



Dumaresq Solar Farm

Scoping Report supporting the request for SEARs

Prepared by Halo Renewable Energy



February 2020 v2.0

This Scoping Report has been prepared in good faith with information that Halo Renewable Energy believes to be accurate and complete. That being said, areas of this report rely on searches of various databases, including Government departments & Government data sources. Halo assumes that the information obtained through those sources is accurate.

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Contents

Introduction	5
Project Overview	5
Summary	5
Landowner Agreement & Site Overview	5
Facility Components	6
Proposed Transmission Connection Option	6
Purpose of This Scoping Report	12
The Project Developer	12
Dumaresq Solar Farm Project Details	14
Location of the Site	14
Comment on Site	14
Site Locality	14
Project Design	15
Core Project Technology	15
Anticipated Capital Investment	16
Project Lifecycle & Timeframe	16
Construction Phase	16
Operational Phase	17
Decommissioning	18
Project Justification & Alternatives	19
Strategic Justification	19
National	19
State	19
Local	20
Energy Market	20
Alternative Sites Considered	21
Dumaresq Solar Farm Planning Considerations	23
Environmental Planning and Assessment Act 1979	23
Part 4 of the EP&A Act	23
Approval process	23
Local environmental plan	24
Legislation to be applied consistently	24
Approvals that do not apply	25
Other relevant legislation	25
Commonwealth legislation	26
Environment Protection and Biodiversity Conservation Act 1999	26

Native Title Act 1993.....27

Preliminary Impact Identification & Assessment 28

Rationale For Approach28

Preliminary Key Issue Investigations28

Biodiversity28

 Biodiversity Searches Undertaken.....28

 Desktop Findings.....28

 Conclusion & Assessment.....29

Groundwater, Erosion & Air Quality.....29

Heritage29

Visual Impact.....29

Noise31

 Regional Site Location & Existing Noise From Electrical Infrastructure31

 Noise Levels Across Solar Farm Lifecycle.....31

Traffic32

 Existing Infrastructure Near Site.....32

 Travelling Stock Reserve32

 Impact of Development32

 Detailed Traffic Management & Safety Planning32

 Indicative Transport Routes.....33

Aboriginal Heritage & Native Title34

Socio-Economic Impact.....34

Waterways & Wetlands35

Bushfires & Floods35

Mining Operations36

Contaminated Lands.....36

Consultation Process..... 37

 Consultation & Notification Activity Undertaken To Date37

 Ongoing Consultation Activities37

 Potential For Cumulative Impact.....38

Scoping Report Conclusion 39

Supporting Attachments to Scoping Report 40

Introduction

Project Overview

Summary

Dumaresq Solar Farm Pty Ltd (ABN 66 636 603 373) (“DSF”) is proposing to construct and operate a utility scale photovoltaic solar (“PV”) generation facility, accompanying Battery Energy Storage System (“BESS”) and associated supporting infrastructure (all referred to together as the “Facility”) with a capacity of up to 190 megawatt AC (“MW”) to be located on land (“Site”) between the towns of Ashford and Bonshaw, in the Inverell Shire of New South Wales (NSW) (the “Project”), shown in Figure 1(a) & 1(b).

The electricity generated from the Facility (*including that stored in the BESS*) will be transmitted by existing Dumaresq to Bulli Creek 330 kV transmission lines (“Lines”) that intersect the Site. Specifically DSF is progressing enquiries with Transgrid in relation to Line 8M. Those Lines have been in place since the early 2000’s and are owned & operated by TransGrid. Figure 2 provides an overview of the Site, including the position of the Lines.

The Facility will operate year-round during daylight hours to generate electricity for NSW homes and businesses. The use of the BESS (*the optimal size of which is still being assessed – but it will be a maximum of 190MW/380 MW-hrs*) will enable electricity to be discharged into the network, including during evening periods when demand for electricity traditionally is at peak.

Landowner Agreement & Site Overview

Landowner agreement to develop the Project is in place via an executed option to lease and attaching lease agreement. DSF engaged Herbert Smith Freehills to prepare and advise on the legal documentation that was signed with the landowner (*and option fee paid*).

The Facility is anticipated to be constructed on a 205-hectare (“ha”) parcel of land that has traditionally been used for a combination of grazing and crop raising and forms a smaller area of the total property Lot on which it will be based. Figure 3(a) & 3(b) outline the conceptual Project layout, including conceptual Project footprint, regional homesteads, high level biodiversity mapping (*plant communities*) proposed transmission connection point and other information. The final design of the Project, including the Site, will be confirmed after detailed engineering and other studies as a part of the EIS preparation.

Given the long-standing use of the land for agricultural purposes, the Site has been cleared of vegetation & trees (*random paddock trees remain*). As such civil works required to prepare the construction of the Facility are expected to be straightforward.

A review of the New England North West Strategic Regional Land Use Plan does not identify the Site as Biophysical Strategic Agricultural Land (“BSAL”)¹

Pictures of the Site are detailed in **Attachment 1**, and also are available (*along with video*) on a designated page at the Project website : www.dumaresqsolarfarm.com

¹ <https://www.planning.nsw.gov.au/Plans-for-your-area/Regional-Plans/New-England-North-West>

Facility Components

The Facility is currently anticipated to include the following hardware and software:

- Solar PV panels (also known as “Modules”);
- Steel or alloy ground mounts for the Modules;
- Single axis tracking system;
- Battery storage units;
- Telecommunications equipment, including potential for fiber optic and/or satellite infrastructure;
- Security lighting and monitoring cameras – likely with infra-red capability;
- Operations optimisation software monitoring sensors;
- Electrical transformers;
- Electricity power inverters;
- Electrical metering and electrical switchgear;
- Electrical wiring;
- Basic site operations office & storage area;
- Car parking area including potential water storage infrastructure; and
- Access gates, access roads, security fencing.

Due to the current hardness of the ground at the Site as a result of severe drought conditions, geotechnical investigation will be required to understand the best approach for the erection of the ground mounts – be that screwed in or pile driven.

Proposed Transmission Connection Option

The proposed connection option, following receipt of the Preliminary Technical Advice from Transgrid on 22 January 2020, is to connect to Line 8M of the Dumaresq to Bulli Creek 330 kV transmission line. Investigations are progressing with Transgrid on this option.

No other options are being progressed at this time.

Figure 1(a): Dumaresq Solar Farm Project Area

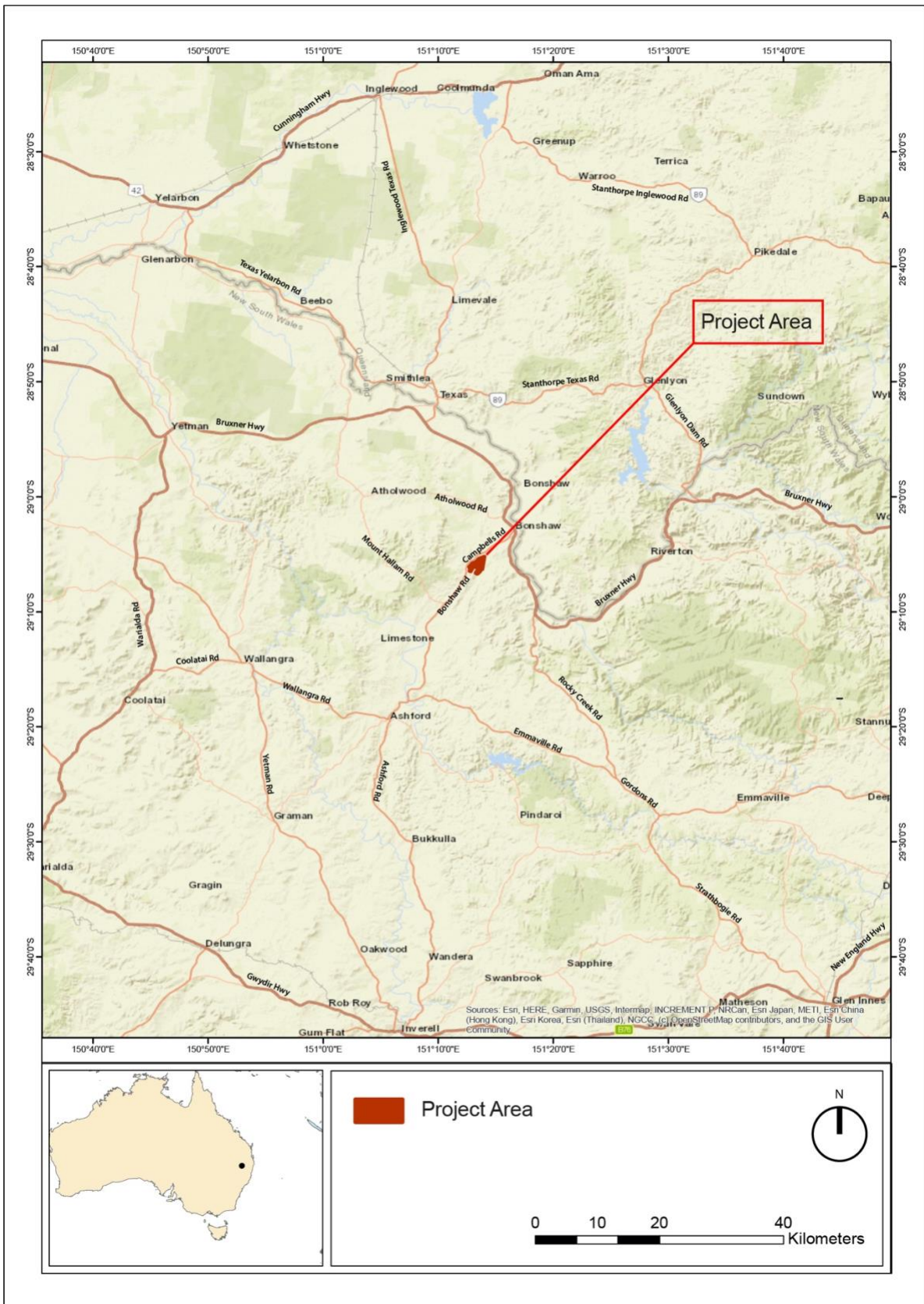
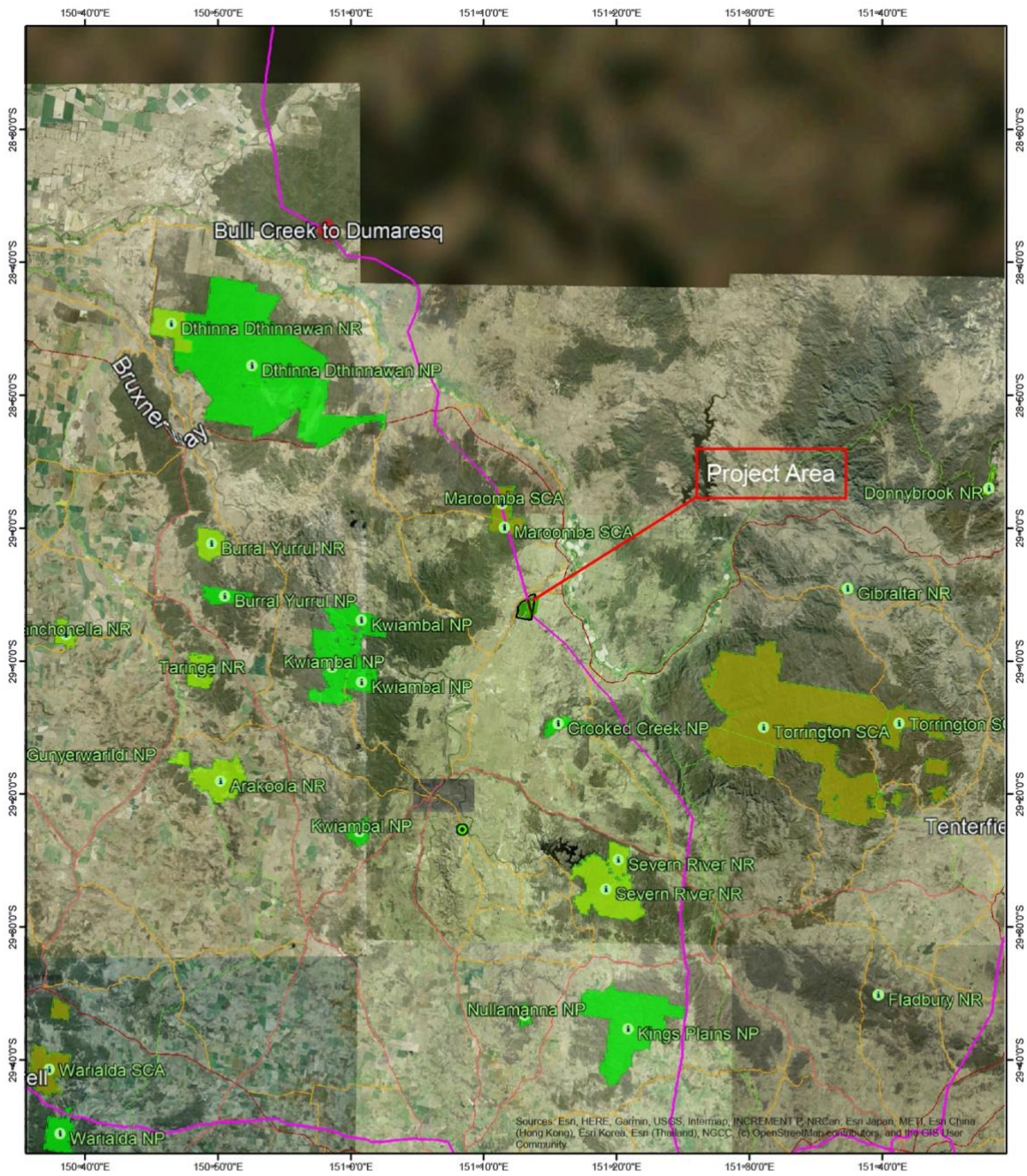


Figure 1(b): Detailed Regional Context



DETAILED REGIONAL CONTEXT

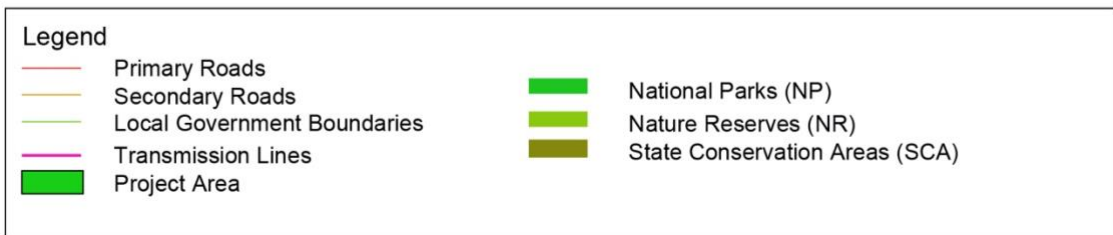


Figure 2: Site area adjacent to Bonshaw Road

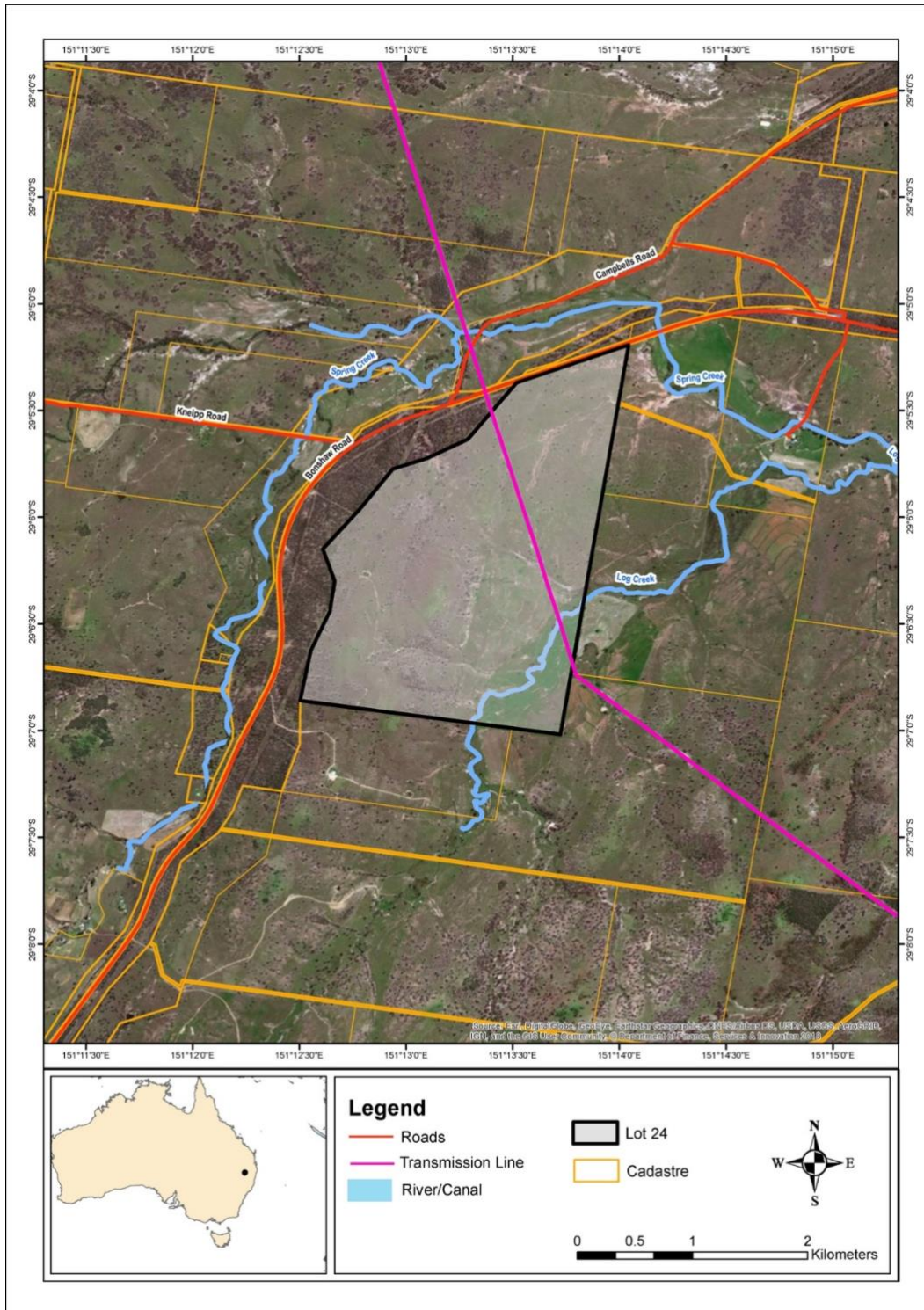


Figure 3(a): Conceptual solar farm project area within the Site

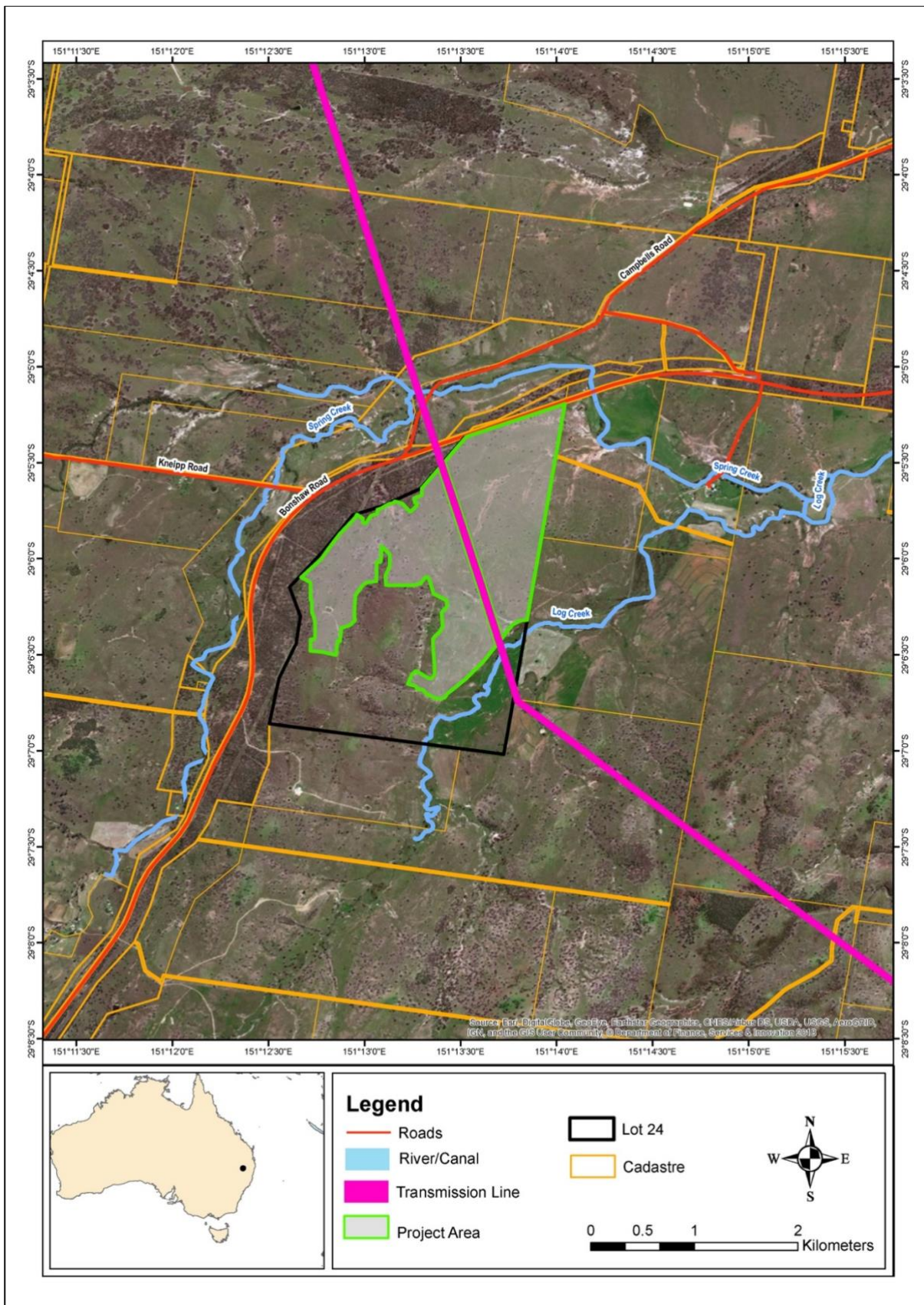
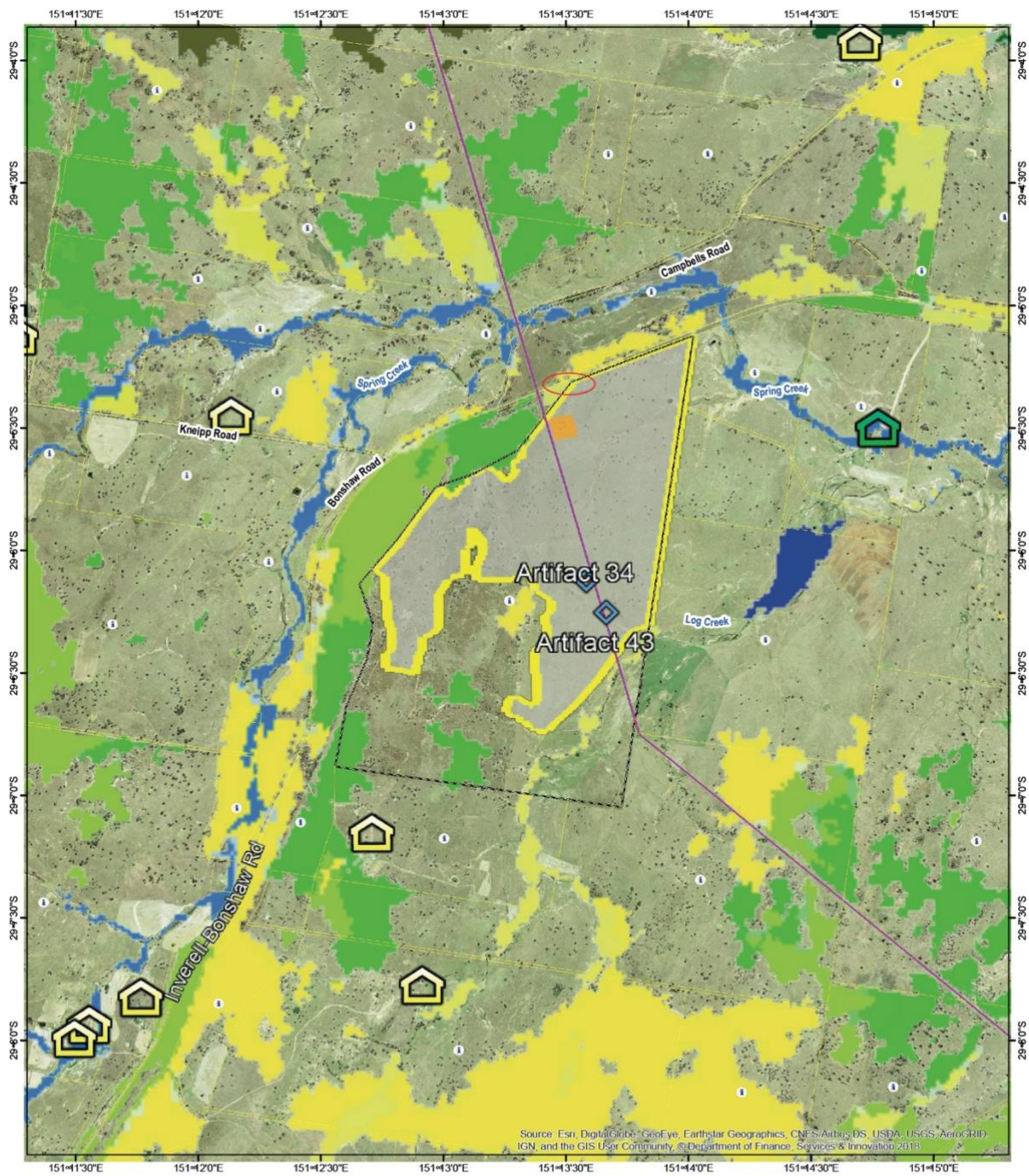
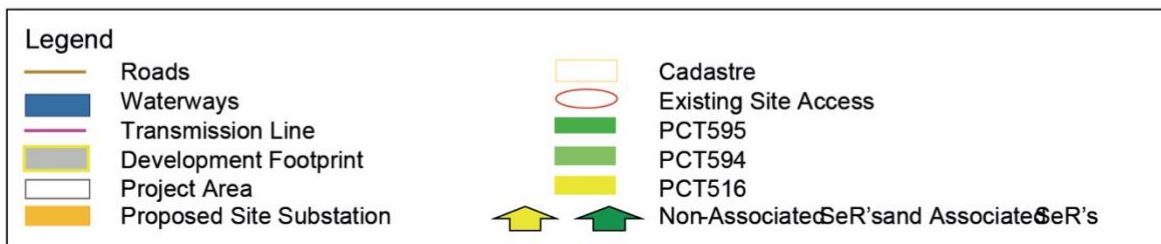


Figure 3(b): Project Layout



PROJECT LAYOUT



Purpose of This Scoping Report

The construction of the Dumaresq Solar Farm will have Capital Investment Value (“CIV”) of greater than A\$30 Million.

As such the Project is deemed to be a State Significant Development (“SSD”) in accordance with clause 20 of Schedule 1 of the State Environmental Planning Policy (State and Regional Development), 2011 and will be assessed under Part 4 of the Environmental Planning and Assessment Act 1979 (“EPAA”).

DSF therefore is requesting the issue of the Secretary’s Environmental Assessment Requirements (“SEARs”) for the preparation of an Environmental Impact Statement (“EIS”) to accompany the SSD application.

This Scoping Report has been prepared by DSF to accompany that request for SEARs, which will identify the requirements for the EIS that will be prepared to accompany the ultimate SSD application.

Specifically, this Scoping Report has been prepared to:

- detail the proposed key elements of the Project;
- identify the relevant planning provisions;
- identify and assess the potential environmental impacts associated with the Project;
- provide justification for the Project compared to alternative options;
- outline the various areas of consultation that are proposed; and
- to obtain the SEARs which will allow DSF to proceed with the development application process.

DSF believes that the timing of this Project compliments the Australian and International ambitions for more electricity to be generated from renewable sources. The construction and operation of this large electricity generating facility is also anticipated to be of both short term and long-term economic benefit to the Inverell Shire Council region.

The Project Developer

Halo Renewable Energy (“Halo”) is the developer (“Developer”) of the Dumaresq Solar Farm renewable energy project. DSF is a special purpose vehicle incorporated specifically for this Project.

Halo’s strategic purpose is to leverage over 20 years of experience in the engineering and renewable energy sectors to:

1. pursue solar PV developments in both Australia and abroad; and
2. develop complimentary services and technologies to support the developed projects long term.

Halo is able to draw on the extensive resources of the award-winning boutique investment banking and strategic advisory firm LCC Asia Pacific (“LCC”) [www.lccasiapacific.com] through a collaborative venture styled contractual arrangement to pursue both DSF and other solar PV generation projects.

LCC’s current and historic clients include both Australian and International specialist High Voltage Electrical Engineering Firms, Civil Contractors, Generalist Electrical Contractors, Electricity Network Operators and various energy sector service and hardware players. There is also extensive interaction with lawyers, investors and financiers that will be required to move each of Halo’s solar projects from concept through approval and into construction.

Halo Renewable Energy has directed DSF to become a signatory to the United Nations Global Compact, which reinforces the commitment to drive an agenda of corporate sustainability for a better world.

To learn more on the UNGC visit : www.unglobalcompact.org

LCC's Founder is also the Founder & Managing Director of Halo.

Dumaresq Solar Farm Project Details

Location of the Site

The proposed Dumaresq Solar Farm is to be located in the Inverell Local Government Area (“LGA”) approximately 10 km West/Southwest of Bonshaw, 35 km north of Ashford and 100 km north of Inverell. The Project is to be constructed across approximately 205 ha with elevations on the Site ranging from 334 m to 364 m Australian Height Datum (“AHD”).

Cadastre details (“Lot”) involved in the Project are Lot 24 of DP 750061.

The landholder of the Site has executed the required binding legal documentation which will allow the Developer to proceed with the Project (*the Project is still subject to approvals, financing, etc.*).

No subdivision of land is proposed on the Lot. Should it be required, however, such planning amendment will be addressed within the EIS and would then be the subject of further consultation with the NSW Department of Planning and Environment (“DP&E”) and Inverell Shire Council.

Proposed access to the Site will be via Bonshaw Road (*existing access point*). Bonshaw Road is a well trafficked local road which extends from the town of Ashford in the south to joining the Bruxner Highway in the north.

Comment on Site

The Site is located in a sparsely populated rural region on land that has been farmed for an extended period. The Site comprises large fenced paddocks and as such the land has been almost completely cleared of vegetation and trees.

The proposed development footprint has been estimated to cover the area outlined in Figures 3(a) & (b). This is a preliminary design only and needs to be advanced in conjunction with refined surveying of Site, geotechnical studies and other detailed investigations as a part of the EIS.

Due to the characteristics of the Site (*including the fact Lines currently traverse it*) it is anticipated that little vegetation will need to be removed. That being said, any vegetation that is required to be removed will be identified via field work as a part of the EIS.

Site Locality

DSF is to be located within the Inverell Shire Council Local Government Area. The nearest townships to the Site are those of Ashford (*652 population as at 2016 Census*) and Bonshaw (*133 population as at 2016 Census*).

The nearest regional towns are those of Tenterfield (*4,066 population as at 2016 Census*) and Inverell (*11,660 population as at 2016 Census*).

The Inverell and Tenterfield greater regions have higher populations. As a part of the Project’s strategic development DSF intends to encourage local participation in the Project through both labour and product supply. DSF has already commenced the process of engagement with local communities and business associations to better understand local capabilities and how those can be leveraged as a part of the Project.

Project Design

The Project will involve the construction, operation and maintenance of a solar PV generation facility, BESS and associated infrastructure with a capacity of 190 MW AC. The actual footprint of the development is approximately 205 ha. The Project area & design will be refined by additional activities including the potential for further detailed investigations, geotechnical studies, detailed topography mapping surveys, soil assessments, planning and design during the EIS preparation.

The Project will likely include:

- A network of PV modules likely to be mounted on single axis trackers;
- a separated (*on Site*) BESS with a maximum anticipated capacity of 190 MW/380MW-hrs;
- a site office and storage areas;
- an access track from Bonshaw Road;
- underground or overhead cabling for connection between arrays, inverters and transformers;
- parking and internal access tracks;
- perimeter security fencing;
- telecommunications infrastructure & connections;
- sensors and cameras for both monitoring and data collection; and
- two grid connection options to the 330 kV TransGrid Transmission Lines that cross the site.

DSF has commenced the grid connection enquiry process with TransGrid to connect to Line 8M on the 330kv Dumaresq to Bulli Creek Transmission Line.

The location within the Site of the Modules, cabling, BESS, substation and switchyard infrastructure is subject to both further detailed design and consultation with TransGrid – both of which will be progressed during the preparation of the EIS. Indicative locations are identified on Figure 3(b).

It is anticipated that the BESS will be installed on the Site to minimise losses. The specific technology, MW rated capacity and MWh of storage for the proposed BESS will be determined during the detailed design stage of the Project. For purposes of this Scoping Report it is detailed as being a maximum of 190 MW/380MW-hrs, but the final size will be determined by both commercial and financial considerations in conjunction with government policy given the current focus on ensuring reliability of renewable energy & grid stability.

The BESS will be located in a secure compound on the Site which will include its own security monitoring technology, cameras and sensors.

Core Project Technology

As a part of the development of the Project a number of critical decisions need to be made in relation to technology of hardware and software that will be adopted. These include in relation to:

1. Solar Modules, the size and characteristics (*including potential for bifacial*);
2. Battery Energy Storage, size, technology (*including potential for hydrogen*); and
3. Optimisation Software (*including for short term solar forecasting*).

A challenge for all developments is the time at which a final decision on technology needs to be made against rapidly changing technology. That technology has resulted in significant cost drops and efficiency lifts in solar modules – and the trend is anticipated to in the near term extend into battery technology as well.

DSF is undertaking research into the rapid developments in technology, and these will be considered with detailed engineering for engagement with TransGrid in addition to the development of the EIS.

Anticipated Capital Investment

Based on the Project's initial design and costs associated with comparable large-scale solar photovoltaics and associated BESS the estimated gross capital expenditure cost of the proposal will be approximately A\$250m to \$270m.

This is an initial estimate only and will be subject to a number of factors including the ability to acquire both PV Modules and BESS on acceptable terms, in combination with the engagement of an experienced EPC contractor. As such the current estimated range may increase or decrease – dependent on final design and technical configuration of the Project.

