



nation  
partners

SOLUTIONS  
FOR COMPLEX  
PROJECTS

Certified



Corporation

White St, Dubbo – Phase 1  
Site Assessment

15 November 2017

Transport for NSW

REPORT



SOLUTIONS  
FOR COMPLEX  
PROJECTS

We help solve complex  
problems for projects

We believe that well-planned and targeted advice can help shape a project that is not only better developed, but is delivered more effectively, with greater acceptance and positive outcomes.

Nation Partners isn't your average consulting firm. A certified B Corporation, we attract and develop the brightest thinkers and take an active part in shaping the world.

With expertise in projects in the government, transport, water, property and urban development sectors, we provide a suite of services aptly tailored to each client and project at hand.

---

Document title  
White St, Dubbo – Phase 1 Site Assessment

---

Version  
1.0

---

Date  
November 2017

---

Prepared by  
Mahima Kalla

---

Approved by  
Chris Duesterberg

---

File name  
Regional Rail Centre – Phase 1 Site  
Assessment

---

**Nation Partners Pty Ltd**  
ABN 96 166 861 892

Suite 108, 50 Holt St  
Surry Hills NSW 2010

1300 876 976  
info@nationpartners.com.au  
**nationpartners.com.au**

COPYRIGHT: The concepts and information contained in this document are the property of Nation Partners Pty Ltd. Use or copying of this document in whole or in part without the written permission of Nation Partners constitutes an infringement of copyright.



## Table of Contents

<b>1</b>	<b>Introduction</b>	<b>3</b>
1.1	Background	3
1.2	Purpose and Objectives	3
1.3	Scope of Work	3
1.4	Guidelines and Standards	4
<b>2</b>	<b>Site Identification</b>	<b>5</b>
2.1	Site Location and Description	5
2.2	Land Use and Ground Cover	5
2.3	Site Access and Security	6
2.4	Surrounding Land Use	6
2.5	Site Observations	6
<b>3</b>	<b>Site History</b>	<b>11</b>
3.1	Historical Titles	11
3.2	Aerial Photograph Review	11
3.3	Government, Regulatory and Business Directory Searches	13
3.4	Previous Investigations	14
<b>4</b>	<b>Environmental Setting</b>	<b>16</b>
4.1	Topography and Hydrology	16
4.2	Geology	16
4.3	Hydrogeology	16
4.4	Sensitive Local Environments	16
<b>5</b>	<b>Summary of Potential Contamination</b>	<b>17</b>
5.1	Potential Contamination Sources	17
5.2	Contaminants of Concern	17
5.3	Environmental Media	17
5.4	Migration and Exposure Pathways	17
5.5	Potential Receptors	18
5.6	Contamination Conceptual Site Model	18
<b>6</b>	<b>Conclusions and Recommendations</b>	<b>19</b>
6.1	Conclusions	19
6.2	Recommendations	19
<b>7</b>	<b>Limitations</b>	<b>21</b>
<b>Figures 22</b>		
<b>Plates 22</b>		
<b>Appendix A – Environmental Risk and Planning Report (Lotsearch)</b>		<b>26</b>

## 1 Introduction

### 1.1 Background

Nation Partners Pty Limited (Nation Partners) was commissioned by Transport for NSW (TfNSW) to undertake a Phase 1 Preliminary Site Investigation (PSI) of TfNSW-owned and Council-owned land located at White Street, Dubbo (hereafter referred to as the 'site'). The site has been earmarked for a proposed rail maintenance facility. The site location is shown in **Figure 1**.

In August 2017, the NSW Government announced that it would replace the aging XPT, Endeavour and XPLOER regional rail fleets, comprising over 100 trains, which operate between Sydney, Melbourne, Brisbane and major regional centres. The new regional NSW fleet is aimed at delivering improved levels of comfort, service and reliability to regional rail customers.

As part of the fleet upgrade, NSW Government also announced that it would construct a new maintenance facility for the regional rail fleet in Dubbo NSW. The new facility will stimulate the regional economy and provide long-term skilled employment opportunities for the region. This PSI forms part of the initial planning for the new maintenance facility, providing an assessment of the potential presence and significance of contamination at the site to inform risk mitigation, management and planning approval requirements.

### 1.2 Purpose and Objectives

The purpose of this PSI was to identify the potential presence and significance of contamination at the site, and assess whether the contamination would require remediation or management activities that may represent a significant environmental impact as part of the construction and operation of the planned maintenance facility. To achieve this goal, the objectives of the PSI were to:

- Identify potential sources of contamination and contaminants of concern;
- Assess the potential health and safety risks presented by site contamination to human and environmental receptors;
- Identify any significant uncertainties or data gaps that may adversely affect the proposed site redevelopment; and
- Draw clear and tangible conclusions regarding the planning and management of contamination for the proposed redevelopment.

### 1.3 Scope of Work

In order to achieve the aforementioned objectives, Nation Partners completed the following scope of work:

- Desktop review of site information sources, including:
  - Historical land titles;
  - Historical aerial photographs;
  - Previous studies and investigation reports; and
  - Information held by government and regulatory authorities;



- Site inspection to assess current land use activities, potential contamination sources, site surface conditions, topography and surrounding land uses, including sensitive environmental receptors;
- Development of a preliminary contamination conceptual site model (CSM); and
- Preparation of this PSI report.

No soil or groundwater sampling was performed as part of this PSI.

#### 1.4 Guidelines and Standards

The guidelines and standards used to guide this PSI are those made or endorsed by the NSW Environment Protection Authority (EPA) and comply with the provisions of the NSW *Contaminated Land Management Act 1997* (CLM Act). These guidelines and standards include:

- *Australian and New Zealand Guidelines for Fresh and Marine Water Quality* (ANZECC & ARMCANZ, 2000);
- *Guidelines for the Assessment and Management of Groundwater Contamination* (NSW DEC, 2007);
- *Guidelines for Consultants Reporting on Contaminated Sites* (NSW OEH, 2011);
- *National Environment Protection (Assessment of Site Contamination) Amendment Measure 1999* (NEPM; NEPC, 2013);
- *Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997* (NSW EPA, 2015); and
- *Guidelines for the NSW Site Auditor Scheme (3rd Edition)* (NSW EPA, 2017).

## 2 Site Identification

### 2.1 Site Location and Description

The site is located on White Street, Dubbo NSW, approximately 500 metres east of the Dubbo train station and 5 kilometres southeast of Dubbo airport. The site location is shown in **Figure 1**, and additional site identification details are summarised in **Table 2.1**.

Table 2.1: Site Identification Details

Current Site Owner(s):	TfNSW and Dubbo Regional Council
Address:	White Street, Dubbo
Legal Identification:	Lot 1 of Deposited Plan (DP) 1185204 (owned by TfNSW) Lots 1, 2, 3, 4 and 5 of DP 1006357 (owned by TfNSW) Lot 100 of DP 710487 (owned by Dubbo Regional Council)
Site Area:	Approximately 33 hectares
Local Government Area:	Dubbo Regional Council
Zoning:	According to the Dubbo Local Environmental Plan (2011), the site falls under the following zone types: <ul style="list-style-type: none"> <li>• IN2: Light Industrial;</li> <li>• SP2: Infrastructure – Railway;</li> <li>• RE1: Public Recreation; and</li> <li>• RE2: Private Recreation.</li> </ul>

The site is owned by TfNSW and Dubbo Regional Council. Sections of the TfNSW-owned land are leased by the Australian Rail Track Corporation (ARTC) and John Holland Rail (John Holland). **Figure 2** indicates the areas leased by ARTC and John Holland.

### 2.2 Land Use and Ground Cover

The site primarily comprises open space, with certain portions being used for construction laydown areas by Dubbo Council and John Holland. Operational heavy rail infrastructure runs along the southern boundary of the site, running east-west before turning north into the Dubbo Rail Triangle, which forms the western portion of the site and is leased by ARTC. Rail lines at the site are used for both passenger and freight purposes.

John Holland and Dubbo Regional Council use parts the site for materials storage and laydown areas. Chemical storage at the site appears limited to small quantities of fuel and oils (likely no more than jerry cans), lubricants, and general cleaning products. No above or underground storage tanks (ASTs or USTs) are known to be present, nor is there major plant or construction equipment. Ground cover across the Council land and John Holland leased area primarily consists of grass cover, except for the rail track areas.

The ARTC leased area primarily consists of the Dubbo Rail Triangle in the western part of the site. The Dubbo Rail Triangle forms the junction between rail lines between Dubbo and Narromine, and Coonamble and Orange. ARTC sub-leases the lots within and to the east of the rail triangle to BJ Engineering, an engineering company that specialises in rail track



machine maintenance and hydraulic maintenances and repairs. This area of the site is characterised by light industrial activities, with several sheds and buildings that appear to be machine workshops, as well as equipment and materials storage areas. Ground cover in this area is also generally unsealed, though on-ground slabs are presumably present at the building and shed structures.

### 23 Site Access and Security

Access to the site is via White Street to the north of the site. The northern section of the site is fenced, whilst the remaining boundaries are delineated by the rail tracks. Access to the rail triangle is restricted by additional fencing between the lease areas. The John Holland leased area is known to be accessed illegally by the general public and trespassers, including persons walking across the rail track.

### 24 Surrounding Land Use

Land use in the local area is characterised by commercial premises, light industrial facilities (primarily warehousing and small manufacturing), and low density residential properties. TAFE Western has a campus north-east of the site, and the Dubbo Showground is located adjacent to the site to the west.

### 25 Site Observations

Nation Partners undertook a site inspection on 11 October 2017 as part of the PSI. Due to access restrictions the site inspection was limited to the John Holland leased area of the site. A representative from John Holland escorted Nation Partners personnel to site and provided information on current site activities, as well as anecdotal reports of historical activities. Given the layout and extent of the rail maintenance facility being proposed for the site, inspection of the ARTC land was not considered necessary for the PSI.

During the site inspection areas of environmental interest with respect to contamination were recorded. **Figure 2** shows the areas identified, and a summary of site observations are provided below.

- In the northwest corner of the John Holland lease area, near the entrance to the ARTC lease area, a laydown area containing pre-cast concrete culverts, rail tracks, and stockpiles ballast and fresh dirt were observed (refer **Plate 1**).
- To the left of the entrance road to the ARTC lease area, a fenced area containing several dozen 55 gallon drums is present. The John Holland representative indicated that these drums contained materials used by BJ Engineering, such as steel fastenings and plastic ties. No visual evidence of staining or discolouration of the ground surface was observed (**Plate 2**).
- The centre of the site contains a large, continuous stockpile approximately 100 m long, 30 m wide, and up to 2 m in height in some areas (**Plates 3 and 4**). The stockpile contains old railway sleepers and other building and demolition rubble, though the much of the composition of the stockpile was hidden by grass and vegetation overgrowth. The John Holland representative indicated this stockpile was historically used as a dumping ground for bulk waste materials from past rail activities, and that it was likely fly-tipped waste was added illegally over time. Evidence of such illegal dumping, such as domestic waste materials like plastic tubs, hot water heaters, and study desks, were observed within the stockpile. The vegetation growth indicated that waste material was not currently being added to the stockpile. Asbestos or suspected asbestos containing

materials (ACMs) were not observed during the site inspection, however given the nature of some of the waste ACMs are likely to be present.

- Several dozen rusted and derelict rail cars are also present in the centre of the site organised adjacent to one another (**Plate 5**). The John Holland representative indicated these cars were the remnants from a derailment that occurred at the site a number of years ago.
- John Holland maintains a fenced compound and laydown area in the southern part of the site (**Plate 6**). The area is demarcated by a chain-link fence and is well organised, with materials and equipment sorted and separated in an orderly fashion. Several small containers and portable sheds are present in the compound area, which appear to be for storage and a small office and portable wash closet. The John Holland representative indicated any chemicals stored in the compound area would be limited to small quantities of fuels, oils and possibly degreasers and lubricants.
- A large area in the central and eastern portion of the site is used by Dubbo Council as a construction materials storage, stockpiling and laydown area, reportedly (as indicated by the John Holland site representative) for various civil and infrastructure projects being undertaken by the Council (**Plates 7 and 8**). The area is delineated by an earthen fill bund on all sides and is accessed via an unsealed track that extends from the intersection of Welchmann and White Streets. The fill bund appears to be a mixture of dirt spoil and construction and demolition rubble of unknown origin (**Plate 7**). Within the bunded area several large stockpiles of various spoil materials, including building and demolition rubble, vegetation (grass / shrubs from grubbing), and clean soil are present (**Plate 8**). The area appeared organised and well maintained, with separate stockpiles of material types clearly delineated. During the site investigation, two dump trucks arrived on site, one to dump vegetation waste, and another being filled with clean soil. A backhoe was observed being used to fill the dump trucks. **Figure 2** shows the area is located on the John Holland lease area, and not on the area leased by Dubbo Council leased area.
- Adjacent to the Council laydown area to the east is a large fill embankment overgrown with grasses and small shrubs. The John Holland site representative indicated this embankment was constructed by Dubbo Council several years ago in preparation for construction of a road overpass connecting Welchman Street north of the site to Aspen Road south of the site. However construction of the overpass did not proceed, and the embankment was left in place.
- To the east of the embankment, the Council land comprises an open grass paddock, with no signs of stockpiles or ongoing activities.
- Observations of the ARTC leased area reflected the increased rail and light industrial activities that take place in the area, including the sub-lessee tenant BJ Engineering. Several buildings, sheds and materials and equipment laydown areas were visible (refer **Plate 1**), and no fuel or chemical storage areas (USTs or ASTs) could be observed.

During the site inspection, the John Holland site representative acknowledged that illegal fly-tipping of waste materials was known to occur at the site, though not extensively. The site was not very secure, and visual observations supported evidence of such illegal dumping. As a result ACMs and asbestos waste is likely to be present amongst the various stockpiles of waste materials.



The John Holland site representative also provided anecdotal reports of buried railway cars and carriages at the site, as well as reporting that he believed a company called Boradz Chemicals used to lease the Dubbo Rail Triangle area. The John Holland representative acknowledged these reports were anecdotal only, as he had only heard such stories by word of mouth. Nation Partners conducted an internet search for Boradz Chemicals, and chemical companies in Dubbo, and could not find any records of the company nor indications of a chemical company associated with the site.

### 3 Site History

#### 3.1 Historical Titles

Historical title information for the site was sourced from a previous report, the *Phase 1 Environmental Contamination Assessment* prepared by consultants CH2M Hill in 2000. Nation Partners understands the site has been owned by TfNSW and its predecessor organisations since 2000, meaning the historical title information provided in the CH2M Hill (2000) report remains relevant.

The CH2M Hill (2000) report indicates that the historical title information reveals that the site was progressively resumed for Railway Purposes from the early 1900s up to 1950. Current title information indicates lots within the site are owned by Sydney Trains.

