that removed much of the surface and near-surface fuels in a grassland dominated by native grasses 2019-20: Watercourse Rd, Bullarah - Intense fire that removed most standing fuel in the Gingham Watercourse reed bed
Wildfire	<ul style="list-style-type: none"> 2016-17: Gwydir Westholme - Intense fire that removed most standing fuel in the Gingham Watercourse reed bed 2013-14: Old Dromana Wetlands - Intense fire that removed most standing fuel in the Big Leather Watercourse reed bed



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Risk Management Information

Fire Management Zone	Treatment
Asset Protection Zones	The objective of APZs is the protection of human life and property. They will have precedence over guidelines for the management of biodiversity. Maintain Overall Fuel Hazard at Moderate or below.
Strategic Fire Advantage Zones	The objective of SFZAs is to reduce fire intensity in locations to assist containment of wildfires, by maintaining the Overall Fuel Hazard less than HIGH.
Land Management Zones	The objective of LMZs is to conserve biodiversity and protect cultural heritage. Manage fire consistent with fire thresholds.

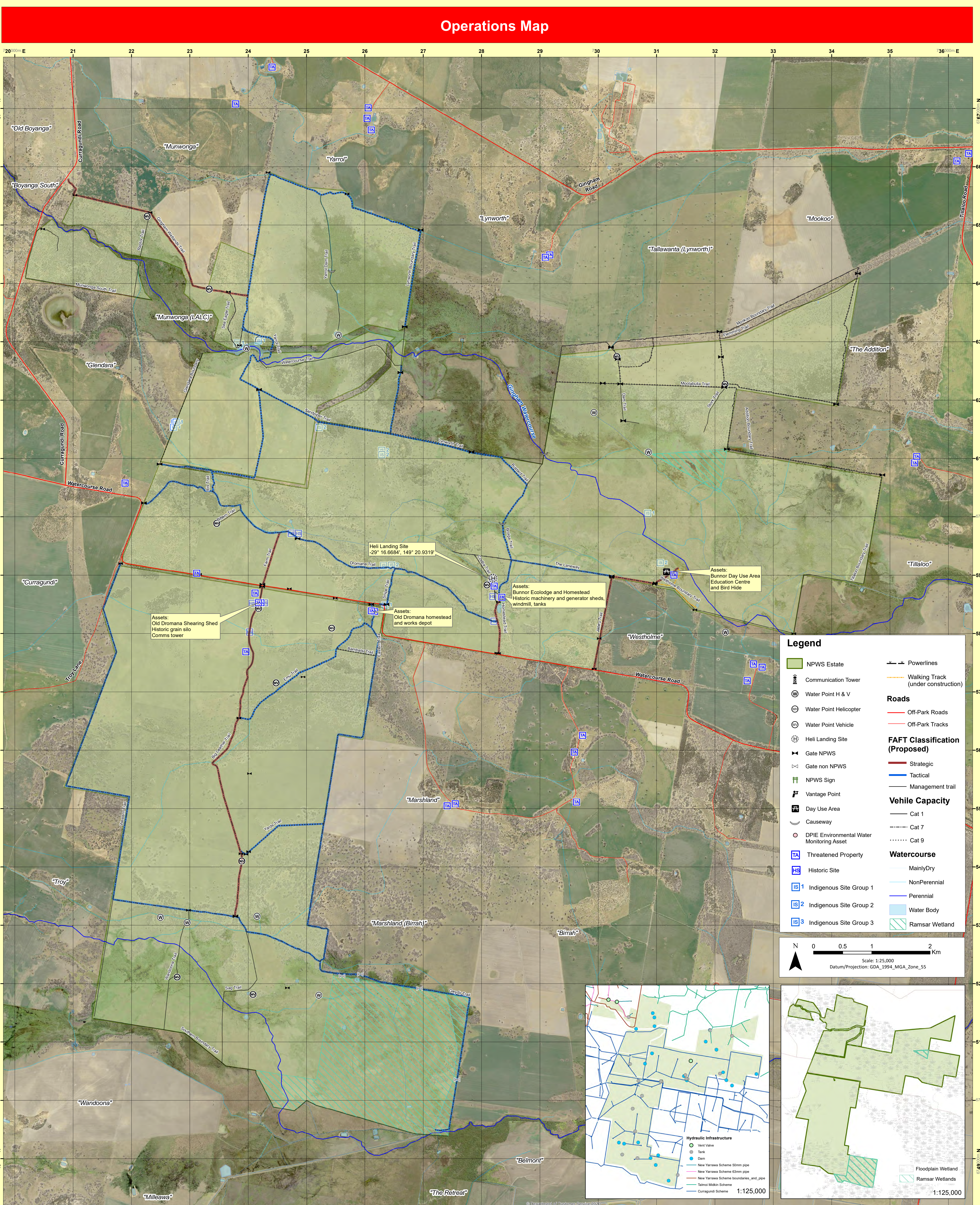


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AssetName

- Pumping Station No 2
- Pumping Station No 1
- Old Dromana Shearing Shed (and grain silo)
- Old Dromana Homestead
- Bunoor Eco-Lodge
- Bunoor Homestead
- Bunoor Field Centre
- Bird Hide
- Mobulaba Cattleyards

Operations Map



Legend

- NPWS Estate
- Communication Tower
- Water Point H & V
- Water Point Helicopter
- Water Point Vehicle
- Hel Landing Site
- Gate NPWS
- Gate non NPWS
- NPWS Sign
- Vantage Point
- Day Use Area
- Causeway
- DPIE Environmental Water Monitoring Asset
- Threatened Property
- Historic Site
- Indigenous Site Group 1
- Indigenous Site Group 2
- Indigenous Site Group 3
- Powelines
- Walking Track (under construction)
- Off-Park Roads
- Off-Park Tracks
- FAFT Classification (Proposed)**
- Strategic
- Tactical
- Management trail
- Vantage Point
- Day Use Area
- Causeway
- DPIE Environmental Water Monitoring Asset
- Threatened Property
- Historic Site
- Indigenous Site Group 1
- Indigenous Site Group 2
- Indigenous Site Group 3
- Vehicle Capacity**
- Cat 1
- Cat 7
- Cat 9
- Watercourse**
- Mainly Dry
- NonPerennial
- Perennial
- Water Body
- Ramsar Wetland
- Floodplain Wetland
- Ramsar Wetlands

Scale: 1:25,000
Datum/Projection: GDA_1994_MGA_Zone_55