A more advanced budget will be formulated as a part of the EIS.

Project Lifecycle & Timeframe

As with all projects DSF will have 4 key phases being Planning, Construction, Operation & Decommissioning. Key elements of those phases include:

- Detailed engineering design and technical investigations with TransGrid, in order to deliver a robust & sustainable electricity generator;
- site preparation involving planning & grading of access road, construction of security fencing technology, various earthworks, location of office buildings & storage equipment;
- location and construction of a laydown area for the BESS and associated infrastructure;
- construction of supporting structures, cables, PV modules, substations and switchyard;
- connection to the grid and monitoring system setup;
- commissioning operation, including phase by phase energising of the Project;
- a systematic maintenance programme to ensure highest levels of electricity productivity are maintained across the operational life; and
- decommissioning at the end of the operational life, involving the removal of all above ground infrastructure and returning the site to its existing land capability.

Construction Phase

The Site preparation and Project construction is expected to take approximately 9-12 months once it is commenced. The actual Site design will be advanced as a part of the EIS, and will include considering issues such as:

- Optimal location of the Inverters, Transformers and BESS with reference to the Lines;
- design and layout of the Modules in order to maximise unit collection efficiency across a 365 day cycle; and
- any optimal tracker system that would enhance the energy collection abilities of the Modules.

Construction & installation activities will include the use of light vehicles, water trucks, trenching equipment and potentially pile drivers (*which will be determined following geotechnical work*). It is anticipated that up to 150 individuals will be employed to build the Facility, and DSF will be encouraging local participation of individuals and businesses in order to keep capital in the regional community.

Depending on the advancement of the various approvals required, it is hoped that construction of the Project might commence in H1 2021. The agreement with the landowner is that the DSF will operate

for an initial lease term of 20 years, with options to extend that initial term out to a maximum term of 40 years (*multiple additional options which cumulatively add another 20 years*).

Grid Connection Studies

As the Project is intended to connect to the Dumaresq – Bulli Creek 330kV Transmission Lines, detailed technical studies need to be undertaken in collaboration with TransGrid.

DSF has already obtained a Preliminary Technical Advice from TransGrid on 22 January 2020, and prior to the submission of this Scoping Report has submitted a Connection Enquiry to further advance the technical planning for the Project.

That Connection Enquiry Response is anticipated to be received in March 2020.

Operational Phase

Once the commissioning of the Facility has taken place, the Project will move into an Operational Phase. Noise from the Site across the Operational Phase is anticipated to be minimal.

The Modules at the Site are designed to operate during daylight hours, 7 days a week and 365 days per year, and electricity generated will be both transmitted to the Lines and stored in the onsite BESS. The Facility will be remote monitored and as such no permanent employees will be located at Site. It is anticipated, however, that between 3 and 7 individuals will be employed off site for various routine maintenance functions as well as for emergency situations should they arise. That exact number of employees will be influenced by technology advances and investigations that will be undertaken ahead of the Operational Phase.

Operational activities generally range from low level maintenance to more technical requirements, including:

- Washing / cleaning the solar modules regularly to maintain high levels of electricity output;
- vegetation management including mowing of grasses around the solar modules;
- maintenance of security fencing and associated monitoring equipment; and
- repair or replacement of technical infrastructure as required.

Maintenance activities will also contribute to local noise levels, but these again should be minimal and in line with other rural operational activities that are undertaken in area (*light vehicle movements, low level maintenance activities*).

The permanent operational infrastructure on Site will be minimal, with potential for a small demountable central building, no on-site amenities and a number of shipping containers that will be used as storage units for maintenance equipment and spare parts. Lighting required on the Facility will likely be sensor activated and calibrated to not react to small animals but rather to alert to non authorised entry during nighttime hours. The exact location of these items will be assessed and determined as a part of the EIS.

The Site will be surrounded by a chain mesh security fence which will be approximately 2.5 metres in height and with a secure entrance gate adjacent to Bonshaw Road. Other maintenance gates will likely be designed and included to allow convenient access to the outer perimeter of the Facility at various points. These matters will be considered and determined as a part of the EIS.

Predator Proof Fencing

In order to provide a protective area for indigenous flora & fauna the construction of a small predator proof enclosure is also being considered as a part of the overall Project design.

Such an initiative is a part of Halo's belief in corporate social responsibility towards the environment.

The exact area of such an option needs to be considered as a part of both the EIS and overall project feasibility, but the strategy behind it is to provide endangered species with an area of refuge from foxes, feral cats and rabbits (*amongst others*).

If such an area was constructed it would require a number of access points and would be constructed with some form of basic water resource availability. The suggestion a predator proof area to protect endangered species was put forward by the landowner as a part of overall discussions and is the style of positive initiative that will be explored and considered for inclusion at the Facility.

Decommissioning

The Site will generate electricity for a period of up to 40 years. At the end of this period the infrastructure will be either updated to allow continued operation or alternatively the Site will have all infrastructure removed and the location returned as close as possible to its original condition.

As a part of any definitive decommissioning plan recycling of the solar modules, wiring and other infrastructure will be considered.

Project Justification & Alternatives

Strategic Justification

National

International Paris Agreement on Reducing Greenhouse Gas Emissions

Under the International Paris Agreement (Paris Agreement, 2015), Australia has committed to reducing greenhouse gas emissions by 26 to 28 per cent below 2005 levels by 2030. The Australian Government's Department of Energy and Environment website notes *"Australia is taking a strong, credible and responsible commitment to the Paris climate change conference."*²

To deliver on this commitment, the Australian Renewable Energy Target ("RET") was formed. The proposed project is consistent with the aims of the International Paris Agreement and will assist Australia in reaching this commitment.

Australian Renewable Energy Target

The RET is an Australian Government scheme designed to reduce emissions of greenhouse gases in the electricity sector and encourage the additional generation of electricity from sustainable and renewable sources. It is a part of what has been defined as Australia's "Direct Action" strategy.

As a part of this Direct Action the Australian government is focused on the development of both small-scale renewable energy solutions (*for example in households and businesses*) through to the development of larger scale clean energy projects – including importantly solar PV generators.

As such the DSF project is in line with the Australian Federal Government objectives and strategic ambitions.

State

NSW Renewable Energy Action Plan

In September 2013, the NSW Government released the NSW Renewable Energy Action Plan to guide and co-ordinate NSW's renewable energy development.

The core strategy was to work closely with NSW communities and the renewable energy industry to increase clean energy generation in NSW. Its aim has been to both assist in meeting growing energy demand and improve energy security for NSW in the context of the regulatory framework for the National Electricity Market.

The Completion Report for this flagship initial project was handed down in December 2018, and this demonstrated that the core strategic objectives from 2013 had on the whole been delivered. That report notes at the conclusion of the introductory remarks by the then Minister for Energy & Utilities:

"The completion of the Renewable Energy Action Plan is an important step but the beginning of many. As we move forward, renewable energy has a critical role to play as part of a diverse energy mix that will ensure affordable, reliable energy supply for NSW households & businesses."

² <https://www.environment.gov.au/climate-change/publications/factsheet-australias-2030-climate-change-target>

NSW Climate Change Policy Framework

The NSW Climate Change Policy Framework (*NSW Climate Change Policy Framework, 2016*) aims to maximise the economic, social and environmental wellbeing of NSW in the context of a changing climate and current and emerging international and national policy setting and action to address climate change. The long-term objects are to achieve net-zero emission by 2050 and to ensure NSW is more resilient to a changing climate. The Dumaresq Solar Farm will generate approximately 500 GWh of renewable energy, helping NSW to achieve net-zero emissions.

Local

New England North West Regional Plan 2036

The New England North West Regional Plan 2036³ provides a 20-year strategic plan for the future growth and development of the region.

The Plan identifies the Region's potential to be a leader in renewable energy, specifically solar, stating it is the second highest solar penetration region in NSW. The employment and investment benefits of large solar and wind developments are also acknowledged.

The last point of the Plan under the Inverell LGA "Narrative" notes as a priority to "*identify and promote wind, solar and other renewable energy production opportunities*"⁴.

The DSF proposal is consistent with the Plan and in particular the overriding objective of continuing to develop "*strong infrastructure and transport networks for a connected future.*"

Energy Market

In July 2018, the Australian Energy Market Operator ("AEMO") released the Integrated System Plan (AEMO, 2018) ("ISP"), and this was complimented by the release of the Draft 2020 Integrated System Plan ("2020 Draft Plan") on 12 December 2019⁵.

Despite an anticipated ongoing growth in population the National Energy Market is projected to have energy demand remain flat. This estimate reflects the expectation of continued rotation from de-centralised energy generation to decentralized generation – including the penetration of rooftop solar on houses and businesses, advancing technologies including small scale battery storage and the development of "micro grids" and other generation strategies.

The 2020 Draft Plan also highlights the growing complexity and uncertainty of managing the National Energy Market – in particular given "*technological evolution, policy choices and economic development, to name but a few*"⁶.

Both the 2018 Plan and the 2020 Draft Plan have as a backdrop the gradual reduction in Australia's coal fired power station fleet.

³ <https://www.planning.nsw.gov.au/Plans-for-your-area/Regional-Plans/New-England-North-West>

⁴ <https://www.planning.nsw.gov.au/Plans-for-your-area/Regional-Plans/New-England-North-West/New-England-North-West-Regional-Plan/Local-Government-Narratives>

⁵ https://www.aemo.com.au/-/media/Files/Electricity/NEM/Planning_and_Forecasting/ISP/2019/Draft-2020-Integrated-System-Plan.pdf

⁶ 20 Draft Plan Executive Summary, Section B

In light of such closures, new forms of electricity generation are needed to ensure energy security for Australian households, businesses and governments.

The Dumaresq Solar Farm will benefit the network by introducing substantial electricity to the National Energy Market.

Alternative Sites Considered

Search For A Site

The search for a suitable site to locate a large-scale solar PV and associated BESS project on was commenced in 2017. Many sites, including in the New England region, have been considered and either been found after initial investigation to be unsuitable / marginal or alternatively no agreement could be achieved with the relevant landowner(s).

Factors Considered

In determining the feasibility of the chosen location for the Project many factors have been considered – ranging from the attractiveness of solar resource, through to economic considerations including the feasibility of actually completing a large-scale project such as this in a timely and cost-effective fashion. Also, important factors such as anticipated community and local government support have been factored in.

- Against these “project filters” the Site was identified due to a number of factors meeting these criteria including:
- Potential for direct grid connection into the Dumaresq to Bulli Creek 330kV transmission line which intersects the Site;
- supportive landowners and a commercially acceptable landowner agreement;
- suitable planning context, including minimal clearing of trees due to the existing Site characteristics;
- alternate commercial benefit for the landowner from marginal agricultural land which is currently not being used as a result of the drought conditions
- specific attributes of that land including low bush fire and flooding risk, level topography for effective construction and anticipated low environmental impact (*as a result of initial desktop studies, reports and research*);
- very limited direct impact on neighbours (*noise and visual*) due to the sparse population in this part of the New England region;
- reasonable distance from town centres (approximately 10 km south of Bonshaw and 100 km north of Inverell); and
- access to a regional road network, including direct to Bonshaw Road.

As such it is believed that the Site represents a “high opportunity, low impact” location. The final project design will be settled once the EIS process has been concluded and any currently unknown environmental constraints (*if there are any*) are understood.

“No Project” Alternative

Failing to pursue the Project would result in the loss of numerous opportunities including the loss of:

- A renewable energy generator which both delivers clean energy and allows Australia to progress towards clean energy targets; and
- considerable economic opportunities for the New England Region – including for short term employment and supply of goods and long-term commercial opportunity

As the extensive preliminary investigations have at this stage not identified any specific “high risk” environmental issues, the benefits of developing and operating the Dumaresq Solar Farm are considered to, far outweigh any potential impact.

Dumaresq Solar Farm Planning Considerations

Environmental Planning and Assessment Act 1979

The *Environmental Planning and Assessment Act, 1979* (“EP&A Act”) and its associated regulations provide the framework for assessing environmental planning & impacts for developments and activities in NSW.

The need or otherwise for development consent is set out in a variety of environmental planning instruments – State Environmental Planning Policies (“SEPPs”), Regional Environmental Plans (“REPs”) or Local Environmental Plans (“LEPs”).

Part 4 of the EP&A Act

Part 4 of the EP&A Act provides for the control of development that requires a specific development consent from a consenting authority. Depending on the circumstances of the proposal, the consent authority may be either the Local Council or the Minister for Planning.

Part 4, Division 4.1 of the EP&A Act establishes an approval regime for development that is declared to be State Significant Development by either a state environmental planning policy (“SEPP”) or Ministerial Order. In accordance with Section 4.38 of the EP&A Act, the Minister for Planning is the consent authority for State Significant Development.

As detailed in Clause 8 of Section 4.12 of the EP&A Act, an EIS is required to support a development application for State Significant Development.

Approval process

A State Significant Development to which Division 4.7 of the EP&A Act applies is identified in the State and Regional Development SEPP and in declarations made by the Minister for Planning.

Dumaresq Solar Farm is considered to be ‘State Significant Development’ as it is of a project of the type listed in Schedule 1, Item 20 of the State and Regional Development SEPP as it is “electricity generating works” and has a capital investment value of more than A\$30 million, as detailed in clause (a) of Item 20⁷.

The NSW Minister for Planning is the consent authority for the proposal and a development application is required to be lodged with the NSW Department of Planning and Environment, accompanied by an EIS.

Before proceeding to prepare the EIS, all applicants must request SEARs. The request for SEARs is accompanied by a Scoping Report (*this document*) which outlines the location, nature and scale of the proposed project, as well as outlining the preliminary assessment of environmental issues so as to identify key issues that require detailed investigation and reporting as a part of the EIS.

Once that application for SEARs has been submitted the Department of Planning and Environment consults with relevant public authorities & other stakeholders to obtain input prior to the issuing of SEARs.

⁷ <https://www.legislation.nsw.gov.au/#/view/EPI/2011/511/sch1>

The Department then issues SEARs. An EIS is then prepared to address the SEARs and the form and content requirements set out in Schedule 2 of the Environmental Assessment & Planning Regulation, 2000.

The completed EIS (*including supporting specialist & technical reports*) is then submitted to the Department for review before it is publicly exhibited for at least 30 days.

During the exhibition period, both the public and various agencies are invited to make submissions and comments. After the exhibition period closes, the Department may request that the proponent respond to issues & concerns raised in the submissions – or to clarify matters that requires additional information.

Other State Environmental Planning Policies

The EIS would include review of all other potentially applicable State Environmental Planning Policies.

Local environmental plan

The Project Area is zoned as RU1 Primary Production under the Inverell LEP.

At this stage subdivision provisions under the Inverell LEP are not considered relevant to the Project as the entire land area of the Lot on which the Site is to be constructed is subject to an option to lease.

Other NSW legislation

Legislation to be applied consistently

Under Section 4.42 of the EP&A Act, the following authorisations cannot be refused if they are necessary for the carrying out of a State Significant Development that is authorised by development consent, and are to be substantially consistent with the consent:

- *Fisheries Management Act 1994* – aquaculture permit under Section 144
- *Mine Subsidence Compensation Act 1961* – approval under Section 15
- *Mining Act 1992* – a mining lease under this act
- *Petroleum (Onshore) Act 1991* – a production lease under Division 5 of Part 3
- *Protection of the Environment Operations Act 1997* – an EPL under Chapter 3 of the Act
- *Roads Act 1993* – a permit under Section 138 to impact on public roads
- *Pipelines Act 1967* – a licence under Section 11 to construct and/or operate a pipeline.

Not all of these acts are relevant to the Dumaresq Solar Farm development, and where they appear relevant after initial investigations and searches they are discussed below. As a part of the EIS process, and for completeness, the relevance of these matters will be also investigated.

Roads Act 1993

The Roads Act, 1993 is administered by the NSW Roads and Maritime Services, local councils or the Department of Industry - Land.

Roads and Maritime Services has jurisdiction for classified roads, local councils for non-classified roads and the Department of Industry - Land for road reserves or Crown roads.

Under Section 138 of the *Roads Act 1993*, a person must not impact or carry out work on the “road reserve” otherwise than with the consent of the appropriate Roads authority.

It is not anticipated that the Project requires any works to be carried out within the Bonshaw Road, Road reserve and so consent is likely not required. As a part of the EIS process consultation with

Inverell Shire Council will be carried out – including on general traffic management and roadway issues.

Protection of the Environment Operations Act 1997

The Protection of the Environment Operations Act, 1997 (“POEO Act”) establishes, amongst other things, the procedures for issuing of licences for environmental protection on aspects such as waste, air, water and noise pollution control. The owner or occupier of premises engaged in scheduled activities is required to hold an environment protection licence (“EPL”) and to comply at all times with the conditions of that licence.

Schedule 1 of the POEO Act outlines the activities which are considered to be scheduled activities to which an EPL is required to be obtained. Electricity generating works (Clause 17 of Schedule 1) with the capacity to generate over 30 Megawatts are identified in Schedule 1 as requiring an EPL.

In sub clause 17(1) of Schedule, however, wind and solar power are specifically excluded from the definition of “general electricity works”. As Dumaresq Solar Farm will only be generating electricity from solar energy, it is not anticipated that an EPL will be required to pursue the Project.

Approvals that do not apply

Section 4.41 of the EP&A Act specifies certain authorisations which are not required for State Significant Development that has been authorised under a development consent.

These include the following authorisations, certain of which might otherwise have been relevant to this Project:

- NSW Coastal Protection Act 1979 – not relevant due to Site location
- NSW Fisheries Management Act 1994 – permit for work or structures within a waterway
- NSW Heritage Act 1977 – approval to disturb an item or an excavation permit
- NSW National Parks and Wildlife Act 1974 – an Aboriginal heritage impact permit under Section 90
- NSW Rural Fires Act 1997 – a bush fire safety authority under Section 100B
- NSW Water Management Act 2000 – water use approval, water management work approval or activity approval.

Other relevant legislation

Biodiversity Conservation Act 2016

The *New South Wales Biodiversity Conservation Act, 2016* (“BC Act”) came into effect on 25 August 2017 and repealed the *Threatened Species Conservation Act 1995* (“TSC Act”).

The BC Act established the Biodiversity Offsets Scheme (“BOS”), which provides a number of tools to assist developers and landowners to avoid, minimise and offset potential impacts on biodiversity which might result from commercial activity (*including agricultural*).

An area threshold or assessment of significance is used to determine when the BOS will apply to local developments. If the area threshold is met or a significant impact is likely, the BOS is applied and impacts, and offsets must be assessed in accordance with the Biodiversity Assessment Method (“BAM”).

The potential impact to threatened species, populations and ecological communities is discussed further in this Scoping Report and will be investigated in detail as a part of the EIS.

DSF will also take a proactive approach to biodiversity with the potential establishment of discrete predator proof areas within the Site that might be used to develop endangered flora & fauna.

Crown Lands Act 1989

A Crown Lands approval would potentially be required for any works located on Crown Land, but as the Site is located on a private landholding this Act should not apply.

One area of inquiry, however, that will need to be considered in the EIS relates to the Travelling Stock Reserve (“TSR”) that borders the Site (**Attachment 23**). No work is anticipated to be required to be conducted on that TSR, but issues including traffic movement and ecological impact for this area will need to be considered.

Transgrid currently access the Lines by gates which are located on the TSR boundary with the landowners property.

Commonwealth legislation

Environment Protection and Biodiversity Conservation Act 1999

The *Environment Protection and Biodiversity Conservation Act, 1999* (“EPBC Act”) is administered by the Commonwealth Department of the Environment and Energy (“DoEE”).

Under the EPBC Act, if the Minister determines that an action is a ‘controlled action’ which would have or is likely to have a significant impact on a Matter of National Environmental Significance (“MNES”) or Commonwealth land, then the action may not be undertaken without prior approval of the Minister.

The EPBC Act specifically identifies the following eight MNES:

- World Heritage properties;
- National heritage places;
- Ramsar wetlands of international significance;
- threatened species and ecological communities;
- migratory species;
- Commonwealth marine areas;
- the Great Barrier Reef Marine Park;
- nuclear actions (including uranium mining) and
- a water resource, in relation to coal seam gas development and large coal mining development.

When a party proposes to take an action, which may be a ‘controlled action’ under the EPBC Act, they must refer the proposal to the DoEE for a determination on that action.

A search of the *Commonwealth Protected Matters Search Tool* indicates that there are no World Heritage or National Heritage places that are located on the Site.

Search results listed three Wetlands of International Importance that are either known to occur or have potential to occur in the area, however these are located more than 1,000 kilometres from the Site and are therefore not considered to be impacted by the Project.

Despite the Site currently having sparse vegetation and tree coverage, initial desk top research suggests a potential referral may be required if certain threatened vegetations and species are in fact found within the Site area. The presence of endangered flora & fauna will be studied in detail as a part of field work that will be undertaken as a part of the EIS. If such endangered species are

discovered and are not able to be designed around as a part of the planning process, there will be referral to the DoEE for discussion and determination.

Native Title Act 1993

Native title is the recognition by Australian law that Indigenous people had a system of law and ownership of their lands before European settlement. Where that traditional connection to land and waters has been maintained and where government acts have not removed those rights of connection, the potential for a granting of native title exists.

Importantly the registration of freehold land entitlements prima facie extinguishes any rights to a Native Title Claim being raised.

Searches that have been conducted as a part of the preparation of this Scoping Report are as follows:

- Native Title Register (Inverell Shire Council) (**Attachment 2**)
- Native Title Register (Tenterfield Shire Council) (**Attachment 3**)
- Aboriginal Places & NSW State Heritage Register (**Attachment 4**)
- Register of Native Title Claims (**Attachment 5**)
- Extract – Gomeroi People Claim (NC2001/006) – External Boundary Description (**Attachment 6**)

The landowner's property may in fact fall just inside the boundary of the Gomeroi People Claim, but in discussion with the landowner no contact has ever been made on the issue. The property on which DSF is proposed to be constructed is held Freehold.

Preliminary Impact Identification & Assessment

Rationale For Approach

As a part of the overall Project Feasibility a combination of activities were undertaken including desktop searches of various databases, discussions and research in community (*including with the key landowner*), preliminary meetings with various relevant authorities and other research undertakings.

This preliminary activity has been important in understanding the viability of the Project, and the level of investigations that will need to be undertaken in formulating and submitting an EIS.

Preliminary Key Issue Investigations

As a part of the preparation of this Scoping Report DSF has undertaken extensive desktop analysis, searches of relevant databases and preliminary discussions with key stakeholder organisations & individuals.

Whilst significant work is required to progress the EIS (*and the project as a whole*), preliminary assessment reinforces the attractiveness of this specific location for a large-scale solar PV generator and associated infrastructure.

Biodiversity

Biodiversity Searches Undertaken

As a part of the preparation of this Scoping Report the following desktop studies and searches have been undertaken:

- EBPC Protected Matters Search (**Attachment 7**)
- NSW Wildlife Atlas Online Database Search (**Attachment 8**)
- NSW Vegetation Information System Search – VS ID 3794 (**Attachment 9**)
- Darling Endangered Ecological Community – Fisheries Management Act 1994 (**Attachment 10**)

Desktop Findings

These searches detail that there are a number of endangered flora and fauna species that occur within the LGA search area, and additionally there are wetlands identified and the Dumaresq River noted (*which is over 5km in a straight line from the Site*).

The EBPC Protected Matters Search provides an overview of species that range from “vulnerable” through to “critically endangered”. In that later high-risk category of “critically endangered” are listed:

1. 3 ecological communities; and
2. 3 species of bird life; and
3. 1 species of frog; and
4. 2 species of plant; and
5. 1 species of reptile.

In terms of birdlife the general Inverell region is detailed in the EPBC Protected Matters Search to be home to critically endangered species of:

- Regent Honeyeater (*Anthochaera Phrygia*)

- Curlew Sandpiper (*Calidris Ferruginea*)
- Swift Parrot (*Lathamus Discolor*)

Conclusion & Assessment

As a part of the preparation of the EIS detailed biodiversity studies will need to be prepared, including detailed field activities. These will form a key input into any design or project modifications that are required to mitigate environmental impact from the construction of the solar farm project on the Site.

Although the Site has been subject to agricultural enterprise for decades, areas including Log Creek, the TSR on the Site boundary and large dead trees (*often used for nesting by various bird species*) need to be investigated in order to facilitate detailed biodiversity mapping and overall project planning.

Groundwater, Erosion & Air Quality

The Site on which the Project will be constructed is approximately 205 ha, and whilst of reasonably flat topography the potential for run-off water needs to be investigated – in particular how this will potentially lead to erosion at any low points of the Site.

Additionally, the increase of dust as a result of construction (*including grader activity in preparing the site*) needs to be considered – including strategies to mitigate any dust occurrence that is greater than that which is experienced in this rural setting generally.

Further Investigation

These matters will be assessed during the EIS preparation and both construction and operational management plans prepared if required.

Heritage

The following searches have been conducted as a part of the preparation of this Scoping Report in order to understand the potential of Heritage issues impacting the Site and the Project:

- Australian Heritage Database (**Attachment 11**)
- Inverell Shire Council LEP 2012, Environmental Heritage (**Attachment 12**)

No Heritage issues have been identified through desktop studies and searches, and this position will be confirmed as a part of the EIS preparation, including through field studies of the TSR (*confirming no undiscovered important finds – including of Aboriginal Heritage*).

Visual Impact

Regional Site Location & Existing Electricity Infrastructure

The Site is located within a rural area which has traditionally seen various grazing & cropping agricultural operations. Significant electrical transmission infrastructure has been on the Site since its commissioning in 2001, being TransGrid's 330kv AC Dumaresq to Bulli Creek Interconnector ("Line"). The metal towers from this large-scale transmission infrastructure extend approximately 60m skywards and traverse the Site – including at one point where the cables span Bonshaw Road. This infrastructure's appearance is evident from distance.

As such the general region of the proposed Site, including regional landowners, have been used to the appearance of electrical infrastructure for over 17 years.

The closest neighbouring residences to the Site are “Eloura” & “Pine Alp” each of which is estimated to be over 2km in distance from the Site, and not in direct line of sight to the land on which the Project will be constructed. As such no homestead, including that of the landowners themselves, will have a direct view of the solar PV modules and associated infrastructure. The location of homesteads is highlighted in Figure 3(b).

Despite the isolation of the Site a comprehensive assessment of any potential visual impact on the near region to the proposed solar farm will be completed.

Preliminary assessment and various desktop studies already undertaken as a part of the preparation of this Scoping Report highlight the following:

- the Site does not interfere or is adjacent to any airport or aircraft landing strip, reducing the relevance of glare impact upon any such vital transport corridors;
- the Site is not in direct visibility of neighbouring residences, again reducing the relevance of direct glare impact from solar panels during daylight hours;
- the topology of the Site is such that the potential impact on vistas/views over the underlying property is of low relevance. There are currently no vantage points or near high ground which provide vistas over the Site; and
- large scale electrical infrastructure has been established on the Site for in excess of 17 years

One area that will require consideration and planning is the impact that the Site will have on the adjoining Bonshaw Road. Areas of the Site will be visible from the roadway and as such as a part of any EIS consideration will need to be given to a number of factors including:

- drought tolerant perimeter planting to minimize visual impact; and
- any form of solar glare or solar reflection

Such planning will be undertaken with the assistance of a landscape expert who will produce a draft plan which will form a part of the EIS. It is noted, however, that the Site’s topography is a combination of flat areas and gentle hills. This provides a natural benefit to any solar farm development, as those gentle undulations will shield much of the Site from Bonshaw Road.

Visual impact might also include night-time lighting required to provide security and visibility on Site (*although this will be likely sensor based thereby minimising its impact*). The final Project design will consider the latest then available technology to minimise the impact of night lighting and this may include where commercially acceptable the adaptation of infrared security cameras and associated sensor technologies.

Visual Impact During Construction

In addition to visual impact during the ongoing operational period, there is also potential for short term visual impact during the construction phase. This will include from:

1. movement of large vehicles onto and from Site;
2. construction infrastructure on site, including portable building structures, laydown yards, heavy equipment, vehicle carparks and the like; and
3. the performance of various civil works, including the construction of internal access roads

The EIS will consider these issues and specifically strategies that can be applied to minimise both visual impact and the generation of dust (*dust suppression strategies*).

Noise

Regional Site Location & Existing Noise From Electrical Infrastructure

Current noise levels for the general area would reasonably be regarded as low and typical of a regional rural setting in NSW comprising of wildlife noises, intermittent farm machinery and traffic driving along Bonshaw Road.

Within the Site itself there are additional noise levels that stem from the Lines. The landowner does report intermittent “humming” and “woosh” styled noises from the Line which likely coincide with power oscillation through transmission infrastructure.

As such the Site has had low level transmission infrastructure related noise for over 17 years.

It is not expected that any neighbouring residence will be impacted by noise during the Project’s lifespan of operation.

Noise Levels Across Solar Farm Lifecycle

The assessment of noise in relation to the Site will be undertaken in considering three separate phases of the solar farm’s lifecycle. Those separate phases are:

1. the pre-construction planning phase
2. the construction phase
3. the operational phase

Pre-Construction Phase

During the pre-construction phase there may be low level noise associated with test geotechnical drilling on site, field work for completion of various studies of the EIS and associated movement of light vehicles. Such noise will be transitory in nature and is not anticipated to be of any significance.

Construction Phase

The most significant of these three phases will be the construction phase, with the most likely contributor to noise levels being the movement of contractor vehicles to and from Site and the operation of various mobile plant & equipment which is likely to include:

- Movement of equipment to and from site by way of road transport;
- piledrivers;
- trenching machinery and equipment;
- stand-alone diesel-powered generators; and
- mobile cranes and specialist equipment associated with the installation of Battery technology.

If the decision is made to construct the solar farm by piledriving then any noise will be restricted to approved construction hours.

With the potential for other solar farm developments in the region, any draft noise management plan may need to consider the cumulative noise impacts of developments taking place in parallel.

Operational Phase

Noise levels may also be relevant during the operational phase of the Facility from sounds:

1. being omitted from various pieces of electrical infrastructure and battery energy storage system technology; or

2. from the gradual movement of a single axis tracking technology if it is selected for the Project.

Even with a tracking technology the movements are slow and quiet in nature. Such technology has been used both in Australia and internationally for extended periods of time. One of the benefits of PV facility technology is that it operates quietly and autonomously for long periods of time.

Noise Conclusion & Next Steps

Although the Site presents many positive attributes for a solar farm development, a detailed understanding of noise impact (*including for residential receivers*), and potential strategies to ensure mitigation of any noise levels, will be completed as a part of the EIS investigations.

Traffic

Existing Infrastructure Near Site

The Site is located off Bonshaw Road, a significant sealed roadway for the Inverell regional area. The Site itself will be accessed via an unsealed internal private access route. There is an existing gate which will likely need to be upgraded in order to allow larger vehicles to access the Site.

It is not envisaged that any road other than Bonshaw Road will be used to access the Site.

Travelling Stock Reserve

Travelling Stock Reserves (“TSRs”) are parcels of Crown Land that are reserved by legislation for use by travelling stock. The Bonshaw & Ashford Region in general falls into the Eastern Division. Access to any such Reserve for the movement of stock requires a permit from NSW Local Land Services.

Any TSR can have Heritage relevance in a number of ways – including both the preservation of threatened ecological communities and species and also significance for Aboriginal Heritage.

Adjoining the Site is a TSR named “Phifers”, which includes the “Phifer’s Holding Paddock” (**Attachment 23**). Traffic Management and Biodiversity Investigations will need to be advanced in relation to this specific TSR as a part of the EIS process via field work.

Impact of Development

Any EIS will also consider in detail both internal access road construction and onsite arrangements for both construction phase and subsequent operational phase onsite parking and servicing, against a series of factors including the potential for soil erosion as a result of any potential change to run off resultant from the construction of unsealed access roads.

It will also need to consider cumulative impact of DSF construction in parallel with potential construction of other renewable energy projects across the New England region.

Detailed Traffic Management & Safety Planning

Other areas in relation to traffic management that will need to be considered include:

- A comprehensive map of primary haulage routes to the Site, highlighting and discussing any locations that present specific issues that will need to be considered in isolation. This will need to consider alternate routes of primary access – including the Bruxner Highway through Bonshaw to the north of Site and via Ashford to the south of the Site.
- Understanding any potential impact of glare from the solar farm, and whether that will create issues for vehicles travelling on Bonshaw Road at any specific times of day throughout the

year. If impact from glare is possible then the approach to potential vegetation screening would need to be considered, including volume of plantings, growth rates of plantings and any specific requirements for ongoing vegetation management as a result.

- The safety of those proposed haulage routes, including where available crash / safety data for routes and sight distance measurements at key intersections.
- Understanding the impact on potentially increased traffic movements resulting from both oversized vehicles and construction worker transportation moving to and from site from the period of preparation/mobilisation until the completion of construction
- A logistics/project management framework demonstrating a traffic minimisation strategy to reduce where possible general traffic movements to & from Site from to be determined accommodation areas.
- Understanding of any impact to the proximate TSR through increased traffic movements onto and off of the Site.

In order to conduct this type of analysis and assessment close collaboration with Inverell Council, landowners and relevant Road authorities will be conducted. In parallel with this activity a Rules of Engagement Framework will need to be developed which will additionally consider site specific operational matters including:

1. Any standardized induction process for vehicle operators and other relevant staff covering traffic movements. These will need to have additional requirements to monitor and provide allowance for the TSR;
2. regular toolbox meetings to brief vehicle operators on developments with the Project and how those impact any alternations to the Rules of Engagement;
3. approaches to handling complaints and complaint resolution. Rules of Engagement will require accurate documentation and reporting of any incident, for example;
4. relevance of community consultation on issues including traffic movements, and requirement to engage constructively with community members; and
5. disciplinary processes for workers failing to adhere to the Rules of Engagement.

It is noted, however, that the Project does not involve any construction work or activities directly impacting the physical structure of any public road. As such approval from any road authority will not be sought for the internal Site construction works.

Finally, no airport is located within a 50km radius of the Project and so the likely requirement for extensive consultation with the Civil Aviation Authority is low.

Indicative Transport Routes

At this stage it is anticipated that the solar panels and key electrical equipment will be moved to site from either the Port of Newcastle (*likely by New England Highway*) or the Port of Brisbane (*likely by Bruxner Highway*). At time of preparation of this Scoping Report parts of the NSW road network from Newcastle to Site continue to be impacted by recent bushfire activity – and as such any definitive decision will need to be made closer to the point of construction and in consultation with both transport logistics providers and the EPC.

Bonshaw Road will be the last roadway used to reach Site.

Consideration of cumulative impact of traffic movements given other potential renewable energy projects in region (*including the Bonshaw Solar Farm*) will need to be considered as a part of the EIS.