#### 3.2 Aerial Photograph Review

Historical aerial photographs of the site were obtained from NSW Land and Property Information and provided by Lotsearch in their Environmental Risk and Planning Report for the site, included in **Appendix A**. Historical aerial photographs of the site from 1959, 1964, 1971, 1980, 1991, 1995, 2001 and 2009 are presented in this Lotsearch report. **Table 3.1** summarises the historical aerial photographs reviewed for this PSI.

Table 3.1: Historical Aerial Photography Review

Year	Observations
1959 B/W	<p><i>Site:</i> The site appears to mainly comprise open space, with a few trees present intermittently in the area. There do not appear to be any major structures or buildings on the site, except for a small area in the northern section of the site which may have some small structures; however, these are not properly visible due to the image resolution. Rail lines are visible along the northern and southern boundaries, as well as the lines that form the present day Dubbo Rail Triangle.</p> <p><i>Adjacent Sites:</i> The area along most of the site's eastern boundary is undeveloped, suggesting the presence of paddocks lined with a few trees. The area to the site's west appears more developed, generally with low density housing, with some larger buildings indicative of light industrial or commercial facilities. Along the south-west of the site, is the Dubbo Showground, represented by an open area with tracks.</p>
1964 B/W	<p><i>Site:</i> The site appears unchanged from the previous photograph.</p> <p><i>Adjacent Sites:</i> Adjacent lots and the surrounding area are similar to the previous photograph. Low density residential lots appear more infilled to the west and north of the site.</p>
1971 B/W	<p><i>Site:</i> The site mostly appears unchanged from the previous photograph, except for areas of disturbance that appear to be stockpiles or rail sleepers within and adjacent to the rail triangle.</p> <p><i>Adjacent Sites:</i> Adjacent lots and the surrounding area are similar to the previous photograph, again with increased infill of residential lots to the west and north. Low density residential properties appear to the south of the site for the first time.</p>



Year	Observations
1980 B/W	<p><i>Site:</i> Dirt tracks and areas of disturbance appear for the first time in the main portion of the site. The stockpiles around the rail triangle have disappeared, though an increased area adjacent to the rail lines have been cleared of grass.</p> <p><i>Adjacent Sites:</i> Areas to the west and north appear similar to the previous photograph, though larger buildings and structures are now visible on lots on White Street north of the site. Residential development south of the site has increased significantly.</p>
1991 B/W	<p><i>Site:</i> The majority of the site remains cleared open space, with a number of small structures within and adjacent to the rail triangle.</p> <p><i>Adjacent Sites:</i> The area along the site's northern boundary now appears quite developed with larger buildings indicative of commercial or light industrial properties. Development to the south continues to increase.</p>
1995 Colour	<p><i>Site:</i> The site appears largely unchanged from the previous photograph, with the exception of a distinct compound area in the southern portion of the site. The dark grey colour of this area suggests the ground may have been covered in asphalt, gravel or bitumen.</p> <p><i>Adjacent Sites:</i> Adjacent lots largely appear the same as the previous photograph, with the area surrounding the site appearing developed on all sides. There appear to be low density residential developments to the south, with some commercial and industrial facilities to the north.</p>
2001 Colour	<p><i>Site:</i> The site appears largely unchanged from the previous photograph, though the compound area in the south appears no longer in use. In the eastern portion of the site the laydown area used by Dubbo Council is visible for the first time.</p> <p><i>Adjacent Sites:</i> Adjacent lots largely appear the same as the previous photograph, apart from a few additional residential properties appearing along the southern boundary of the site.</p>
2009 Colour	<p><i>Site:</i> The site appears similar to the previous photograph, though the Council compound area and the current John Holland compound area are clearly visible. The large stockpile of material currently present in the centre of the site is also visible.</p> <p><i>Adjacent Sites:</i> Adjacent area of the site appears slightly more densely developed compared to the previous photograph.</p>

The collection of historical aerial photographs available for the site suggests that the majority of the site has been unoccupied as undeveloped grassed space since the late 1950s. The rail triangle area has been in use since prior to 1950, with rail associated activities taking place within and adjacent to the triangle throughout the site's history. Residential development steadily grew to the west, north, and then south of the site over the period. Light industrial and commercial premises along the site's northern boundary also increased since about 1980.

Based on the historical aerial photographs reviewed for the site, potential areas of environmental concern include:

- Rail associated activities in the western part of the site, within and adjacent to the rail triangle;
- Potential for chemicals and dangerous goods storage, disposal and leaks associated with activities within and adjacent to the rail triangle, as well as the compound areas that appear at the site from 1995; and

- The presence of asbestos, ACMs and other waste materials in stockpiles and compound storage areas.

Given the type and extent of the buildings and structures that appear within and around the rail triangle area, which generally appear to be smaller buildings characteristic of offices, workshops and storage sheds, the potential for widespread or significant contamination in this area is considered low. Given their size and the absence of sealed ground or other permanent infrastructure, the compound areas in the southern and eastern portions of the site are also unlikely to have contained or stored significant quantities of chemicals or fuels that could have led to extensive contamination of the site.

### 3.3 Government, Regulatory and Business Directory Searches

Searches of various government and regulatory lists and databases are included in the Environmental Risk and Planning Report prepared by Lotsearch for the site (refer **Appendix A**). Searches include the NSW EPA's database of known and suspected contaminated sites, and its register of current and former sites undertaking activities regulated under the *Protection of the Environment Operations Act 1997* (POEO Act). In addition to these searches, the Lotsearch report provides historical information on businesses registered at the site and local area in 1950, 1961, 1970 and 1982, including businesses registered as dry cleaners, motor garages and service stations.

Results of searches of government and regulatory databases and historical business directories are summarised below.

- Records from the NSW EPA Contaminated Land List returned one property adjacent to the northwestern boundary of the site, a Caltex service station that is currently under assessment (i.e. the site is currently being evaluated to determine whether regulation is required). Other site records returned by the aforementioned database search were either not regulated under the CLM Act, or were over 500 m from the site.
- The NSW EPA's Contaminated Land: Records of Notice search returned one record in relation to a former Ambulance Station (located on 165 Brisbane Street), 941 m west of the site, which had received three former notices.
- The NSW EPA's Register of Former Gasworks returned one record in relation to a site located on Gas Lane, Dubbo, 701 m west of the site.
- Geoscience Australia's National Waste Management Site Database did not return any sites within 1000 m of the site.
- The EPA PFAS Investigation Program returned no records within the dataset buffer.
- The NSW EPA's List of Licensed Activities returned several active and delicensed activities within 500 m of the site, as summarised in **Table 3.2**.

Table 3.2: Licensed and Delicensed Regulated Activities within 500 m of Site

Organisation	Name	Activity	Distance from Site	Status
Australian Rail Track Corporation Limited	-	Railway systems activities	On site	Currently licensed
John Holland Rail Pty Ltd	-	Railway systems activities	On site	Currently licensed
Forestry Corporation Of New South Wales	IFOA Area "the Brigalow-Nandewar Region"	Logging operations	444 m south	Currently licensed
Greater Western Area Health Service	Dubbo Base Hospital	Hazardous, Industrial or Group A Waste Generation or Storage	374 m north	Delicensed activities still regulated by the EPA

- Lotsearch's business directory for 1982 identified a mixture of manufacturing, retail, commercial, service and repair businesses within 500 m of the site, including but not limited to steel merchants, builder suppliers, motor oil depots, furnishing retail stores, tyre dealers, agricultural machinery repairs, hotels, and refrigerator sales and service stores, with the closest facilities located less than 25 m from the site.
- Lotsearch's business directory for 1970 identified a mixture of manufacturing, retail, commercial, service and repair businesses within 500 m of the site, including but not limited to plumbing supplies, frozen food specialists, air compressor manufacturers, timber merchants, forklift hiring services, glass merchants and glaziers, and battery sales and service stores, the closest facilities located under 50 m from the site. The 1970 business directory also identified a motor garage, located on Gipps Street, 174 m west of the site.
- Lotsearch's business directory for 1961 identified a mixture of manufacturing, retail, commercial, service and repair businesses within 500 m of the site, including but not limited to paint suppliers, shearing contractors, hardware dealers, wool/skin/hide buyers, fibrous plaster manufacturers, boiler makers, veterinary surgeons, and motor repairers, with the closest facilities located approximately 75 m from the site. The 1961 business directory identified a service station located 350 m west of the site on Erskine Street.
- Lotsearch's business directory for 1950 identified a florist, nursery, fibrous plaster manufacturer and veterinary surgeons located within 500 m from site; the florist and nursery being the closest, located 12 m north-west of the site on Fitzroy Street. The 1950 business directory identified a service station located 350 m west of the site on Erskine Street.

### 3.4 Previous Investigations

In 2000 consultants CH2M Hill undertook a Phase 1 environmental audit of the site on behalf of Rail Estate for the purpose of assessing potential contamination conditions and informing the potential sale of the land. The CH2M Hill (2000) assessment was undertaken in accordance with the regulatory guidelines and standards for these types of assessments available at the time. The assessment included a site inspection and collection and laboratory



analysis of three surface soil samples in areas identified as potential areas of concern with respect to contamination.

The CH2M Hill (2000) report identified two areas of the site where waste materials, including several 200 litre drums, were observed, as well as the presence of two containers in a southern fenced area whose contents were unknown, though one container had a dangerous goods warning sign attached to it. Based on the sketch figures provided in the report, one of the waste material areas appears to be in the same location as the current existing large waste stockpile in the centre of the site, while the other area is west of the stockpile and closer to the rail track. The southern fenced area described in the report is consistent with the compound area observed on the 1995 historical aerial photograph, and the area currently used by John Holland as a compound and laydown area.

CH2M Hill (2000) collected surface soil samples from the waste disposal area where the drums were located and from within the southern fenced area. The soil sample collected from the waste area recorded concentrations of total petroleum hydrocarbons (TPH; C10 – C36 fraction) above the adopted guideline criteria for commercial / industrial land use, which CH2M Hill (2000) attributed to leakage from the drums. Based on this result CH2M Hill (2000) recommended the lateral and vertical extent of the TPH impact be further delineated and remediated. They also recommended further investigation of other waste disposal areas, followed removal of all waste materials by a licensed contractor.

Beyond the waste disposal areas and containers within the southern fenced area, CH2M Hill (2000) did not identify any other potential sources of contamination at the site. No USTs, ASTs or other fuel or chemical storage areas were identified, and land use activities adjacent to the site were considered unlikely to have impacted the site with respect to contamination.

## 4 Environmental Setting

### 4.1 Topography and Hydrology

Topographic contours for the local area indicate that the site is located on a gentle east to west slope, with low relief and ranging from approximately 284 m Australian Height Datum (AHD) on the eastern boundary to 268 m AHD on the eastern boundary. No permanent watercourses are within 1 km of the site, with the closest watercourse being the Macquarie River located approximately 2 km west of the site.

### 4.2 Geology

The majority of the site area is underlain by Mesozoic Napperby Formation, a finely laminated quartzose, sandstone and siltstone, interbedded with thick, massive or crossbedded quartzose sandstone and minor conglomerate. The eastern end of the site is underlain by Mesozoic Purlawaugh Formation (fine to medium grained lithic to labile sandstone thinly interbedded with siltstone, mudstone and thin coal seams), and Pilliga Sandstone (medium to very coarse grained well sorted, angular to subangular quartzose sandstone) with carbonaceous fragments, iron staining, and flint clay. No geological structures are present on site, and no records were returned in relation to the potential for naturally occurring asbestos on site.

Natural soils at the site include euchrozems, red-brown earths, and red earths. Drilling logs for boreholes within 200 m of the site indicate the presence shallow depths of clay loams, silty clays, underlain by gravels and sand. Ground cover at the site is predominantly dry grassy vegetation.

### 4.3 Hydrogeology

Hydrogeology for the Dubbo area is characterised by porous, extensive highly productive alluvial aquifers associated with the Macquarie River. Based on local topography and the Macquarie River, groundwater is expected to flow from east to west towards the river.

A search of registered groundwater bores held by the NSW Office of Water identified over 100 registered groundwater bores within 1 km of the site, with the majority being monitoring or test bores. Approximately ten bores were registered for recreation, irrigation and/or town supply, and four bores for domestic supply and/or stock watering. Available groundwater levels for registered bores within the immediate vicinity of the site indicate groundwater is encountered between 12 and 16 m below ground level (bgl), consistent with the levels described by CH2M Hill (2000).

### 4.4 Sensitive Local Environments

Potential human receptors to contamination present at the site include site workers and trespassers. Sensitive local receptors include nearby residential properties and other premises, including the Western College Alesco Learning Centre located approximately 57 m northwest of the site, a retirement village 161 m northeast, and childcare centres (closest 331 m from site), primary schools (closest 380 m from site), and several parks and sporting fields (closest 88 m from site). No water courses or nature reserves are present in the vicinity of the site.

## 5 Summary of Potential Contamination

### 5.1 Potential Contamination Sources

Based upon the results and observations of the PSI, potential sources of contamination from past or current activities at the site include:

- Contamination associated with current and former waste disposal areas that included observations of dumped 200 litre drums;
- Contamination associated with current and former rail associated activities, including minor quantities of chemicals, oils, and lubricants stored at the site;
- Stockpiles of waste materials, including fly-tipped waste dumped illegally at the site;
- Uncontrolled fill material within the bunds of the Council compound area and the embankment constructed for the road overpass; and
- Heavy metal and pesticide contamination associated with insect and vegetation control.

### 5.2 Contaminants of Concern

Based upon the potential contaminat sources identified for the site, potential contaminants of concern include:

- Benzene, Toluene, Ethylbenzene and Xylene (BTEX), and petroleum hydrocarbons resulting from rail associated activities, compound areas, and waste disposal;
- Heavy metals and organic contaminants including BTEX, TPH and polycyclic aromatic hydrocarbons (PAHs) associated with waste and fill materials;
- Asbestos, ACMs and other hazardous building materials associated with waste and fill materials; and
- Heavy metals and pesticides.

### 5.3 Environmental Media

Environmental media of concern at the site includes surface and sub-surface soils, groundwater, and waste and fill materials present in stockpiles and bunds. No surface water bodies are on or in the vicinity of the site. Despite the depth to groundwater (greater than 10 m bgl), should significant or extensive chemical contamination be present, it may impact the underlying aquifer. For the proposed redevelopment of the site as a rail maintenance facility, groundwater is unlikely to be encountered as part of the construction or operation of the facility.

### 5.4 Migration and Exposure Pathways

Pathways by which the contaminants identified above may migrate towards, or be exposed to, potential receptors include:

- Exposure via direct human contact;
- Exposure via inhalation of dust or airborne fibres;
- Migration via infiltration to groundwater; and
- Migration via airborne dust.

## 5.5 Potential Receptors

Potential receptors to contamination present at the site have been identified based on the site's current land use, as well as the proposed redevelopment of the site as a heavy rail maintenance facility. Potential receptors to contamination at the site include:

- Current and future site users;
- Site workers involved in the construction and operation of the proposed rail maintenance facility;
- Residents and users of adjacent properties;
- The general public, who may access the site illegally; and
- Local groundwater.

## 5.6 Contamination Conceptual Site Model

Based on the outcomes of this PSI, an initial contamination conceptual site model (CSM) has been developed for the site. The CSM identifies the potential contamination sources, media of concern, exposure and migration pathways, and potential receptors to contamination at the site. The contamination CSM developed from this PSI is presented in **Table 5.1**.

Table 5.1: Initial Contamination Conceptual Site Model

Source	Contaminants	Media	Pathway	Receptors
Current and former rail associated activities and waste disposal areas	<ul style="list-style-type: none"> <li>• Heavy metals</li> <li>• BTEX and TPH</li> <li>• PAHs</li> <li>• VOCs and SVOCs</li> <li>• Asbestos and ACMs</li> </ul>	<ul style="list-style-type: none"> <li>• Surface soils</li> <li>• Fill and waste materials</li> </ul>	<ul style="list-style-type: none"> <li>• Direct contact</li> <li>• Migration and inhalation of dust</li> </ul>	<ul style="list-style-type: none"> <li>• Current and future site workers and users</li> <li>• Users of adjacent properties</li> <li>• General public, trespassers</li> </ul>
		<ul style="list-style-type: none"> <li>• Sub-surface soils</li> </ul>	<ul style="list-style-type: none"> <li>• Direct contact</li> <li>• Migration and inhalation of dust</li> </ul>	<ul style="list-style-type: none"> <li>• Future site workers and users</li> </ul>
		<ul style="list-style-type: none"> <li>• Groundwater</li> </ul>	<ul style="list-style-type: none"> <li>• Infiltration</li> </ul>	<ul style="list-style-type: none"> <li>• Groundwater</li> </ul>
Fly-tipped waste, waste stockpiles, uncontrolled fill	<ul style="list-style-type: none"> <li>• Heavy metals</li> <li>• BTEX and TPH</li> <li>• PAHs</li> <li>• VOCs and SVOCs</li> <li>• Asbestos and ACMs</li> </ul>	<ul style="list-style-type: none"> <li>• Surface soils</li> <li>• Fill and waste materials</li> </ul>	<ul style="list-style-type: none"> <li>• Direct contact</li> <li>• Migration and inhalation of dust</li> </ul>	<ul style="list-style-type: none"> <li>• Current and future site workers and users</li> <li>• Users of adjacent properties</li> <li>• General public, trespassers</li> </ul>
		<ul style="list-style-type: none"> <li>• Groundwater</li> </ul>	<ul style="list-style-type: none"> <li>• Infiltration</li> </ul>	<ul style="list-style-type: none"> <li>• Groundwater</li> </ul>
Insect and vegetation control	<ul style="list-style-type: none"> <li>• Heavy metals</li> <li>• Pesticides</li> </ul>	<ul style="list-style-type: none"> <li>• Surface soils</li> </ul>	<ul style="list-style-type: none"> <li>• Direct contact</li> <li>• Migration and inhalation of dust</li> </ul>	<ul style="list-style-type: none"> <li>• Current and future site workers and users</li> <li>• Users of adjacent properties</li> <li>• General public, trespassers</li> </ul>
		<ul style="list-style-type: none"> <li>• Groundwater</li> </ul>	<ul style="list-style-type: none"> <li>• Infiltration</li> </ul>	<ul style="list-style-type: none"> <li>• Groundwater</li> </ul>

## 6 Conclusions and Recommendations

### 6.1 Conclusions

For this PSI Nation Partners has undertaken a review of current and historical activities, records, and information available for the site. Potential sources of contamination have been identified and incorporated into an initial contamination CSM for the site. Based on the current and historical information reviewed, the results of the PSI support the following conclusions.

- Historical records for the site indicate that it has been used for rail purposes and rail associated activities since the early 1900s, though the majority of the site to the east of the rail triangle area has not been used throughout its history.
- Current site activities and conditions indicate the presence of stockpiles of waste materials and fill in dedicated areas of the site, including evidence of fly-tipped waste. Asbestos and ACMs may be present amongst the stockpiles and fill areas.
- Whilst the western portion of the site has been utilised for rail activities since prior to 1950, the extent of disturbance, buildings and infrastructure observed from historical aerial photography suggest a low likelihood that activities in this area would have caused significant or widespread contamination of the site.
- Limited soil testing recorded elevated concentrations of petroleum hydrocarbons in an area of the site where 200 litre drums were observed to have been stored or discarded. However, given the limited extent of the drum disposal area described by CH2M Hill (2000), and the absence of any such drums currently at the site, the likelihood for extensive or widespread contamination is considered low.
- Overall there is a low likelihood for the presence of significant or widespread contamination at the site, based on the limited current and historical activities that have taken place at the site.

Based on the results of the PSI, any remediation or management measures that would be required to appropriately mitigate risks associated with contamination to facilitate the site's redevelopment as a heavy rail maintenance facility would not significantly impact the environment. Potential remediation or management works, if required, would be able to be incorporated with normal environmental management activities associated with typical construction works, or require additional activities (such as land farming hydrocarbon contaminated soils, or emu picking ACMs from waste materials prior to disposal) that would not significantly affect the environment. Extensive, complex, or intensive remediation works would not be required. As a result, in accordance with the DUAP (1999) guideline *Is an EIS Required?*, potential remediation or management activities that may be required to appropriately manage contamination for the site's redevelopment as a rail maintenance facility would **not** trigger the need for an Environmental Impact Statement under the NSW *Environmental Planning & Assessment Act 1979*.

### 6.2 Recommendations

Nation Partners understands that as part of the planning activities for the proposed rail maintenance facility, geotechnical investigations will be required. Whilst this PSI has identified a low likelihood for significant or widespread contamination, the geotechnical investigations provide an opportunity to also collect contamination data for the site. Site contamination data will provide greater certainty on the presence and extent of



contamination, if any, and will assist in determining whether, and what type, of remediation or management activities may be required to facilitate the construction and operation of the rail maintenance facility. Site contamination data will also help in the definition of environmental controls, mitigation measures, and contract specifications that will be required for the construction of the new facility.

Based on the opportunity available to collect site contamination data, Nation Partners recommends that TfNSW incorporate contamination sampling into the geotechnical investigation program. A Sampling, Analysis and Quality Plan (SAQP) should be developed to guide the contamination sampling and analytical program, and the investigation should be designed to provide sufficient site data to reduce uncertainties and risks associated with contamination and waste disposal within the context of the proposed redevelopment to a rail maintenance facility.

## 7 Limitations

The sole purpose of this report is to present the results of a Preliminary Site Investigation (the 'Report') as defined in this report at the site located south of White Street, Dubbo NSW. This Report has been prepared by Nation Partners for the sole use of TfNSW (the 'Client') and in accordance with the scope of services developed and agreed between Nation Partners and TfNSW.

Undertaking an assessment or study of the on-site conditions may reduce the potential for exposure to the presence of contaminated or inadequate bearing ground and/or groundwater. All reports and conclusions that deal with sub-surface conditions are based on interpretation and judgement of site conditions at the time site investigations were conducted, and as a result the description of site conditions have inherent uncertainty attached to them. Conditions at the site may have changed due to natural forces and/or operations on or near the site. Any decisions based on the findings of the Report must take into account any subsequent changes in site conditions and/or developments in legislative and regulatory requirements. Nation Partners accepts no liability to the Client for any loss and/or damage incurred as a result of a change in the site conditions and/or regulatory/legislative framework since the date of the Report.

This Report should only be presented in full and should not be used to support any objective other than those detailed in the Report. In particular, the Report does not contain sufficient information to enable it to be used for any use other than the project specific requirements for which the Report was carried out. Nation Partners accepts no liability to the Client for any loss and/or damage incurred as a result of changes to the usage, size, design, layout, location or any other material change to the intended purpose contemplated under this Agreement.

The Report is based on an interpretation of factual information available and the professional opinion and judgement of Nation Partners. Unless stated to the contrary, Nation Partners has not verified the accuracy or completeness of any information received from the Client or a third party for the purposes of preparing the Report. Nation Partners accepts no liability to the Client for any loss and/or damage incurred as a result of any inaccurate or incomplete information.

Any reliance on this Report by a third party shall be entirely at such party's own risk. Nation Partners provides no warranty or guarantee to any third party, express or implied, as to the information and/or professional advice indicated in the Report, and accepts no liability for or in respect of any use or reliance upon the Report by a third party.

## Figures





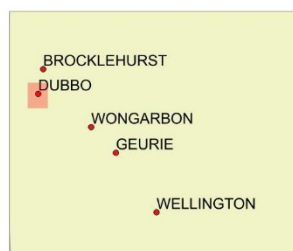
**Figure 1: Site Location**

*White Street, Dubbo  
Preliminary Site Investigation*

COPYRIGHT  
The concepts and information contained in this document are the property of Nation Partners Pty Ltd. Use or copying of this document in whole or in part without the written permission of Nation Partners Pty Ltd constitutes an infringement of copyright. Nation Partners Pty Ltd does not warrant that this document is definitive nor free of error and does not accept liability for any loss caused or arising from reliance upon information provided herein.

**Legend**

- Site Boundary
- Lot



DATA SOURCES  
NSW LPI, 2017; Imagery: Neamaps, 2017



SCALE 1:30,000  
200 0 200 400 600 m

**nation  
partners**

**Figure 1: Site Location**





**Figure 2: Areas of Environmental Interest**

White Street, Dubbo  
Preliminary Site Investigation

COPYRIGHT  
The concepts and information contained in this document are the property of Nation Partners Pty Ltd. Use or copying of this document in whole or in part without the written permission of Nation Partners Pty Ltd constitutes an infringement of copyright. Nation Partners Pty Ltd does not warrant that this document is definitive nor free of error and does not accept liability for any loss caused or arising from reliance upon information provided herein.

**Legend**

- ARTC Lease Area
- John Holland Lease Area
- Site Boundary
- Lot Boundaries

**Figure References**

- 1) Laydown area for rail tracks on palettes
- 2) Laydown area for concrete culverts
- 3) Stockpiles of rail ballast
- 4) Fenced area containing 55 gallon drums
- 5) Stockpiles of railway sleepers and miscellaneous rubbish
- 6) Stockpiles of fresh dirt
- 7) Derelict railway cars from train derailment
- 8) John Holland compound / laydown area
- 9) Several stockpiles of fly-tipped waste
- 10) Compound and materials storage area used by Council
- 11) Fill embankment for road overpass
- 12) ARTC lease area, sub-leased to BJ Engineering
- 13) Large, extensive stockpile of railway sleepers and miscellaneous rubbish, including fly-tipped waste



DATA SOURCES  
NSW LPI, 2017; Imagery: Nearthmaps, 2017

N

SCALE 1:3,500

25 0 25 50 75 100 m

**nation  
partners**

**Figure 2: Areas of Environmental Interest**

Environmental advisory  
White Street, Dubbo – Phase 1 Assessment



## Plates



Plate 1: Materials laydown areas in northwest corner of site, looking towards ARTC entrance



Plate 2: Drums in fenced area near ARTC entrance, reportedly containing steel fastenings and other parts



Plate 3: Large stockpile of rail sleepers and other waste materials in centre of site



Plate 4: Large stockpile of rail sleepers and other waste materials in centre of site





Plate 5: Derelict rail cars from past train derailment



Plate 6: Compound and laydown area used by John Holland



Plate 7: Earthen fill bund and materials stockpiles at south end of Council laydown area



Plate 8: Materials storage and laydown area used by Dubbo Council

## Appendix A – Environmental Risk and Planning Report (Lotsearch)



# Lotsearch



## **Environmental Risk and Planning Report**

**White Street, Dubbo, NSW 2830**

**Report Date: 12 Oct 2017 14:50:49**

**Disclaimer:**

The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features. You should obtain independent advice before you make any decision based on the information within the report. The detailed terms applicable to use of this report are set out at the end of this report.

## Table of Contents

Location Confidences .....	3
Dataset Listing.....	4
Contaminated Land & Waste Management Facilities.....	8
Contaminated Land & Waste Management Facilities.....	10
EPA PFAS Investigation Program.....	11
EPA Other Sites with Contamination Issues .....	11
EPA Activities .....	13
EPA Activities .....	15
Historical Business Directories .....	18
Historical Business Directories .....	22
Historical Business Directories .....	26
Historical Business Directories .....	29
Historical Business Directories .....	32
Historical Business Directories .....	34
Topographic Features.....	51
Topographic Features.....	54
Topographic Features.....	55
Hydrogeology & Groundwater.....	58
Hydrogeology & Groundwater.....	67
Geology .....	92
Soils .....	96
Standard Local Environmental Plan Acid Sulfate Soils .....	97
Dryland Salinity.....	99
Mining Subsidence Districts.....	100
Environmental Zoning.....	101
Local Environmental Plan .....	103
Local Environmental Plan .....	106
Heritage.....	108
Natural Hazards.....	113
Ecological Constraints .....	114
Ecological Constraints .....	115

## Location Confidences

Where Lotsearch has had to georeference features from supplied addresses, a location confidence has been assigned to the data record. This indicates a confidence to the positional accuracy of the feature. Where applicable, a code is given under the field heading "LC" or "LocConf". These codes lookup to the following location confidences:

LC Code	Location Confidence
1	Georeferenced to the site location / premise or part of site
2	Georeferenced with the confidence of the general/approximate area
3	Georeferenced to the road or rail
4	Georeferenced to the road intersection
5	Feature is a buffered point
6	Land adjacent to Georeferenced Site
7	Georeferenced to a network of features