Aboriginal Heritage & Native Title

As a part of the preparation of this Scoping Report the following desktop searches have been undertaken:

- AHIMS Basic Search (**Attachment 13**)
- AHIMS Extensive Search (**Attachment 14**)
- National Parks & Wildlife Act 1974 No. 80 – Schedule 15, Lands of cultural significance to Aboriginal persons Search (**Attachment 17**)

One of the benefits of this Site is that the Dumaresq to Bulli Creek Transmission Lines were planned for in the period around 1999. Attached are two reports from that then National Parks and Wildlife Service which conducted a heritage site inspection as a part of the feasibility of the construction of that Interconnector.

Attachment 15 (*National Parks Standard Site Recording Form 0034*) notes the finding of a small stone artefact which was stated as having “*low scientific significance*”.

Attachment 16 (*National Parks Standard Site Recording Form 0043*) notes the finding of a small stone artefact which was also stated as having “*low scientific significance*”.

Both of these artefacts are also described in those reports as being “isolated” examples, and are identified on Figure 3(b).

The Site has been used for extensive cropping and grazing activities for decades, and as such the potential for new finds is believed to be low due to the high level of disturbance of the land.

Notification & Consultation

DSF has commenced the process of community engagement specifically with regional aboriginal leadership via the distribution of an initial Project Newsletter in December 2019. That Newsletter is also published on the Project website – as will future editions be.

The landowner has close personal relationships with a number of local aboriginal leaders. As a part of the overall engagement strategy DSF will undertake dialogue and consultation with the local aboriginal community in addition to commissioning an Aboriginal Heritage Assessment by a suitably qualified professional in accordance with the Guide to Investigating Assessing and Reporting on Aboriginal Cultural Heritage in NSW (*DECCW 2010 Published*).

Socio-Economic Impact

DSF has undertaken preliminary discussion and research in area to ensure an efficient and productive engagement framework with community can be designed and delivered. These preliminary discussions have included an initial face to face meeting with leadership of the Inverell Shire Council, and various follow ups (*phone and email*) with other Council professionals.

These initial discussions, including fielding constructive feedback, have been valuable in the preparation of this Scoping Report.

The Developer’s objective is to balance the commercial requirements of ultimately delivering a cost-effective project with the promotion of opportunities for local businesses and individuals. To this end all opportunities for commercial engagement will be highlighted within the local community, in addition to Project and open tender websites.

Once constructed the solar farm will continue to deliver opportunities for regional commercial involvement at a number of levels. The Developer has already commenced strategic planning and discussion with local landowners and other potential stakeholders on assistance with crucial services for the solar farm including vegetation management and solar panel cleaning.

As such it is believed that the development of this large-scale solar farm will bring both short-term and long-term benefits to the Inverell community.

Consultation

Ongoing consultation will take place with both local government and the regional community to ensure concerns and suggestions are brought forward and included in the EIS.

Waterways & Wetlands

There are no significant waterways within or immediately adjacent to the Site. There is a small creek, titled "Log Creek", located at the lower boundary of the proposed Site, which the landowner reports has not flowed for a number of years.

There are no current man-made or natural dams present, nor irrigation canals or large-scale irrigation piping networks on the Site.

Additionally:

- the nearest waterway is the Dumaresq River which is located approximately 5 kms to the north; and
- a search of the Department of Primary Industries (Office of Water) water monitoring network found no groundwater bores near the Proposed Site (*Border Rivers Basin. Basin Number 416 Map. NSW Government. March 2011 Publication*)⁸. Included as **Attachment 18**.

Water Planning & Log Creek Investigation

Field work will need to be conducted as a part of the EIS to confirm no sensitive flora or fauna on the Site, but particularly around the Log Creek area. Although this is not directly on Site the ecosystem of Log Creek needs to be understood.

The EIS will also need to consider the potential for any soil erosion or sediment movement as a direct impact from the solar farm development.

Bushfires & Floods

The Site is largely cleared of all vegetation, with a few paddock trees (*including many dead*) occurring in isolation at intervals. The NSW RFS Bushfire Prone Land Search is included as **Attachment 19**.

The Site is not identified as a Flood Plan risk. The Inverell Shire Council Flood Plain Search is included as **Attachment 20**. Therefore the potential for flooding impacts is minimal.

8

https://www.industry.nsw.gov.au/_data/assets/pdf_file/0003/284061/40_3divIV_16_BorderRivers_March2011.PDF

Proposed Consultation

The NSW Rural Fire Service and other relevant stakeholders will be consulted during the EIS investigations to determine if there are any matters that need to be specifically considered as a part of the design, construction and ongoing operation of the Dumaresq Solar Farm.

Mining Operations

No current or prospective mining leases, exploration licenses or operations appear to cover the Site. A search from the NSW Department of Resources & Geosciences is included as **Attachment 21**. The landowner has also reported no inquiry in relation to prospective mining operations.

At this stage no additional work is considered necessary in relation to this issue.

Contaminated Lands

A Register of Contaminated Lands Search for NSW has been conducted and is included as **Attachment 22**. The Site does not appear on this register, and that would appear consistent with the land's use for agricultural purposes.

It is not envisaged at this stage that any additional work in relation to potential contaminated land will be required.

Consultation Process

Consultation & Notification Activity Undertaken To Date

Preliminary consultation and / or face to face meetings have been undertaken with the following as part of the development of the proposal:

- The landowners of Lot 24, DP 750061 who have been consulted with extensively on a variety of matters relating to Project feasibility;
- Various senior members of Inverell Shire Council leadership and planning divisions;
- Senior professionals within the NSW Government Department of Planning & Environment;
- Senior professionals within TransGrid as a part of the Preliminary Technical Advice that was received on 22 January 2020; and
- Specialist electrical engineering firms with knowledge of the transmission lines & infrastructure around the Bonshaw and Dumaresq areas.

In consultation with the landowners, initial contact was also made (*out of courtesy*) by the landowner with the 3 nearest neighbours on 30th November 2019. This was to discuss the concept of the project and to field initial feedback. No immediate issues arose from those discussions.

Across 22 & 23 December 2019 the closest 15 homesteads to the Site received the initial letterbox drop in relation to the Project.

The closest homestead to Site are “Pine Alp” & “Eloura” which are each in excess of 2 kms direct distance each, and neither of which has line of site to the Project due to local topography (*hillsides*). Additionally, the landowner’s own house does not have line of site to the Site. These homesteads, along with others, are identified on Figure 3(b)

These activities have been invaluable in both shaping aspects of this Scoping Report and planning for overall Project advancement.

Other activities that have taken place at the investigative stages of the Project include:

- Establishment of the core project website: www.dumaresqsolarfarm.com in October 2019 and a dedicated community email contact point : community@dumaresqsolarfarm.com
- Connection of a dedicated mobile phone number for this and other Halo energy projects being: 0498 115 054
- Various social media accounts to allow the timely distribution of information and also sharing of images and other news as the Project develops
 - Twitter: www.twitter.com/dumaresqsolar
 - Instagram : www.instagram.com/dumaresqsolar
- The distribution of the first Project Newsletter to landowners within a (*estimated*) 10 km radius of the Project.

Ongoing Consultation Activities

A Community Consultation & Engagement Plan (“CCEP”) is in the process of being finalised to provide a detailed and disciplined framework for informing the local community of the Project. The aim of the CCEP is to ensure there is effective ongoing liaison with relevant stakeholders and to those provide stakeholders with opportunities to voice their concern and feedback in relation to the Project.

The CCEP will be an evolving strategic document that will be used to steer the process of communication to ensure that community members are fully aware of the development timetable, the scope of the Project and also importantly opportunities for commercial and social engagement with DSF.

The key stakeholders identified for the Project include those detailed below:

- Government agency stakeholders ranging from the Inverell Shire Council through to NSW Government departments;
- The network owner & operator - TransGrid;
- Local landowners, including those that are closest to the Site
- The Commonwealth Government given the presence of a TSR;
- Local business groups, including the Inverell Chamber of Commerce; and
- Interest and community groups including importantly the local Aboriginal Land Council and Traditional Owners.

The process will combine best practice approaches to consultation combined with bespoke adjustments to the process where specific issues or concerns require consideration and adaptation.

An important element in the overall consultation process will be periodic “town hall” style meetings to allow local community to engage face to face with the Developer and understand specific questions that they might have.

Potential For Cumulative Impact

DSF is a large scale project which will have an extended construction period. As such there is potential for cumulative impacts to arise both in the Inverell Shire Council Region and across the wider New England Region. The primary area of potential cumulative impact is likely additional traffic generation across local road networks.

As a part of the preparation of this Scoping Report the NSW Major Projects Register has been reviewed in February 2020. A proposed project that is relevant for consideration as a part of the EIS is the Bonshaw Solar Farm. That project is being developed by GAIA Australia Pty Limited and is proposed as a 200 MW development. This project is progressing through its approval steps, with the EIS having been exhibited and the current status being “Response to Submissions”.

Given the location of DSF issues such as construction noise (*cumulative impact*) are not anticipated to be relevant.

As a part of the continual engagement with Inverell Shire Council, Government and community DSF will monitor the progress of existing and potential projects in the local area – including across the New England Region.

Detail on potential cumulative impacts will be provided for in the EIS.

Scoping Report Conclusion

The Dumaresq Solar Farm is a large-scale solar PV project to be located in the Inverell Shire Local Government Area in northern NSW.

The Project is a 190 MW AC solar farm with accompanying absolute maximum 190MW/380MW-hrs BESS. The Facility is intended to connect to the national electricity grid via 330kV Transmission Lines that are owned & operated by TransGrid and have been located on the Site for over 17 years. Technical investigation is progressing specifically in relation to Line 8M.

DSF's capital investment is likely to be in the order of A\$250 million to A\$270 million (*dependent in large part due to final BESS configuration*), and it is therefore classified as a "State Significant Development" under Part 4 of the EP & A Act. A detailed Environmental Impact Statement therefore needs to be prepared and submitted to the Department of Environment & Planning for approval.

That EIS has to be prepared in accordance with the SEARs that is to be issued by the DEP.

The Project is still subject to technical and engineering development which will be progressed as a part of the EIS process in conjunction with detailed community consultation.

This Scoping Report has investigated numerous areas of relevance for the development of such a large-scale Project, and it is the Developer's belief that the property on which the Project is to be based presents a number of positive characteristics.

Preliminary Scope of the EIS

On the receipt of SEARs the EIS will be prepared and then publicly exhibited, in accordance with the requirements of Part 4.1 of the EPAA.

It is anticipated that this EIS will contain details on the overall Project including:

- A detailed description of the Project, including technical overview of design and components (*including BESS*);
- a confirmation of the strategic importance of the Project, including a clear statement on objectives that are sought to be achieved;
- an overview of the strategic importance of the Project in contributing to both Australian Commonwealth and State goals on renewable energy and emissions targets;
- an overview of the analysis that was undertaken in arriving at the decision relating to the suitability of the Site to house the Project;
- an overview of the key issues that will need to be addressed in the EIS;
- a statement on the outcomes that the Developer anticipated delivering against each of those key issues; and
- an assessment of the cumulative impact that the development of the Project might have when other similar renewable energy projects in region are considered.

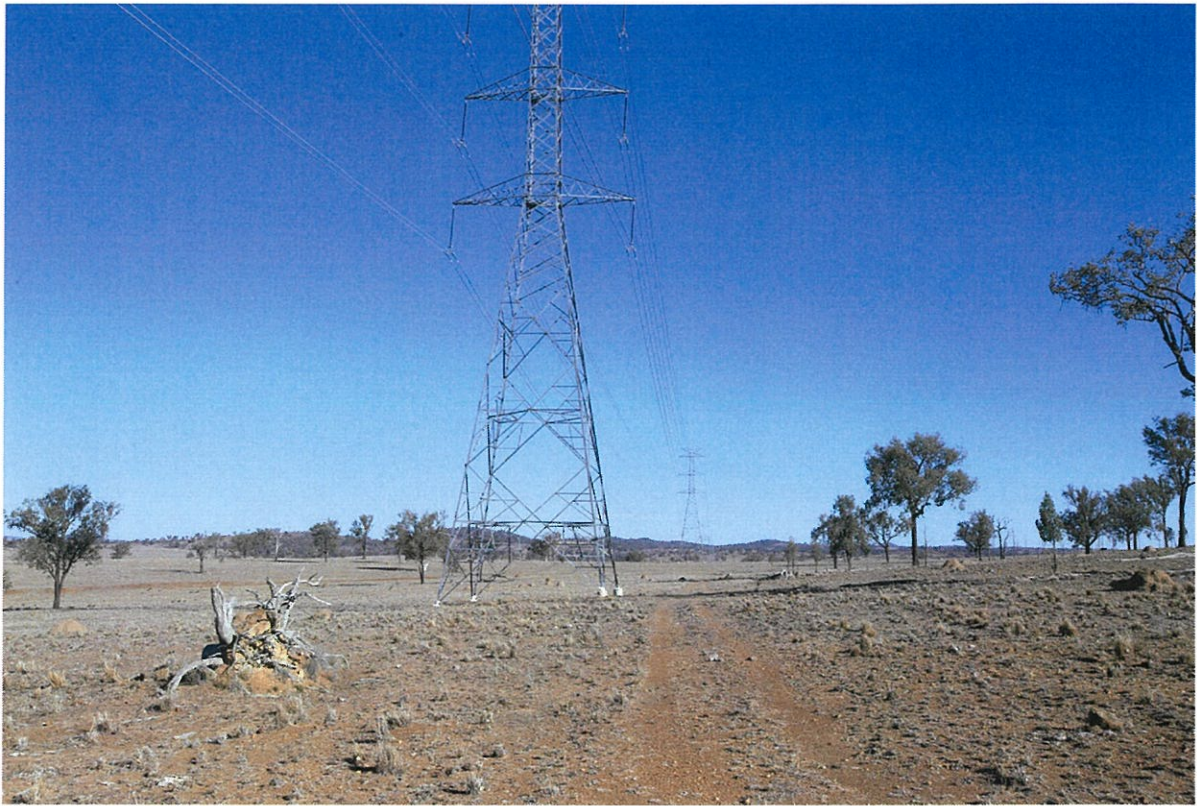
The final scope of the EIS will be dictated by the scope and requirement of the SEARs.

Supporting Attachments to Scoping Report

Attachment 1	Photos of Site and Land
Attachment 2	Search of Native Title Register (Inverell Shire Council)
Attachment 3	Search of Native Title Register (Tenterfield Shire Council)
Attachment 4	Aboriginal Places & NSW State Heritage Register – Search Report
Attachment 5	Register of Native Title Claims – Search Report
Attachment 6	Extract – Gomeroi People Claim (NC2011/006) – External Boundary Description
Attachment 7	EPBC Protected Matters Search
Attachment 8	NSW Wildlife Atlas Online Database Search
Attachment 9	NSW Vegetation Information System Search – VS ID 3794
Attachment 10	Darling Endangered Ecological Community – Fisheries Management Act 1994
Attachment 11	Search of Australian Heritage Database
Attachment 12	Inverell Shire Council LEP 2012, Schedule 5, Environmental Heritage
Attachment 13	AHIMS Basic Search
Attachment 14	AHIMS Extensive Search
Attachment 15	National Parks Standard Site Recording Form 0034
Attachment 16	National Parks Standard Site Recording Form 0043
Attachment 17	National Parks & Wildlife Act 1974 NO. 80 – Schedule 14, Lands of cultural significance to Aboriginal persons
Attachment 18	NSW Government Map – Border Rivers Basin No. 416 - Gauging Stations
Attachment 19	NSW RFS Bushfire Prone Land Search
Attachment 20	Inverell Shire Council Flood Plain Search
Attachment 21	Conveyancing Search: NSW Resources & Geosciences
Attachment 22	Register of Contaminated Land Search
Attachment 23	Travelling Stock Reserve Map for “Phifers” & “Phifer’s Holding Paddock”

ATTACHMENT 1







Search National Native Title Register

The National Native Title Register (NNTR) is a register established under s. 192 of the *Native Title Act 1993* (Cth).

The NNTR contains determinations of native title made by:

- the High Court of Australia
- the Federal Court of Australia
- or a recognised body such as South Australia's Supreme Court and Environment Resources and Development Court.

Further information about the NNTR is available.

Tribunal file no.	<input type="text"/>	Federal Court file no.	<input type="text"/>	Short name
Case name	<input type="text"/>	State or Territory	<input type="text" value="New South Wales"/>	Registered Native Title Body Corporate*
Representative A/TSI body area	<input type="text"/>	Local government area	<input type="text" value="Inverell Shire Council"/>	Determination type
<input type="text" value="ALL"/>	Legal process	<input type="text" value="ALL"/>	Determination outcome	<input type="text" value="ALL"/>
<input type="text" value="and"/>	Sort by	<input type="text" value="Determination date"/>	Determination date between	<input type="text" value="Search"/>

*Please note current contact details for the Registered Native Title Body Corporate are available from the Office of the Registrar of Indigenous Corporations www.oric.gov.au

No results for current search criteria



Search National Native Title Register

The National Native Title Register (NNTR) is a register established under s. 192 of the *Native Title Act 1993* (Cth).

The NNTR contains determinations of native title made by:

- the High Court of Australia
- the Federal Court of Australia
- or a recognised body such as South Australia's Supreme Court and Environment Resources and Development Court.

Further information about the NNTR is available.

Tribunal file no. Federal Court file no. Short name
 Case name State or Territory Registered Native Title Body Corporate*
 Representative ATSI body area Local government area Determination type
 Legal process Determination outcome Determination date between
 and Search

*Please note current contact details for the Registered Native Title Body Corporate are available from the Office of the Registrar of indigenous Corporations www.oric.gov.au

Your search returned **2** matches.

Short name	Case name	Legal process	Determination date	Outcome
Western Bundjalung People Part A	Western Bundjalung People v Attorney General of New South Wales	Consent	29/08/2017	Native title exists in parts of the determination area
The Githabul People	Trevor Close on behalf of the Githabul People v Minister for Lands	Consent	29/11/2007	Native title exists in the entire determination area

ATTACHMENT 4

NSW Office of Environment & Heritage: 03022020

Search for heritage

Search help

About the State Heritage Register

Online database

Other lists and registers

Support for local heritage

Find a heritage professional

Visit heritage places

Research

Development and heritage

Managing a heritage-listed place

Publications

Grants and funding

About the Heritage Division

Heritage Council

Search for NSW heritage

Your search did not return any matching results. Please refine your search and try again.

Here you can search the State Heritage Inventory. The State Heritage Inventory is a database of heritage items in New South Wales which includes

- declared Aboriginal Places
- items listed on the State Heritage Register
- listed Interim Heritage Orders
- items on State Agency Heritage Registers and
- items listed of local heritage significance on a local council's Local Environmental Plan

NSW's maritime heritage, that is not a site listed on the State Heritage Register, is held in a separate database. You can search for shipwrecks, submerged aircraft and other maritime heritage sites in the **Maritime Heritage Database**.

For more information about Aboriginal Places and other sites of significance refer to **Aboriginal Heritage Information Management System**.

We work to keep the State Heritage Inventory up to date. We rely on State agencies and local councils to provide updated information when applicable. It's recommended that you check with the relevant State agency or local council for the most up-to-date information.

Basic search criteria

Item name/database ID:	<input type="text"/>
Street name:	<input type="text"/>
Suburb/town:	<input type="text"/>
Local Government Area:	<input type="text"/>
Local Aboriginal Land Council (LALC):	<input type="text"/>
Heritage listings:	<input type="text"/>
SHR number:	<input type="text"/>

Additional search criteria

NOTE: For items listed by local councils, there may not be information in the additional search criteria fields.

Owner organisation*:	<input type="text"/>
Designer/builder:	<input type="text"/>



Register of Native Title Claims Details

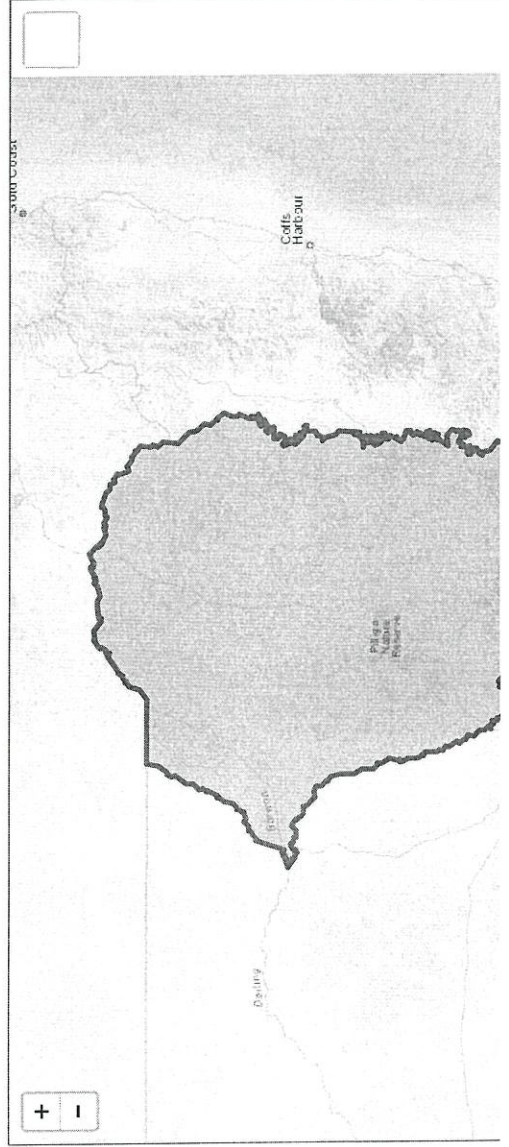
[Back to search results](#)

NC2011/006 - Gomeroi People

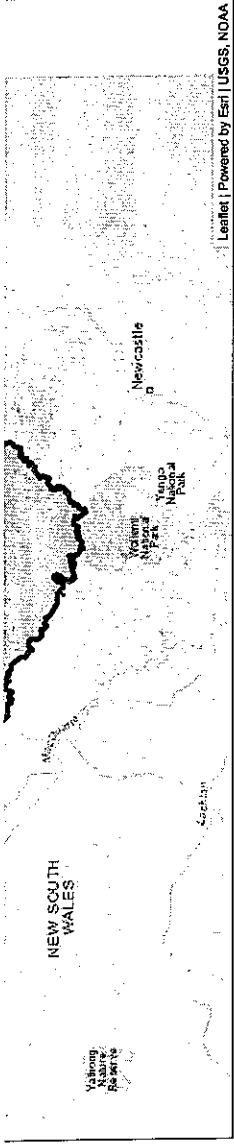
Tribunal file no.	NC2011/006
Federal Court file no.	NSD37/2019
Application name	Gomeroi People
State or Territory	New South Wales;
Representative A/TSI body area(s)	New South Wales
Local government area(s)	Armidale Regional Council, Coonamble Shire Council, Gulgandra Shire Council, Glen Innes Severn Shire Council, Gunnedah Shire Council, Gwydir Shire Council, Inverell Shire Council, Liverpool Plains Shire Council, Mid-Western Regional Council, Moree Plains Shire Council, Muswellbrook Shire Council, Narrabri Shire Council, Tamworth Regional Council, Upper Hunter Shire Council, Uralla Shire Council, Walcha Council, Walgett Shire Council, Warumbungle Shire Council
Date filed	20/12/2011
Date claim entered on Register	20/01/2012

Register extract and attachments

Register extract	RNTCExtract_NC2011_006.pdf
Register extract attachment/s	External Description of the boundary.pdf Map of the area covered by the Application.pdf



Register of Native Title Claims Details



[View this map in NTV: NC2011006](#)

ATTACHMENT 6



National
Native Title
Tribunal

Extract from the Register of Native Title Claims

Application Information

Application Reference: Federal Court number: NSD37/2019
NNTT number: NC2011/006

Application name: Gomeroi People v Attorney General of New South Wales (Gomeroi People)

Registration History: Registered from 20/01/2012

Register Extract (pursuant to s. 186 of the *Native Title Act 1993*)

Application filed with: Federal Court of Australia

Date application filed: 20/12/2011

Date claim entered on Register: 20/01/2012

Applicants: Leslie Duncan, Marcus Waters, Malcolm Talbot, Barry French, Garry Binge, Raymond Weatherall, Jason Wilson, Steven Talbot, Donald Craigie, Dennis Griffen, Jennifer Bennett, Sheryl Barnes, Roslyn Nean, Sharon Porter, Emily Roberts, Fay Twidale, Tania Mathews, Natasha Talbot, Maria Cutmore

Address for service: Mishka Holt
NTSCORP Ltd
Level 1
44-70 rosehill Street
Redfern NSW 2016
Phone: 02 9310 3188
Fax: 02 9310 4177

Additional Information:

Not Applicable

DESCRIPTION OF THE AREA COVERED BY THE CLAIM:

The area covered by the application ('the Application Area') comprises all the land and waters within the external boundaries described in Attachment B and depicted in the map at Attachment C.

The Application Area description and map have been prepared with the assistance of the Geo-Spatial Unit of the National Native Title Tribunal. The area covered by this application does not include the areas described at point B below.

(B) Areas within the external boundaries not covered by the application

1. The area covered by the application excludes any land and waters covered by past or present freehold title or by previous valid exclusive possession acts as defined by section 23B of the Native Title Act 1993 (Cth)

2. The area covered by the application excludes any land and waters which are:

- a) a Scheduled interest;
- b) a freehold estate;
- c) a commercial lease that is neither an agricultural lease nor a pastoral lease;
- d) an exclusive agricultural lease or an exclusive pastoral lease;
- e) a residential lease;
- f) a community purpose lease;
- g) a lease dissected from a mining lease and referred to in s 23B(2)(o)(vii) of the Native Title Act (1993) (Cth); and
- h) any lease (other than a mining lease) that confers a right of exclusive possession over particular land or waters.

3. Subject to paragraphs 5 and 6, the area covered by the application excludes any land or waters covered by the valid construction or establishment of any public work, where the construction or establishment of the public work commenced on or before 23 December 1996.

4. Subject to paragraphs 5 and 6, exclusive possession is not claimed over areas which are subject to valid previous non-exclusive possession acts done by the Commonwealth, State or Territory.

5. Subject to paragraph 7 below, where the act specified in paragraphs 2, 3 and 4 falls within the provisions of:

- a) s 23B(9) Exclusion of acts benefiting Aboriginal Peoples or Torres Strait Islanders;
- b) s 23B(9A) Establishment of a national park or state park;
- c) s 23B(9B) Acts where legislation provides for non-extinguishment;
- d) s 23B(9C) Exclusion of Crown to Crown grants; and
- e) s 23B(10) Exclusion by regulation;

the area covered by the act is not excluded from the application.

6. Where an act specified in paragraphs 2, 3 and 4 affects or affected land or waters referred to in:

- f) s 47 Pastoral leases etc covered by claimant application;
- g) s 47A Reserves covered by claimant application;
- h) s 47B Vacant Crown land covered by claimant application;

the area covered by the act is not excluded from the application.

7. The area covered by the application excludes land or waters where the native title rights and interests claimed have been otherwise extinguished.

PERSONS CLAIMING TO HOLD NATIVE TITLE:

The Gomeri People are the native title claim group on whose behalf the Applicant makes this application. The native title claim group comprises all the descendants of the following apical ancestors:

Thomas Pitt (who was born in 1838).

Billy Barlow (who was born in Tycannah in 1835)

Peter James Cutmore (who was born in Tycannah in 1849)

James Swan (who was born in Combadello in 1825)

Harriett Wyndham (who was born in Mungie Bundie in 1863)
William Levy (who was born in Terry Hie Hie in 1867)
Sally Nerang (who was born in Terry Hie Hie circa 1840)
Eliza Barlow (who was born in Terry Hie Hie circa 1860)
Kitty Dangar (who was born in Walgett in 1837)
William Clark (who was born in Collarenebri in 1845)
Murray Ippai (who was born in Collarenebri)
Mary Ann Ippai (who was born on the Barwon River)
Edward Morgan (who was born in Dungalear in 1855)
Nancy Morgan (who was born in Dungalear in 1861)
Robert Nicholls (who was born in Collarenebri in 1842)
Frank Mundy (who was born in Collymongle in 1872)
Lena Combo (who was born in Mogil Mogil in 1876)
Jack Thunderbolt (who was born in Walgett in 1847)
Betsy Yates (also known as Polly Yates and Polly Burras) (who was born on the Barwon River circa 1860)
Jenny (who was born in Walgett circa 1840)
Dick Silk (who was born in Walgett)
Fred Parker (who was born in Gingie in 1864)
Murray Rook (who was born in Collarenebri in 1865)
Ethel Tinker (who was born in Mercadool circa 1878)
Emily McPherson (who was born in Collarenebri in 1892)
Billy Whitford (who was born in 1828)
King Robert Cobbler (who was born in Mogil Mogil in 1855)
Billy Wightman (who was born in Kunopia in 1813)
John McGrady (who was born in Moree in 1853)
William Dennison (who was born in Kunopia in 1843)
Charlie Dennison (who was born circa 1846-1866)
Alice Dennison (who was born in Moree circa 1863 -1873)
Lucy Long (who was born in Boomi circa 1850)
Minnie Lance (who was born in Boomi circa 1868), Harry Denham
Charles Cubby (who was born on the Boomi River)
Sarah Wilson (also known as Sarah Murphy and Sarah Witman) (who was born in Kunopia in 1868)
Reuben Bartman (who was born in Boomi in 1876)
Billy Dunn (who was born in Mungindi)
William Edwards (who was born in Thallon)

Queen Susan (who was born in Welltown)

Phoebe Munday-Williams (who was born in Mungindi in 1864)

George Bennett (who was born in Mungindi in 1873)

Amelia Bell (also known as Amelia Brown) (who was born in Bingara in 1862)

William Snow (who was born in Tamworth or Moonbi in 1855)

Francis Snow (who was born in Tamworth in 1858)

Matilda Wyndham (who was born in Bingara in 1842)

Thomas Duke (who was born in Bingara in 1847)

Teasie Griffen (also known as Jessie Griffen and Ellen Griffen) (who was born in Barraba in 1859)

Mary Anne Hammond (who was born in Tamworth in 1836)

Elizabeth Guest (also known as Eliza Gillan) (who was born in Liverpool Plains in 1840)

Jane Maloney (who was born in Walhallow in 1838)

Mary Ann Healy (who was born in Murrurundi in 1829)

Thomas Taylor (who was born in Coolah in 1836)

Elizabeth Loder (also known as Elizabeth Bates) (who was born in Murrurundi in 1843)

Sarah Gatehouse (who was born in Aberdeen in 1835)

William Duncomb (who was born in Muswellbrook circa 1830)

John Morris Tighe (who was born in 1852)

Susan Bishop-Young (also known as Susan Dangar) (who was born in Warialda)

Sarah Murphy (who was born in 1846)

Thomas French (who was born in Scone in 1825)

John Thomas Bates (who was born on the Mooki River in 1840)

Alexander Nean (who was born in Liverpool Plains in 1843)

David Johnson (who was born in Cassilis circa 1838-1844)

Mary Orr (also known as Nellie Orr) (who was born in Garrawilla in 1853)

Julia Campbell (who was born on the Castlereagh River circa 1833-1834)

Annie Jendis (who was born in Burbagate in 1845)

Harriet Munro (who was born in Cunnodah in 1867), Alice Eliza Natty (who was born on the Namoi River near Boggabri in 1857)

James Tighe (who was born in Coonabarabran in 1842)

William Tighe (who was born in Toorawandi in 1844)

Patrick Tighe (who was born in Coonabarabran in 1852)

Jane Tighe (who was born in 1864)

Mary Jane Griffin (also known as 'Old Ibadah')

Susan Slater (who was born in Coonabarabran in 1839)

Thomas Leslie (who was born in Kirban circa 1850-1854)

James Leslie (who was born in born Armatree in 1853)
Ellen Fuller (who was born in Rockgidge in 1854)
Sarah Hughes (who was born in Coonabarabran circa 1834-1859)
James Cole (who was born in NSW in 1845)
Mary Ann Hall (who was born on the Castlereagh River in 1840)
Samuel Bruce Smith (who was born in Tambar Springs circa 1860 ' 1863)
Elizabeth Ann Smith (who was born in Mullaley in 1866)
William Green (also known as William Edwards) (who was born in Kings Plains near Inverell in 1853)
Angus Landsborough (who was born in Newstead in 1867)
Patrick Landsborough (who was born in Newstead in 1872)
Alec Brown (who was born in Bundarra in 1873)
Margaret King (who was born in Gummin Gummin near Gulargambone circa 1854-1858)
William James King (who was born in Coonabarabran circa 1851-1853)
Florence May Blackman (also known as Louisa Florima Blackman) (who was born in Coonamble in 1846)
Euphemia Blackman (who was born on the Castlereagh River in 1851)
Henry Arthur Yates (who was born in Coonamble in 1860)
Betsy Yates (who was born in Wingadee in 1854)
Annie Day (who was born in Bullarora Station near Coonamble circa 1871-1876)
Army Toomey (who was born in Wingadee near Coonamble in 1886)
Maria Clare Hall (who was born in Gulargambone circa 1830-1833)
Thomas Carney (who was born in Tonderburine in 1852)
Jim Duncan (who was born in Coonamble in 1854)
Thomas Reid (who was born in Cuttabri in 1840)
Thomas John Blacklock (who was born in Terembone in 1851)
Thomas Dangar (who was born in Drilldool in 1857), Harry Doolan (who was born in Pilliga in 1855)
George Green (who was born in 1851)
Lucy Barr (who was born in Boggabri in 1851)
Peggy Reid (who was born in Cuttabri in 1836)
Julia Jane Saunders (who was born in Wee Waa in 1845)
William Newman (who was born in Cuttabri in 1807)
Emma Dingwell (who was born in Bograh Station near Narrabri in 1864)
Kate Purser (who was born in Narrabri in 1863)
Mary Ann Lucas (who was born in Millie in 1840)
Frank Maybury (who was born in Killarney Station near Narrabri circa 1840)
Charlotte Hagan (also known as Charlotte Keegan) (who was born in Narrabri circa 1850-1870)

Nellie Combo (who was born in Wallah Station near Narrabri in 1850)

Mary Peake (who was born in Narrabri in 1848)

Descendants include persons who are descendants by adoption according to traditional law and custom.

See further information attached and marked 'A'.

REGISTERED NATIVE TITLE RIGHTS AND INTERESTS:

The following Native Title Rights & Interests were entered on the Register on 20/01/2012

1. Where exclusive native title can be recognised (such as areas where there has been no prior extinguishment of native title or where s.238 and/or ss.47, 47A and 47B apply), the Gomeroi People as defined in Schedule A of this application, claim the right to possession, occupation, use and enjoyment of the lands and waters of the application area to the exclusion of all others subject to the valid laws of the Commonwealth and the State of New South Wales.