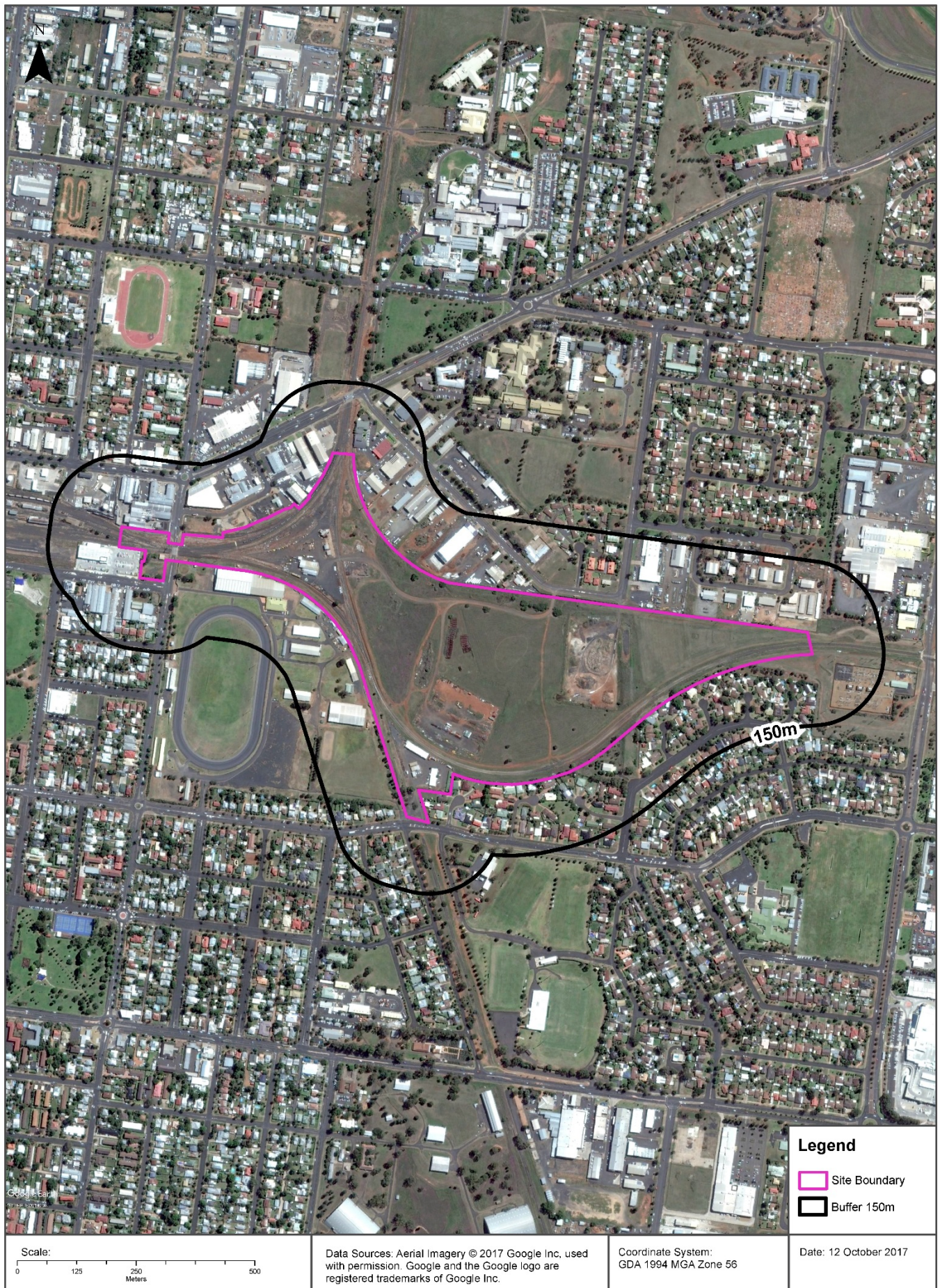
## Dataset Listing

Datasets contained within this report, detailing their source and data currency:

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	Department Finance, Services & Innovation	12/10/2017	12/10/2017	Daily	-	-	-	-
Topographic Data	Department Finance, Services & Innovation	10/04/2015	01/04/2015	As required	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	25/09/2017	04/09/2017	Monthly	1000	0	2	11
Contaminated Land: Records of Notice	Environment Protection Authority	03/10/2017	03/10/2017	Monthly	1000	0	0	1
Former Gasworks	Environment Protection Authority	24/09/2017	16/01/2017	Monthly	1000	0	0	1
National Waste Management Site Database	Geoscience Australia	24/09/2017	07/03/2017	Quarterly	1000	0	0	0
EPA PFAS Investigation Program	Environment Protection Authority	24/09/2017	24/09/2017	Monthly	2000	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	24/09/2017	24/09/2017	Quarterly	1000	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	04/10/2017	04/10/2017	Monthly	1000	2	2	4
Delicensed POEO Activities still Regulated by the EPA	Environment Protection Authority	04/10/2017	04/10/2017	Monthly	1000	0	0	2
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	04/10/2017	04/10/2017	Monthly	1000	0	0	0
UPSS Environmentally Sensitive Zones	Department of Environment, Climate Change and Water	14/04/2015	12/01/2010	As required	1000	1	1	1
UBD Business Directory 1982 (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	16	19
UBD Business Directory 1982 (Road & Area Matches)	Hardie Grant			Not required	150	-	56	59
UBD Business Directory 1970 (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	13	26
UBD Business Directory 1970 (Road & Area Matches)	Hardie Grant			Not required	150	-	34	38
UBD Business Directory 1961 (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	4	22
UBD Business Directory 1961 (Road & Area Matches)	Hardie Grant			Not required	150	-	31	33
UBD Business Directory 1950 (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	3	4
UBD Business Directory 1950 (Road & Area Matches)	Hardie Grant			Not required	150	-	61	65
UBD Business Directory Drycleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	1000	0	0	41
UBD Business Directory Drycleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	1000	-	4	24
Points of Interest	Department Finance, Services & Innovation	01/02/2017	01/02/2017	Annually	1000	0	3	78
Tanks (Areas)	Department Finance, Services & Innovation	01/02/2017	01/02/2017	Annually	1000	0	0	0
Tanks (Points)	Department Finance, Services & Innovation	01/02/2017	01/02/2017	Annually	1000	0	0	2
Major Easements	Department Finance, Services & Innovation	01/02/2017	01/02/2017	As required	1000	0	3	10
State Forest	Department Finance, Services & Innovation	01/02/2017	29/06/2016	As required	1000	0	0	1
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment and Heritage	01/02/2017	31/12/2016	Annually	1000	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000	1	1	1

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Groundwater Boreholes	NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corporation; Commonwealth of Australia (Bureau of Meteorology) 2015	21/03/2016	01/12/2015	Annually	2000	1	13	242
Geological Units 1:250,000	NSW Department of Industry, Resources & Energy	20/08/2014		None planned	1000	3	-	5
Geological Structures 1:250,000	NSW Department of Industry, Resources & Energy	20/08/2014		None planned	1000	0	-	0
Naturally Occurring Asbestos Potential	NSW Department of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	1000	0	0	0
Soil Landscapes	NSW Office of Environment and Heritage	12/08/2014		None planned	1000	3	-	3
Standard Local Environmental Plan Acid Sulfate Soils	NSW Planning and Environment	07/10/2016	07/10/2016	As required	500	0	-	-
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000	0	1	1
Dryland Salinity Potential of Western Sydney	NSW Office of Environment and Heritage	12/05/2017	01/01/2002	None planned	1000	-	-	-
Mining Subsidence Districts	Department Finance, Services & Innovation	13/07/2017	01/07/2017	As required	1000	0	0	0
SEPP 14 - Coastal Wetlands	NSW Planning and Environment	17/12/2015	24/10/2008	Annually	1000	0	0	0
SEPP 26 - Littoral Rainforest	NSW Planning and Environment	17/12/2015	05/02/1988	Annually	1000	0	0	0
SEPP 71 - Coastal Protection	NSW Planning and Environment	17/12/2015	01/08/2003	Annually	1000	0	0	0
SEPP Major Developments 2005	NSW Planning and Environment	09/03/2013	25/05/2005	Under Review	1000	0	0	0
SEPP Strategic Land Use Areas	NSW Planning and Environment	01/08/2017	28/01/2014	Annually	1000	0	0	0
LEP - Land Zoning	NSW Planning and Environment	23/09/2017	23/09/2017	Quarterly	1000	6	12	89
LEP - Minimum Subdivision Lot Size	NSW Planning and Environment	23/09/2017	23/09/2017	Quarterly	0	1	-	-
LEP - Height of Building	NSW Planning and Environment	23/09/2017	23/09/2017	Quarterly	0	0	-	-
LEP - Floor Space Ratio	NSW Planning and Environment	23/09/2017	23/09/2017	Quarterly	0	0	-	-
LEP - Land Application	NSW Planning and Environment	23/09/2017	23/09/2017	Quarterly	0	1	-	-
LEP - Land Reservation Acquisition	NSW Planning and Environment	23/09/2017	23/09/2017	Quarterly	0	0	-	-
State Heritage Items	NSW Office of Environment and Heritage	01/08/2017	27/05/2016	Quarterly	1000	0	1	3
Local Heritage Items	NSW Planning and Environment	23/09/2017	23/09/2017	Monthly	1000	1	1	98
Bush Fire Prone Land	NSW Rural Fire Service	24/09/2017	06/09/2017	Quarterly	1000	0	0	0
RAMSAR Wetlands	Commonwealth of Australia Department of the Environment	08/10/2014	24/06/2011	As required	1000	0	0	0
ATLAS of NSW Wildlife	NSW Office of Environment and Heritage	12/10/2017	12/10/2017	Daily	10000	-	-	-







# Contaminated Land & Waste Management Facilities

White Street, Dubbo, NSW 2830



# Contaminated Land & Waste Management Facilities

## White Street, Dubbo, NSW 2830

### List of NSW contaminated sites notified to EPA

Records from the NSW EPA Contaminated Land list within the dataset buffer:

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist (m)	Direction
392	Caltex Service Station	Phillip Street, corner Fitzroy Street	Dubbo	Service Station	Under assessment	Current EPA List	Premise Match	0m	North West
398	Inland Petroleum (Former Shell) Depot	109 Erskine Street	Dubbo	Other Petroleum	Regulation under CLM Act not required	Current EPA List	Premise Match	26m	West
399	BP Reliance Petroleum Service Station (Former Mobil Depot)	107 Erskine Street	Dubbo	Other Petroleum	Regulation under CLM Act not required	Current EPA List	Premise Match	141m	West
390	Lowes Petroleum (BP-Branded) Depot, Dubbo	105 Erskine Street	Dubbo	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	234m	West
391	Caltex Service Station	119 Bourke Street	Dubbo	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	389m	West
397	Former Mobil depot	40-44 Morgan Street	Dubbo	Other Petroleum	Regulation under CLM Act not required	Current EPA List	Premise Match	517m	North
400	United Service Station at Harvey Norman Centre	219-233 Cobra Street	Dubbo	Service Station	Under assessment	Current EPA List	Premise Match	642m	South
402	Shell Coles Express Service Station	131-133 Cobra Street	Dubbo	Service Station	Under assessment	Current EPA List	Premise Match	741m	South West
393	Caltex Service Station, Dubbo	60 Windsor Parade	Dubbo	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	772m	South East
395	Dubbo Police Station	143 Brisbane Street	Dubbo	Other Petroleum	Under assessment	Current EPA List	Premise Match	858m	West
396	Former Ambulance Station	165 Brisbane Street	Dubbo	Other Petroleum	Contamination formerly regulated under the CLM Act	Current EPA List	Premise Match	941m	West

The values within the EPA site management class in the table above, are given more detailed explanations in the table below:

EPA site management class	Explanation
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record of Notices.

EPA site management class	Explanation
Contamination currently regulated under POEO Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the Protection of the Environment Operations Act 1997 (POEO Act).
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record of Notices.
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised.
Regulation under the CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required.
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.

NSW EPA Contaminated Land List Data Source: Environment Protection Authority  
 © State of New South Wales through the Environment Protection Authority

## Contaminated Land & Waste Management Facilities

**White Street, Dubbo, NSW 2830**

### Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
97	Former Ambulance Station	165 Brisbane Street	Dubbo	3 former	3280	Premise Match	941m	West

Contaminated Land Records of Notice Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit

<http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm>

### Former Gasworks

Former Gasworks within the dataset buffer:

Map Id	Location	Council	Further Info	Location Confidence	Distance	Direction
9	Gas Lane, Dubbo	Dubbo City Council	Contact council	Road Match	701m	West

Former Gasworks Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

## National Waste Management Site Database

Sites on the National Waste Management Site Database within the dataset buffer:

Site Id	Owner	Name	Address	Suburb	Class	Landfill	Reprocess	Transfer	Comments	Loc Conf	Dist (m)	Direction
N/A	No records in buffer											

Waste Management Facilities Data Source: Australian Government Geoscience Australia

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## EPA PFAS Investigation Program

**White Street, Dubbo, NSW 2830**

## EPA PFAS Investigation Program

Sites that are part of the EPA PFAS investigation program, within the dataset buffer:

<b>Id</b>	<b>Site</b>	<b>Address</b>	<b>Location Confidence</b>	<b>Distance</b>	<b>Direction</b>
N/A	No records in buffer				

EPA PFAS Investigation Program: Environment Protection Authority  
© State of New South Wales through the Environment Protection Authority



## EPA Other Sites with Contamination Issues

**White Street, Dubbo, NSW 2830**

### EPA Other Sites with Contamination Issues

This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill

Sites within the dataset buffer:

Site Id	Site Name	Site Address	Dataset	Comments	Location Confidence	Distance	Direction
N/A	No records in buffer						

EPA Other Sites with Contamination Issues: Environment Protection Authority  
© State of New South Wales through the Environment Protection Authority

# Current EPA Licensed Activities

White Street, Dubbo, NSW 2830



## EPA Activities

**White Street, Dubbo, NSW 2830**

## Licensed Activities under the POEO Act 1997

Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
3142	AUSTRALIAN RAIL TRACK CORPORATION LIMITED		GPO BOX 14, SYDNEY, NSW 2001		Railway systems activities	3	0m	Onsite
13421	JOHN HOLLAND RAIL PTY LTD		PO Box 215 , PARRAMATTA, NSW 2124		Railway systems activities	3	0m	Onsite
12981	FORESTRY CORPORATION OF NEW SOUTH WALES	IFOA Area "the Brigalow-Nandewar Region"	Brigalow and Nandewar Community Conservation Area	DUBBO	Logging operations	7	444m	South
4979	BEN FURNEY FLOUR MILLS PTY LTD	BEN FURNEY FLOUR MILLS	100-105 BRISBANE STREET	DUBBO	General agricultural processing	1	765m	West

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority



# Delicensed & Former Licensed EPA Activities

White Street, Dubbo, NSW 2830



## EPA Activities

White Street, Dubbo, NSW 2830

### Delicensed Activities still regulated by the EPA

Delicensed activities still regulated by the EPA, within the dataset buffer:

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
12596	GREATER WESTERN AREA HEALTH SERVICE	DUBBO BASE HOSPITAL	MYALL STREET	DUBBO	Hazardous, Industrial or Group A Waste Generation or Storage	1	374m	North
10991	ESSENTIAL ENERGY	COUNTRY ENERGY FIELD SERVICE CENTRE	Hawthorn Street	DUBBO	Hazardous, Industrial or Group A Waste Generation or Storage	1	871m	South

Delicensed Activities Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

### Former Licensed Activities under the POEO Act 1997, now revoked or surrendered

Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

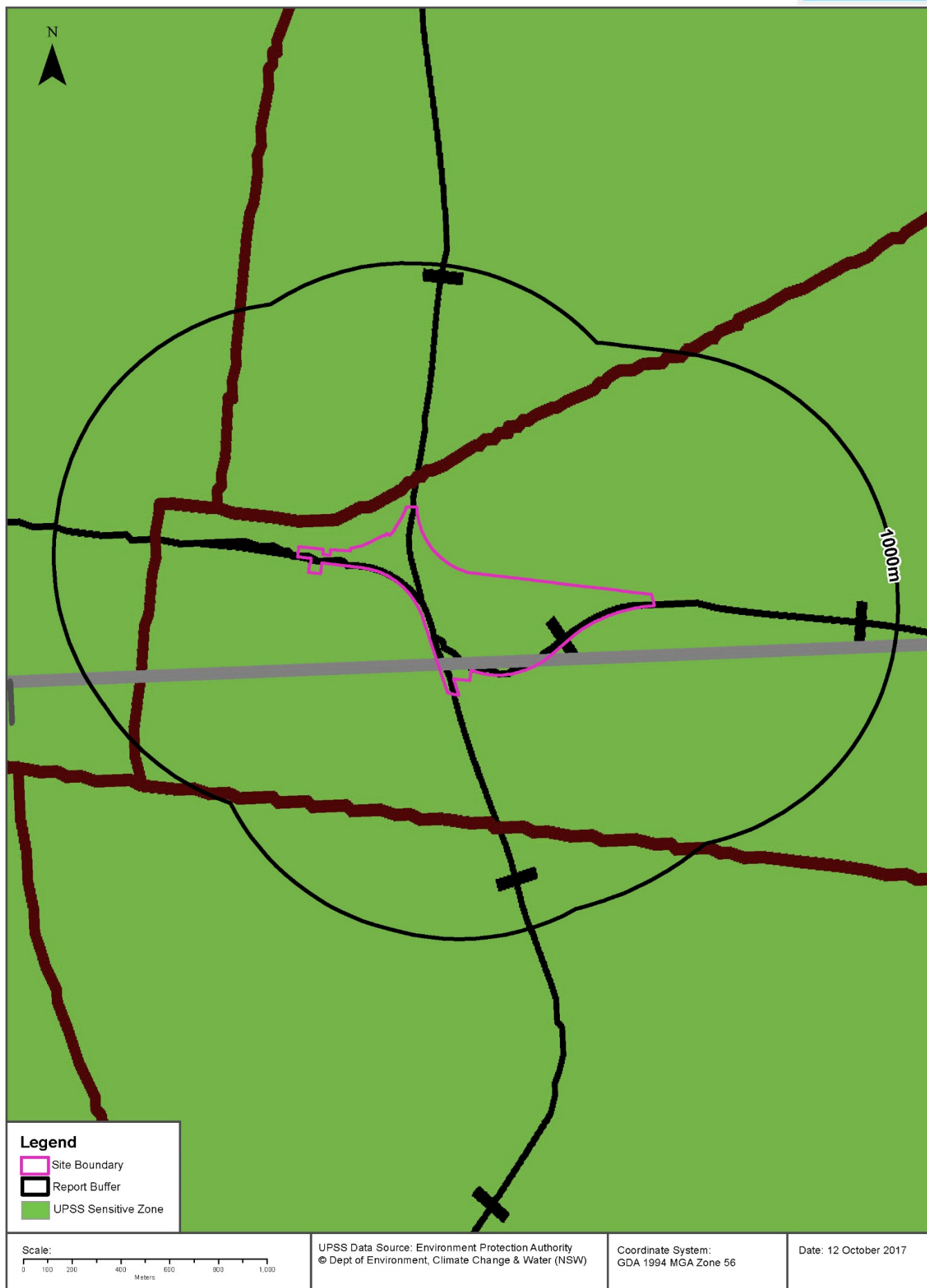
Former Licensed Activities Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority



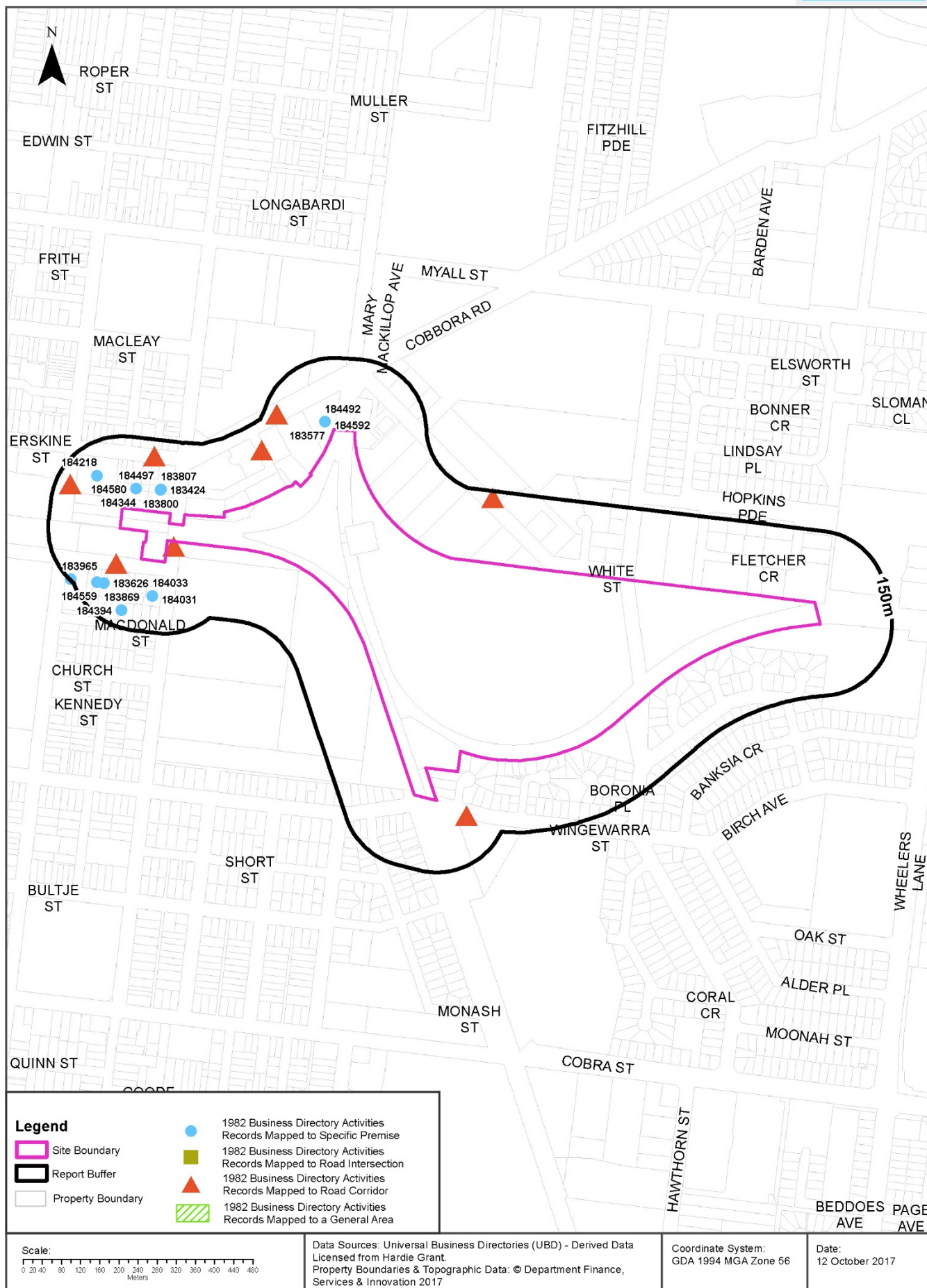
## UPSS Sensitive Zones

White Street, Dubbo, NSW 2830



# 1982 Historical Business Directory Records

White Street, Dubbo, NSW 2830



## Historical Business Directories

### White Street, Dubbo, NSW 2830

#### 1982 Business Directory Records Premise or Road Intersection Matches

Records from the 1982 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
BUILDERS SUPPLIERS.	Murray-Moore, J. (N.S.W.) Pty. Ltd., 33 Cobborsh Rd. Dubbo	183577	Premise Match	24m	North West
STEEL MERCHANTS.	Murray-Moore, J. (N.S.W.) Pty. Ltd., 33 Cobbora Rd. Dubbo	184492	Premise Match	24m	North West
WELDING EQUIPMENT &/OR SUPPLIES MFRS. &/OR DIST.	Murray-Moore, J. (N.S.W.) Pty. Ltd., 33 Cobbora Rd. Dubbo	184592	Premise Match	24m	North West
PRODUCE MERCHANTS WHOLESALE.	Furneys Stock Feeds, 115 Erskine St. Dubbo	184350	Premise Match	44m	West
STOCK FOODS MFRS. &/OR DIVS.	Furneys Stock Feeds, 115 Erskine St., Dubbo	184497	Premise Match	44m	West
WEIGHBRIDGES - PUBLIC.	Furneys Stock Feeds, 115 Erskine St., Dubbo	184580	Premise Match	44m	West
PRODUCE MERCHANTS RETAIL.	Furneys Stock Feeds., 115 Erskine St. Dubbo	184344	Premise Match	44m	West
ENGINEERS - GENERAL &/OR MANUFACTURING &/OR MECHANICAL.	Davis. P Engineereng, 177 Fitzroy St. Dubbo	183800	Premise Match	47m	North West
AGRICULTURAL MACHINERY REPAIRS.	Davis. P Engineering., 177 Fitzroy St. Dubbo	183424	Premise Match	47m	North West
ENGINEERS - PRECISION.	Davis. P. Engineering, 177 Fitzroy St-. Dubbo	183807	Premise Match	48m	North West
KITCHEN UNIT MFRS. &/OR DIST.	Hinds Joinery Works, 189 Fitzroy St. Dubbo	184033	Premise Match	74m	West
JOINERY MANUFACTURERS.	Hinds Joinery Works, 189 Fitzroy St., Dubbo	184031	Premise Match	74m	West
SHOP OR OFFICE FITTERS.	New Hinds Joinery Works, 189 Fitzroy St. Dubbo	184446	Premise Match	74m	West
MOTOR OIL &/OR SPIRIT DEPOTS.	Shell Co. Of Aust. Ltd. 109 Erskine St. Dubbo	184218	Premise Match	86m	West
CARPET &/OR FLOOR COVERING RETAILERS &/OR SPECIALISTS.	Whytes Furniture, 179 Talbragar St. Dubbo	183626	Premise Match	93m	West
FURNITURE &/OR FURNISHINGS - RETAIL.	Whytes Furniture., 179 Talbragar St. Dubbo	183869	Premise Match	93m	West
TYRE DEALERS, RETREADERS &/OR VULCANIZERS.	Mcleod, M. S Ltd. 177 Talbragar St. Dubbo	184559	Premise Match	104m	West
REFRIGERATOR SALES &/OR SERVICE.	O'Reillys Home Refrigeration Service., 10 Macdonald St. Dubbo	184394	Premise Match	115m	West
HOTELS - LICENSED.	Garden Hotel. The., 169 Talbragar St. Dubbo	183965	Premise Match	148m	West

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

#### 1982 Business Directory Records Road or Area Matches

Records from the 1982 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
VETERINARY SUPPLIES &/OR INSTRUMENTS-RETAIL.	Agrispray Pty. Ltd. . Fitzroy St. Dubbo	184568	Road Match	0m
ADVERTISING - NOVELTIES - MFRS. &/OR DIPS.	Agrispray Pty. Ltd. Fitzroy St.Dubbo	183402	Road Match	0m
AGRICULTURAL MACHINERY MFRS. &/OR IMPS 'OR DIST.	Agrispray Pty. Ltd., Fitzroy St. Dubbo	183415	Road Match	0m
BRICK MFRS. &/OR DIST.	Agrispray Pty. Ltd., Fitzroy St. Dubbo	183539	Road Match	0m
CONCRETE PRODUCTS MFRS. &/OR DIST. &/OR W/SALERS.	Agrispray Pty. Ltd., Fitzroy St. Dubbo	183698	Road Match	0m
ENGINEERS SUPPLIES.	Agrispray Pty. Ltd., Fitzroy St. Dubbo	183817	Road Match	0m
HYDRAULIC EQUIPMENT MFRS. &/OR DIST'S.	Agrispray Pty. Ltd., Fitzroy St. Dubbo	183975	Road Match	0m
SEED MERCHANTS.	Agrispray Pty. Ltd., Fitzroy St. Dubbo	184436	Road Match	0m
STATION &/OR FARM SUPPLIES.	Agrispray Pty. Ltd., Fitzroy St. Dubbo	184470	Road Match	0m
FURNITURE REMOVALISTS &/OR STORAGE.	Amos. M, (Dubbo) Pty. Ltd. . White St. Dubbo	183874	Road Match	0m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Ampol Service Station , Talbragar St. Dubbo	184187	Road Match	0m
CONCRETE READY MIXED SUPPLIERS.	Blue Rock Concrete., North Fitzroy St. Dubbo	183702	Road Match	0m
DEPARTMENTAL STORES.	Brennans, Talbragar St. Dubbo	183723	Road Match	0m
MOTOR OIL &/OR SPIRIT DEPOTS.	Caltex Oil (Aust.) Pty. Ltd . Fitzroy St. Dubbo	184216	Road Match	0m
PEST CONTROL.	Central West Pest Control, Fitzroy St.. South Dobbo	184291	Road Match	0m
ENGINEERS CONSULTING.	Concept Design', Fitzroy St. Dubbo	183788	Road Match	0m
ENGINEERS STRUCTURAL	Concept Designe., Fitzroy St. Dubbo	183812	Road Match	0m
FORK LIFT TRUCKS FIRING SERVICES.	Dubbo Fork Truck Service., Talbragar St. Dubbo	183850	Road Match	0m
SCHOOLS &/OR COLLEGES - PRIVATE &/OR PUBLIC.	Dubbo Technical College, Talbragar St. Dubbo	184419	Road Match	0m
GOVERNMENT DEPARTMENTS.	Egg Marketing Board Of N.S.W., White St. Dubbo	183903	Road Match	0m
GLASS MERCHANTS &/OR GLAZIERS.	Gooch Glazing , Fitzroy St. Dubbo	183890	Road Match	0m
SADDLERS.	Hiscock, B., Talbrsgr St. Dubbo	184412	Road Match	0m
MOTOR BUS SERVICES	Love's Dubbo Bus Service, Lot 401 White St. Dubbo	184145	Road Match	0m
BAG &/OR SACK MERCHANTS.	Mcdonnell , V. White St. Dubbo	183503	Road Match	0m
SCRAP METAL MERCHANTS.	Mcdonnell , V. White St. Dubbo	184426	Road Match	0m
STEEL MERCHANTS.	Mcdonnell , V. White St. Dubbo	184491	Road Match	0m
SCHOOLS &/OR COLLEGES - PRIVATE &/OR PUBLIC.	North Dubbo Primary, Fitzroy St. Dubbo	184420	Road Match	0m
GOVERNMENT DEPARTMENTS.	Railways, Dept. Of, Talbragar St. Dubbo	183914	Road Match	0m
SCHOOLS &/OR COLLEGES - PRIVATE &/OR PUBLIC.	St Lawrences Primary School., Fitzroy St. South Dubbo. Dubbo	184422	Road Match	0m
LIVESTOCK CARRIERS.	Thompson Bros, Livestock Pty. Ltd., Fitzroy St. Dubbo	184050	Road Match	0m
LIVESTOCK CARRIERS.	Thompson Bros. Livestock Pty. Ltd. Fitzroy Street, Dubbo	184042	Road Match	0m
ROAD TRANSPORT SERVICES - INTERSTATE.	Thompson Bros. Livestock Pty. Ltd., Fitzroy St. Dubbo	184402	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Thompson Freightlines, Fitzroy St. Dubbo	183641	Road Match	0m
LIVESTOCK CARRIERS.	Thompson, H. R., Fitzroy St.. West Dubbo	184051	Road Match	0m
CARRIERS &/OR CARTAGE CONTRACTORS.	Thompson. H. R., Fitzroy St.. West Dubbo	183642	Road Match	0m
MOTOR OIL &/OR SPIRIT DEPOTS.	Total (Aust.) Ltd. White St. Dubbo	184219	Road Match	0m