2. Where exclusive native title cannot be recognised, the Gomeroi People as defined in Schedule A of this application, claim the following non-exclusive rights and interests including the right to conduct activities necessary to give effect to them

- (a) the right to access the application area;
- (b) the right to use and enjoy the application area;
- (c) the right to move about the application area;
- (d) the right to camp on the application area;
- (e) the right to erect shelters and other structures on the application area;
- (f) the right to live being to enter and remain on the application area;
- (g) the right to hold meetings on the application area;
- (h) the right to hunt on the application area;
- (i) the right to fish in the application area;
- (j) the right to have access to and use the natural water resources of the application area;
- (k) the right to gather and use the natural resources of the application area (including food, medicinal plants, timber, tubers, charcoal, wax, stone, ochre and resin as well as materials for fabricating tools, hunting implements, making artwork and musical instruments);
- (m) the right to share and exchange resources derived from the land and waters within the application area;
- (n) the right to participate in cultural and spiritual activities on the application area;
- (o) the right to maintain and protect places of importance under traditional laws, customs and practices in the application area;
- (p) the right to conduct ceremonies and rituals on the application area;
- (q) the right to transmit traditional knowledge to members of the native title claim group including knowledge of particular sites on the application area;

3. The native title rights and interests referred to in paragraph 2 do not confer possession, occupation, use or enjoyment of the lands and waters of the application area to the exclusion of all others.

4. The native title rights and interests are subject to and exercisable in accordance with:

- (a) the laws of the State of New South Wales and the Commonwealth of Australia including the common law;
- (b) the rights (past or present) conferred upon persons pursuant to the laws of the Commonwealth and the laws

of the State of New South Wales; and

(c) the traditional laws and customs of the Gomeroi People for personal, domestic and communal purposes (including social, cultural, religious, spiritual and ceremonial purposes).

REGISTER ATTACHMENTS:

1. External description of the boundary, 5 pages - A4, 04/02/2019
2. Map of the area covered by the Application , 1 page - A4, 04/02/2019

Note: The Register of Native Title Claims may, in accordance with s. 188 of the Native Title Act 1993, contain confidential information that will not appear on the Extract.

Gomeroi

External boundary description

The application area covers all the land and waters within the external boundary described as:

Commencing at the intersection of the centreline of an unnamed creek and the Queensland - New South Wales border at Longitude 148.384192° East and extending easterly, generally north easterly, generally south easterly and generally southerly along that State border to the eastern bank of Crooked Creek; then generally southerly along the bank of that creek to the western boundary of Bruxner Highway road reserve; then generally southerly and generally south easterly along the western boundaries of that highway, Rocky Creek Road, Innes Glen, an unnamed road, Strathbogie Road, Maids Valley Road and Waterloo Road reserves to the northern boundary of the Gwydir Highway road reserve; then generally south westerly along the boundary of that Highway road reserve to the prolongation northerly of the eastern boundary of Lot 7001 on DP93978; then southerly along that prolongation and the eastern boundaries of that lot to its south east corner; then south east to a point 1000 metres above the Australian Height Datum (A.H.D.) at Latitude 29.762966° South; then generally southerly along that 1000 metre contour to the eastern boundary of Lot 100 on DP753260; then southerly, generally easterly, again southerly and generally westerly along the eastern boundaries of that lot and northern, eastern and southern boundaries of Lot 91 on DP753292 to again the 1000 metre contour; then generally westerly and generally south easterly along that contour line to the eastern boundary of Lot 132 on DP753300; then southerly, generally westerly and generally southerly along the eastern and southern boundaries of that lot and Lot 199 on DP46377 to again the 1000 metre contour at a point approximately 200 metres north of the Macintyre River; then generally easterly and generally south westerly along that contour line to the northern boundary of the Single National Park; then generally easterly, southerly, generally westerly, generally southerly and again generally westerly along the northern, eastern and southern boundaries of that National Park to its westernmost corner; then westerly, southerly and again westerly along the northern and western boundaries of Lots 110 and 4 on DP753667 to Lot 101 on DP753667; then southerly, generally easterly and again southerly along the eastern and northern boundaries of that lot, Lot 96 on DP753667 and the prolongation southerly of that boundary across Moredun Creek to the northern boundary of Lot 900 on DP1137399; then

generally easterly and generally southerly along the northern and eastern boundaries of the western severance of that Lot and the prolongation southerly of that boundary to the southern bank of Limestone Creek; then generally westerly, southerly, westerly, again southerly, again generally westerly along that bank, eastern and southern boundaries of Lot 82 on DP753667, northern and western boundaries of Lots 57 and 64 on DP753667 and southern boundaries of lots 65 and 63 on DP753667 to the eastern boundary of Lot 2 on DP712834; then northerly, westerly, again northerly, again westerly, again northerly, again westerly and southerly along the eastern and northern boundaries of that lot and Lot 110 on DP753645, eastern and northern boundaries of Lot 33 on DP753667 and eastern, northern and western boundaries of Lot 10 on DP753667 to that lots south west corner; then westerly along the southern boundary of Lot 11 on DP753667 to the eastern boundary of Indwarra National Park; then generally southerly along the boundaries of that National Park to the northern boundary of Lot 66 on DP753645; then easterly, southerly, again easterly and generally south easterly along the northern and eastern boundaries of Lots 66, 67, 83 on DP753645, The Basin Nature Reserve and Lot 85 on DP753645 to the northern bank of Georges Creek; then generally north easterly along the southern and eastern boundaries of Lots 20, 122 and 11 on DP753645 to the western boundary of Lot 30 on DP753645; then northerly, generally easterly, generally southerly and westerly along the western, northern and eastern boundaries of Lot 30 on DP753645 and eastern and southern boundaries of Lots 58 and 62 on DP753676 to its southwest corner; then southerly and westerly along the boundaries of Lot 51 on DP753635 to the 1000 metre contour at approx Longitude 151.282626° East; then generally south easterly and generally westerly along that 1000 meter contour to the eastern boundary of Lot 89 on DP1008694; then southerly, generally south easterly, easterly and generally southerly along the eastern boundary of that lot, north eastern boundary of Lot 49 on DP753672, northern and eastern boundaries of Lots 45, 34 and 41 on DP753672 and onwards to the southern bank of Abington Creek; then generally south easterly along that bank to the south eastern corner of Lot 69 on DP721174; then westerly, southerly and generally westerly along the boundaries of that lot and Lot 68 on DP721174 to the eastern boundary of Lot 55 on DP753671; then southerly, westerly and again southerly along the boundaries of that lot, southern boundary of Lot 79 on DP721148 and eastern boundary of Lot 54 on DP753683 to the northern boundary of Lot 46 on DP753683; then easterly, generally southerly and generally south westerly along the boundaries of that lot and Lot 2 on DP236759 to the north eastern boundary of Lot 58 on DP753683; then generally

south easterly along the boundary of that lot and onwards to the southern bank of Haylocks Creek; then generally westerly along that bank and the southern bank of Cachs Creek to the northern boundary of Thunderbolts Way road reserve; then generally south easterly along that road reserve, and the eastern boundaries of Yarrowyck-Torryburn Road and Yarrowyck Crossing Road reserve boundaries to the centreline of the Gwydir River; then generally easterly and generally southerly along that centreline to Morses Creek; then generally southerly along the centreline of that creek and Long Swamp Creek to the northern boundary of Lot 5 on DP591627; then generally south westerly along that boundary to the 1000 metre contour; then generally southerly along that contour to the western boundary of Lot 117 on DP753849; then northerly, generally easterly and southerly along the western, northern and eastern boundaries of that lot and Lot 45 on DP753849 to again the 1000 metre contour; then generally southerly along that contour to Latitude 30.937829° South; then south westerly to the northern bank of the MacDonald River at 30.953337° South; then generally southerly to the northern boundary of McNamara Street, Woolbrook; then easterly and generally southerly along the boundary of that street and the centrelines of Borthwick Street, Reid Street (Limbri-Woolbrook Road) and Campfire Road to again the 1000 metre contour at approximately Latitude 30.984652° South; then generally southerly along that contour to the northern boundary of Lot 76 on DP753847 at approximately Longitude 151.331784° East; then generally easterly along that boundary and the northern boundaries of Lot 19 on DP753847 and Lots 76, 85, 54 and 4 on DP755345 to that lots eastern boundary; then southerly along that boundary, the eastern boundary of Lot 60 on DP755345 and onwards to again the 1000 metre contour; then generally south westerly along that contour to the northern boundary of Lot 67 on DP755345; then easterly, southerly, generally easterly, generally southerly, westerly, again southerly and again westerly along the boundaries of that lot and Lot 62 on DP755345 to again the 1000 metre contour; then generally southerly along that contour to the northern boundary of Lot 71 on DP755317; then generally easterly and generally southerly along the boundaries of that lot to again the 1000 metre contour; then generally southerly along that contour to the western boundary of Lot 104 on DP755317; then northerly, generally easterly and southerly along the boundaries of that lot to again the 1000 metre contour; then generally south westerly along that contour to the northern boundary of an unnamed road reserve which bisects Lot 2 on DP731952; then generally south westerly along the boundary of that unnamed road reserve (along the Port Stephens Cutting) to the south eastern corner of the northern severance of Lot 11 on

DP755338; then generally southerly and generally easterly along the western and southern boundaries of Lots 39 and 40 on DP881258, Lot 3 on DP815453 and Lot 32 on DP755351 to its south east corner; then northerly along the eastern boundary of that lot to the prolongation westerly of the northern boundary of Lot 22 on DP755351; then generally easterly along that prolongation and that boundary to the western bank of Dungowan Creek; then generally southerly along that bank to the prolongation westerly of the northern boundary of Lot 63 on DP618784; then easterly, southerly, again easterly and generally southerly along the northern and eastern boundaries of that lot and Lots 21, 28 and 23 on DP755339 to the northern boundary of the Nundle State Forest; then generally easterly and generally southerly along the eastern boundaries of that State Forest and Tomalla State Forest to the northern bank of the Barnard River; then generally westerly along that bank to the south eastern corner of Lot 28 on DP753709; then northerly, westerly, generally northerly, again westerly, again northerly and generally westerly along the eastern and northern boundaries of that lot, Lot 26 on DP753717, Lot 28 on DP45607, Lot 7301 on DP1130347 and again Lot 28 on DP45607 to the south western corner of Lot 27 on DP45607; then northerly, generally westerly and southerly along the western boundary of that lot, southern boundaries of Nundle and Hanging Rock State Forests and eastern boundary of Back River Nature Reserve to the northern bank of the Back River; then generally westerly along that bank to the 1000 metre contour; then generally southerly, generally westerly and again generally southerly along that contour to the northern boundary of Lot 49 on DP753722, being Ben Hall's Gap National Park; then generally easterly, generally southerly, generally westerly and again generally southerly along the boundaries of that National Park and onwards to the centreline of Pages Creek; then generally south easterly and generally south westerly along that centreline and the centreline of the Hunter River to the Goulburn River; then generally westerly along that centreline to approximately Longitude 149.817504° East, Latitude 32.209916° South; then north westerly to the intersection of the centrelines of two unnamed creeks at approximately Longitude 149.713070° East, Latitude 32.161341° South; then generally north westerly along that centreline and the centreline of Mona Creek to the Talbragar River; then generally north westerly along that centreline to the eastern boundary of the Castlereagh Highway road reserve; then generally north westerly along that road reserve boundary to the southern bank of the Castleragh River and onwards to the centreline of that river; then generally westerly, generally north westerly and again generally westerly along that centreline and the centreline of the Macquarie River to the

Barwon River; then generally easterly and generally north easterly along the centreline of that river and the Big Warrambool to an unnamed creek at approximately Latitude 29.030555° South; then generally north easterly along the centreline of that unnamed creek back to the commencement point.

Note

Data Reference and source

- Application boundary data compiled by National Native Title Tribunal based on data sourced from NTSCORP.
- Cadastre data sourced from the LPM Authority, NSW (September 2010) and Public Sector Mapping Agency (November 2011).
- Rivers / Creeks based on cadastre where available, otherwise, Topographic vector data which is © Commonwealth of Australia (Geoscience Australia) 2003.
- Road names sourced from cadastre and Google map data © 2011 - Whereis (R) Sensis Pty Ltd.
- Contour data supplied by NTSCORP.

Reference datum

Geographical coordinates have been provided by the NNTT Geospatial Services and are referenced to the Geocentric Datum of Australia 1994 (GDA94), in decimal degrees and are based on the spatial reference data acquired from the various custodians at the time

Use of Coordinates

Where coordinates are used within the description to represent cadastral or topographical boundaries or the intersection with such, they are intended as a guide only. As an outcome to the custodians of cadastral and topographic data continuously recalculating the geographic position of their data based on improved survey and data maintenance procedures, it is not possible to accurately define such a position other than by detailed ground survey.

Prepared by Geospatial Services, National Native Title Tribunal (09 December 2011)



ATTACHMENT 7

EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

LGA INVERELL SHIRE COUNCIL, NSW

Report created: 18/12/19 11:45:28

[Summary](#)

[Details](#)

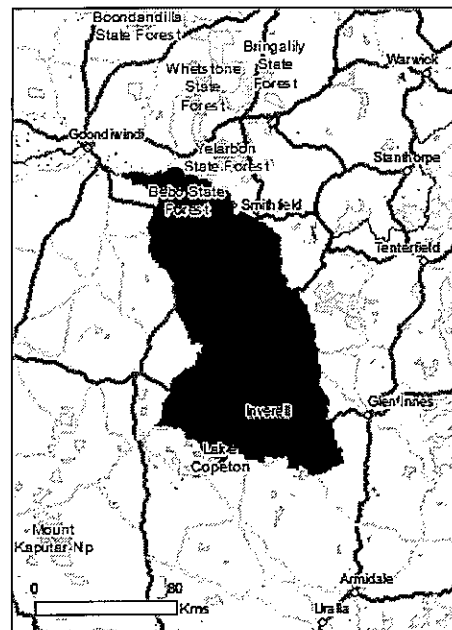
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)



This map may contain data which are
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Summary

Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the Administrative Guidelines on Significance - see <http://environment.gov.au/protection/environment-assessments>

<u>World Heritage Properties:</u>	None
<u>National Heritage Places:</u>	None
<u>Wetlands of International Significance:</u>	4
<u>Great Barrier Reef Marine Park:</u>	None
<u>Commonwealth Marine Area:</u>	None
<u>Threatened Ecological Communities:</u>	8
<u>Threatened Species:</u>	55
<u>Migratory Species:</u>	13

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <http://www.environment.gov.au/heritage>

A permit may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species. Information on EPBC Act permit requirements and application forms can be found at <http://www.environment.gov.au/epbc/permits-and-application-forms>

<u>Commonwealth Lands:</u>	6
<u>Commonwealth Heritage Places:</u>	1
<u>Listed Marine Species:</u>	20
<u>Whales and Other Cetaceans:</u>	None
<u>Critical Habitats:</u>	None
<u>Commonwealth Reserves Terrestrial:</u>	None
<u>Australian Marine Parks:</u>	None

Extra Information

This part of the report provides information that may also be relevant to the area you have nominated.

<u>State and Territory Reserves:</u>	20
<u>Regional Forest Agreements:</u>	1
<u>Invasive Species:</u>	37
<u>Nationally Important Wetlands:</u>	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar)

[[Resource Information](#)]

Name

Proximity

[Banrock station wetland complex](#)

1000 - 1100km

[Gwydir wetlands: gingham and lower gwydir \(big leather\) watercourses](#)

100 - 150km upstream

[Riverland](#)

1000 - 1100km

[The coorong, and lakes alexandrina and albert wetland](#)

1200 - 1300km

Threatened Ecological Communities

[[Resource Information](#)]

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Name

Status

Type of Presence

[Brigalow \(Acacia harpophylla dominant and co-dominant\)](#)

Endangered

Community known to occur within area

[Coolibah - Black Box Woodlands of the Darling Riverine Plains and the Brigalow Belt South Bioregions](#)

Endangered

Community likely to occur within area

[Natural grasslands on basalt and fine-textured alluvial plains of northern New South Wales and southern Queensland](#)

Critically Endangered

Community likely to occur within area

[New England Peppermint \(Eucalyptus nova-anglica\) Grassy Woodlands](#)

Critically Endangered

Community likely to occur within area

[Poplar Box Grassy Woodland on Alluvial Plains](#)

Endangered

Community likely to occur within area

[Upland Wetlands of the New England Tablelands \(New England Tableland Bioregion\) and the Monaro Plateau \(South Eastern Highlands Bioregion\)](#)

Endangered

Community likely to occur within area

[Weeping Myall Woodlands](#)

Endangered

Community likely to occur within area

[White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland](#)

Critically Endangered

Community likely to occur within area

Threatened Species

[[Resource Information](#)]

Name

Status

Type of Presence

BIRDS

[Anthochaera phrygia](#)

Regent Honeyeater [82338]

Critically Endangered

Species or species habitat known to occur within area

[Botaurus poiciloptilus](#)

Australasian Bittern [1001]

Endangered

Species or species habitat may occur within area

[Calidris ferruginea](#)

Curlew Sandpiper [856]

Critically Endangered

Species or species habitat may occur within area

[Erythrotriorchis radiatus](#)

Red Goshawk [942]

Vulnerable

Species or species habitat likely to occur within area

[Geophaps scripta scripta](#)

Squatter Pigeon (southern) [64440]

Vulnerable

Species or species habitat likely to occur within area

[Grantiella picta](#)

Painted Honeyeater [470]

Vulnerable

Species or species habitat known to occur

Name	Status	Type of Presence within area
<u>Hirundapus caudacutus</u> White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
<u>Lathamus discolor</u> Swift Parrot [744]	Critically Endangered	Species or species habitat known to occur within area
<u>Rostratula australis</u> Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
FISH		
<u>Maccullochella peelii</u> Murray Cod [66633]	Vulnerable	Species or species habitat known to occur within area
FROGS		
<u>Litoria castanea</u> Yellow-spotted Tree Frog, Yellow-spotted Bell Frog [1848]	Critically Endangered	Species or species habitat likely to occur within area
MAMMALS		
<u>Chalinolobus dwyeri</u> Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat likely to occur within area
<u>Dasyurus maculatus maculatus (SE mainland population)</u> Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat known to occur within area
<u>Nyctophilus corbeni</u> Corben's Long-eared Bat, South-eastern Long-eared Bat [83395]	Vulnerable	Species or species habitat known to occur within area
<u>Petauroides volans</u> Greater Glider [254]	Vulnerable	Species or species habitat likely to occur within area
<u>Petrogale penicillata</u> Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat known to occur within area
<u>Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)</u> Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Vulnerable	Species or species habitat known to occur within area
<u>Potorous tridactylus tridactylus</u> Long-nosed Potoroo (SE Mainland) [66645]	Vulnerable	Species or species habitat may occur within area
<u>Pseudomys novaehollandiae</u> New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat likely to occur within area
<u>Pteropus poliocephalus</u> Grey-headed Flying-fox [186]	Vulnerable	Roosting known to occur within area
PLANTS		
<u>Acacia macnuttiana</u> McNutt's Wattle [10711]	Vulnerable	Species or species habitat known to occur within area
<u>Acacia pubifolia</u> Velvet Wattle [19799]	Vulnerable	Species or species habitat known to occur within area
<u>Acacia ruppii</u> Rupp's Wattle [7559]	Endangered	Species or species habitat known to occur within area
<u>Androcalva procumbens</u> [87153]	Vulnerable	Species or species

Name	Status	Type of Presence habitat likely to occur within area
<u>Astrotricha roddii</u> [56312]	Endangered	Species or species habitat known to occur within area
<u>Boronia granitica</u> Granite Boronia [18598]	Endangered	Species or species habitat known to occur within area
<u>Cadellia pentastylis</u> Ooline [9828]	Vulnerable	Species or species habitat likely to occur within area
<u>Callistemon pungens</u> [55581]	Vulnerable	Species or species habitat known to occur within area
<u>Cryptostylis hunteriana</u> Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat may occur within area
<u>Dichanthium setosum</u> bluegrass [14159]	Vulnerable	Species or species habitat known to occur within area
<u>Diuris pedunculata</u> Small Snake Orchid, Two-leaved Golden Moths, Golden Moths, Cowslip Orchid, Snake Orchid [18325]	Endangered	Species or species habitat likely to occur within area
<u>Eucalyptus caleyi subsp. ovendenii</u> Ovenden's Ironbark [56193]	Vulnerable	Species or species habitat known to occur within area
<u>Eucalyptus mckieana</u> McKie's Stringybark [20199]	Vulnerable	Species or species habitat likely to occur within area
<u>Eucalyptus nicholii</u> Narrow-leaved Peppermint, Narrow-leaved Black Peppermint [20992]	Vulnerable	Species or species habitat known to occur within area
<u>Eucalyptus rubida subsp. barbigerorum</u> Blackbutt Candlebark [64618]	Vulnerable	Species or species habitat known to occur within area
<u>Homopholis belsonii</u> Belson's Panic [2406]	Vulnerable	Species or species habitat may occur within area
<u>Homoranthus bebo</u> [88498]	Critically Endangered	Species or species habitat known to occur within area
<u>Homoranthus prolixus</u> [55198]	Vulnerable	Species or species habitat likely to occur within area
<u>Lepidium monoplacoides</u> Winged Pepper-cress [9190]	Endangered	Species or species habitat may occur within area
<u>Lepidium peregrinum</u> Wandering Pepper-cress [14035]	Endangered	Species or species habitat may occur within area
<u>Leucopogon confertus</u> Torrington Beard-heath [14417]	Endangered	Species or species habitat may occur within area
<u>Macrozamia cranei</u> [64681]	Endangered	Species or species habitat likely to occur within area

Name	Status	Type of Presence
<u>Micromyrtus grandis</u> [64647]	Endangered	Species or species habitat known to occur within area
<u>Phebalium glandulosum subsp. eglandulosum</u> Rusty Desert Phebalium [17140]	Vulnerable	Species or species habitat may occur within area
<u>Picris evae</u> Hawkweed [10839]	Vulnerable	Species or species habitat likely to occur within area
<u>Prasophyllum sp. Wybong (C.Phelps ORG 5269)</u> a leek-orchid [81964]	Critically Endangered	Species or species habitat known to occur within area
<u>Rutidosia heterogama</u> Heath Wrinklewort [13132]	Vulnerable	Species or species habitat known to occur within area
<u>Thesium australe</u> Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat known to occur within area
<u>Tylophora linearis</u> [55231]	Endangered	Species or species habitat known to occur within area
<u>Zieria ingramii</u> Ingram's Zieria [56734]	Endangered	Species or species habitat known to occur within area
REPTILES		
<u>Anomalopus mackayi</u> Five-clawed Worm-skink, Long-legged Worm-skink [25934]	Vulnerable	Species or species habitat known to occur within area
<u>Delma torquata</u> Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat may occur within area
<u>Furina dunmali</u> Dunmall's Snake [59254]	Vulnerable	Species or species habitat known to occur within area
<u>Uvidicolus sphyrurus</u> Border Thick-tailed Gecko, Granite Belt Thick-tailed Gecko [84578]	Vulnerable	Species or species habitat known to occur within area
<u>Wollumbinia belli</u> Bell's Turtle, Western Sawshelled Turtle, Namoi River Turtle, Bell's Saw-shelled Turtle [86071]	Vulnerable	Species or species habitat may occur within area
Migratory Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Migratory Marine Birds		
<u>Apus pacificus</u> Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
<u>Hirundapus caudacutus</u> White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
<u>Monarcha melanopsis</u> Black-faced Monarch [609]		Species or species habitat known to occur within area
<u>Motacilla flava</u> Yellow Wagtail [644]		Species or species habitat may occur within

Name	Threatened	Type of Presence area
<u>Myiagra cyanoleuca</u> Satin Flycatcher [612]		Species or species habitat known to occur within area
<u>Rhipidura rufifrons</u> Rufous Fantail [592]		Species or species habitat known to occur within area
Migratory Wetlands Species <u>Actitis hypoleucos</u> Common Sandpiper [59309]		Species or species habitat may occur within area
<u>Calidris acuminata</u> Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
<u>Calidris ferruginea</u> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
<u>Calidris melanotos</u> Pectoral Sandpiper [858]		Species or species habitat may occur within area
<u>Gallinago hardwickii</u> Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area
<u>Pandion haliaetus</u> Osprey [952]		Species or species habitat known to occur within area
<u>Tringa nebularia</u> Common Greenshank, Greenshank [832]		Species or species habitat may occur within area

Other Matters Protected by the EPBC Act

Commonwealth Lands

[[Resource Information](#)]

The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Name

Commonwealth Land - Australian Postal Commission
 Commonwealth Land - Australian Telecommunications Commission
 Commonwealth Land - Commonwealth Bank of Australia
 Commonwealth Land - Commonwealth Trading Bank of Australia
 Commonwealth Land - Telstra Corporation Limited
 Defence - AIRTC INVERELL

Commonwealth Heritage Places

[[Resource Information](#)]

Name	State	Status
Historic <u>Inverell Post Office</u>	NSW	Listed place

Listed Marine Species

[[Resource Information](#)]

* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Birds <u>Actitis hypoleucos</u> Common Sandpiper [59309]		Species or species habitat may occur within area
<u>Apus pacificus</u> Fork-tailed Swift [678]		Species or species habitat likely to occur within area

Name	Threatened	Type of Presence
<u>Ardea alba</u> Great Egret, White Egret [59541]		Species or species habitat known to occur within area
<u>Ardea ibis</u> Cattle Egret [59542]		Species or species habitat may occur within area
<u>Calidris acuminata</u> Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
<u>Calidris ferruginea</u> Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
<u>Calidris melanotos</u> Pectoral Sandpiper [858]		Species or species habitat may occur within area
<u>Chrysococcyx osculans</u> Black-eared Cuckoo [705]		Species or species habitat known to occur within area
<u>Gallinago hardwickii</u> Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area
<u>Haliaeetus leucogaster</u> White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
<u>Hirundapus caudacutus</u> White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area
<u>Lathamus discolor</u> Swift Parrot [744]	Critically Endangered	Species or species habitat known to occur within area
<u>Merops ornatus</u> Rainbow Bee-eater [670]		Species or species habitat may occur within area
<u>Monarcha melanopsis</u> Black-faced Monarch [609]		Species or species habitat known to occur within area
<u>Motacilla flava</u> Yellow Wagtail [644]		Species or species habitat may occur within area
<u>Myiagra cyanoleuca</u> Satin Flycatcher [612]		Species or species habitat known to occur within area
<u>Pandion haliaetus</u> Osprey [952]		Species or species habitat known to occur within area
<u>Rhipidura rufifrons</u> Rufous Fantail [592]		Species or species habitat known to occur within area
<u>Rostratula benghalensis (sensu lato)</u> Painted Snipe [889]	Endangered*	Species or species habitat likely to occur within area
<u>Tringa nebularia</u> Common Greenshank, Greenshank [832]		Species or species habitat may occur within area

Extra Information

State and Territory Reserves

[Resource Information]

Name	State
Arakoola	NSW
Barayamal	NSW
Boorabee and The Willows	NSW
Burrall Yurrul	NSW
Burrall Yurrul	NSW
Crooked Creek	NSW
Dthinna Dthinnawan	NSW
Dthinna Dthinnawan	NSW
Goonoowigal	NSW
Gwydir River	NSW
Kings Plains	NSW
Kwiambal	NSW
Kwiambal	NSW
Maroomba	NSW
Nullamanna	NSW
Severn River	NSW
Single	NSW
Taringa	NSW
Tingha Plateau	NSW
UNE_LNE_OldGrowth	NSW

Regional Forest Agreements

[Resource Information]

Note that all areas with completed RFAs have been included.

Name	State
<u>North East NSW RFA</u>	New South Wales

Invasive Species

[Resource Information]

Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resources Audit,

Name	Status	Type of Presence
Birds		
Acridotheres tristis		
Common Myna, Indian Myna [387]		Species or species habitat likely to occur within area
Anas platyrhynchos		
Mallard [974]		Species or species habitat likely to occur within area
Carduelis carduelis		
European Goldfinch [403]		Species or species habitat likely to occur within area
Columba livia		
Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area
Streptopelia chinensis Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
Sturnus vulgaris Common Starling [389]		Species or species habitat likely to occur within area
Turdus merula Common Blackbird, Eurasian Blackbird [596]		Species or species habitat likely to occur within area
Frogs Rhinella marina Cane Toad [83218]		Species or species habitat likely to occur within area
Mammals Bos taurus Domestic Cattle [16]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Capra hircus Goat [2]		Species or species habitat likely to occur within area
Equus caballus Horse [5]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Feral deer Feral deer species in Australia [85733]		Species or species habitat likely to occur within area
Lepus capensis Brown Hare [127]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur within area
Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Rattus rattus Black Rat, Ship Rat [84]		Species or species habitat likely to occur within area
Sus scrofa Pig [6]		Species or species habitat likely to occur within area
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
Plants Anredera cordifolia Madeira Vine, Jalap, Lamb's-tail, Mignonette Vine, Anredera, Gulf Madeiravine, Heartleaf		Species or species habitat likely to occur

Name	Status	Type of Presence
Madeiravine, Potato Vine [2643] Asparagus asparagoides Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's Smilax, Smilax Asparagus [22473]		within area Species or species habitat likely to occur within area
Cytisus scoparius Broom, English Broom, Scotch Broom, Common Broom, Scottish Broom, Spanish Broom [5934]		Species or species habitat likely to occur within area
Dolichandra unguis-cati Cat's Claw Vine, Yellow Trumpet Vine, Cat's Claw Creeper, Funnel Creeper [85119]		Species or species habitat likely to occur within area
Eichhornia crassipes Water Hyacinth, Water Orchid, Nile Lily [13466]		Species or species habitat likely to occur within area
Genista sp. X Genista monspessulana Broom [67538]		Species or species habitat may occur within area
Lycium ferocissimum African Boxthorn, Boxthorn [19235]		Species or species habitat likely to occur within area
Nassella neesiana Chilean Needle grass [67699]		Species or species habitat likely to occur within area
Nassella trichotoma Serrated Tussock, Yass River Tussock, Yass Tussock, Nassella Tussock (NZ) [18884]		Species or species habitat likely to occur within area
Opuntia spp. Prickly Pears [82753]		Species or species habitat likely to occur within area
Pinus radiata Radiata Pine Monterey Pine, Insignis Pine, Wilding Pine [20780]		Species or species habitat may occur within area
Rubus fruticosus aggregate Blackberry, European Blackberry [68406]		Species or species habitat likely to occur within area
Salix spp. except S.babylonica, S.x calodendron & S.x reichardtii Willows except Weeping Willow, Pussy Willow and Sterile Pussy Willow [68497]		Species or species habitat likely to occur within area
Senecio madagascariensis Fireweed, Madagascar Ragwort, Madagascar Groundsel [2624]		Species or species habitat likely to occur within area
Solanum elaeagnifolium Silver Nightshade, Silver-leaved Nightshade, White Horse Nettle, Silver-leaf Nightshade, Tomato Weed, White Nightshade, Bull-nettle, Prairie-berry, Satansbos, Silver-leaf Bitter-apple, Silverleaf-nettle, Trompillo [12323]		Species or species habitat likely to occur within area
Tamarix aphylla Athel Pine, Athel Tree, Tamarisk, Athel Tamarisk, Athel Tamarix, Desert Tamarisk, Flowering Cypress, Salt Cedar [16018]		Species or species habitat likely to occur within area

Caveat

The information presented in this report has been provided by a range of data sources as acknowledged at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the Environment Protection and Biodiversity Conservation Act 1999. It holds mapped locations of World and National Heritage properties, Wetlands of International and National Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species distributions have been derived through a variety of methods. Where distributions are well known and if time permits, maps are derived using either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc) together with point locations and described habitat; or environmental modelling (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where very little information is available for species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc). In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More reliable distribution mapping methods are used to update these distributions as time permits.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and
- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites
- seals which have only been mapped for breeding sites near the Australian continent

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environment and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [-Forestry Corporation, NSW](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

[Please feel free to provide feedback via the Contact Us page.](#)

ATTACHMENT 8

NSW Wildlife Atlas Online Database Search - BioNet Species Sightings Search

Data from the BioNet Atlas website, which holds records from a number of custodians. The data are only indicative and cannot be considered a comprehensive inventory, and may contain errors and omissions. Species listed under the Sensitive Species Data Policy may have their locations denatured (rounded to 0.1°; ^^ rounded to 0.01°). Copyright the State of NSW through the Office of Environment and Heritage. Search criteria : Public Report of all Val Records of Entities in selected area [North: -29.05 West: 151.18 East: 151.28 South: -29.15] returned a total of 628 records of 241 species.
Report generated on 18/12/2019 3:14 PM

Kingdom	Class	Family	Species Code	Scientific Name	Exotic	Common Name	NSW status	Comm. status	Records
Animalia	Amphibia	Myobatrachida	3059	<i>Limnodynastes fletcheri</i>		Long-thumbed Frog	P		2
Animalia	Amphibia	Myobatrachida	3063	<i>Limnodynastes tasmaniensis</i>		Spotted Grass Frog	P		1
Animalia	Amphibia	Myobatrachida	3112	<i>Platyplectrum ornatum</i>		Ornate Burrowing Frog	P		2
Animalia	Amphibia	Myobatrachida	3151	<i>Uperoleia rugosa</i>		Wrinkled Toadlet	P		1
Animalia	Amphibia	Hylidae	3210	<i>Litoria rubella</i>		Desert Tree Frog	P		1
Animalia	Reptilia	Gekkonidae	2082	<i>Gehyra dubia</i>		Dubious Dtiella	P		2
Animalia	Reptilia	Gekkonidae	2105	<i>Heteronotia binoei</i>		Bynoe's Gecko	P		1
Animalia	Reptilia	Gekkonidae	2123	<i>Nebulifera robusta</i>		Robust Velvet Gecko	P		1
Animalia	Reptilia	Scincidae	2320	<i>Carlia vivax</i>		Tussock Rainbow-skink	P		2
Animalia	Reptilia	Scincidae	2331	<i>Cryptoblepharus virgatus</i>		Cream-striped Shinning-skink	P		2
Animalia	Reptilia	Scincidae	2375	<i>Ctenotus robustus</i>		Robust Ctenotus	P		1
Animalia	Reptilia	Scincidae	2408	<i>Egernia cunninghami</i>		Cunningham's Skink	P		1
Animalia	Reptilia	Scincidae	2429	<i>Egernia striolata</i>		Tree Skink	P		2
Animalia	Reptilia	Scincidae	5154	<i>Lerista muelleri</i>		Wood Mulch-slider	P		1