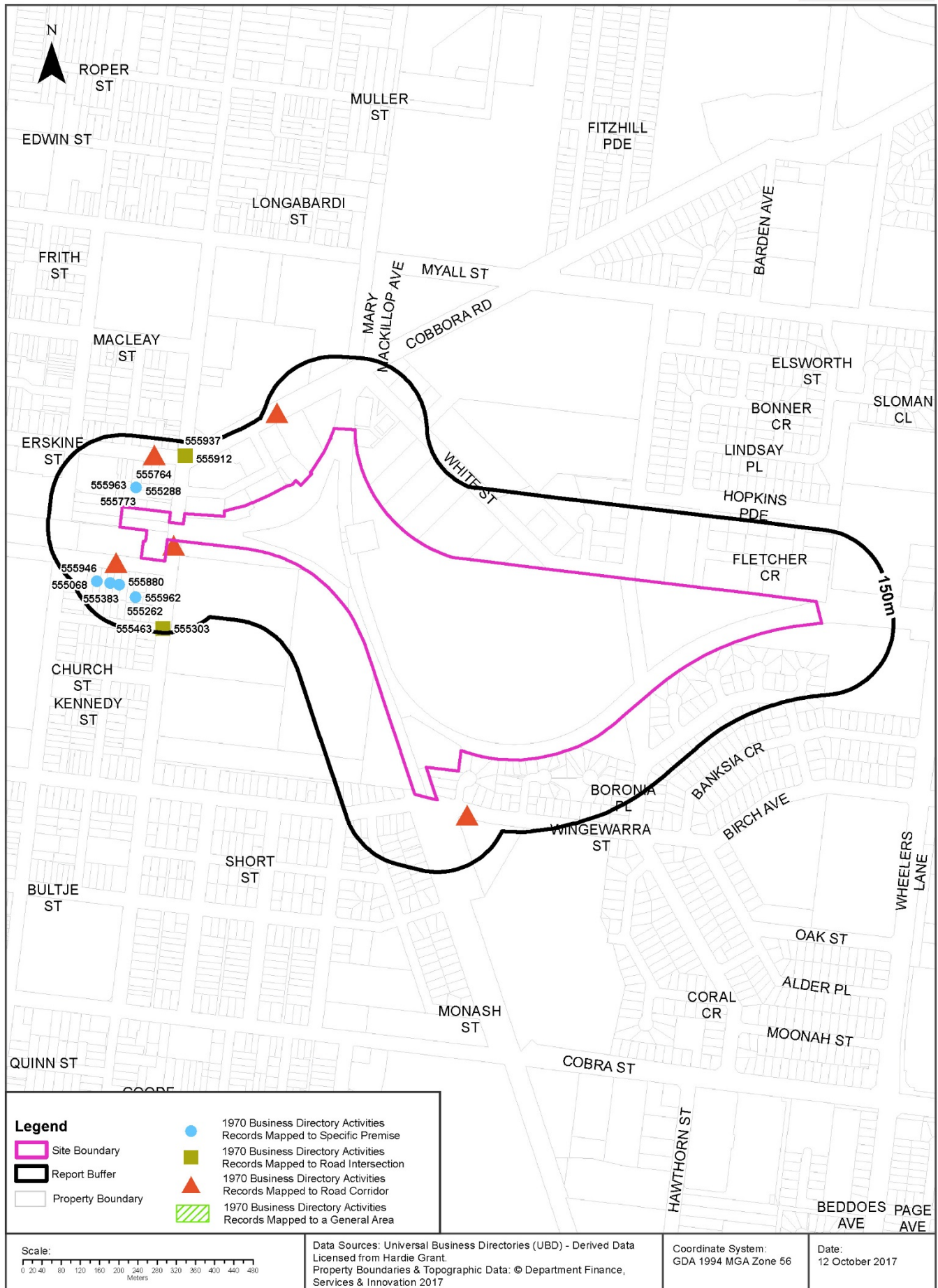
Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
HOSPITALS &/OR HEALTH CENTRES.	Baby Health Centre., Wingewarra St. Dubbo	183956	Road Match	24m
ASSOCIATIONS, SOCIETIES, CLUBS &/OR SPORTING BODIES.	Dubbo Bowling Club., Wingewarra St. Dubbo	183463	Road Match	24m
ASSOCIATIONS, SOCIETIES, CLUBS &/OR SPORTING BODIES.	Dubbo Croquet Club., Wingewarra St. Dubbo	183465	Road Match	24m
SCHOOLS &/OR COLLEGES - PRIVATE &/OR PUBLIC.	Dubbo High School., Wingewarra St. Dubbo	184416	Road Match	24m
ASSOCIATIONS, SOCIETIES, CLUBS &/OR SPORTING BODIES.	Dubbo Rugby Union Club., Wingewarra St. Dubbo	183471	Road Match	24m
ASSOCIATIONS, SOCIETIES, CLUBS &/OR SPORTING BODIES.	R.S.L. Memorial Club., , Wingewarra St. Dubbo	183478	Road Match	24m
REAL ESTATE, STOCK & STATION AGENTS.	Ramsay F & Co ., Wingewarra St. Dubbo	184383	Road Match	24m
ASSOCIATIONS, SOCIETIES, CLUBS &/OR SPORTING BODIES.	Tennis Club., Wingewarra St. Dubbo	183481	Road Match	24m
BISCUIT MFRS. OR DIST.	Arnotts Biscuits Pty Ltd., King St. Dubbo	183521	Road Match	57m
TYRE DEALERS, RETREADERS &/OR VULCANIZERS.	Steel Cat Centre. Warehouse 2, Lot 3500, King St. Dubbo	184562	Road Match	57m
PLUMBERS SUPPLIES.	Astley.L & Son., Cobbora Rd. Dubbo	184327	Road Match	66m
HARDWARE BUILDERS SUPPLIES.	Astley. L. & Son., Cobbora Rd. Dubbo	183943	Road Match	66m
HOSPITALS &/OR HEALTH CENTRES.	Dubbo Base Hospital , Cobbora Rd. Dubbo	183957	Road Match	66m
BUILDERS SUPPLIERS.	Lysaght Brownbuilt Industries Cobbora Road, Dubbo	183576	Road Match	66m
ROOFING CONTRACTORS &/OR REPAIRERS.	Lysaght Brownbuilt Industries Cobbora Road, Dubbo	184406	Road Match	66m
ROOFING MANUFACTURERS.'. .	Lysaght Brownbuilt Industries Cobbora Road, Dubbo	184407	Road Match	66m
STEEL MERCHANTS - GENERAL.	Lysaght Brownbuilt Industries Cobbora Road, Dubbo	184493	Road Match	66m
STEEL MERCHANTS.	Lysaght Brownbuilt Industries Cobbora Road, Dubbo	184490	Road Match	66m
LOCAL BODIES.	Postal Engineering Centre., Cobbora Rd. Dubbo	184056	Road Match	66m
TIMBER MERCHANTS &/OR SAWMILLERS.	Ramiens Timber Co. (Dubbo) , Cobbora Rd. Dubbo	184529	Road Match	66m
MOTOR OIL &/OR SPIRIT DEPOTS.	British Petroleum (Aust.) Ltd., Erskine St. Dubbo	184215	Road Match	101m
MOTOR OIL &/OR SPIRIT DEPOTS.	Mobiloil (Aust.) Pty Ltd.. Erskine St. Dubbo	184217	Road Match	101m
PLUMBERS, GASFITTERS &/OR DRAINLAYERS.	Burley, W. E. A., Gipps St. Dubbo	184320	Road Match	105m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant



# 1970 Historical Business Directory Records

White Street, Dubbo, NSW 2830



# Historical Business Directories

## White Street, Dubbo, NSW 2830

### 1970 Business Directory Records Premise or Road Intersection Matches

Records from the 1970 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
PRODUCE MERCHANTS-GRAIN & SEED-RETAIL	Furneys Stock Feeds, 115 Erskine St. Dubbo	555764	Premise Match	44m	West
PRODUCE MERCHANTS-WHOLESALE	Furneys Stock Feeds, 115 Erskine St. Dubbo	555773	Premise Match	44m	West
STOCK FOODS MANUFACTURERS	Furneys Stock Feeds, 115 Erskine St. Dubbo	555882	Premise Match	44m	West
WEIGHBRIDGES	Furneys Stock Feeds, 115 Erskine St. Dubbo	555963	Premise Match	44m	West
FURNITURE REMOVALISTS & STORAGE	Wridgways Pty. Ltd., 117 Erskine St. Dubbo	555288	Premise Match	44m	West
HARDWARE & BUILDERS' SUPPLIES	Sorbys Limited, 183 Talbragar St. Dubbo	555371	Premise Match	73m	West
STEEL MERCHANTS-GENERAL	Sorbys Limited, 183 Talbragar St. Dubbo	555880	Premise Match	73m	West
PLUMBERS' SUPPLIES	Sorbys Ltd., 183 Talbragar St. Dubbo	555752	Premise Match	73m	West
HOTEL/MOTEL EQUIPMENT & SUPPLIES	Sorbys Ltd., 183 Talbragar St. Dubbo	555383	Premise Match	73m	West
ENGINEERS' SUPPLIES	Sorbys Ltd., 183 Talbragar St. Dubbo	555240	Premise Match	73m	West
FOODS-FROZEN-SPECIALISTS	Barretts Frozen Foods Pty. Ltd., 181 Talbragar St. Dubbo	555260	Premise Match	83m	West
FORK LIFT TRUCK HIRING SERVICE	Dubbo Fork Truck Service, 187 Talbragar St. Dubbo	555262	Premise Match	83m	West
WEIGHBRIDGES	Dubbo Fork Truck Service, 187 Talbragar St. Dubbo	555962	Premise Match	83m	West
TYRE DEALERS, RETREADERS & VULCANIZERS	McLeod, M. S. Limited, 177 Talbragar St. Dubbo	555946	Premise Match	104m	West
AIR COMPRESSOR MFRS. & DIST.	McLeod, M. S. Limited, 177 Talbragar St. Dubbo	554906	Premise Match	104m	West
BATTERY SALES & SERVICE	McLeod, M. S. Limited, 177 Talbragar St. Dubbo	554994	Premise Match	104m	West
BUILDINGS-PREFABRICATED-MFRS. & DIST.	McLeod, M. S. Limited, 177 Talbragar St. Dubbo	555068	Premise Match	104m	West
TIMBER MERCHANTS & SAWMILLERS	Peters, C. A. J. Pty. Ltd., Cnr. Cobbora Rd. & Fitzroy St., North Dubbo Dubbo	555922	Road Intersection	120m	North West
BOILERMAKERS	Welding Enterprises, Cnr. Fitzroy & Erskine St. Dubbo	555018	Road Intersection	120m	North West
WELDERS-ELECTRIC & OXY	Welding Enterprises, Cnr. Fitzroy & Erskine Stj. Dubbo	555974	Road Intersection	120m	North West
TRAILER & SEMI-TRAILER MFRS. &/OR DISTRIBUTORS	Welding Enterprises, Cnr. Fitzroy & Erskine Sts. Dubbo	555937	Road Intersection	120m	North West
Page, A. V. Pty. Ltd., Morgan St., North Dubbo Dubbo	Welding Enterprises, Cnr. Fitzroy & Erskine Sts. Dubbo	554893	Road Intersection	120m	North West
STEEL FABRICATORS	Welding Enterprises, Cnr. Fitzroy & Erskine Sts. Dubbo	555879	Road Intersection	120m	North West
TANK & TANK STAND MFRS. &/OR DIST.	Welding Enterprises, Cnr. Fitzroy & Erskine Sts. Dubbo	555912	Road Intersection	120m	North West
JOINERY MANUFACTURERS	Hinds Joinery Works, Cnr. McDonald & Fitzroy Sts. Dubbo	555463	Road Intersection	141m	West
GLASS MERCHANTS & GLAZIERS	Hinds Joinery Works, Cnr. McDonald & Fitzroy Sts. Dubbo	555303	Road Intersection	141m	West

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## 1970 Business Directory Records Road or Area Matches