Animalia	Reptilia	Scincidae	2419	<i>Liopholis modesta</i>	Eastern Ranges Rock-skink	P	1
Animalia	Reptilia	Scincidae	2307	<i>Lygisaurus foliorum</i>	Tree-base Litter-skink	P	2
Animalia	Reptilia	Varanidae	2282	<i>Varanus tristis</i>	Black-headed Monitor	P	1
Animalia	Aves	Columbidae	9931	<i>Geopelia striata</i>	Peaceful Dove	P	1
Animalia	Aves	Columbidae	0043	<i>Ocyphaps lophotes</i>	Crested Pigeon	P	1
Animalia	Aves	Podargidae	0313	<i>Podargus strigoides</i>	Tawny Frogmouth	P	1
Animalia	Aves	Ardeidae	0188	<i>Egretta novaehollandiae</i>	White-faced Heron	P	1
Animalia	Aves	Cacatuidae	0269	<i>Cacatua galerita</i>	Sulphur-crested Cockatoo	P	1
Animalia	Aves	Cacatuidae	0273	<i>Eolophus roseicapillus</i>	Galah	P	1
Animalia	Aves	Cacatuidae	0274	<i>Nymphicus hollandicus</i>	Cockatiel	P	2
Animalia	Aves	Psittacidae	0281	<i>Alisterus scapularis</i>	Australian King-Parrot	P	1
Animalia	Aves	Psittacidae	0280	<i>Aprosmictus erythropterus</i>	Red-winged Parrot	P	1
Animalia	Aves	Psittacidae	0260	<i>Glossopsitta pusilla</i>	Little Lorikeet	V,P	1
Animalia	Aves	Psittacidae	0302	<i>Neophema pulchella</i>	Turquoise Parrot	V,P,3	2
Animalia	Aves	Psittacidae	E/PH	<i>Platyercus adscitus</i>	Eastern/Pale-headed Rosella	P	1
Animalia	Aves	Psittacidae	9947	<i>adscitus x eximius</i> <i>Trichoglossus haematodus</i>	Rainbow Lorikeet	P	1
Animalia	Aves	Strigidae	9922	<i>Ninox novaeseelandiae</i>	Southern Boobook	P	1
Animalia	Aves	Climacteridae	8127	<i>Climacteris picumnus victoriae</i>	Brown Treecreeper (eastern subspecies)	V,P	2
Animalia	Aves	Maluridae	0529	<i>Malurus cyaneus</i>	Superb Fairy-wren	P	1
Animalia	Aves	Acanthizidae	0453	<i>Gerygone olivacea</i>	White-throated Gerygone	P	1
Animalia	Aves	Acanthizidae	0465	<i>Smicromnis brevirostris</i>	Weebill	P	1
Animalia	Aves	Pardalotidae	0976	<i>Pardalotus striatus</i>	Striated Pardalote	P	1

Animalia	Aves	Meliphagidae	8303	<i>Melithreptus gularis gularis</i>	Black-chinned Honeyeater (eastern subspecies)	V,P	1
Animalia	Aves	Meliphagidae	0645	<i>Philemon corniculatus</i>	Noisy Friarbird	P	1
Animalia	Aves	Pomatostomidae	8388	<i>Pomatostomus temporalis temporalis</i>	Grey-crowned Babbler (eastern subspecies)	V,P	1
Animalia	Aves	Campephagidae	0423	<i>Coracina maxima</i>	Ground Cuckoo-shrike	P	1
Animalia	Aves	Campephagidae	0424	<i>Coracina novaehollandiae</i>	Black-faced Cuckoo-shrike	P	1
Animalia	Aves	Pachycephalidae	0401	<i>Pachycephala rufiventris</i>	Rufous Whistler	P	1
Animalia	Aves	Artamidae	0545	<i>Artamus superciliosus</i>	White-browed Woodswallow	P	1
Animalia	Aves	Artamidae	0700	<i>Cracticus nigrogularis</i>	Pied Butcherbird	P	1
Animalia	Aves	Artamidae	0705	<i>Cracticus tibicen</i>	Australian Magpie	P	1
Animalia	Aves	Artamidae	0702	<i>Cracticus torquatus</i>	Grey Butcherbird	P	1
Animalia	Aves	Monarchidae	0415	<i>Grallina cyanoleuca</i>	Magpie-lark	P	1
Animalia	Aves	Corcoracidae	0693	<i>Corcorax melanorhamphos</i>	White-winged Chough	P	1
Animalia	Aves	Estrildidae	0661	<i>Neochmia modesta</i>	Plum-headed Finch	P	2
Animalia	Aves	Estrildidae	0652	<i>Stagonopleura guttata</i>	Diamond Firetail	V,P	1
Animalia	Aves	Estrildidae	0655	<i>Taeniopygia bichenovii</i>	Double-barred Finch	P	2
Animalia	Aves	Estrildidae	0653	<i>Taeniopygia guttata</i>	Zebra Finch	P	2
Animalia	Mammalia	Phascolarctidae	1162	<i>Phascolarctos cinereus</i>	Koala	V,P	3
Animalia	Mammalia	Phalangeridae	1113	<i>Trichosurus vulpecula</i>	Common Brushtail Possum	P	2

Animalia	Mammalia	Macropodidae	1242	<i>Wallabia bicolor</i>		Swamp Wallaby	P	1
Animalia	Mammalia	Molossidae	1324	<i>Austronomus australis</i>		White-striped Freetail-bat	P	1
Animalia	Mammalia	Canidae	1532	<i>Vulpes vulpes</i>	*	Fox		2
Animalia	Mammalia	Suidae	1514	<i>Sus scrofa</i>	*	Pig		1
Animalia	Mammalia	Cervidae	9112	<i>Cervus sp.</i>	*	Unidentified Deer		1
Plantae	Flora	Acanthaceae	1003	<i>Brunoniella australis</i>		Blue Trumpet		7
Plantae	Flora	Acanthaceae	9256	<i>Rostellularia adscendens</i>		Pink Tongues		1
Plantae	Flora	Acanthaceae	12393	<i>Rostellularia adscendens</i> <i>var. adscendens</i>				3
Plantae	Flora	Amaranthaceae	7191	<i>Alternanthera pungens</i>	*	Khaki Weed		1
Plantae	Flora	Amaranthaceae	7056	<i>Gomphrena celosioides</i>	*	Gomphrena Weed		1
Plantae	Flora	Anthericaceae	3574	<i>Thysanotus tuberosus</i>		Common Fringe-lily		1
Plantae	Flora	Apiaceae	1098	<i>Ammi majus</i>	*	Bishop's Weed		1
Plantae	Flora	Apiaceae	11195	<i>Cyclospermum leptophyllum</i>	*	Slender Celery		2
Plantae	Flora	Apiaceae	1143	<i>Platysace ericoides</i>				1
Plantae	Flora	Apocynaceae	1227	<i>Gomphocarpus fruticosus</i>	*	Narrow-leaved Cotton Bush		2
Plantae	Flora	Asteraceae	1283	<i>Bidens pilosa</i>	*	Cobblers' Pegs		3
Plantae	Flora	Asteraceae	1337	<i>Calotis cuneifolia</i>		Purple Burr-Daisy		6
Plantae	Flora	Asteraceae	1344	<i>Calotis lappulacea</i>		Yellow Burr-daisy		6
Plantae	Flora	Asteraceae	1367	<i>Cassinia laevis</i>		Cough Bush		4
Plantae	Flora	Asteraceae	8559	<i>Chrysocephalum apiculatum</i>		Common Everlasting		8

Plantae	Flora	Asteraceae	1399	<i>Cirsium arvense</i>	*	Perennial Thistle	1
Plantae	Flora	Asteraceae	1400	<i>Cirsium vulgare</i>	*	Spear Thistle	3
Plantae	Flora	Asteraceae	1404	<i>Conyza bcariensis</i>	*	Flaxleaf Fleabane	1
Plantae	Flora	Asteraceae	1426	<i>Cymbonotus lawsonianus</i>		Bear's Ear	1
Plantae	Flora	Asteraceae	13989	<i>Glossocarya bidens</i>		Cobbler's Tack	8
Plantae	Flora	Asteraceae	1540	<i>Hypochoeris glabra</i>	*	Smooth Catsear	2
Plantae	Flora	Asteraceae	10480	<i>Olearia elliptica subsp. elliptica</i>			1
Plantae	Flora	Asteraceae	10166	<i>Schkuhria pinnata var. abrotanoides</i>	*	Dwarf Marigold	2
Plantae	Flora	Asteraceae	8253	<i>Solenogyne bellioides</i>		Solengyne	3
Plantae	Flora	Asteraceae	1689	<i>Sonchus asper</i>	*	Prickly Sowthistle	1
Plantae	Flora	Asteraceae	1690	<i>Sonchus oleraceus</i>	*	Common Sowthistle	2
Plantae	Flora	Asteraceae	14049	<i>Tolpis barbata</i>	*	Yellow Hawkweed	1
Plantae	Flora	Asteraceae	8925	<i>Triptilodiscus pygmaeus</i>		Common Sunray	1
Plantae	Flora	Asteraceae	1711	<i>Vittadinia cuneata</i>		A Fuzzweed	4
Plantae	Flora	Asteraceae	9446	<i>Vittadinia cuneata var. cuneata f. cuneata</i>			2
Plantae	Flora	Asteraceae	1716	<i>Vittadinia muelleri</i>		A Fuzzweed	1
Plantae	Flora	Asteraceae	7130	<i>Xanthium occidentale</i>	*	Noogoora Burr	1
Plantae	Flora	Boraginaceae	1758	<i>Heliotropium amplexicaule</i>	*	Blue Heliotrope	9
Plantae	Flora	Brassicaceae	1815	<i>Lepidium africanum</i>	*	Common Peppergrass	4
Plantae	Flora	Brassicaceae	1841	<i>Rapistrum rugosum</i>	*	Turnip Weed	1
Plantae	Flora	Cactaceae	1872	<i>Opuntia aurantiaca</i>	*	Tiger Pear	10
Plantae	Flora	Cactaceae	1875	<i>Opuntia stricta</i>	*	Common Prickly Pear	9
Plantae	Flora	Cactaceae	7659	<i>Opuntia stricta var. stricta</i>	*	Common Prickly Pear	1

Plantae	Flora	Cactaceae	7747	<i>Opuntia tomentosa</i>	*	Velvet Tree Pear	2
Plantae	Flora	Campanulaceae	7314	<i>Wahlenbergia luteola</i>		Bluebell	1
Plantae	Flora	Caryophyllaceae ^e	7584	<i>Petrohragia nanteuilii</i>	*	Proliferous Pink	1
Plantae	Flora	Casuarinaceae	9006	<i>Casuarina cunninghamiana subsp. cunninghamiana</i>		River Oak	1
Plantae	Flora	Celastraceae	7924	<i>Elaeodendron australe var. angustifolium</i>			1
Plantae	Flora	Chenopodiaceae ^e	2111	<i>Einadia nutans</i>		Climbing Saltbush	1
Plantae	Flora	Chenopodiaceae ^e	6482	<i>Einadia nutans subsp. nutans</i>		Climbing Saltbush	1
Plantae	Flora	Chenopodiaceae ^e	2113	<i>Einadia trigonos</i>		Fishweed	4
Plantae	Flora	Chenopodiaceae ^e	2128	<i>Maireana enchylaenoides</i>		Wingless Fissure-weed	1
Plantae	Flora	Chenopodiaceae ^e	2138	<i>Maireana microphylla</i>		Small-leaf Bluebush	3
Plantae	Flora	Chenopodiaceae ^e	2170	<i>Sclerolaena birchii</i>		Galvanized Burr	1
Plantae	Flora	Chenopodiaceae ^e	2185	<i>Sclerolaena muricata</i>		Black Rolypoly	1
Plantae	Flora	Chenopodiaceae ^e	7799	<i>Sclerolaena muricata var. villosa</i>		Black Rolypoly	1
Plantae	Flora	Clusiaceae	7240	<i>Hypericum gramineum</i>		Small St John's Wort	2
Plantae	Flora	Colchicaceae	3578	<i>Wurmbea biglandulosa</i>			1

Plantae	Flora	Commelinaceae	2209	<i>Commelina cyanea</i>	Native Wandering Jew	2
Plantae	Flora	Convolvulaceae	2222	<i>Dichondra repens</i>	Kidney Weed	5
Plantae	Flora	Convolvulaceae	8727	<i>Dichondra sp. A</i>	Kidney Weed	14
Plantae	Flora	Convolvulaceae	2223	<i>Evolvulus alsinoides</i>	Bindweed	1
Plantae	Flora	Crassulaceae	2237	<i>Crassula colorata</i>	Dense Stonecrop	3
Plantae	Flora	Cupressaceae	6379	<i>Callitris glaucophylla</i>	White Cypress Pine	11
Plantae	Flora	Cyperaceae	2313	<i>Carex breviculmis</i>		2
Plantae	Flora	Cyperaceae	7898	<i>Carex incomitata</i>		1
Plantae	Flora	Cyperaceae	2327	<i>Carex inversa</i>	Knob Sedge	2
Plantae	Flora	Cyperaceae	2351	<i>Cyperus bifax</i>	Downs Nutgrass	1
Plantae	Flora	Cyperaceae	2372	<i>Cyperus fulvus</i>	Sticky Sedge	6
Plantae	Flora	Cyperaceae	2374	<i>Cyperus gracilis</i>	Slender Flat-sedge	7
Plantae	Flora	Cyperaceae	7435	<i>Fimbristylis dichotoma</i>	Common Fringe-sedge	2
Plantae	Flora	Dilleniaceae	2542	<i>Hibbertia obtusifolia</i>	Hoary Guinea Flower	1
Plantae	Flora	Ericaceae	2660	<i>Styphelia triflora</i>	Pink Five-Corners	1
Plantae	Flora	Euphorbiaceae	9193	<i>Chamaesyce dallachyana</i>		1
Plantae	Flora	Euphorbiaceae	8560	<i>Chamaesyce drummondii</i>	Caustic Weed	3
Plantae	Flora	Euphorbiaceae	13981	<i>Euphorbia lathyris</i>	Caper Spurge	2
Plantae	Flora	Fabaceae (Faboideae)	2834	<i>Desmodium brachypodium</i>	Large Tick-trefoil	2
Plantae	Flora	Fabaceae (Faboideae)	2840	<i>Desmodium varians</i>	Slender Tick-trefoil	3
Plantae	Flora	Fabaceae (Faboideae)	2859	<i>Glycine canescens</i>	Silky Glycine	2

Plantae	Flora	Fabaceae (Faboideae)	2860	<i>Glycine clandestina</i>		Twining glycine	1
Plantae	Flora	Fabaceae (Faboideae)	2861	<i>Glycine tabacina</i>		Variable Glycine	7
Plantae	Flora	Fabaceae (Faboideae)	2922	<i>Medicago polymorpha</i>	*	Burr Medic	2
Plantae	Flora	Fabaceae (Faboideae)	2926	<i>Medicago truncatula</i>	*	Barrel Medic	1
Plantae	Flora	Fabaceae (Faboideae)	3041	<i>Swainsona galegifolia</i>		Smooth Darling Pea	2
Plantae	Flora	Fabaceae (Faboideae)	3051	<i>Swainsona oroboides</i>			2
Plantae	Flora	Fabaceae (Faboideae)	3073	<i>Trifolium arvense</i>	*	Haresfoot Clover	1
Plantae	Flora	Fabaceae (Mimosoideae)	10823	<i>Neptunia gracilis f. gracilis</i>		Sensitive Plant	1
Plantae	Flora	Geraniaceae	3142	<i>Erodium cicutarium</i>		Blue Crowfoot	1
Plantae	Flora	Geraniaceae	3156	<i>Geranium solanderi</i>		Native Geranium	2
Plantae	Flora	Goodeniaceae	3193	<i>Goodenia pinnatifida</i>		Scrambles Eggs	2
Plantae	Flora	Juncaceae	3326	<i>Juncus continuus</i>			1
Plantae	Flora	Juncaceae	3350	<i>Juncus usitatus</i>			1
Plantae	Flora	Lamiaceae	3371	<i>Ajuga australis</i>		Austral Bugle	1
Plantae	Flora	Lamiaceae	3387	<i>Mentha saturioides</i>		Native Pennyroyal	1
Plantae	Flora	Lamiaceae	3452	<i>Teucrium corymbosum</i>		Forest Germander	2
Plantae	Flora	Linaceae	3583	<i>Linum marginale</i>		Native Flax	2
Plantae	Flora	Lomandraceae	6295	<i>Lomandra bracteata</i>		Mat-rush	3

Plantae	Flora	Lomandraceae	6302	<i>Lomandra filiformis</i>	Wattle Matt-rush	5
Plantae	Flora	Lomandraceae	7931	<i>Lomandra filiformis</i> <i>subsp. filiformis</i>		1
Plantae	Flora	Lomandraceae	6308	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush	1
Plantae	Flora	Lomandraceae	8802	<i>Lomandra multiflora</i> <i>subsp. multiflora</i>	Many-flowered Mat-rush	4
Plantae	Flora	Loranthaceae	6710	<i>Dendrophthoe</i> <i>glabrescens</i>		2
Plantae	Flora	Malvaceae	3632	<i>Abutilon oxycarpum</i>	Straggly Lantern-bush	2
Plantae	Flora	Malvaceae	3659	<i>Malvastrum</i> <i>coromandelianum</i>	Prickly Malvastrum	1
Plantae	Flora	Malvaceae	3664	<i>Sida corrugata</i>	Corrugated Sida	2
Plantae	Flora	Malvaceae	3666	<i>Sida cunninghamii</i>	Ridge Sida	1
Plantae	Flora	Malvaceae	14631	<i>Sida hackettiana</i>	Golden Rod, Spikec Sida,	4
Plantae	Flora	Malvaceae	3673	<i>Sida rhombifolia</i>	Queensland Hemp	4
Plantae	Flora	Myoporaceae	8602	<i>Eremophila debilis</i>	Paddy's Lucerne	2
Plantae	Flora	Myrtaceae	3971	<i>Angophora floribunda</i>	Amulla	4
Plantae	Flora	Myrtaceae	4019	<i>Callistemon viminalis</i>	Rough-barked Apple	2
Plantae	Flora	Myrtaceae	4039	<i>Eucalyptus albens</i>	Weeping Bottlebrush	8
Plantae	Flora	Myrtaceae	6360	<i>Eucalyptus camaldulensis</i>	White Box	3
Plantae	Flora	Myrtaceae	4078	<i>Eucalyptus dealbata</i>	River Red Gum	1
Plantae	Flora	Myrtaceae	4124	<i>Eucalyptus melanophloia</i>	Tumbledown Red Gum	11
Plantae	Flora	Myrtaceae	4129	<i>Eucalyptus moluccana</i>	Silver-leaved Ironbark	9
Plantae	Flora	Myrtaceae	10023	<i>Eucalyptus populnea</i> <i>subsp. bimbil</i>	Grey Box	7
Plantae	Flora	Myrtaceae	4191	<i>Eucalyptus tereticornis</i>	Bimble Box	3
Plantae	Flora	Myrtaceae			Forest Red Gum	

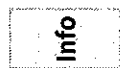
Plantae	Flora	Myrtaceae	4215	<i>Leptospermum brachyandrum</i>		1
Plantae	Flora	Myrtaceae	6390	<i>Melaleuca bracteata</i>	Black Tea-tree	2
Plantae	Flora	Nyctaginaceae	6841	<i>Boerhavia dominii</i>	Tarvine	4
Plantae	Flora	Oleaceae	4310	<i>Jasminum suavissimum</i>		2
Plantae	Flora	Oleaceae	6695	<i>Notelaea microcarpa</i> var. <i>microcarpa</i>		4
Plantae	Flora	Oxalidaceae	4621	<i>Oxalis perennans</i>		2
Plantae	Flora	Oxalidaceae	4624	<i>Oxalis radicata</i>		2
Plantae	Flora	Oxalidaceae	OXAL	<i>Oxalis</i> spp.		1
Plantae	Flora	Papaveraceae	7115	<i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i>	* Mexican Poppy	1
Plantae	Flora	Phormiaceae	7784	<i>Dianella revoluta</i> var. <i>vinosa</i>		1
Plantae	Flora	Phyllanthaceae	6751	<i>Phyllanthus virgatus</i>	Wiry Spurge	3
Plantae	Flora	Pittosporaceae	11202	<i>Pittosporum angustifolium</i>	Butterbush	1
Plantae	Flora	Plantaginaceae	4699	<i>Plantago lanceolata</i>	* Lamb's Tongues	1
Plantae	Flora	Poaceae	9334	<i>Aristida calycina</i> var. <i>calycina</i>		1
Plantae	Flora	Poaceae	4758	<i>Aristida echinata</i>		2
Plantae	Flora	Poaceae	4767	<i>Aristida personata</i>		5
Plantae	Flora	Poaceae	4770	<i>Aristida ramosa</i>		10
Plantae	Flora	Poaceae	4773	<i>Aristida vagans</i>	Purple Wiregrass	3
Plantae	Flora	Poaceae	6983	<i>Arundinella nepalensis</i>	Threawn Speargrass	4
Plantae	Flora	Poaceae	10395	<i>Auistrostipa densiflora</i>	Reedgrass	1
Plantae	Flora	Poaceae	10377	<i>Auistrostipa scabra</i>	Foxtail Speargrass	2

Plantae	Flora	Poaceae	10378	<i>Austrostipa scabra</i> subsp. <i>scabra</i>	Rough Speargrass	1
Plantae	Flora	Poaceae	10371	<i>Austrostipa verticillata</i>	Slender Bamboo Grass	6
Plantae	Flora	Poaceae	7559	<i>Bothriochloa decipiens</i> var. <i>decipiens</i>	Pitted Bluegrass	10
Plantae	Flora	Poaceae	7813	<i>Bromus catharticus</i> *	Prairie Grass	2
Plantae	Flora	Poaceae	4833	<i>Chloris truncata</i>	Windmill Grass	2
Plantae	Flora	Poaceae	4834	<i>Chloris ventricosa</i>	Tall Chloris	7
Plantae	Flora	Poaceae	6655	<i>Chloris virgata</i> *	Feathertop Rhodes Grass	1
Plantae	Flora	Poaceae	4841	<i>Cymbopogon refractus</i>	Barbed Wire Grass	18
Plantae	Flora	Poaceae	7645	<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>	Queensland Bluegrass	5
Plantae	Flora	Poaceae	4943	<i>Enneapogon gracilis</i>	Slender Nineawn	6
Plantae	Flora	Poaceae	6721	<i>Enteropogon acicularis</i>	Curly Windmill Grass	1
Plantae	Flora	Poaceae	7921	<i>Eragrostis brownii</i>	Brown's Lovegrass	1
Plantae	Flora	Poaceae	4955	<i>Eragrostis elongata</i>	Clustered Lovegrass	1
Plantae	Flora	Poaceae	4960	<i>Eragrostis leptostachya</i>	Paddock Lovegrass	6
Plantae	Flora	Poaceae	6601	<i>Heteropogon contortus</i>	Bunch Speargrass	2
Plantae	Flora	Poaceae	5016	<i>Hyparrhenia hirta</i> *	Coolatai Grass	21
Plantae	Flora	Poaceae	5055	<i>Panicum effusum</i>	Hairy Panic	7
Plantae	Flora	Poaceae	5066	<i>Panicum simile</i>	Two-colour Panic	1
Plantae	Flora	Poaceae	5086	<i>Paspalum dilatatum</i> *	Paspalum	2
Plantae	Flora	Poaceae	8744	<i>Poa sieberiana</i> var. <i>hirtella</i>		1
Plantae	Flora	Poaceae	14304	<i>Rytidosperma bipartitum</i>	Wallaby Grass	1

Plantae	Flora	Poaceae	14319	<i>Rytidosperma racemosum</i> var. <i>obtusatum</i>	Wallaby Grass	1
Plantae	Flora	Poaceae	5177	<i>Sporobolus caroli</i>	Fairy Grass	1
Plantae	Flora	Poaceae	5179	<i>Sporobolus creber</i>	Slender Rat's Tail Grass	3
Plantae	Flora	Poaceae	5181	<i>Sporobolus elongatus</i>	Slender Rat's Tail Grass	2
Plantae	Flora	Poaceae	5237	<i>Urochloa panicoides</i>	Urochloa Grass	2
Plantae	Flora	Polygonaceae	5296	<i>Rumex brownii</i>	Swamp Dock	1
Plantae	Flora	Portulacaceae	5321	<i>Portulaca filifolia</i>	Slender Pigweed	1
Plantae	Flora	Portulacaceae	5324	<i>Portulaca oleracea</i>	Pigweed	1
Plantae	Flora	Primulaceae	14614	<i>Lysimachia arvensis</i>	Scarlet Pimpernel	2
Plantae	Flora	Pteridaceae	6382	<i>Cheilanthes distans</i>	Bristly Cloak Fern	5
Plantae	Flora	Pteridaceae	8006	<i>Cheilanthes lasiophylla</i>		1
Plantae	Flora	Pteridaceae	10439	<i>Cheilanthes sieberi</i>	Rock Fern	15
Plantae	Flora	Pteridaceae	8007	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	Rock Fern	1
Plantae	Flora	Ranunculaceae	5496	<i>Clematis microphylla</i>	Small-leaved Clematis	3
Plantae	Flora	Rubiaceae	11942	<i>Psychotria odorata</i>	Shiny-leaved Canthium	1
Plantae	Flora	Solanaceae	6082	<i>Solanum ferocissimum</i>	Spiny Potato-bush	1
Plantae	Flora	Stackhousiaceae	6120	<i>Stackhousia monogyna</i>	Creamy Candles	2
Plantae	Flora	Stackhousiaceae	6121	<i>Stackhousia muricata</i>	Stackhousia	2
Plantae	Flora	Thymelaeaceae	6176	<i>Pimelea curviflora</i>	Rice Flower	1
Plantae	Flora	Thymelaeaceae	6184	<i>Pimelea neo-anglica</i>	Poison Pimelea	3
Plantae	Flora	Urticaceae	6238	<i>Urtica urens</i>	Small Nettle	1
Plantae	Flora	Verbenaceae	12422	<i>Glandularia aristigera</i>	Mayne's Pest	16

Plantae	Flora	Verbenaceae	6256	<i>Verbena bonariensis</i>	*	Purpletop	1
Plantae	Flora	Verbenaceae	10717	<i>Verbena gaudichaudii</i>		Verbena	1
Plantae	Flora	Verbenaceae	10718	<i>Verbena incompta</i>	*		2
Plantae	Flora	Verbenaceae	11406	<i>Verbena rigida</i> var. <i>rigida</i>	*	Veined Verbena	6
Animalia	Mammalia	Miniopteridae	3330	<i>Miniopterus orianae oceanensis</i>		Large Bent-winged Bat	1

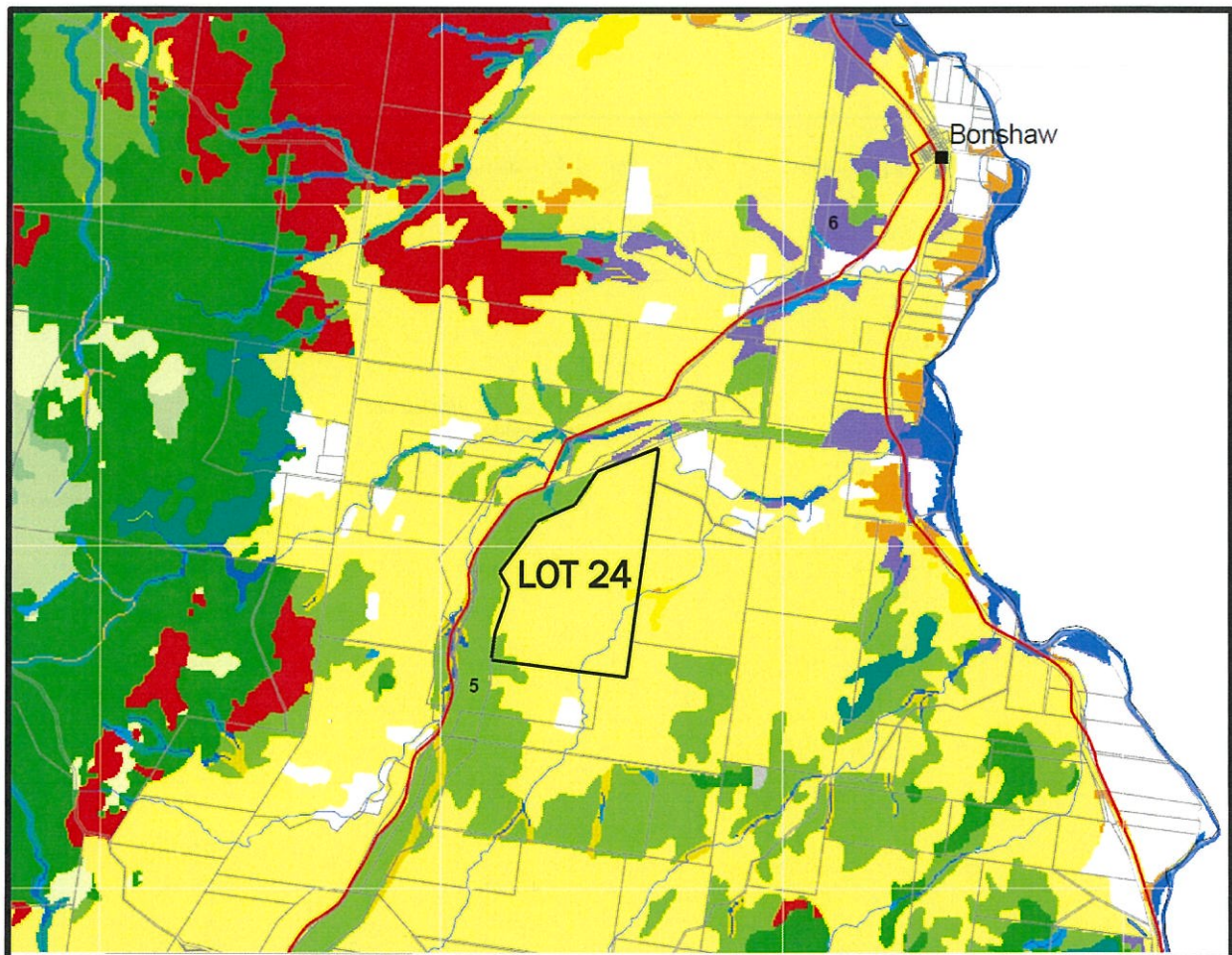
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ATTACHMENT 9

NSW Vegetation Information System Search – VS ID 3794

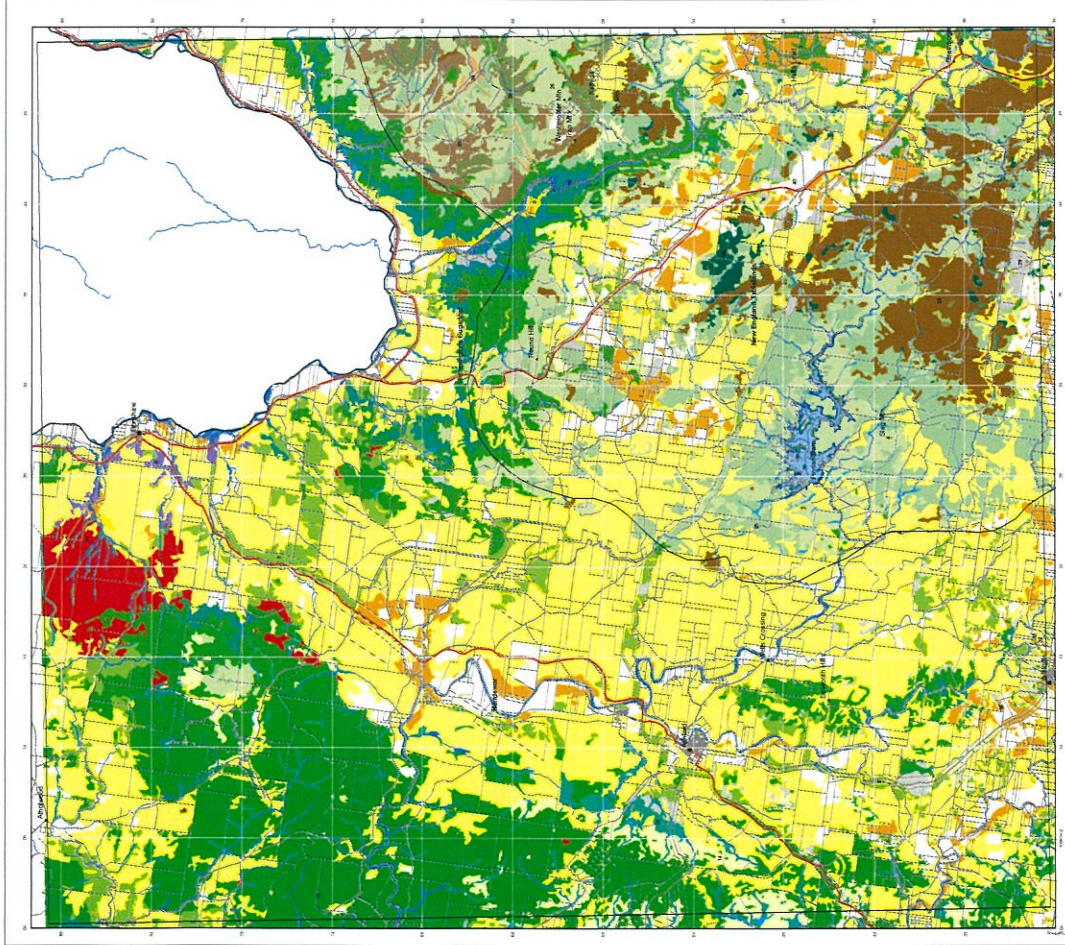
EXTANT NATURAL AND DERIVED VEGETATION – 1:100000 MAP SHEET



Key to Vegetation Communities [within the project Area]

Vegetation Formation	Vegetation Class	RVC Number	Regional Vegetation Community (RVC) Name	LVC Number	Local Vegetation Community (LVC) Name
Grassy Woodlands	Western Slopes Grassy Woodlands	19	White Cypress Pine – Silver-leaved Ironbark grassy woodland, Nandewar	5	White Cypress Pine – Silver-leaved Ironbark grassy woodland of Nandewar Bioregion
Grasslands	Temperate Montane Grasslands	27	Derived Grasslands, New England Tablelands	4	Derived Grassland of low fertility soils of New England Tablelands and Nandewar Bioregions
Grasslands	Western Slopes Grasslands	28	Derived Grasslands, Brigalow Belt South and Nandewar	8	Derived grassland of intermediate fertile soils of Brigalow Belt South Bioregion and western Nandewar Bioregion

EXTANT NATURAL AND DERIVED VEGETATION - ASHFORD 1:100000 MAP SHEET



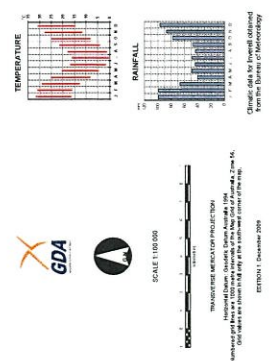
Key to Vegetation Communities

Vegetation Community	Vegetation Community Description	Vegetation Community Code	Vegetation Community Notes	Vegetation Community Distribution	Vegetation Community Reference
1	Forest	1	Forest	Forest	1
2	Grassland	2	Grassland	Grassland	2
3	Open Area	3	Open Area	Open Area	3
4	Water	4	Water	Water	4
5	Urban	5	Urban	Urban	5
6	Other	6	Other	Other	6
7	...	7	7
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58	...	58	58
59	...	59	59
60	...	60	60

Information contained in this map sheet is derived from the following sources:

- VEGETATION DATA: Derived from the Victorian Vegetation Survey (VVS) and the Victorian Vegetation Inventory (VVI).
- TOPOGRAPHY: Derived from the Victorian Topographic Survey (VTS).
- ROADS: Derived from the Victorian Road Network (VRN).
- WATERWAYS: Derived from the Victorian Waterways Survey (VWS).
- BOUNDARIES: Derived from the Victorian Boundary Survey (VBS).

This map sheet is published by the Victorian Government, Department of Environment, Land, Water and Planning, Melbourne, Victoria, Australia.



GDA

SCALE 1:100000

TEMPERATURE-MONITORING PROTECTION

Information on the map sheet is derived from the Victorian Vegetation Survey (VVS) and the Victorian Vegetation Inventory (VVI).

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MACQUARIE UNIVERSITY

Natural Heritage Trusts

Basin Rivers Centre

Environment, Climate Change and Water

ATTACHMENT 10



New South Wales Consolidated Acts

[\[Index\]](#) [\[Table\]](#) [\[Search\]](#) [\[Search this Act\]](#) [\[Notes\]](#) [\[Noteup\]](#) [\[Previous\]](#) [\[Next\]](#) [\[Download\]](#) [\[Help\]](#)

FISHERIES MANAGEMENT ACT 1994 - SCHEDULE 4A

SCHEDULE 4A – Critically endangered species and ecological communities

(Section 220C)

Part 1 – Critically endangered species

Fish

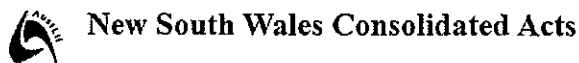
* <i>Carcharias taurus</i> Rafinesque, 1810	Greynurse Shark
* <i>Craterocephalus fluviatilis</i> (McCulloch, 1913)	Murray Hardyhead
<i>Euastacus dharawalus</i> (Morgan, 1997)	Fitzroy Falls Spiny Crayfish
<i>Galaxias rostratus</i>	Flathead Galaxias
<i>Galaxias tantangara</i> (Raadik, 2014)	Stocky Galaxias
<i>Notopala hanleyi</i> (Frauenfeld, 1864)	Hanley's River Snail
<i>Notopala sublineata</i> (Conrad, 1850)	Darling River Snail
<i>Smeagol hilaris</i> Tillier & Ponder, 1992	Marine Slug

Marine vegetation

<i>Nereia lophocladia</i> J. Agardh (1897)	Marine Brown Alga
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Part 2 – Critically endangered ecological communities

Darling Endangered Ecological Community – Fisheries Management Act 1994



New South Wales Consolidated Acts

[\[Index\]](#) [\[Table\]](#) [\[Search\]](#) [\[Search this Act\]](#) [\[Notes\]](#) [\[Noteup\]](#) [\[Previous\]](#) [\[Next\]](#) [\[Download\]](#) [\[Help\]](#)

FISHERIES MANAGEMENT ACT 1994 - SCHEDULE 4

SCHEDULE 4 – Endangered species, populations and ecological communities

(Section 220C)

Part 1 – Endangered species

Fish

Archaeophya adamsi Fraser, 1959	Adam's Emerald Dragonfly
Austrocordulia leonardi	Sydney Hawk Dragonfly
Hippocampus whitei (Bleeker, 1855)	White's Seahorse
* Maccullochella ikei Rowland	Eastern <u>Freshwater</u> Cod
* Maccullochella macquariensis (Cuvier)	Trout Cod
*Macquaria australasica (Cuvier, 1830)	Macquarie Perch
Mogurnda adpersa (Castelnau, 1878)	Southern Purplespotted Gudgeon, Purple Spotted Gudgeon
Nannoperca australis Günther, 1861	Southern Pygmy Perch
* Nannoperca oxleyana Whitley	Oxleyan Pygmy Perch
* Prototroctes maraena (Günther, 1864)	Australian Grayling
Sphyrna lewini (Griffith & Smith, 1834)	Scalloped Hammerhead Shark
Thunnus maccoyii	Southern Bluefin Tuna

Marine vegetation

Part 2 – Endangered populations

Fish


Ambassis agassizii Steindachner, 1866, Agassiz's glassfish, olive perchlet, western New South Wales population
Craterocephalus amniculus (Crowley and Ivanstoff, 1990), Darling River Hardyhead, Hunter River population
Gadopsis marmoratus, river blackfish, Snowy River population
Tandanus tandanus (Mitchell, 1838), freshwater catfish, eel tailed catfish, Murray-Darling Basin population


Marine vegetation

* Posidonia australis Hook. f. (1858), seagrass, Port Hacking, Botany Bay, Sydney Harbour, Pittwater, Brisbane Waters and Lake Macquarie populations

ATTACHMENT 11

Australian Heritage Database : Search as of 18th December 2019

 Australian Government
Department of the Environment and Energy

 Heritage
Australian Heritage Database

You are here: [Environment Home](#) > [Heritage](#) > [Australian Heritage Database](#)

Search Results

No results found.
Enter at least one search criterion.
[Search history](#)

[next search](#)

Search [Reset form](#)

Place name

Street name
bonshaw road

Town or suburb
bonshaw

Country
Australia

State
New South Wales

Place ID number

Class
--All--

Advanced search options

List
All Lists

Different lists will provide different status and class options

Local Government Area

Legal status
--All--

Keyword Search

Description Statement of Significance Place history

Latitude/Longitude

Latitude 1 Longitude 1

Latitude 2 Longitude 2

W E S N

Wholly within region
 Wholly or partially within region

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Improve Your Trades in 5 Easy Steps
Major for your business, increase profits, tips and strategies learned in the CEDE training

<http://www.environment.gov.au/cgi-bin/ahdb/search.pl>

Aboriginal Places & NSW State Heritage Register – no results returned

<https://www.environment.nsw.gov.au/heritageapp/heritagesearch.aspx>

Schedule 14 of National Parks & Wildlife Act 1974 – no relevant result returned

Native Title Search – Inverell Shire Council – no relevant result returned

<http://www.nntt.gov.au/searchRegApps/NativeTitleRegisters/Pages/Search-National-Native-Title-Register.aspx>

Native Title Search – Gomeroi People_ NSD37/2019 Application For Determination

http://www.nntt.gov.au/searchRegApps/NativeTitleRegisters/RNTC%20Extracts/NC2011_006/Map%20of%20the%20area%20covered%20by%20the%20Application.pdf

ATTACHMENT 12

Inverell Local Environmental Plan 2012

[2012-614]



New South Wales

Status information

Currency of version

Current version for 31 October 2019 to date (accessed 18 December 2019 at 10:26)

Legislation on this site is usually updated within 3 working days after a change to the legislation.

Provisions in force

The provisions displayed in this version of the legislation have all commenced. See Historical Notes

Does not include amendments by—

Standard Instrument (Local Environmental Plans) Amendment Order 2019 (620) (not commenced — to commence on 15.1.2020)

State Environmental Planning Policy Amendment (Miscellaneous) 2019 (621) (not commenced — to commence on 15.1.2020)

See also—

Planning Legislation Amendment Bill 2019

Editorial note

The Parliamentary Counsel's Office is progressively updating certain formatting styles in versions of NSW in force legislation published from 29 July 2019. For example, colons are being replaced by em-rules (em-dashes). Text of the legislation is not affected.

This version has been updated.

Authorisation

This version of the legislation is compiled and maintained in a database of legislation by the Parliamentary Counsel's Office and published on the NSW legislation website, and is certified as the form of that legislation that is correct under section 45C of the *Interpretation Act 1987*.

File last modified 13 December 2019.

Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

Schedule 4 Classification and reclassification of public land

(Clause 5.2)

Part 1 Land classified, or reclassified, as operational land—no interests changed

Column 1	Column 2
Locality	Description
Nil	

Part 2 Land classified, or reclassified, as operational land—interests changed

Column 1	Column 2	Column 3
Locality	Description	Any trusts etc not discharged
Nil		

Part 3 Land classified, or reclassified, as community land

Column 1	Column 2
Locality	Description
Nil	

Schedule 5 Environmental heritage

(Clause 5.10)

Part 1 Heritage Items

Locality	Item name	Address	Property description	Significance	Item no
Ashford	Federation shop	21 Albury Street	Lot 1, DP 18246	Local	I002
Ashford	Federation shop	23 Albury Street	Lot 6, DP 221755	Local	I003
Ashford	Federation shop	25 Albury Street	Lot 5, DP 221755	Local	I004
Ashford	Former Bank of NSW	31 Albury Street	Lot 1, DP 318662	Local	I005
Ashford	Former post office	33 Albury Street	Lot 1, DP 1002287	Local	I006
Ashford	Former picture theatre	34 Albury Street	Lot 4, DP 331634	Local	I008
Ashford	Bakery	35 Albury Street	Lot 2, DP 1002287	Local	I007
Ashford	Strand shop	36 Albury Street	Lot 3, DP 331634	Local	I009
Ashford	Chemist shop	38 Albury Street	Lot 2, DP 331634	Local	I010

Inverell Local Environmental Plan 2012 [NSW]

Ashford	Commercial hotel	42 Albury Street	Lot 2, DP 340134	Local	I011
Ashford	Former butcher's shop	44 Albury Street	Lot 1, DP 122034	Local	I012
Ashford	General shop	46 Albury Street	Lot 1, Section 28, DP 758036	Local	I013
Ashford	Ashford Cemetery	Ashford Cemetery Road	Lot 1, DP 1105851; Lot 1, DP 1105850; Lots 7303 and 7304, DP 1152230; Lot 1, DP 1105852	Local	I014
Ashford	Cafe	48 Martyn Street	Lot 9, Section 7, DP 758036	Local	I015
Ashford	Ashford Courthouse	52 Martyn Street	Lot 2, Section 29, DP 758036	Local	I016
Bonshaw	Bonshaw Cemetery	Spark Street	Lot 7006, DP 1028600	Local	I019
Bonshaw	Church	10986 Bruxner Highway	Lot 6, Section 2, DP 758132	Local	I018
Bonshaw	Memorial hall	Miller Street	Lot 8, Section 4, DP 752832; Lot 1, DP 319898	Local	I021
Bukkulla	Dinton Vale Private Cemetery	Ashford Road	Lot 1, DP 913483	Local	I025
Bukkulla	Greenways Private Cemetery	2790 Ashford Road	Lot 1, DP 1016373	Local	I022
Bukkulla	Bukkulla Station Private Cemetery	3085 Ashford Road	Lot 2, DP 1062633	Local	I023
Bukkulla	Bukkulla Station	3103 Ashford Road	Lot 1, DP 1062633	Local	I026
Bukkulla	Post office and general store	3412 Ashford Road	Lot 2, DP 302529	Local	I024
Bukkulla	Macintyre Homestead	86 Macintyre Station Road	Lot 1, DP 1100591	Local	I027
Delungra	Delungra Cemetery	Delungra Cemetery Road	Lot 7006, DP 1020936	Local	I028
Delungra	Gunnee Station	523 Delungra Road	Lot 231, DP 751094	Local	I034
Delungra	Catholic church	Gunnee Street	Lot 9, DP 248013	Local	I030
Delungra	Post office	Inverell Street	Lot 3, DP 746312	Local	I032
Delungra	Presbyterian church	72 Inverell Street	Lot 5, Section 12, DP 758348	Local	I031
Delungra	Anglican church	25 Railway Street	Lot 19, Section 11, DP 758348	Local	I033
Elsmore	Elsmore Cemetery	Elsmore Road	Lots 7300 and 7301, DP 1136163	Local	I037

Inverell Local Environmental Plan 2012 [NSW]

Elsmore	Newstead Station group	Elsmore Road	Lot 8, DP 1015844	Local	I039
Elsmore	Memorial hall	1181 Elsmore Road	Lot 143, DP 753258	Local	I036
Elsmore	Elsmore Tin Mine	1300 Elsmore Road	Lots 46, 49–54 and 56–59, DP 753258	Local	I038
Gilgai	All Saints Church	18 Church Street	Lot 293, DP 753271	Local	I041
Gilgai	War memorial	Marsh Street	Lot 49, DP 753271	Local	I042
Gilgai	Gilgai School	28 Schwenkes Lane	Lot 5, DP 753271	Local	I044
Gilgai	Gilgai Cemetery	57 Schwenkes Lane	Lot 3, DP 1083416	Local	I043
Graman	Memorial hall	4 Graman Road	Lot 100, DP 750095	Local	I045
Graman	Graman Cemetery	Yetman Road	Lot 7307, DP 1156921	Local	I046
Graman	Kulki Winery	3531 Yetman Road	Lot 2, DP 750115	Local	I047
Graman	Kulki Homestead	3531 Yetman Road	Lot 2, DP 750115	Local	I048
Gum Flat	Gum Flat Hall	956 Copeton Dam Road	Lots 72 and 170, DP 754840	Local	I049
Gum Flat	Gum Flat Cemetery	965 Copeton Dam Road	Lot 7302, DP 1154677; Lot 7008, DP 1125100	Local	I050
Inverell	Federation house	3 Allambie Crescent	Lot 7, DP 249512	Local	I053
Inverell	Late Victorian residence	1 Andrew Street	Lot 2, DP 315648	Local	I054
Inverell	Late Victorian residence	3 Andrew Street	Lot 1, DP 315648	Local	I055
Inverell	Federation residence	5 Andrew Street	Lot 6, DP 1119613	Local	I056
Inverell	Inverell Cemetery	245 Ashford Road	Lot 1, DP 316423; Lot 1, DP 179653; Lot 2, DP 179652; Lot 1, DP 533555; Lot 1, DP 650658; Lot 1, DP 650659; Lot 1, DP 650660; Lot 2, DP 738104; Lots 7336 and 7337, DP 1144718	Local	I058
Inverell	Weranga	526 Ashford Road	Lot 1, DP 68258	Local	I059
Inverell	Inverell Station and outbuildings, including windmill	558 Ashford Road	Lot 269, DP 63613	Local	I061
Inverell	Federation residence, "Currah"	52–54 Auburn Vale Road	Lot 6, DP 245869	Local	I062
Inverell	Blair Athol Estate	37 Blair Athol Road	Lot 1, DP 380114	Local	I118
Inverell	Federation residence	1–3 Brae Street	Lot 3, DP 1038269	Local	I065

Inverell Local Environmental Plan 2012 [NSW]

Inverell	Postmans Cottage	6 Brae Street	Lot 1, DP 1076417	Local	I066
Inverell	Residence	22 Brae Street	Lot B, DP 362548	Local	I067
Inverell	Residence	26–28 Brae Street	Lot 1, DP 553303	Local	I068
Inverell	Residence, “Oban”	27 Brae Street	Lot 1, DP 1035403	Local	I069
Inverell	Residence	32 Brae Street	Lot 2, DP 166790	Local	I070
Inverell	Residence	34 Brae Street	Lot 1, DP 166790	Local	I071
Inverell	Residence	36 Brae Street	Lot 11, DP 653842	Local	I072
Inverell	Residence	38 Brae Street	Lot A, DP 417434	Local	I073
Inverell	Residence	40 Brae Street	Lot B, DP 945749; Lot B, DP 417434	Local	I074
Inverell	Residence	42 Brae Street	Lots 6 and 7, DP 300645	Local	I075
Inverell	Residence	44 Brae Street	Lot 5, DP 300645	Local	I076
Inverell	Residence	46 Brae Street	Lot 1, DP 166863	Local	I077
Inverell	Residence	48 Brae Street	Lot 8, DP 667399	Local	I078
Inverell	Residence	50 Brae Street	Lots 1 and 2, DP 590552	Local	I079
Inverell	Residence	54 Brae Street	Lot 13C, DP 369217	Local	I060
Inverell	Inverell High School	70–92 Brae Street	Lot 1, DP 782396	Local	I080
Inverell	Former brewery	2 Brewery Street	Part of Lot 4, DP 233354	Local	I081
Inverell	Ross Hill Presbyterian church and hall	16–20 Brown Street	Lots 2 and 3, Section 12, DP 4298	Local	I057
Inverell	Byron Station	330 Byron Station Lane	Lot 29, DP 5293	Local	I064
Inverell	Victorian post box	Corner of Byron and Otho Streets	Road reserve	Local	I093
Inverell	Empire Hotel	1–7 Byron Street	Lot 1, DP 62007	Local	I082
Inverell	Inverell Hotel	25–31 Byron Street	Lot 2, DP 232418	Local	I083
Inverell	Imperial Hotel	33–39 Byron Street	Lot 2, DP 259551	Local	I084
Inverell	Half Case Store/Best & Less	53–61 Byron Street	Lots 1 and 2, DP 222198	Local	I085
Inverell	Former Inverell Shire Council building	56 Byron Street	Lot 2, DP 226595	State	I086
Inverell	Premier Mitre 10 store	72–82 Byron Street	Lot 1, DP 531221	Local	I087
Inverell	Australian Hotel	81–91 Byron Street	Lot 2, DP 153872	Local	I088

Inverell Local Environmental Plan 2012 [NSW]

Inverell	Hong Yuen & Co	101–103 Byron Street	Lot 2, DP 1036159; Lot 2, DP 1149104; Lot 5, DP 543911	Local	1089
Inverell	Victorian timber shops	143–147 Byron Street	Lot 1, DP 1149224	Local	1090
Inverell	Cottage	232 Byron Street	Lot 3, DP 1106050	Local	1091
Inverell	Former Austral Band Hall	Campbell Street	Part of Lot 86, DP 1152042	Local	1095
Inverell	Residence, “Riverside”	72 Campbell Street	Lot 1, DP 153298	Local	1094
Inverell	Residence	3 Chester Street	Lot 1, DP 326225	Local	1096
Inverell	Residence	19 Chester Street	Lot 3B, DP 382478	Local	1097
Inverell	Residence	38 Chester Street	Lot 10A, DP 100511	Local	1098
Inverell	Residence, “The Grange”	11–13 Clive Street	Lot 4, DP 976586; Lot 11, DP 24045; Lot 1, DP 742117	Local	1099
Inverell	Residence	3 Davey Street	Lot 4, DP 848726	Local	1100
Inverell	Residence, “Illawarra”	5 Davey Street	Lot 3, DP 848726	Local	1101
Inverell	Inverell Memorial Pool	Evans Street	Part of Lot 85, DP 1151983	Local	1107
Inverell	War memorial	Evans Street	Part of Lot 85, DP 1151983	Local	1108
Inverell	Inverell Club	1–3 Evans Street	Lots 7–12 and 15, Section 79, DP 758536	Local	1102
Inverell	Butler Hall	5–7 Evans Street	Lot 14 and Part of Lot 2, Section 79, DP 758536	Local	1104
Inverell	Former School of Arts	5–7 Evans Street	Part of Lot 2, Section 79, DP 758536	Local	1105
Inverell	Inverell Town Hall	5–7 Evans Street (corner of Otho Street)	Lots 1 and 3, Section 79, DP 758536	Local	1106
Inverell	Residence	110 Evans Street	Lot 3, DP 6307	Local	1103
Inverell	Residence, “Golden Grove”	52 George Street	Lot 2, DP 521939	Local	1109
Inverell	Inter war offices	1–3 Glen Innes Road	Lot 1, Section 84, DP 758536	Local	1110
Inverell	Residence	9–11 Granville Street	Lots 1 and 2, DP 1078194	Local	1111
Inverell	Residence	22 Granville Street	Lot 8, DP 1050216	Local	1112
Inverell	Residence	24 Granville Street	Lot 1, DP 313585	Local	1113
Inverell	Residence	45 Granville Street	Lot 4A, DP 361549	Local	1114

Inverell Local Environmental Plan 2012 [NSW]

Inverell	Mid-Victorian cottage	7 Greaves Street	Lot 2, DP 667999	Local	I115
Inverell	Residence	20 Greaves Street	Lot 3, DP 1111547	Local	I116
Inverell	Fernhill	7374 Gwydir Highway	Lot 2, DP 536185	Local	I117
Inverell	Residence	45 Henderson Street	Lot 1, DP 368350	Local	I119
Inverell	Residence	53 Henderson Street	Lot 1, DP 908001; Lot 1, DP 125161	Local	I120
Inverell	Residence	71 Henderson Street	Lot 1, DP 332829	Local	I122
Inverell	Residence, "St Kilda"	12-14 High Street	Lot 1, DP 1041125; Lot 1, Section 6, DP 1707	Local	I123
Inverell	Residence	24 High Street	Lots 5 and 6, Section 7, DP 1707	Local	I124
Inverell	Residence, "Altenham"	10 Lauder Street	Lot 37, DP 241492	Local	I125
Inverell	Residence	11 Mitchell Crescent	Lots B and C, DP 188005	Local	I126
Inverell	Commercial building	17-19 Otho Street	Lot 1, DP 951322	Local	I128
Inverell	Grove House	21-25 Otho Street	Lots 1-3, DP 234785	Local	I129
Inverell	Inter war commercial building	26-28 Otho Street	Lot 1, DP 783949	Local	I130
Inverell	Argus House	27-29 Otho Street	Lot 1, DP 68983	Local	I131
Inverell	Inter war commercial building	30-32 Otho Street	Lot 1, DP 186524	Local	I132
Inverell	Otho Centre	33 Otho Street	SP 22149; Lot 1, DP 705887	Local	I134
Inverell	Former chemist	36-38 Otho Street	Lot 1, DP 658942	Local	I135
Inverell	Federation shop	39 Otho Street	Lot 3, DP 70406	Local	I136
Inverell	Federation commercial building	43 Otho Street	SP 31821	Local	I137
Inverell	Victorian commercial building	44 Otho Street	Lot A, DP 373671	Local	I138
Inverell	Former Rialto Theatre	45 Otho Street	Lot 1, DP 72321	Local	I139
Inverell	Nesbitt's	48-50 Otho Street	Lot B, DP 373671	Local	I140
Inverell	"Jindabyne House"	52-66 Otho Street	Lot 1, DP 200075; Lot 1, DP 618727; Lots 6 and 7, DP 717814; Lots 3-5, DP 236513	Local	I141
Inverell	Oxford Hotel	61-67 Otho Street	Lot 1, DP 745239	Local	I142
Inverell	Late Victorian commercial building	68-72 Otho Street	Lots 3 and 4, DP 1011010	Local	I143

Inverell Local Environmental Plan 2012 [NSW]

Inverell	St Elmo Chambers	69-71 Otho Street	Lot 1, DP 82586	Local	1144
Inverell	QBE building	73-77 Otho Street	SP 42218	Local	1145
Inverell	Inter war commercial building	78-80 Otho Street	SP 75164	Local	1147
Inverell	Former bank	79-81 Otho Street	Lot 1, DP 66425	Local	1146
Inverell	Phoenix Chambers	82-86 Otho Street	Lots A and B, DP 85085	Local	1148
Inverell	Former National Bank	83-85 Otho Street	Lot 1, DP 194499	Local	1149
Inverell	Byron Arcade	96 Otho Street	Lots 1 and 2, DP 2388	Local	1150
Inverell	Inverell Post Office	97 Otho Street	Lot 1, DP 774697	State	1159
Inverell	Former Rural Bank	107 Otho Street	Lot 13, Section 79, DP 758536	Local	1151
Inverell	Court house	115-119 Otho Street	Part of Lot 7012, DP 1153744	Local	1160
Inverell	Federation commercial building	126 Otho Street	Lot 2, DP 1046430	Local	1152
Inverell	Building	129-135 Otho Street (corner of Rivers Street)	Part of Lot 1, DP 1153393	Local	1153
Inverell	Colonial Mutual Life building	136-138 Otho Street	SP 14473	Local	1154
Inverell	Senior Citizens Club	147 Otho Street	Lot 7C, DP 157849	Local	1155
Inverell	Masonic Lodge	166 Otho Street	Lots 21 and 22, DP 1126017	Local	1156
Inverell	Inverell Ambulance Station	172 Otho Street	Lot A, DP 156236	Local	1157
Inverell	Town and Country Club	174 Otho Street	Lot B, DP 156236	Local	1158
Inverell	Former Millenium Flour Mill	2 Ring Street	Lots 6-10, DP 770443; Lot 1, DP 160845	Local	1161
Inverell	Police residence	4 Rivers Street (corner Campbell and Rivers Streets)	Part of Lot 7012, DP 1153744	Local	1163
Inverell	Anglican rectory	31 Rivers Street	Lot 1, Section 25, DP 758536	Local	1165
Inverell	St Augustine's Anglican Church	31 Rivers Street	Lot 2, Section 25, DP 758536	Local	1164
Inverell	Uniting church	Ross Street	Lot 3, Section 24, DP 758536; Lot 4, DP 668044	Local	1166
Inverell	Residence	1 Ross Street	Lot 1, DP 327142	Local	1167

Inverell Local Environmental Plan 2012 [NSW]

Inverell	Residence	2A Ross Street	Lot 2, DP 791784	Local	I168
Inverell	Inverell Hospital	41–61 Swanbrook Road	Lots 271, 314 and 367, DP 753287	Local	I171
Inverell	Warana	227 Swanbrook Road	Lot 1, DP 1070932	Local	I172
Inverell	Showground gates	Tingha Road	Part of Lot 7051, DP 94910	Local	I176
Inverell	Residence	29 Urabatta Street	Lot 19, Section 7, DP 1707	Local	I177
Inverell	Residence	31 Urabatta Street	Lot 18, Section 7, DP 1707	Local	I178
Inverell	Residence	39 Urabatta Street	Lots 1 and 2, DP 541489	Local	I179
Inverell	Residence	41 Urabatta Street	Lot 24, Section 8, DP 1707	Local	I180
Inverell	Residence	43–45 Urabatta Street	Lots 22 and 23, Section 8, DP 1707	Local	I181
Inverell	Residence	53 Urabatta Street	Lot 2, DP 1002680	Local	I182
Inverell	Residence	55 Urabatta Street	Lot 1, DP 1002680	Local	I183
Inverell	Rosenstein Winery	23 Vintage Close	Lot 18, DP 716360	Local	I184
Inverell	Salvation Army	35 Vivian Street	Lot 1, DP 1091406; Lot B, DP 349840	Local	I185
Inverell	Former public hall	47 Vivian Street	Lot 1, DP 71686	Local	I188
Inverell	Residence	67 Vivian Street	Lot 2, DP 600773	Local	I186
Inverell	Ireby Lodge	69 Vivian Street	Lot 1, DP 600773	Local	I187
Inverell	St Andrew's Presbyterian Church	94 Vivian Street (corner of Granville Street)	Lots 1 and 2, Section 71, DP 758536	Local	I189
Inverell	Palo Alto	70 Warialda Road	Lot 1, DP 526403; Lot 6C, DP 28987	Local	I190
Inverell	Belgravia School	22–30 Wood Street	Lot 1, Section 29, DP 758536	Local	I169
Inverell	Belgravia School tuck shop	22–30 Wood Street	Lot 1, Section 29, DP 758536	Local	I170
Inverell (Oakwood)	Bannockburn	2145 Yetman Road	Lot 238, DP 750068	Local	I063
Kings Plains	Kings Plains Castle	4171 Kings Plains Road	Lot 1, DP 750076	Local	I191
Long Plain	Memorial hall	5 Long Plain Lane	Lots 84, 178 and 185, DP 753269	Local	I192

Myall Creek	Myall Creek Station	2450 Bingara Road	Lots 7, 8, 10 and 11, DP 112807; Lots 1-6, DP 456606; Lots 50-54, 57-59 and 220, DP 754827	Local	I035
Nullamanna	Nullamanna Cemetery	Nullamanna Road	Lot 1, DP 314058	Local	I193
Oakwood	Bannockburn Cemetery	Yetman Road	Lot 7006, DP 1000809; Lot 7304, DP 1151527	Local	I194
Wallangra	Memorial hall	6647 Yetman Road	Lot 27, DP 750085	Local	I196
Wallangra	Wallangra Homestead	6755 Yetman Road	Lot 13, DP 131030	Local	I195
Yetman	Yetman Cemetery	Bruxner Highway	Lots 1 and 2, DP 1041019; Lot 3, DP 668265; Lot 7303, DP 1155906	Local	I198
Yetman	St Andrew's Anglican Church	42-44 Warialda Street	Lots 4 and 5, Section 6, DP 759142	Local	I199
Yetman	Memorial hall	82-84 Warialda Street	Lot 1, Section 1, DP 759142	Local	I200
Yetman	Yetman Station	185 Warialda Street	Lot 58, DP 750129	Local	I202

Part 2 Heritage conservation areas

Name of heritage conservation area	Identification on Heritage Map	Significance
Ashford Town Centre Conservation Area	Shown by a red outline with red hatching and labelled "C001"	Local
Belgravia Conservation Area	Shown by a red outline with red hatching and labelled "C002"	Local
Inverell CBD Conservation Area	Shown by a red outline with red hatching and labelled "C004"	Local
Pioneer Village Conservation Area	Shown by a red outline with red hatching and labelled "C005"	Local
Ross Hill Conservation Area	Shown by a red outline with red hatching and labelled "C006"	Local

Schedule 6 Pond-based and tank-based aquaculture

(Clause 5.19)

Part 1 Pond-based and tank-based aquaculture

Division 1 Site location requirements

1 Conservation exclusion zones

- (1) Must not be carried out on the following land, except to the extent necessary to gain access to

ATTACHMENT 13



Office of
Environment
& Heritage

AHIMS Web Services (AWS) Search Result

Purchase Order/Reference : Halo 1

Client Service ID : 473522

Nicholas Assef

Suite 3, Level 39, 88 Phillip Street, Aurora Place
Sydney New South Wales 2000

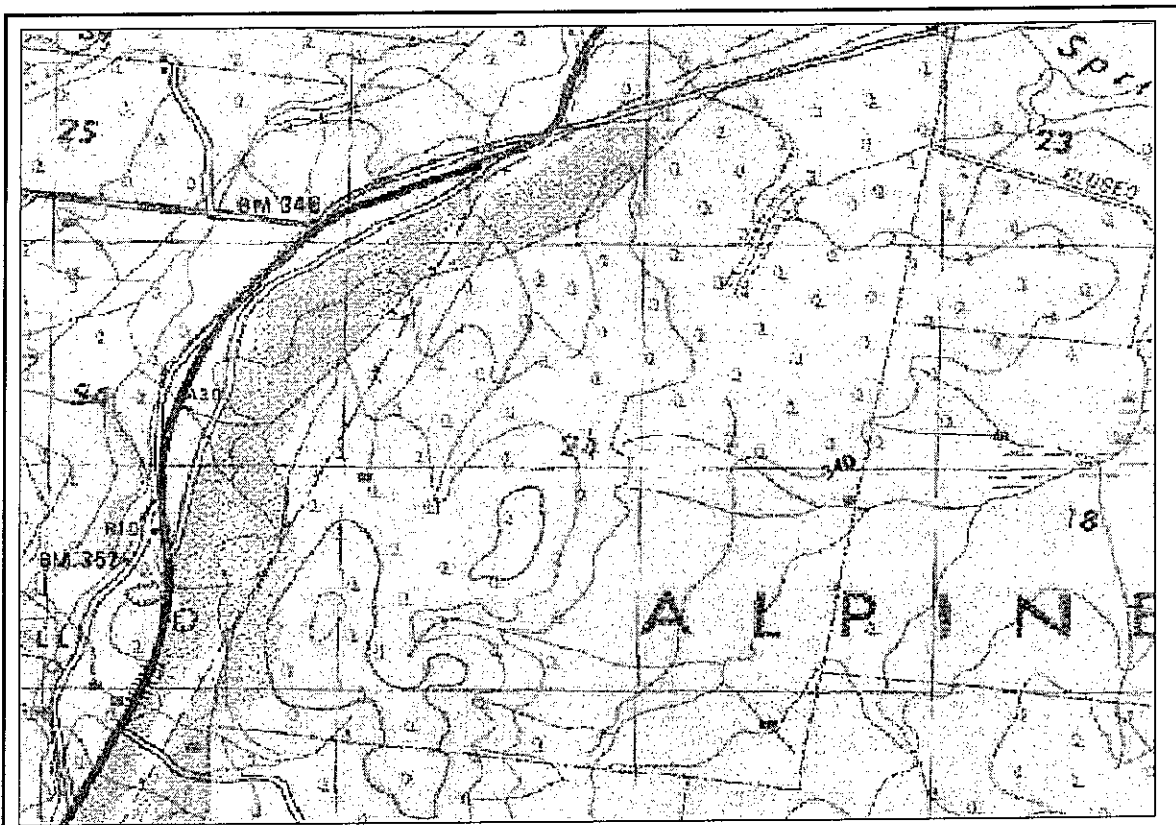
Attention: Nicholas Assef

Email: naa@lccapac.com

Dear Sir or Madam:

AHIMS Web Service search for the following area at Lot : 24, DP:DP750061 with a Buffer of 50 meters.
Additional Info : Desktop research, conducted by Nicholas Assef on 18 December 2019.

The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of the Office of the Environment and Heritage AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

2	Aboriginal sites are recorded in or near the above location.
0	Aboriginal places have been declared in or near the above location. *

Date: 18 December 2019

If your search shows Aboriginal sites or places what should you do?

- You must do an **extensive search** if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the NSW Government Gazette (<http://www.nsw.gov.au/gazette>) website. Gazettal notices published prior to 2001 can be obtained from Office of Environment and Heritage's Aboriginal Heritage Information Unit upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Office of Environment and Heritage and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.



SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
11-3-0043	S17	AGD	56	327540	6779141	Open site	Valid	Artefact :-	Isolated Find	
Contact										
11-3-0034	S16	AGD	56	327400	6779370	Open site	Valid	Artefact :-	Isolated Find	
Contact										
				Robert Paton						Permits
				Robert Paton						Permits

ATTACHMENT 14

Report generated by AHIMS Web Service on 15/08/2019 for Simor Mathis for the following area at Lot : 24, DP:DP750061 with a Buffer of 200 meters. Additional Info : As above. Number of Aboriginal sites and Aboriginal objects found is 2

This information is not guaranteed to be free from error omission. Office of Environment and Heritage (NSW) and its employees disclaim liability for any act done or omission made on the information and consequences of such acts or omission.