Records from the 1970 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
MOTOR OIL & SPIRIT DEPOTS	Caltex Oil (Aust.) Pty. Ltd., Fitzroy St. Dubbo	555648	Road Match	0m
PEST CONTROL	Central West Pest Control, Fitzroy St., Dubbo South	555716	Road Match	0m
HOTELS-LICENSED	Civic Hotel, Talbragar St. Dubbo	555386	Road Match	0m
GOVERNMENT DEPARTMENTS	Dept. of Railways, Talbragar St. Dubbo	555315	Road Match	0m
AGRICULTURAL CHEMICAL IMPS. &/OR DIST.	Elder Smith, Goldsbrough Mort Ltd., IB Talbragar St. Dubbo	554875	Road Match	0m
TYRE DEALERS, RETREADERS & VULCANIZERS	Great Western Rubber Works (The), Talbragar St. Dubbo	555945	Road Match	0m
PLUMBERS. GASFITTERS & DRAINLAYERS	Ison, M. & S., Fitzroy St., South Dubbo	555745	Road Match	0m
SCHOOLS & COLLEGES-PRIVATE & PUBLIC	North Dubbo School, Fitzroy St. Dubbo	555822	Road Match	0m
HOTELS-LICENSED	Pastoral Hotel, Talbragar St. Dubbo	555391	Road Match	0m
FRUIT & VEGETABLE MERCHANTS &/OR W'SALERS	Talbragar St. Dubbo	555266	Road Match	0m
LIVESTOCK CARRIERS	Thompson Bros. Livestock Pty. Ltd., Fitzroy St. Dubbo	555484	Road Match	0m
ROAD TRANSPORT SERVICES-INTERSTATE	Thompson Bros. Livestock Pty. Ltd., Fitzroy St. Dubbo	555805	Road Match	0m
ROAD TRANSPORT SERVICES-N.S.W.	Thompson Bros. Livestock Pty. Ltd., Fitzroy St. Dubbo	555808	Road Match	0m
ENGINEERS-GENERAL, MFRG. & MECHANICAL	Welding Enterprises, Fitzroy St. Dubbo	555229	Road Match	0m
MOTOR BODY BUILDERS &/OR REPAIRERS	Welding Enterprises, Fitzroy St. Dubbo	555586	Road Match	0m
HAIRDRESSERS-GENT.'S	Bruin, D. & Son, Wingewarra St. Dubbo	555355	Road Match	24m
ASSOCIATIONS, SOCIETIES, CLUBS & SPORTING BODIES	Dubbo Red Cross Society, Wingewarra St. Dubbo	554941	Road Match	24m
AUCTIONEERS-GENERAL	Richardson, B. & Sinclair, P., Wingewarra St. Dubbo	554965	Road Match	24m
HARDWARE & BUILDERS' SUPPLIES	Wallace & McGee (Sales) Pty. Ltd. Wingewarra Street, Dubbo	555372	Road Match	24m
ALUMINIUM WINDOW FRAME MFRS. &/OR DIST.	Beatty & McCulloch, off Cobbora Rd. Dubbo	554917	Road Match	66m
DOOR MANUFACTURERS &/OR DISTRIBUTORS	Beatty & McCulloch, off Cobbora Rd. Dubbo	555165	Road Match	66m
FLYSCREEN DOOR, WINDOW, MFRS. &/OR DIST.	Beatty & McCulloch, off Cobbora Rd. Dubbo	555258	Road Match	66m
GLASS MERCHANTS & GLAZIERS	Beatty & McCulloch, Off Cobbora Rd. Dubbo	555302	Road Match	66m
JOINERY MANUFACTURERS	Beatty & McCulloch, Off Cobbora Rd. Dubbo	555461	Road Match	66m
AIR CONDITIONING SALES & SERVICE	Beatty & McCulloch, Off Cobbora Rd. Dubbo	554908	Road Match	66m
MIXED BUSINESSES	Howells, R. H. & R. I., 152 Cobbora St. Dubbo	555551	Road Match	66m
BRICK, PIPE & TILE MANUFACTURERS	Monier Pipe Co. Pty. Ltd., Cobbora Rd. Dubbo	555034	Road Match	66m
CONCRETE PRODUCTS MFRS. &/OR DIST.	Monier Pipe Co. Pty. Ltd., Cobbora Rd., North Dubbo Dubbo	555147	Road Match	66m
PIPE MANUFACTURERS-CONCRETE	Monier Pipe Co. Pty. Ltd., Cobbora Rd., North Dubbo Dubbo	555731	Road Match	66m
PIPES & PIPE FITTINGS MFRS. &/OR DIST.	Monier Pipe Co. Pty. Ltd., Cobbora Rd., North Dubbo Dubbo	555732	Road Match	66m
HARDWARE & BUILDERS' SUPPLIES	PETERS C & J PTY LTD DUBBO, COBBORA RD, NORTH DUBBO, 2830	314866	Road Match	66m
HARDWARE & BUILDERS' SUPPLIES	Peters, C. A. J. Pty. Ltd., Cobbora Rd., North Dubbo. Dubbo	555370	Road Match	66m

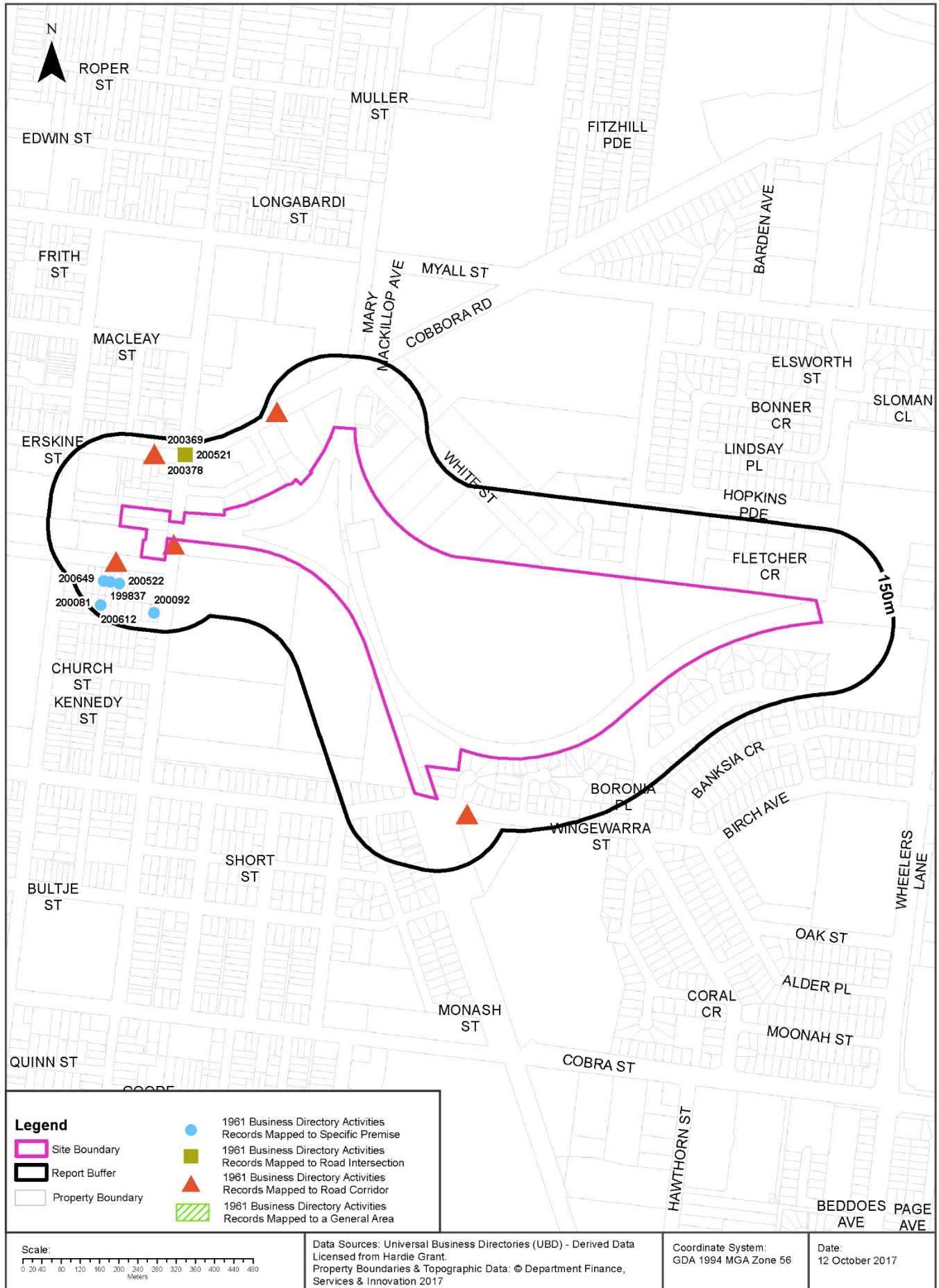


Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
LOCAL BODIES	Postal Engineering Centre, Cobbora Rd. Dubbo	555492	Road Match	66m
MOTOR OIL & SPIRIT DEPOTS	Total Oil Products (Aust.) Ltd., Cobbora Rd. Dubbo	555652	Road Match	66m
MOTOR OIL & SPIRIT DEPOTS	B.P. (Aust.) Limited, Erskine St. Dubbo	555647	Road Match	101m
INSURANCE AGENTS	British Petroleum (Aust.) Ltd., Erskine St. Dubbo	555403	Road Match	101m
GOVERNMENT DEPARTMENTS	Pastures Protection Board, Erskine St., North Dubbo	555326	Road Match	101m
ASSOCIATIONS, SOCIETIES, CLUBS & SPORTING BODIES	Railway Institute Bowling Club, Erskine St., North Dubbo	554954	Road Match	101m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

# 1961 Historical Business Directory Records

White Street, Dubbo, NSW 2830



## Historical Business Directories

### White Street, Dubbo, NSW 2830

### 1961 Business Directory Records Premise or Road Intersection Matches

Records from the 1961 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
STEEL MERCHANTS-GENERAL	Fompak Pty. Ltd., 183 Talbragar St., Dubbo	200522	Premise Match	73m	West
FIBROUS PLASTER MANUFACTURERS	Thomas & Porch, 181 Talbragar St., Dubbo	199836	Premise Match	83m	West
FIBROUS PLASTER MANUFACTURERS	Thomas, N. J., Poret, L. L. 181 Talbragar St., Dubbo	199837	Premise Match	83m	West
WOOL, SKIN & HIDE BUYERS	Riley, Newman Pty. Ltd., 179 Talbragar St., Dubbo	200649	Premise Match	93m	West
JOINERY MANUFACTURERS	Hinds, G. E. & R. F., 20 McDonald St., Dubbo	200092	Premise Match	113m	West
SHEARING CONTRACTORS	Edwards, L. A., Fitzroy & Erskine Sts., Dubbo	200487	Road Intersection	120m	North West
PLUMBERS' SUPPLIES	Peters Pty. Ltd., Cnr. Cobbora & Fitzroy Sts., North Dubbo	200408	Road Intersection	120m	North West
JOINERY MANUFACTURERS	Peters, C. & J. Pty. Ltd., Cnr. Cobbora & Fitzroy Sts., Dubbo	200093	Road Intersection	120m	North West
PAINT, VARNISH & COLOUR MFRS. & SUPPLIERS	Peters, C. A. J. Pty. Ltd., Cnr. Cobbora & Fitzroy Sts., North Dubbo	200369	Road Intersection	120m	North West
PAINTERS' SUPPLIES & REQUISITES	Peters, C. A. J. Pty. Ltd., Cnr. Cobbora & Fitzroy Sts., North Dubbo	200378	Road Intersection	120m	North West
RANGES-SLOW COMBUSTION-IMPORTERS &/OR DISTRIBUTORS	Peters, C. A. J. Pty. Ltd., Cnr. Cobbora & Fitzroy Sts., North Dubbo	200440	Road Intersection	120m	North West
HARDWARE DEALERS & IRONMONGERS	Peters, C. A. J. Pty. Ltd., Cnr. Cobbora & Fitzroy Sts., North Dubbo	200008	Road Intersection	120m	North West
BUILDERS' SUPPLIERS	Peters, C. A. J. Pty. Ltd., Cnr. Cobbora & Fitzroy Sts., North Dubbo	199606	Road Intersection	120m	North West
READY-CUT HOMES	Peters, C. A. J., Cnr. Cobbora and Fitzroy Sts., Dubbo	200444	Road Intersection	120m	North West
BOILERMAKERS	Welding Enterprises, Cnr. Fitzroy & Erskine St., Dubbo	199560	Road Intersection	120m	North West
AGRICULTURAL MACHINERY DEALERS	Welding Enterprises, Cnr. Fitzroy & Erskine Sts., Dubbo	199482	Road Intersection	120m	North West
STEEL FABRICATION	Welding Enterprises, Cnr. Fitzroy & Erskine Sts., Dubbo	200521	Road Intersection	120m	North West
MOTOR BODY BUILDERS &/OR REPAIRERS	Welding Enterprises, Cnr. Fitzroy & Erskine Sts., Dubbo	200227	Road Intersection	120m	North West
ENGINEERS-GENERAL, MFRG. & MECHANICAL	Welding Enterprises, Cnr. Fitzroy & Erskine Sts., Dubbo	199815	Road Intersection	120m	North West
CHAIR MANUFACTURERS-METAL	Welding Enterprises, Fitzroy and Erskine Sts., Dubbo	199703	Road Intersection	120m	North West
VETERINARY SURGEONS-REGISTERED	Cole, V. G., 6 MacDonald St., Dubbo	200612	Premise Match	131m	West
INTERIOR DECORATORS	Searls, 6 McDonald St., Dubbo	200081	Premise Match	131m	West