ATTACHMENT 15

New recording

Additional info



National Parks and Wildlife Service

Box 1867, Hurstville NSW 2220. Tel: (02) 585 6444
Standard Site Recording Form Revised 3/88



11-3-0034

1:250,000 map sheet: <u>TEXAS: 9140</u>		NPWS Code
AMG Grid reference <u>032740</u> mE <u>6779370</u> mN Full reference - please include leading digits Scale of map used for grid reference <input checked="" type="checkbox"/> 25K, 50K (preferred) <input type="checkbox"/> 100K <input type="checkbox"/> 250K Please use largest scale available 1:25K, 50K, 100K map name: <u>Bonshaw 9139</u>		HEAD OFFICE USE ONLY: NPWS Site no: <u>11-3-0034</u> Site types Accessed by: <u>NL</u> Date: <u>25/7/00</u> Date entered by: <u>NL</u> Date: <u>25/7/00</u> Owner/Manager <u>RJ MARYNS</u> Address:
Site name: <u>S16</u> Locality/property name: <u>Riverstone</u> NPWS District: <u>Coffs Harbour</u> Region: <u>Northern Tablelands</u>		07 4653177
Reason for investigation <u>Proposed Interconnector From Queensland Border to Armidale</u> <u>See Attached Map</u>		
Portion no: <u>2</u> Parish: <u>Barrman</u>		Photos taken? <u>No</u> How many attached?
How to get to the site (refer to permanent features, give best approach to site eg from above, below, along cliff (Draw diagram on separate sheet)) <u>To Be Attached</u>		
Other sites in locality? <u>YES</u> Are sites in NPWS Register? <u>NO</u>		Site Types include: <u>Contact sites, isolated Artefact</u>
Have artefacts been removed from site? <u>No</u> By whom?		When? Deposited where?
Is site important to local Aborigines? <u>Yes</u> Give contact(s) name(s) + address(es) <u>See Attached list</u>		
Contacted for this recording? <u>Yes</u> (Attach additional information separately) If not, why not?		
Verbal/written reference sources (including full title of accompanying report) <u>National Grid Transmission Line, Indigenous Heritage Management Plan, Section A, Q.L.D. Border to Dumaresq Sub-Station, R. Paton Archaeological Studies 19/6 July 1999</u>		NPWS Report Catalogue #
Checklist surface visibility, damage or disturbance/ threat to site	Condition of site <u>See Attached</u>	
Recommendations for management & protection (attach separate sheet if necessary) <u>See Attached</u>		
Site recorded by: <u>R. Paton</u> Address/institution: <u>14 Fenton St</u> <u>Downer A.C.T. 2602</u>		Date: <u>June 99</u>

SITE POSITION & ENVIRONMENT

OFFICE USE ONLY: NPWS site no:

1. Land form a. beach/hill slope/ridge top, etc: *Flat*

b. site aspect:

c. slope:

d. mark on diagram provided or on your own sketch the position of the site:

e. Describe briefly:

See Attached



1. Local rock type: *Granite -> Basalt*

g. Land use/effect: *farming*

2. Distance from drinking water: *3.5 km*

Source: *Ephemeral Creek*

3. Resource Zone associated with site (estuaries, riverine, forest etc): *Open Forest*

4. Vegetation: *Cleared - Sclerophyll*

5. Edible plants noted: *None Noted*

6. Faunal resources (include shellfish): *Kangaroo, wallaby*

7. Other exploitable resources (river pebbles, ochre, etc): *none noted*

Site type:

*Isolated
Artefact
516*

DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

See Attached

CHECKLIST TO HELP:

length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock.

DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types.

ART area of surface decorated, motifs, colours, wet, dry pigment, technique of engraving, no. of figures, sizes, patination.

BURIALS: number & condition of bone, position, age, sex, associated artefacts.

TREES: number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth.

QUARRIES rock type, scars, recognisable artefacts, percentage quarried.

OTHER SITES EG. structures (fish traps, stone arrangements, bone rings, ma ma's), mythological sites, rock holes, engraved groove channels, contact sites (missions massacres cemeteries) as appropriate.

Attach sketches etc, eg. plan & section of shelter, show relation between site contents, indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.

SITE S16

Survey Area: Area A

Site Type: Isolated find.

Grid Reference: 0327469E 6779372N

Environmental Setting: The site is situated on a flat area in a paddock. The area has been cleared of vegetation.

Site Aspect: Flat.

Site Size: N/A.

Visibility: 90 percent visibility at the site due to disturbance caused by farming practices. This decreases to about 5 percent visibility 100 metres away from the centre of the site.

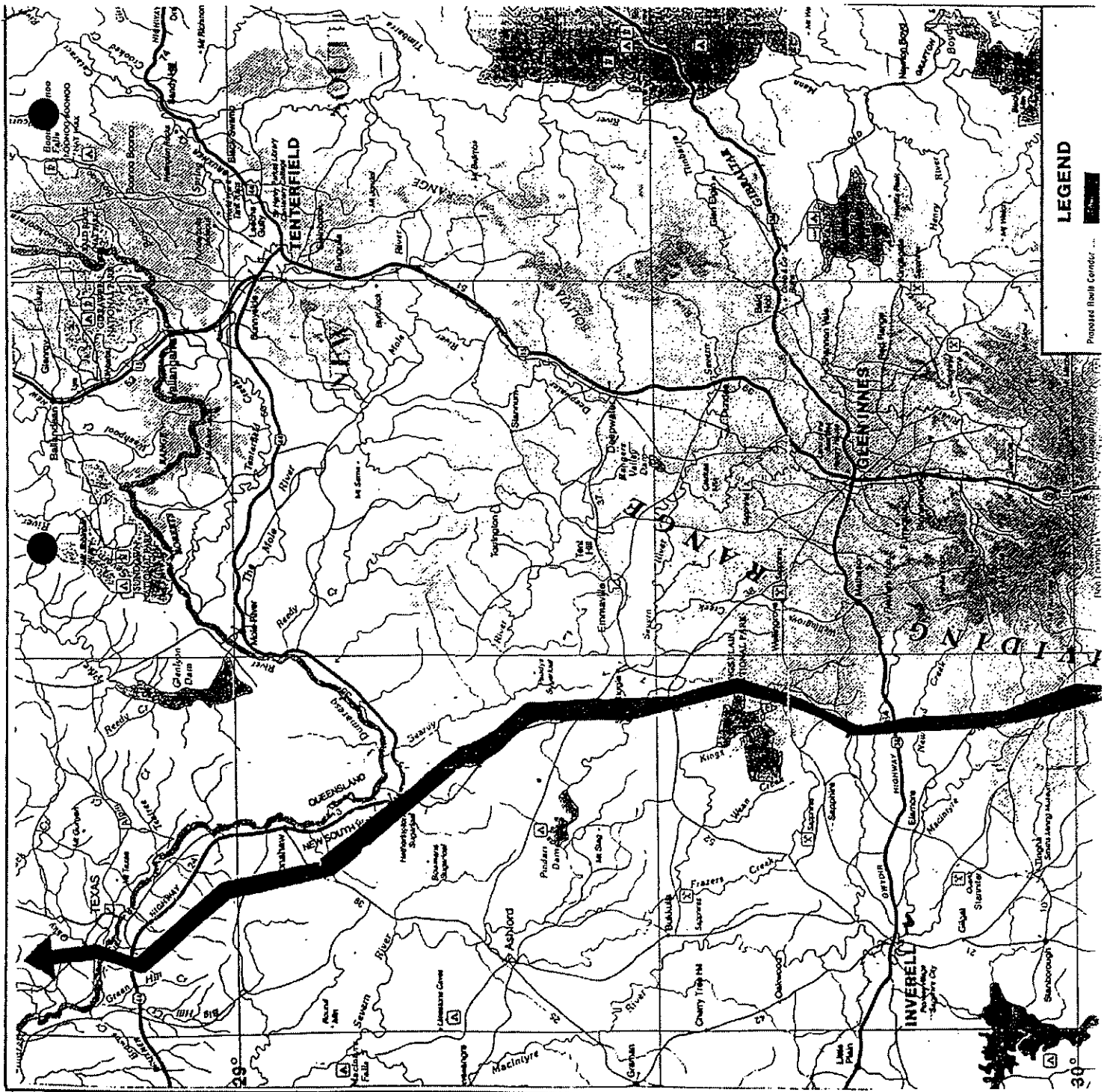
Site Contents: The site consists of 1 stone artefact.

No.	Type	Raw Mat	L(mm)	B(mm)	W(mm)	others
1	Flake	FGV	12	10	5	

Site Condition: The site has been slightly disturbed by farming practices.

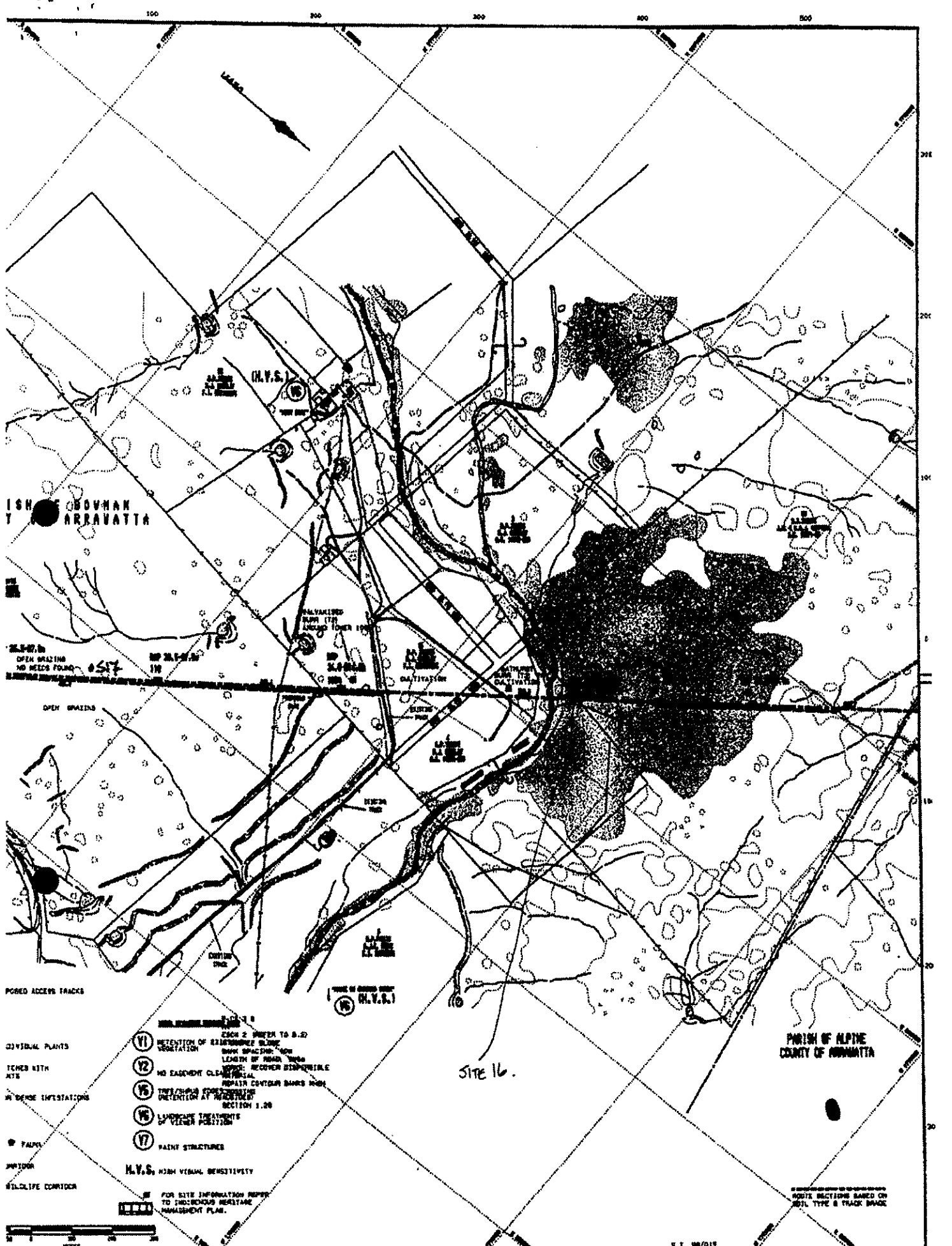
Scientific Significance: Very Low.

Management Considerations: This site is estimated to be located about 50 metres from the present easement and no ameliorative measures are necessary to mitigate impact. Nevertheless the site should be registered on work plans and the area should be avoided during construction, by the placement of a temporary marker at the site. This site will need to be located more accurately by GPS.



LEGEND

Proposed Inverell Center ...



ISHOBVHAN
YARRAVATTA

OPEN GRAZING
NO HELDS FOUND

OPEN GRAZING

PORED ACCESS TRACKS

CONIFER PLANTS
TREES WITH
ATE
W/ DENSE INFESTATION

FAUNA
MAYBORN
WILDLIFE CORRIDOR

- (V1) RETENTION OF EXISTING SLINGS
- (V2) NO EASMENT CLEARANCE
- (V3) TREE/SHrub COEXISTENCE
- (V4) LANDSCAPE TREATMENT
- (V5) PAINT STRUCTURES

H.V.S. HIGH VISUAL SENSITIVITY

FOR SITE INFORMATION REFER TO DISCREET NESTING MANAGEMENT PLAN.

H.V.S. (H.V.S.)

Site 16.

PORTION OF ALPINE COUNTY OF ARIZONA

ROUTE SECTIONS BASED ON 80% TYPE B TRACK BACK



THE
PROPERTY OWNERS OF THIS
PLAN ARE APPROVED ONLY

DESIGN AND
CONSTRUCTION
300KV TRANSMISSION LINE
ROUTE PLAN

DATE	BY	SCALE

DATE	BY	SCALE

APPROVED

PROJECT NO.	DATE

ATTACHMENT 16

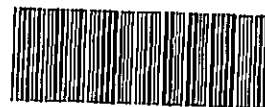
New recording

Additional Info



National Parks and Wildlife Service

Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444
Standard Site Recording Form Revised 3/88



11-3-0043

1:250,000 map sheet: TEXAS 9140 NPWS Code 111

AMG Grid reference 032754 mE 6779141 mN
Full reference - please include leading zeros
E: 0327540 N: 6779141

Scale of map used for grid reference 1:25K, 50K (preferred) 1:100K 1:250K
Please use largest scale available
HANDHELD G.P.S.

1:25K, 50K, 100K map name: Bonshaw 9139

HEAD OFFICE USE ONLY:

NPWS Site no: 11-3-0043

Site types

Accessioned by: NK Date: 25/1/00

Date entered by: NK Date: 25/1/00

Owner/Manager
PJ MAYNE
Address:

Site name: S17 Locality/property name: Riverstone

NPWS District: Coffs Harbour Region: Northern Tablelands 07 4653177

Reason for investigation: Proposed Interconnector Powerline Grid from QLD Border to Linnedale.
(See attached map)

Portion no: 2
Parish: Bosman

Photos taken? No
How many attached?

How to get to the site (refer to permanent features, give best approach to site eg from above, below, along cliff (Draw diagram on separate sheet))

(Detailed site location map to be attached)

Other sites in locality? Yes Site Types include: Isolated artefact
Are sites in NPWS Register? No

Have artefacts been removed from site? No When?
By whom? Deposited where?

Is site important to local Aborigines? Yes
Give contact(s) name(s) + address(es) see attached list

Contacted for this recording? Yes
(Attach additional information separately) if not, why not?

Verbal/written reference sources (including full title of accompanying report) Interconnector to the National Grid Transmission line. Indigenous Heritage management, Section A, QLD Border to Dumeresq Substation. Robert Paton Archaeological Studies P/L, July 1999. NPWS Report Catalogue #

Checklist surface visibility, damage/disturbance, threat to site
Condition of site See attached.

Recommendations for management & protection (attach separate sheet if necessary) See attached.

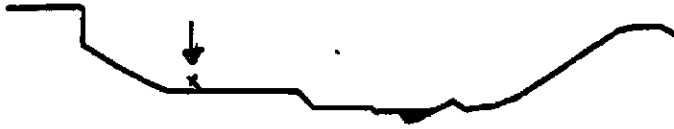
Site recorded by: R. Paton Date: June 1999
Address/institution: 14 Fenton St
Darwin ACT 2602

SITE POSITION & ENVIRONMENT

OFFICE USE ONLY: NPWS site no:

1. Land form a. beach/hill slope/ridge top, etc: *See attached*
 d. mark on diagram provided or on your own sketch the position of the site:

b. site aspect: *See attached* c. slope:
 e. Describe briefly: *See attached*



f. Local rock type: *Basalt* g. Land use/effect: *farming*

2. Distance from drinking water: *Approx 5km* Source: *ephemeral creek*

3. Resource Zone associated with site (estuarine, riverine, forest etc): *forest - now cleared*

4. Vegetation: *mainly cleared. Some sclerophyll species regrowth exotic and native ground covers.*

5. Edible plants noted: *None noted*

6. Faunal resources (include shellfish): *Kangaroo/Wallaby*

7. Other exploitable resources (river pebbles, ochre, etc): *none noted*

Site type:

Isolated find

DESCRIPTION OF SITE & CONTENTS.

Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.

See attached.

CHECKLIST TO HELP:

length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock.

DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types.

ART area of surface decorated, motifs, colours, wet, dry pigment, technique of engraving, no. of figures, sizes, penetration.

BURIALS: number & condition of bone, position, age, sex, associated artefacts.

TREES: number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth

QUARRIES: rock type, debris, recognisable artefacts, percentage quarried.

OTHER SITES EG. structures (fish traps, stone arrangements, bone rings, maa maa), mythological sites, rock holes, engraved groove channels, contact sites (missions massacres cemeteries) as appropriate

Attach sketches etc. eg. plan & section of shelter, show relation between site contents, indicate north, show scale.

Attach annotated photos (stereo where useful) showing scale, particularly for art sites.

SITE S17

Survey Area: Area A

Site Type: Isolated find.

Grid Reference: 0327540E 6779141N

Environmental Setting: The site is situated on a flat area in a paddock. The area has been cleared of vegetation.

Site Aspect: Flat.

Site Size: N/A.

Visibility: 60 percent visibility at the site due to disturbance caused by farming practices. This decreases to about 5 percent visibility 70 metres away from the centre of the site.

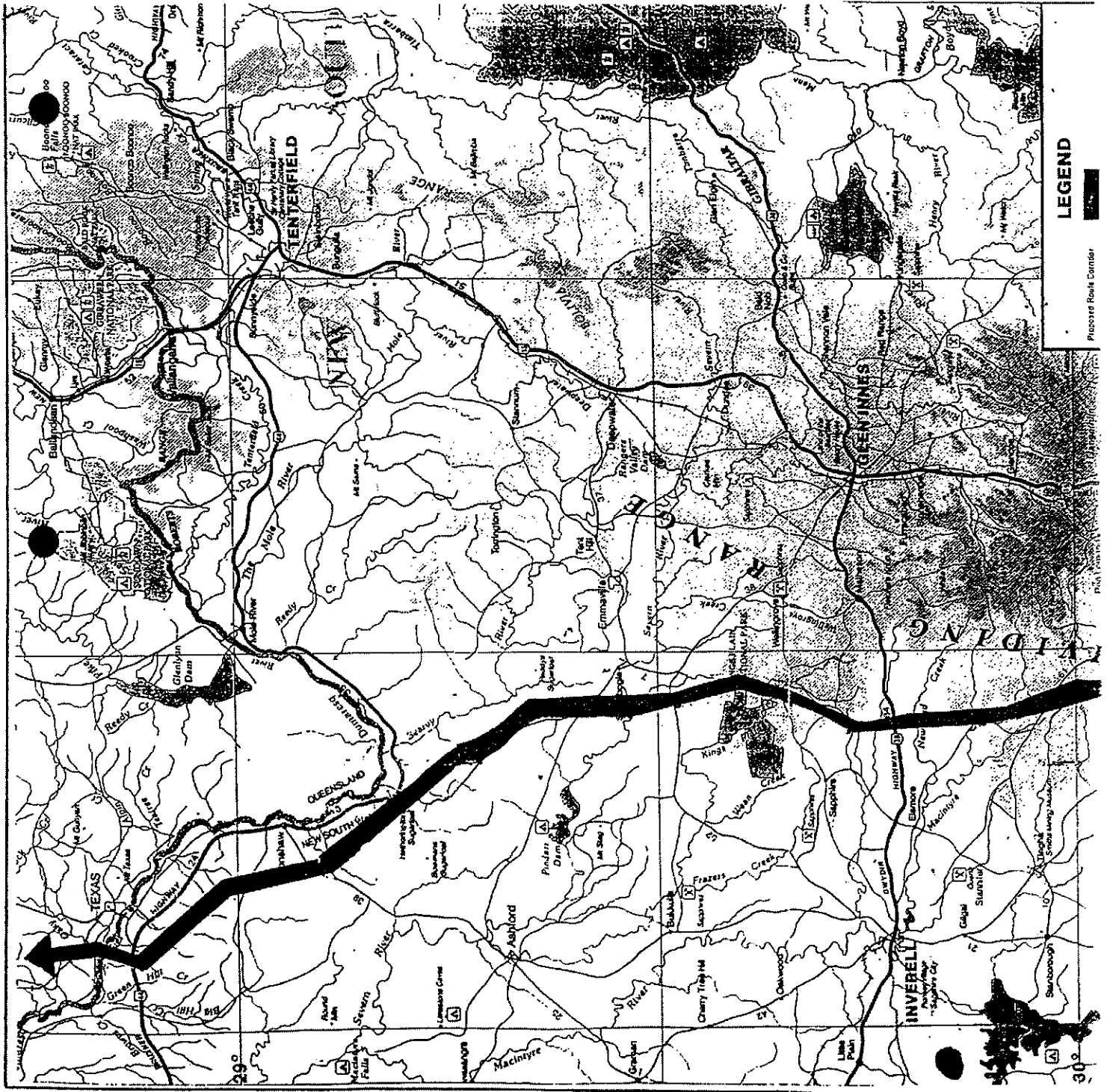
Site Contents: The site consists of 1 stone artefact.

No.	Type	Raw Mat	L(mm)	B(mm)	W(mm)	others
1	Flake	Chert	34	23	7	

Site Condition: The site has been slightly disturbed by farming practices.

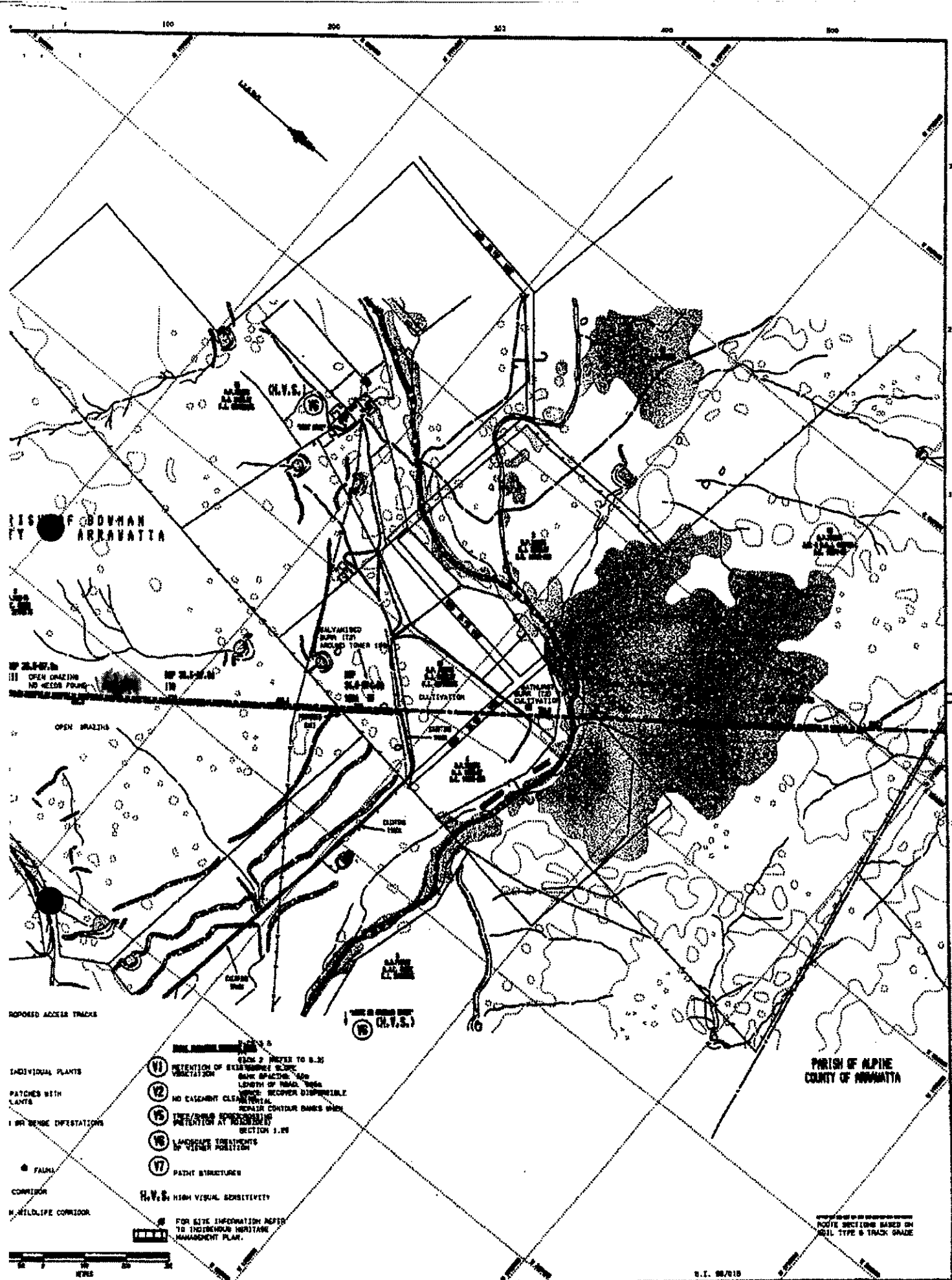
Scientific Significance: Very Low.

Management Considerations: This site is estimated to be located about 40 metres from the present easement and no ameliorative measures are necessary to mitigate impact. Nevertheless the site should be registered on work plans and the area should be avoided during construction, by the placement of a temporary marker at the site. This site will need to be located more accurately by GPS.



LEGEND

Proccore Rock Corner



- LEGEND**
- (V1) RETENTION OF EXISTING VEGETATION
 - (V2) NO CASCAUNT CLEARANCE
 - (V3) TREE/SHRUB REMOVAL
 - (V4) LANDSCAPE TREATMENTS
 - (V5) PAINT STRUCTURES
- H.V.S. HIGH VISUAL SENSITIVITY**

FOR SITE INFORMATION REFER TO INDIVIDUAL WORKSHEET MANAGEMENT PLAN.

PARISH OF ALPINE
COUNTY OF ANAPOLIS

ROUTE SECTIONS BASED ON 100 FT TYPE B TRACK GRADE



**GREENLAND INTERCONNECTOR
30KV TRANSMISSION LINE
ROUTE PLAN**

VERTICAL PROFILE

STATION	1+00	2+00	3+00	4+00	5+00	6+00	7+00	8+00	9+00	10+00
ELEVATION										

DATE	11/11/11
BY	...
CHECKED BY	...
APPROVED BY	...

APPROVED

SCALE: 1" = 400'

PROJECT NO: TL7978B0/47

DATE: 11/11/11

SCALE: 1" = 400'

PROJECT NO: TL7978B0/47

ATTACHMENT 17

National Parks and Wildlife Act 1974 No 80



New South Wales

Status information

Currency of version

Current version for 26 October 2018 to date (accessed 18 December 2019 at 13:56)

Legislation on this site is usually updated within 3 working days after a change to the legislation.

Provisions in force

The provisions displayed in this version of the legislation have all commenced. See Historical Notes

Does not include amendments by—

Licensing and Registration (Uniform Procedures) Act 2002 No 28 (amended by Statute Law (Miscellaneous Provisions) Act 2008 No 62 and National Parks and Wildlife Amendment Act 2010 No 38) (not commenced)

Government Sector Finance Legislation (Repeal and Amendment) Act 2018 No 70 (not commenced)

See also—

National Parks and Wildlife Amendment (Tree Thinning Operations) Bill 2019 [Non-government Bill— the Hon M J Banasiak, MLC]

Responsible Minister

Special Minister of State, Minister for the Public Service and Employee Relations, Aboriginal Affairs, and the Arts, Division 3 of Part 3 and Parts 6 and 6A, jointly with the Minister for Energy and Environment; remainder, Minister for Energy and Environment

Authorisation

This version of the legislation is compiled and maintained in a database of legislation by the Parliamentary Counsel's Office and published on the NSW legislation website, and is certified as the form of that legislation that is correct under section 45C of the *Interpretation Act 1987*.

File last modified 8 August 2019.

- (c) an administrator while managing the affairs of an SRA trust or regional park trust, or of a local council in relation to the care, control and management of a regional park, or
 - (d) a person acting under the direction of a trust board, or of an administrator while so managing,
- does not, if the matter or thing was done in good faith for the purposes of executing this or any other Act, subject any member, administrator or person so acting personally to any action, liability, claim or demand.

8 General procedure and first meeting of members

- (1) The procedure for the calling of meetings of the members of a trust board and for the conduct of business is, subject to any directions by the Chief Executive, to be as determined by the members.
- (2) The Chief Executive is to call the first meeting of the members of a trust board in such manner as the Chief Executive thinks fit.

9 Quorum

The quorum for a meeting of the members of a trust board is a majority of the members for the time being.

10 Voting

A decision supported by a majority of the votes cast at a meeting of the members of a trust board at which a quorum is present is the decision of the trust board.

11 Minutes of meetings

A trust board is required to keep full and accurate minutes of the proceedings of each of its meetings.

Schedules 11–13 (Repealed)

Schedule 14 Lands of cultural significance to Aboriginal persons

(Sections 71D (2), 71U, 71AW and 71BM)

Biamanga National Park
Gulaga National Park
Jervis Bay National Park
Mungo National Park
Mootwingee Historic Site, Mootwingee National Park and Coturaundee Nature Reserve
Mount Grenfell Historic Site
Mount Yarrowyck Nature Reserve

Schedule 14A Boards of management established under Part 4A

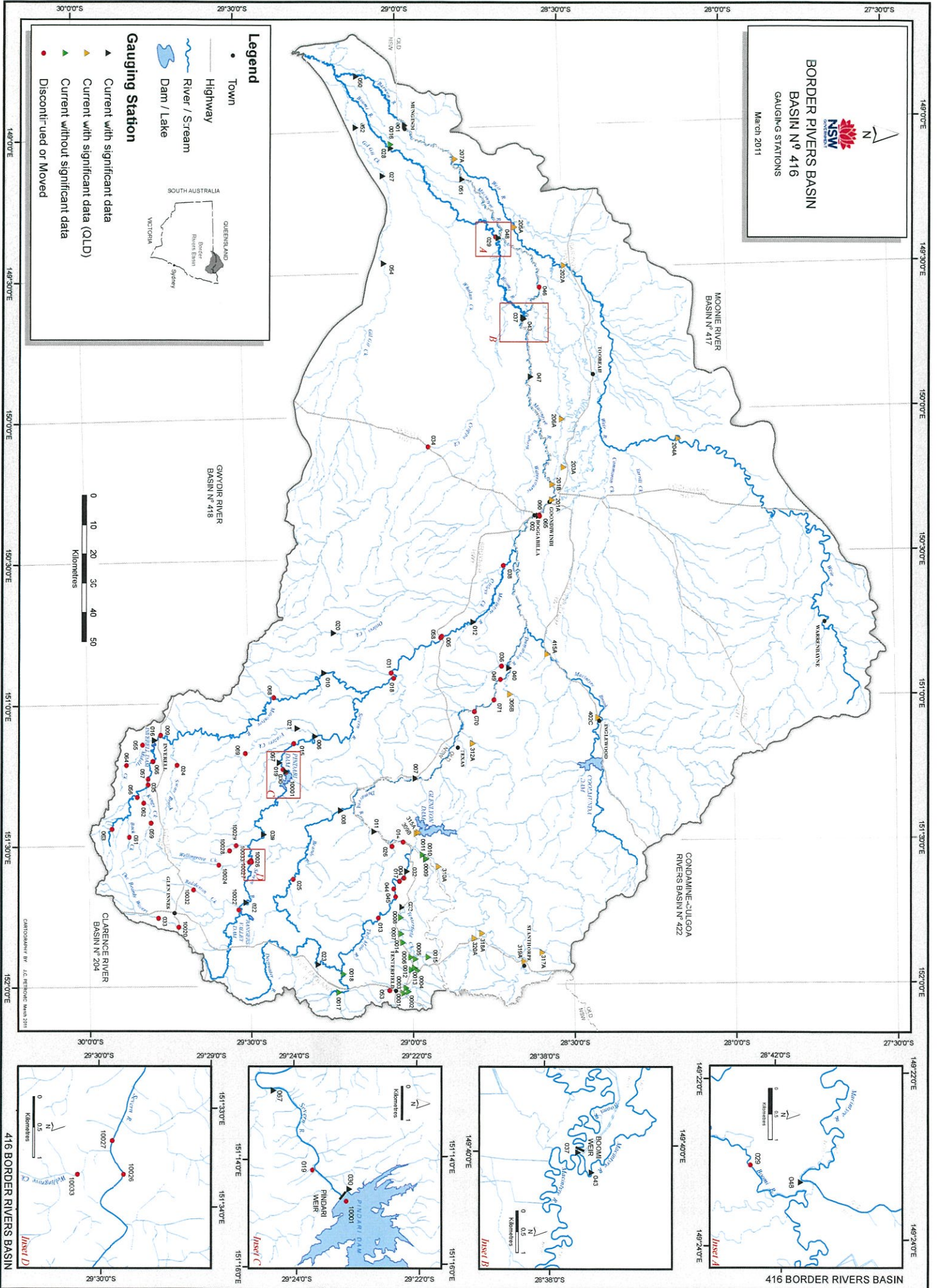
(Section 71AN (6A))

Part 1 General

1 Definitions

In this Schedule:

ATTACHMENT 18

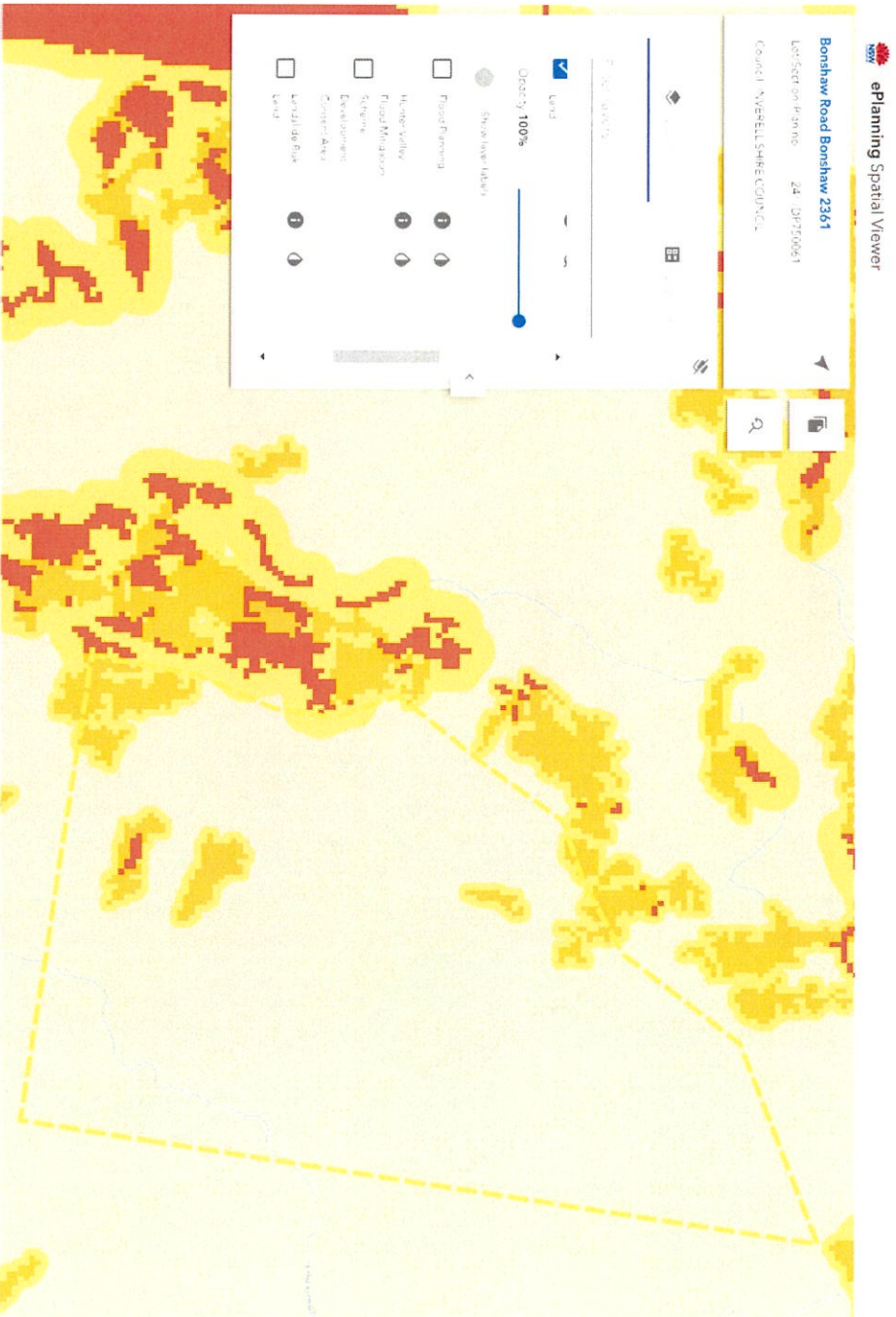


Site ID	Structure	Ct	Latitude	Longitude
416001	Barrow River at Moorland	A	-28 58 34"	148 58 08"
416002	Mackinac River at Boggsilla	A	-28 35 30"	150 21 42"
416003	Trentfield Creek at Clifton	A	-29 07 52"	151 43 29"
416004	Made River at Tremar	C	-29 03 32"	151 37 23"
416005	Mackinac River at Verma	C	-28 59 54"	150 46 36"
416006	Severn River at Ashford	A	-29 17 38"	151 07 16"
416007	Dunarsq River at US Sorghum Weir	A	-28 59 10"	151 16 26"
416008	Barody River at Hraestak	A	-29 13 04"	151 23 02"
416009	Mackinac River at Hraestak	A	-29 15 45"	151 06 33"
416010	Mackinac River at Walarngz	A	-29 05 54"	152 17 30"
416011	Dunarsq River at Hraestak	A	-28 47 59"	150 43 47"
416012	Mackinac River at Hraestak	A	-29 06 18"	151 29 48"
416013	Made River at Made River Post Office	C	-29 01 37"	151 29 48"
416014	Dunarsq River at Mhpqah No.3	C	-29 21 43"	151 08 41"
416015	Mackinac River at Inverell (Middle Creek)	A	-29 47 31"	151 07 39"
416016	Mackinac River at Inverell (Middle Creek)	C	-29 02 22"	151 38 03"
416017	Made River at Inverell	C	-29 02 00"	150 55 17"
416018	Mackinac River D/S Damie	C	-29 23 43"	151 14 13"
416019	Severn River D/S Pindan Dam	A	-29 13 57"	150 45 33"
416020	Clays Creek at Coonah	A	-29 20 58"	151 05 33"
416021	Frazers Creek at Westshore (Midford)	A	-29 30 46"	151 42 14"
416022	Severn River at Inbury	A	-29 17 29"	151 55 28"
416023	Severn River at Inbury	A	-29 43 25"	151 13 00"
416024	Severn River at Inbury	C	-29 22 07"	151 37 21"
416025	Severn River at Inbury	C	-29 03 41"	151 30 42"
416026	Severn River at Inbury	C	-29 07 55"	149 09 36"
416027	Severn River at Inbury	A	-28 42 18"	149 23 02"
416028	Severn River at Inbury	A	-29 02 25"	151 14 39"
416029	Severn River at Inbury	A	-29 23 07"	151 14 39"
416030	Severn River at Inbury	A	-29 03 25"	151 35 59"
416031	Mackinac River at Inbury	A	-29 00 55"	151 55 59"
416032	Made River at Inbury	C	-29 47 13"	151 45 10"
416033	Severn River at Inbury	C	-28 55 46"	150 06 41"
416034	Severn River at Inbury	C	-28 42 50"	151 17 06"
416035	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416036	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416037	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416038	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416039	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416040	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416041	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416042	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416043	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416044	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416045	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416046	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416047	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416048	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416049	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416050	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416051	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416052	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416053	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416054	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416055	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416056	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416057	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416058	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416059	Mackinac River at Inbury	C	-28 42 50"	151 17 06"
416060	Mackinac River at Inbury	C	-28 42 50"	151 17 06"

Site ID	Structure	Ct	Latitude	Longitude
416061	Pandora Creek at Pandora Station	C	-29 52 27"	151 38 05"
416062	Kings Creek at Inverell North	C	-29 48 47"	151 20 57"
416063	Mackinac River at Inverell	C	-29 55 41"	151 36 24"
416064	Mackinac River at Inverell	C	-29 52 48"	151 12 52"
416065	Mackinac River at Inverell	C	-29 50 22"	150 21 44"
416066	Mackinac River at Inverell	C	-29 47 57"	151 12 05"
416067	Severn River at Inverell	A	-29 24 30"	151 12 43"
416068	Mackinac River at Inverell	C	-29 51 18"	150 58 56"
416069	Mackinac River at Inverell	C	-29 30 42"	151 10 40"
416070	Dunarsq River at Inverell	C	-28 48 04"	151 02 31"
416071	Dunarsq River at Inverell	C	-28 44 23"	151 00 08"
416072	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416073	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416074	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416075	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416076	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416077	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416078	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416079	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416080	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416081	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416082	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416083	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416084	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416085	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416086	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416087	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416088	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416089	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416090	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416091	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416092	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416093	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416094	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416095	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416096	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416097	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416098	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416099	Mackinac River at Inverell	C	-29 07 42"	151 01 17"
416100	Mackinac River at Inverell	C	-29 07 42"	151 01 17"

ATTACHMENT 19

Bushfire Prone Land Search : 03022020



<https://www.planningportal.nsw.gov.au/spatialviewer/#/find-a-property/lot>

6

FLOOD PRONE LAND



FLOOD PRONE LAND

6.1. Introduction

The overall purpose of this chapter of the *Inverell Development Control Plan 2013* (IDCP) is to guide and control development on flood prone land identified in the townships of Inverell (see **Figure 6.1**), Ashford (see **Figure 6.2**) and Yetman (see **Figure 6.3**). This chapter also provides requirements for development on likely flood prone land that adjoins rivers and creeks.

The requirements in this chapter for the township of Inverell (**Figure 6.1**) are structured on the flood classification applicable to each site. These classifications are Floodway, Flood Storage and Flood Fringe (Low and High Hazard). There are two flood heights applicable to Inverell relating to the 1976 and 1991 flood in accordance with the Inverell Floodplain Management Plan 1996. Flood prone land in Ashford and Yetman (**Figures 6.2 and 6.3**) is based on the Yetman and Ashford *Flood Scoping Study 2004*.

For development requirements that reference a flood height, Council's Planning Officers should be contacted to provide a flood height to the Australian Height Datum (AHD). It may be necessary to engage the services of a registered surveyor to determine the flood AHD in relation to AHD of the ground level for a site.

6.2. Intent

The specific objectives of this chapter are:

- To discourage inappropriate development on flood prone land;
- To minimise the risk to life and damage to property as a result of flooding;
- To minimise the cost of flooding to the community; and
- To provide guidelines for determination of development on flood prone land.

6.3. Floodway (Inverell)

Outcome

- To discourage inappropriate development within the Inverell Floodway.

Acceptable Solution

- Buildings should not be constructed in the Floodway.
- Placement of fill or other material on the site must not be undertaken other than in conjunction with approved riverbank rehabilitation and stabilisation works.
- Fences must not be constructed unless they are of post and rail construction with a minimum of 70% area open to allow the passage of floodwater.

6.4. Flood Storage (Inverell)

Outcome

- To allow appropriate development within the Inverell Flood Storage area.

Acceptable Solution

- New development is not supported where the development results in a net loss of flood storage volume or significantly alters peak flood flow velocities on adjacent properties.
- Placement of fill or other material on the site is generally not supported in a flood storage area.
- Fencing in a flood storage area requires development consent and engineer's certification.

6.5. Flood Fringe - Low & High Hazard (Inverell)

Outcome

- To allow for development that can withstand inundation in major flood events with minimal property damage or risk to personal safety.



Acceptable Solution

- Development is permitted subject to a competent engineer certifying to Council that the proposed development will be unlikely to:
 - Significantly alter the 1991 flood levels;
 - Significantly alter peak flood flow velocities on adjacent properties during the 1991 flood; and
 - Suffer significant damage, as experienced during the 1991 flood.
- Any portion of a building or structure subject to inundation must be constructed of flood compatible (flood damage resistant) materials.
- Any filling of land is to be limited to the areas occupied by buildings and that are necessary to provide access to the buildings. Filling of land is to be included in the engineer's certification as required above.
- Any proposed fencing is to be shown on the plans accompanying a Development Application and the likely effect of such fencing on flood behaviour is to be included in the engineer's certification as required above.
- Incoming electricity mains, service equipment and meters must be located 1m above the 1991 flood level. A building must be able to be easily disconnected from the main power supply.
- All wiring, power outlets, switches etc should, to the maximum extent possible, be located 1m above the 1991 flood level or be suitable for continuous submergence in water. All conduits located below the 1991 flood level should be so installed that they will be self-draining if subjected to flooding.
- All sewer connections to buildings are to be fitted with reflux valves to prevent backflow of sewage in a flood event.
- Heating and air conditioning systems in buildings should, to the maximum extent possible, be installed in areas and spaces 1m above the 1991 flood level.
- Heating equipment and fuel storage tanks located below the 1991 flood level should be mounted on and securely anchored to a foundation pad of sufficient mass to overcome buoyancy and prevent movement if inundated.
- All ductwork located below the 1991 flood level should be provided with openings for drainage and cleaning. Where necessary ductwork should be provided with a closure assembly to prevent water infiltration.
- High risk developments such as hospitals, homes for the aged, emergency centres and the like should not be located on flood prone land.

Residential Development

- The habitable floor level must be no lower than a level equal to the 1991 flood level plus 1m.
- The floor level of any garages and/or sheds must be no lower than a level equal to the 1976 flood level plus 300mm.

New Commercial and Industrial Development

- The floor level of any new building shall be no lower than a level equal to the 1976 flood level plus 300mm.
- Any new building is to be constructed of flood damage resistant material and is to be fitted with flood protection measures to protect the interior of the building against a flood equal to the 1991 flood level plus 500mm.
- Where Council deems development to be minor redevelopment and/or minor infill development, the floor level requirements for a new building may be relaxed providing Council is satisfied that:
 - A minimum of two thirds of the floor area is to be no lower than a level equal to the 1976 flood level plus 300mm; or Flood protection measures are installed to provide protection for the interior of the building against a flood equal to the 1991 flood level plus 500mm; or
 - Sufficient shelving is to be installed to allow stock to be readily raised to a level no lower than equal to the 1991 flood level plus 500mm; or
 - Any other flood protection measures, which can be demonstrated to Council's satisfaction to provide a level of flood protection equivalent to the three points above. (It will be necessary for innovative approaches under this sub-clause to be supported by certification of structural adequacy from a competent engineer).
- In all cases it will be necessary for the owner/applicant to provide a flood emergency plan to be approved by Council.

Alterations and Additions to Commercial Development

- Alterations and additions may be permitted without the need to raise floor levels subject to the total area of additions to the building not exceeding 50% of the ground floor area of the building as at 31 July 1991 and the proposals do not involve a change of use of the building or an increase in the intensity of building use.
- Notwithstanding the requirements in the clause above, if the proposed additions are deemed by Council to involve a change of use of the building that would result in an increase in the intensity of use or in an increased risk from the effects of flooding, then Council may limit the increase in floor area to 20% of the ground floor level of the building as at 31 July 1991.



- Where existing floor levels are maintained, at least one of the following flood protection measures is to be installed in the building:
 - Flood protection measures to provide protection for the interior of the building against a flood equal to the 1991 flood level plus 500mm; or
 - Sufficient shelving to allow stock to be readily raised to a level no lower than equal to the 1991 flood level plus 500mm; or
 - Any other flood protection measures, which can be demonstrated to Council's satisfaction to provide a level of flood protection equivalent to the three points above. (It will be necessary for innovative approaches under this sub-clause to be supported by certification of structural adequacy from a competent engineer).
- Where the addition or alteration is of a minor or inconsequential nature and does not involve increasing the floor area of the buildings on the site by more than 10% of the floor area of the buildings as at 31 July 1991, Council may waive the requirement for supporting documentation to be submitted by a competent engineer.
- In all cases it will be necessary for the owner/applicant to provide a flood emergency plan to be approved by Council.

6.6. Ashford, Yetman and Other Flood Prone Land

Outcome

- To allow for appropriate development on flood prone land.

Acceptable Solution

- The floor level of any new habitable building shall be located no lower than 1m above the highest known flood, as determined by Council.
- Development is permitted subject to a competent engineer certifying to Council that the proposed development will be unlikely to:
 - Significantly alter the highest known flood levels;
 - Significantly alter peak flood flow velocities on adjacent properties during the highest known flood; and
 - Suffer significant damage, as experienced during the highest known flood.
- Any portion of a building or structure subject to inundation shall be constructed of flood compatible (flood damage resistant) materials.
- Any filling of land is to be limited to the areas occupied by buildings and that are necessary to provide access to the buildings. Filling of land is to be included in the engineer's certification.
- Any proposed fencing is to be shown on the plans accompanying a Development Application and the likely effect of such fencing on flood behaviour is to be included in the engineer's certification required above.
- Incoming electricity mains, service equipment and meters shall be located 500mm above the highest known flood level. Means shall be available to easily disconnect the building from the main power supply.
- All wiring, power outlets, switches etc should, to the maximum extent possible, be located 1m above the highest known flood level or be suitable for continuous submergence in water and should contain no fibrous components. All conduits located below the highest known flood level should be so installed that they will be self-draining if subjected to flooding.
- All sewer connections to buildings are to be fitted with reflux valves to prevent backflow of sewage in a flood event.
- Heating and air conditioning systems in buildings should, to the maximum extent possible, be installed in areas and spaces 1m above the highest known flood level.
- Heating equipment and fuel storage tanks located below the highest known flood level should be mounted on and securely anchored to a foundation pad of sufficient mass to overcome buoyancy and prevent movement if inundated.
- All ductwork located below the highest known flood level should be provided with openings for drainage and cleaning. Where necessary ductwork should be provided with a closure assembly to prevent water infiltration.
- In all cases it will be necessary for the owner/applicant to provide a flood emergency plan to be approved by Council.



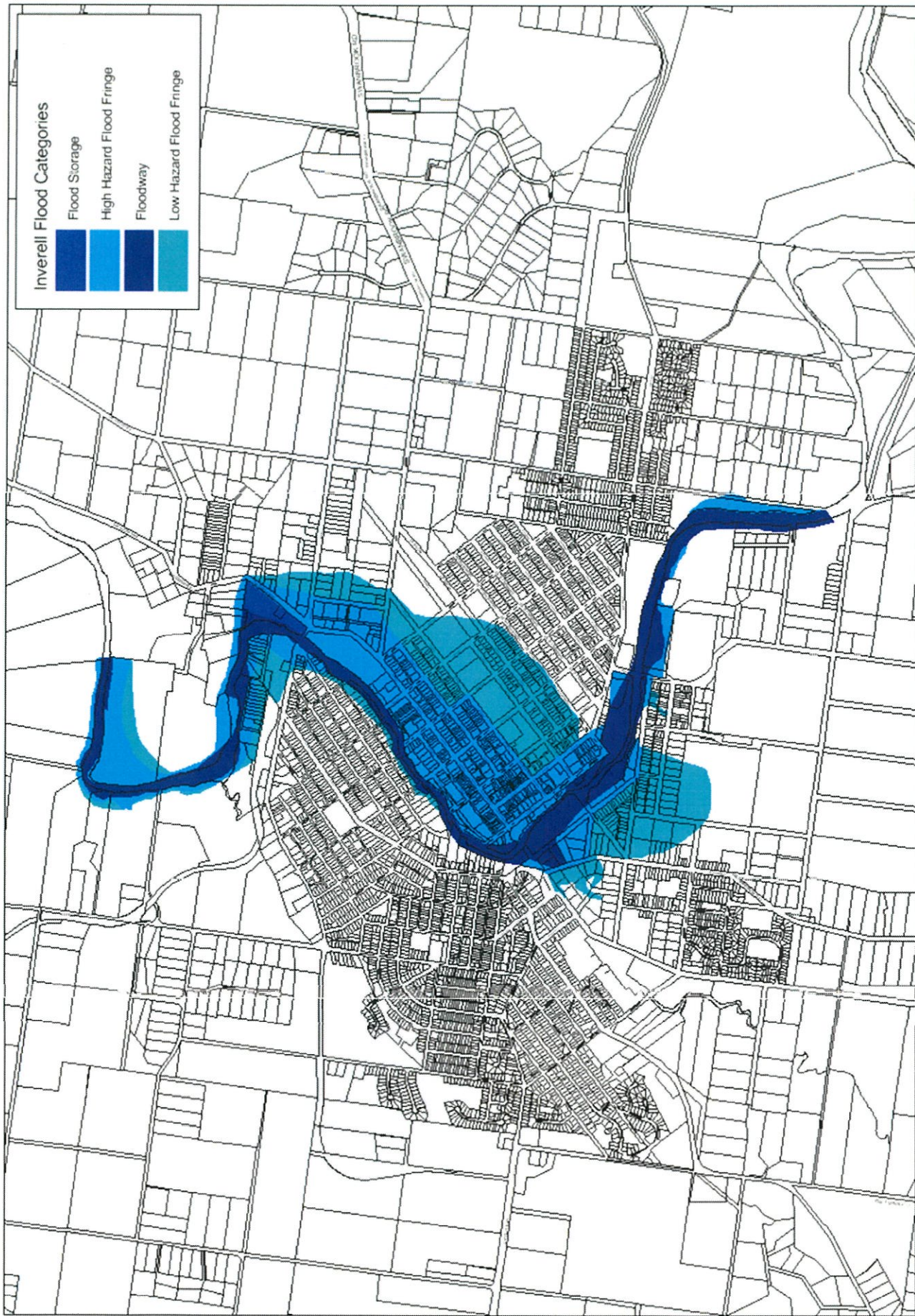


Figure 6.1 – Inverell Flood Prone Land Categories – Inverell Flood Plain Management Plan 1996



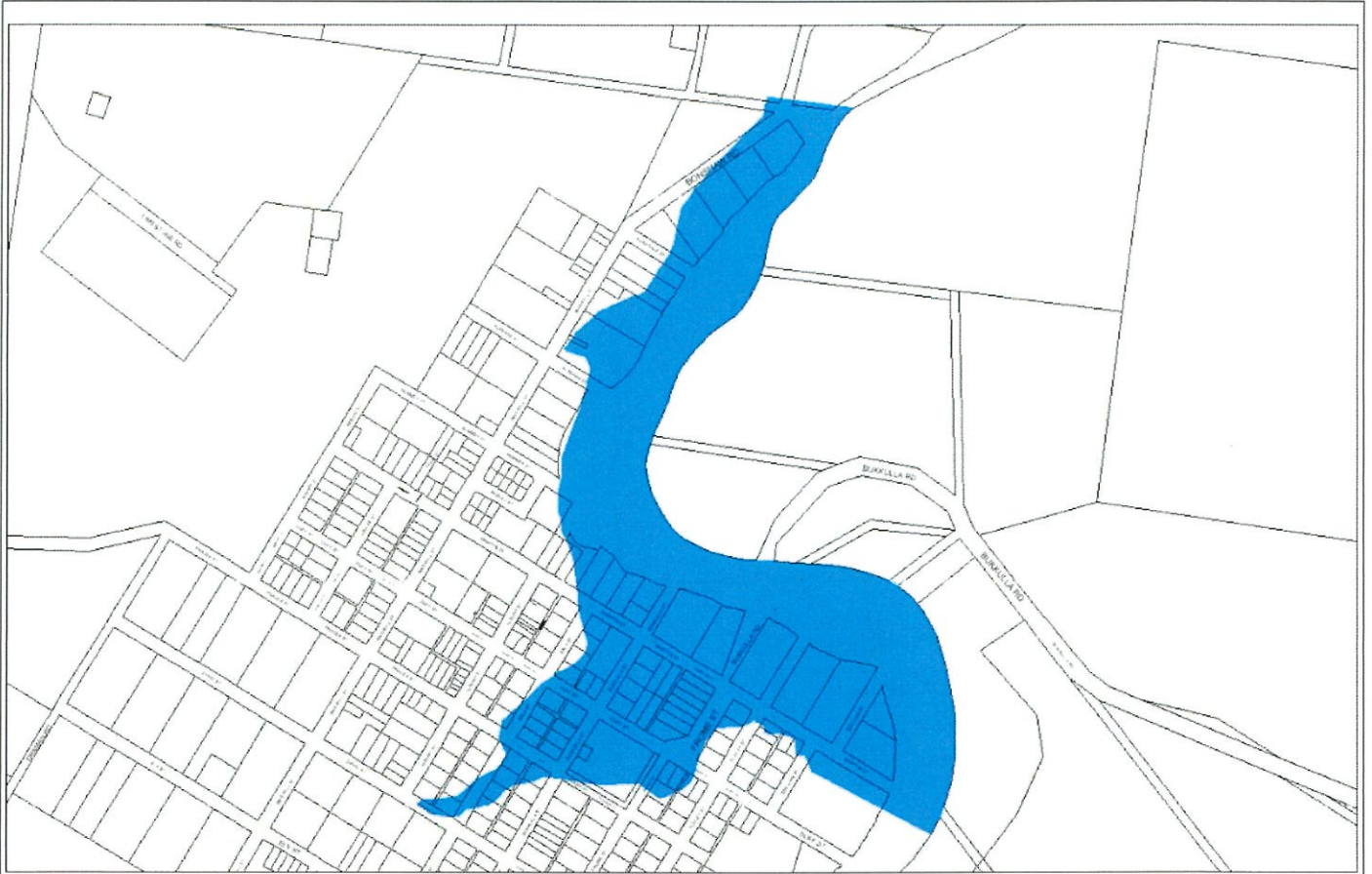


Figure 6.2 – Ashford Flood Prone Land – Yetman & Ashford Flood Scoping Study 2004



Figure 6.3 – Yetman Flood Prone Land – Yetman & Ashford Flood Scoping Study 2004

ATTACHMENT 21

Form CS1

Mining Act (1992) and Petroleum (Onshore) Act (1991)



Applicant details

Applicant Details			
Applicant reference		Date	20/12/19
Applicant name	NICHOLAS ASSEK		
Postal address	PO BOX 441 ROSE BAY 2029		
Phone	0424 222 444	Email	NIAA@LUCAPAC.COM
Preferred return method	<input checked="" type="checkbox"/> Email <input type="checkbox"/> DX <input type="checkbox"/> Post		
Preferred Service option	<input checked="" type="checkbox"/> Express - 2 days* (\$72.50 incl. GST) <input type="checkbox"/> Standard - 10 days* (\$55.00 incl. GST)		

Fee payment

There are two fee options depending on the urgency of your request.

- **Express processing fee** (returned within 2 business days) - \$72.50 (incl. GST)
- **Standard processing fee** (returned within 10 business days) - \$55.00 (incl. GST)

Note: While every effort is made to complete all work within a timely manner, the department bears no liability for any delay under any circumstance. In the event that we are unable to complete all work within the stated timeframe the department may, in its absolute discretion, refund the difference in cost between the express and standard service delivery option upon the request of the applicant.

Select payment method

Payment Method					
<input type="checkbox"/>	Direct deposit Account name: NSW Department of Planning, Industry and Environment BSB: 032001 Account: 114428 Reference: CSA [your company name or last name] (e.g: CSA Company) Direct deposits will require a copy of the deposit receipt issued by the banking authority as evidence to accompany the application form. Failure to provide a payment reference may result in lost payment and an invalid application.				
<input type="checkbox"/>	Cheque made payable to 'NSW Department of Planning, Industry and Environment'				
<input checked="" type="checkbox"/>	Credit Card (enter details below) Credit Card surcharges may apply				
Payment amount	\$ 72.50	Card type	VISA	Expiry date	mm/yy [REDACTED]
Cardholder name	N. ASSEK		Card number	[REDACTED]	

Receipt no 9377567

Checked by Simon Noffke

20/12/2019

Form CS1**Mining Act (1992) and Petroleum (Onshore) Act
(1991)****Property details**

One application covers adjoining lots up to a total of 30 lots. Applications greater than 30 lots will be charged at an hourly rate of \$165 per hour or part thereof - Contact Drafting Services for a quote.

If additional space is required, attach a MS Excel file (.xlsx), the filename must include the applicant's reference.

Address:

Plan number (DP/SP)	Section number (if applicable)	Lot numbers (comma separated)
750061		24

RESULT OF SEARCH:

NIL
No Titles nor Applications for 24/750061

ORIGINAL COPY

TAX INVOICE/STATEMENT

DATE: 20.12.19	ORDER NUMBER: 912080	TAX INVOICE NUMBER: ZJ9377567
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FROM: DEPARTMENT OF PLANNING, INDUSTRY & ENVIRONMENT	TO: N. ASSEF
ABN (Supplier): 20 770 707 468	ABN (Recipient):
GST No: (New Zealand Only)	

QTY	DESCRIPTION	EACH	GST	TOTAL
1	PROPERTY SEARCH	65.91	6.59	65.91
	CIC SURCHARGE			0.29
REF	24 / 750061			

EFTPOS FROM WESTPAC
DPE RES & ENGY MAILL
616 HIGH ST
HAITLAND 2320
Australia

TIME 20DEC19 11:41
MID 23764289
TSP 100381889254
RRN 191220004381
Visa(M) CR
CARD.....8096
AUTH 126379

MOTO AUD72.50
SURCHARGE AUD0.29
TOTAL AUD72.79

(000) APPROVED
CUSTOMER COPY

SIGNED: *S.D. Noll*

*Indicates taxable supply
Spirax 555

SUB TOTAL	66.20
GST	6.59
TOTAL INCLUSIVE OF GST	72.79

[Home](#) [Contaminated land](#) [Record of notices](#)

Search results

Your search for: LGA: INVERELL SHIRE COUNCIL

did not find any records in our database.

If a site does not appear on the record it may still be affected by contamination. For example:

- Contamination may be present but the site has not been regulated by the EPA under the Contaminated Land Management Act 1997 or the Environmentally Hazardous Chemicals Act 1985.
- The EPA may be regulating contamination at the site through a licence or notice under the Protection of the Environment Operations Act 1997 (POEO Act).
- Contamination at the site may be being managed under the planning process.

More information about particular sites may be available from:

- The [POEO public register](#)
- The appropriate planning authority: for example, on a planning certificate issued by the local council under [section 149 of the Environmental Planning and Assessment Act](#).

See [What's in the record and What's not in the record](#).

If you want to know whether a specific site has been the subject of notices issued by the EPA under the CLM Act, we suggest that you search by Local Government Area only and carefully review the sites that are listed.

This public record provides information about sites regulated by the EPA under the Contaminated Land Management Act 1997, including sites currently and previously regulated under the Environmentally Hazardous Chemicals Act 1985. Your inquiry using the above search criteria has not matched any record of current or former regulation. You should consider searching again using different criteria. The fact that a site does not appear on the record does not necessarily mean that it is not affected by contamination. The site may have been notified to the EPA but not yet assessed, or contamination may be present but the site is not yet being regulated by the EPA. Further information about particular sites may be available from the appropriate planning authority, for example, on a planning certificate issued by the local council under section 149 of the Environmental Planning and Assessment Act. In addition the EPA may be regulating contamination at the site through a licence under the Protection of the Environment Operations Act 1997. You may wish to search the [POEO public register](#).

18 December 2019

For business and industry

For local government

Contact us

☐ 131 555 (tel:131555)

☐ info@epa.nsw.gov.au
(mailto:info@epa.nsw.gov.au)

[Search Again](#)
[Refine Search](#)

Search TIP

To search for a specific site, search by LGA (local government area) and carefully review all sites listed. ... [more search tips](#)

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[Accessibility \(https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/help-index\)](https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/help-index)

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[Copyright \(https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/copyright\)](https://www.epa.nsw.gov.au/about-us/contact-us/website-service-standards/copyright)

EPA Office Locations
 (https://www.epa.nsw.gov.au/about-us/contact-us/locations)

(https://au.linkedin.com/company/nsw-environment-protection-authority)

Find us on (https://twitter.com/nswdep, https://www.youtube.com/channel/UCSSjgAEshicGzXBJRwKK)

ATTACHMENT 23

List of Layers

LLS Regions



Livestock Highways



TSR State Classification Map

Category 1



Category 2



Category 3



Category 4



Category 5



TSR Conservation Value (2019)

High HCV



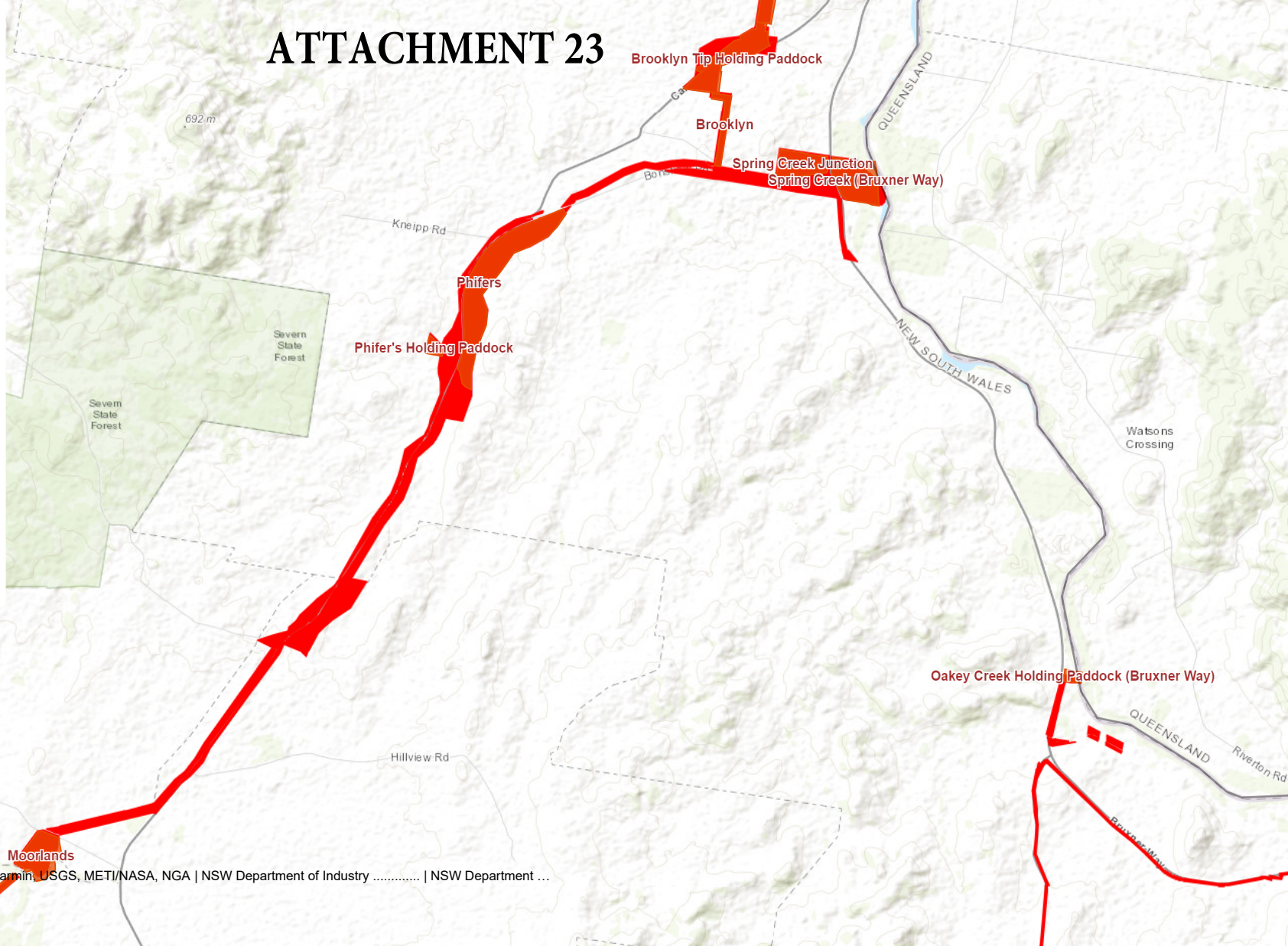
Medium MCV



Low LCV



Unassessed



NPSR, Esri, © OpenStreetMap contributors, HERE, Garmin, USGS, METI/NASA, NGA | NSW Department of Industry | NSW Department ...

Travelling Stock Reserves - State Classification Map

Find address or place