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant



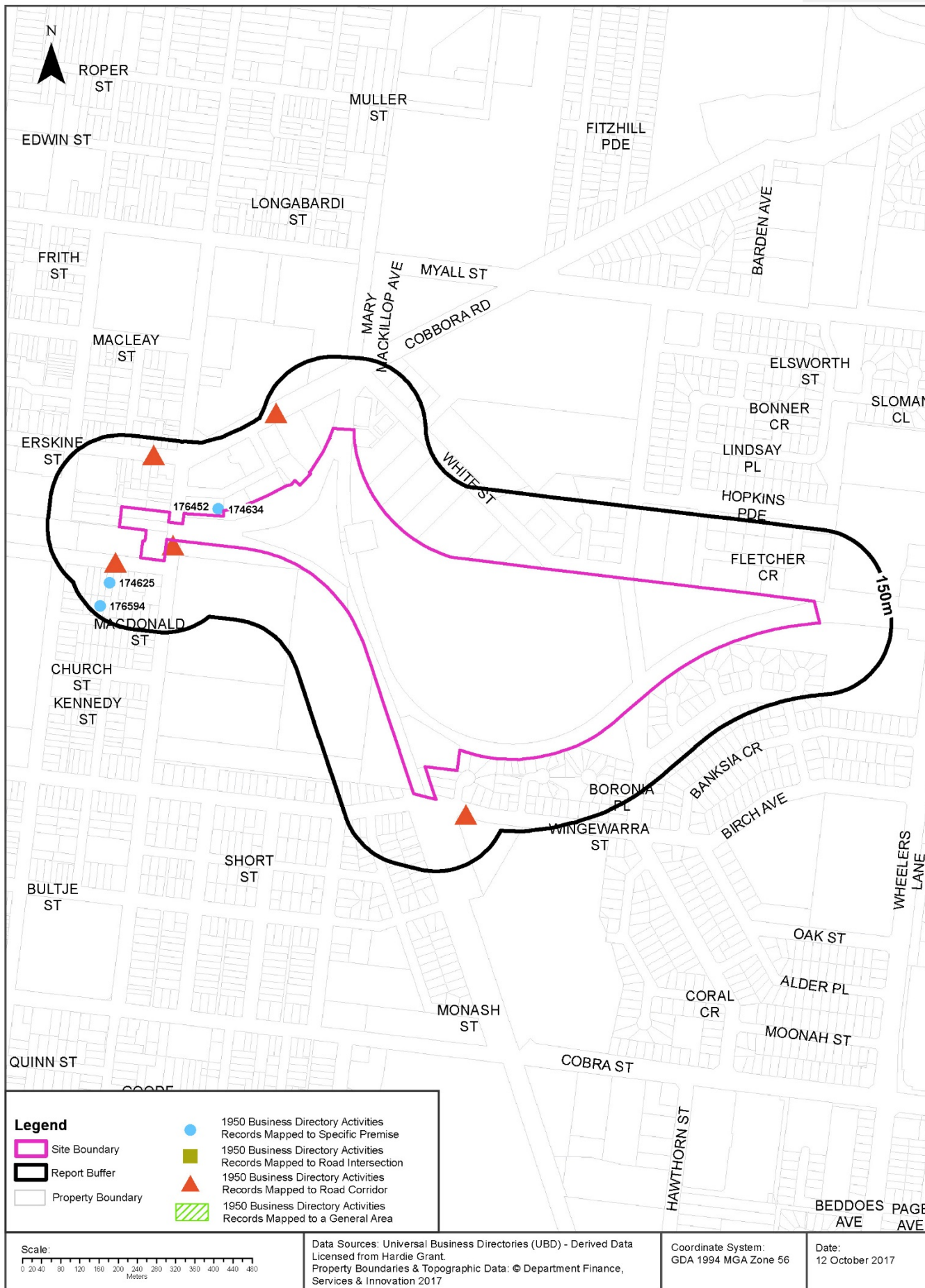
## 1961 Business Directory Records Road or Area Matches

Records from the 1961 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
MOTOR OIL & SPIRIT DEPOTS	Caltex Oil (Aust.) Pty. Ltd., Fitzroy St., Dubbo	200290	Road Match	0m
DEPARTMENT STORES	Clark, Marcus & Co. Ltd., Talbragar St., Dubbo	199743	Road Match	0m
CYCLE DEALERS, REPAIRERS & ACCESSORIES	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	199726	Road Match	0m
GENERAL MERCHANTS	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	199915	Road Match	0m
HARDWARE DEALERS & IRONMONGERS	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	200005	Road Match	0m
REFRIGERATOR DEALERS &/OR SERVICEMEN	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	200449	Road Match	0m
SEWING MACHINE DEALERS	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	200484	Road Match	0m
WASHING MACHINE SALES & SERVICE	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	200614	Road Match	0m
FURNITURE & CABINET MAKERS	Clark, Marcus and Co., Ltd., Talbragar St., Dubbo	199898	Road Match	0m
GOVERNMENT DEPARTMENTS	Dept, of Railways, Talbragar St., Dubbo	199924	Road Match	0m
CLUBS & SPORTS BODIES	Dubbo Gun Club, Rifle Range Dubbo Turf Club, Talbragar St., Dubbo	199719	Road Match	0m
TYRE DEALERS, RETREADERS & VULCANIZERS	Great Western Rubber Works (The), Talbragar St., Dubbo	200606	Road Match	0m
INSURANCE COMPANIES-GENERAL	Gresham Fire & Accident Insurance Society Ltd., Fitzroy St., North Dubbo	200066	Road Match	0m
FENCE & GATE MFRS.	Haley and Conroy, Fitzroy St., Dubbo	199830	Road Match	0m
BAKERS-BREAD	Kookaburra, Talbragar St., Dubbo	199520	Road Match	0m
MILK VENDORS	Kookaburra, Talbragar St., Dubbo	200162	Road Match	0m
DEPARTMENT STORES	Marcus Clark & Co Ltd., Talbragar St., Dubbo	199742	Road Match	0m
SCHOOLS & COLLEGES-PRIVATE & PUBLIC	North Dubbo School, Fitzroy St., Dubbo	200467	Road Match	0m
CAFES, TEA ROOMS & COFFEE LOUNGES, ETC.	Rounis Bros., SI Talbragar St., Dubbo	199647	Road Match	0m
FURNITURE & CABINET MAKERS	Walton's, Talbragar St., Dubbo	199901	Road Match	0m
GROCERS & GENERAL STOREKEEPERS	Brien, D. & J., Wingewarra St., Dubbo	199945	Road Match	24m
DELICATESSENS	Bruin, D. & J., Wingewarra St., Dubbo	199733	Road Match	24m
FRUITERERS & GREENGROCERS	Poulos, C., Wingewarra St., Dubbo	199887	Road Match	24m
CLUBS & SPORTS BODIES	R.S.S. & A.I.L.A. Sub-Branch, Wingewarra St., Dubbo	199721	Road Match	24m
PICTURE THEATRES	Royal Theatre, Wingewarra St., Dubbo	200392	Road Match	24m
FRUITERERS & GREENGROCERS	Howells, R. H. and R. I., 152 Cobbora St., Dubbo	199880	Road Match	66m
GROCERS & GENERAL STOREKEEPERS	Howells, R. H. and R. I., 152 Cobbora St., Dubbo	199960	Road Match	66m
BRICK, PIPE & TILE MANUFACTURERS	Monier Pipe Co. Pty. Ltd., Cobbora Rd., Dubbo	199576	Road Match	66m
PIPE MANUFACTURERS-CONCRETE	Monier Pipe Co. Pty. Ltd., Cobbora Rd., North Dubbo, Dubbo	200393	Road Match	66m
CONCRETE PIPE MANUFACTURERS	Monier Pipe Company Pty. Limited., Cobbora Rd., Dubbo	199725	Road Match	66m
LOCAL BODIES	Postal Engineering Centre, Cobbora Rd., Dubbo	200114	Road Match	66m
MOTOR OIL & SPIRIT DEPOTS	B.P. (Aust.) Limited., Erskine St., Dubbo	200289	Road Match	101m
MOTOR OIL & SPIRIT DEPOTS	Vacuum Oil Co. Pty. Ltd., Erskine St., , Dubbo	200294	Road Match	101m

# 1950 Historical Business Directory Records

White Street, Dubbo, NSW 2830



## Historical Business Directories

### White Street, Dubbo, NSW 2830

#### 1950 Business Directory Records Premise or Road Intersection Matches

Records from the 1950 UBD Business Directory, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Feature Point	Direction
FLORISTS	Fitzroy Gardens (M. McGinnity), 170 Fitzroy St., Dubbo	174634	Premise Match	12m	North West
SEEDSMEN & NURSERYMEN	Fitzroy Gardens (M. McGinnity), 170 Fitzroy St., Dubbo	176452	Premise Match	12m	North West
FIBROUS PLASTER MANUFACTURERS	Dubbo Wonderboard Company, 181 Talbragar St., Dubbo	174625	Premise Match	83m	West
VETERINARY SURGEONS	Cole, V. G., 6 MacDonald St., Dubbo	176594	Premise Match	131m	West

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

#### 1950 Business Directory Records Road or Area Matches

Records from the 1950 UBD Business Directory, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
HOSIERY MANUFACTURERS	Bonds Industrie; Ltd., Talbragar St., Dubbo	174846	Road Match	0m
CLOTHING MANUFACTURERS-UNDERWEAR	Bonds Industries Ltd., Talbragar St., Dubbo	174509	Road Match	0m
TEXTILE MANUFACTURERS	Bonds Industries Ltd., Talbragar St., Dubbo	176544	Road Match	0m
HOSTELS	C.W.A. Matthew Robinson Hostel for Girls, Fitzroy St., Dubbo	174854	Road Match	0m
MOTOR OIL & SPIRIT MERCHANTS	Caltex Limited, Fitzroy St., Dubbo	175048	Road Match	0m
DEPARTMENT STORES	Clark, Marcus & Co. Ltd. Talbragar St., Dubbo	174557	Road Match	0m
CHINA & GLASSWARE RETAILERS	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	174502	Road Match	0m
CYCLE DEALERS &/OR REPAIRERS	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	174516	Road Match	0m
DEPARTMENT STORES	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	174558	Road Match	0m
DRAPERS-RETAIL	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	174561	Road Match	0m
FOOTWEAR RETAILERS	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	174640	Road Match	0m
HARDWARE & IRONMONGERY RETAILERS	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	174828	Road Match	0m
MANCHESTER SPECIALISTS	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	174940	Road Match	0m
MERCERS & MEN'S OUTFITTERS	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	174955	Road Match	0m
OUTFITTERS-LADIES' & CHILDREN'S	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	175135	Road Match	0m
RADIO DEALERS &/OR SERVICEMEN	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	175191	Road Match	0m
SPORTS GOODS RETAILERS	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	176488	Road Match	0m



Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
TAILORS-LADIES' &/OR GENT.'S	Clark, Marcus and Co. Ltd., Talbragar St., Dubbo	176503	Road Match	0m
FURNITURE & FURNISHINGS	Clark, Marcus and Co., Ltd., Talbragar St., Dubbo	174687	Road Match	0m
HAIRDRESSERS &/OR TOBACCONISTS	Dasey, Jâ Talbragar St., Dubbo	174816	Road Match	0m
NEWSAGENTS	Davies, A. E., Talbragar. St., Dubbo	175124	Road Match	0m
GIFT SHOPS	Davies, A. F., Talbragar St., Dubbo	174701	Road Match	0m
RADIO DEALERS &/OR SERVICEMEN	Davies, A. F., Talbragar St., Dubbo	175192	Road Match	0m
MILLINERY-RETAIL	Del-Ree Salon, Talbragar St., Dubbo	174995	Road Match	0m
MERCERS & MEN'S OUTFITTERS	Fosseys Pty. Ltd., Talbragar St., Dubbo	174957	Road Match	0m
DRAPERS-RETAIL	Fosseys Pty. Ltd., Talbragar St., Dubbo	174563	Road Match	0m
OUTFITTERS-LADIES' & CHILDREN'S	Fosseys Pty. Ltd., Talbragar St., Dubbo	175137	Road Match	0m
DELICATESSENS	Goodlands Grocery, Talbragar St., Dubbo	174536	Road Match	0m
GROCERS & GENERAL STOREKEEPERS	Goodlands Grocery, Talbragar St., Dubbo	174766	Road Match	0m
HOTELS	Great Western (The) (H. W. Morris, Licensee), Talbragar St., Dubbo	174861	Road Match	0m
TYRE RETREADERS & VULCANIZERS	Great Western Rubber Works (The) (B. and M. Ison), Talbragar St., Dubbo	176589	Road Match	0m
TYRE DEALERS & REPAIRERS	Great Western Rubber Works (The) (B. and M. Ison), Talbragar St., Dubbo	176584	Road Match	0m
MOTOR GARAGES & ENGINEERS	Hawkins, A. E., Talbragar St., Dubbo	175034	Road Match	0m
GIFT SHOPS	Hunt, A. E., Talbragar St., Dubbo	174705	Road Match	0m
NEWSAGENTS	Hunt, A. E., Talbragar St., Dubbo	175125	Road Match	0m
BAKERS & PASTRYCOOKS	Kookaburra, Talbragar St., Dubbo	174321	Road Match	0m
MILK VENDORS	Kookaburra, Talbragar St., Dubbo	174987	Road Match	0m
DRY CLEANERS & DYERS	Maunus and Myers, Talbragar St., Dubbo	174573	Road Match	0m
SADDLERS	Poole, E. A., Talbragar St., Dubbo	176429	Road Match	0m
PRODUCE MERCHANTS-RETAIL	Prescott Pty. Ltd., Talbragar St., Dubbo	175180	Road Match	0m
HOTELS	Railway Hotel, Talbragar St., Dubbo	174865	Road Match	0m
SKIN & HIDE MERCHANTS	Riley, Newman Pty. Ltd., Talbragar St., Dubbo	176477	Road Match	0m
WOOL MERCHANTS	Riley, Newman Pty. Ltd., Talbragar St., Dubbo	176639	Road Match	0m
MOTOR CAR & TRUCK DEALERS	Western Motor Auctions, Talbragar St., Dubbo	175018	Road Match	0m
GROCERS-WHOLESALE	Wright Heaton, Talbragar St., Dubbo	174801	Road Match	0m
FURNITURE & FURNISHINGS	Adams, W. H., Wingewarra St., Dubbo	174684	Road Match	24m
MEDICAL PRACTITIONERS	Anderson, Dr. C. H., Wingewarra St., Dubbo	174945	Road Match	24m
BABY HEALTH CENTRES	Baby Health Centre, Wingewarra St., Dubbo	174314	Road Match	24m
MOTOR GARAGES & ENGINEERS	Bayley, Reg., Wingewarra St., Dubbo	175029	Road Match	24m
FURNITURE & FURNISHINGS	Browns Furniture Warehouse, Wingewarra St., Dubbo	174686	Road Match	24m
MEDICAL PRACTITIONERS	Conlon, Dr. Leonard T., Wingewarra St., Dubbo	174950	Road Match	24m
GROCERS & GENERAL STOREKEEPERS	Logue, J., Wingewarra St., Dubbo	174772	Road Match	24m
SADDLERS	Marks, A. J., Wingewarra St., Dubbo	176428	Road Match	24m
GROCERS & GENERAL STOREKEEPERS	McManus, J. J., Wingewarra St., Dubbo	174775	Road Match	24m
MEDICAL PRACTITIONERS	Roberts, Dr. C. E., Wingewarra St., Dubbo	174953	Road Match	24m

Business Activity	Premise	Ref No.	Location Confidence	Distance to Road Corridor or Area
PICTURE THEATRES	Royal Theatre, Wingewarra St., Dubbo	175157	Road Match	24m
JOINERY MANUFACTURERS	Criterion Construction Co., Cobbora Rd., Dubbo	174920	Road Match	66m
READY CUT HOMES	Criterion Construction Co., Cobbora Rd., Dubbo	175202	Road Match	66m
TIMBER MERCHANTS	Criterion Construction Co., Cobbora Rd., Dubbo	176545	Road Match	66m
CONCRETE PIPE MANUFACTURERS	Monier Pipe Company Pty. Limited, Cobbora Rd., Dubbo	174513	Road Match	66m
LOCAL BODIES	Postal Engineering Centre, Cobborah Rd., Dubbo	174933	Road Match	66m
MOTOR OIL & SPIRIT MERCHANTS	Commonwealth Oil Refineries Ltd. (The), Erskine St., Dubbo	175051	Road Match	101m
FRUITERERS & GREENGROCERS	Loitern, Vic., Erskine St., Dubbo	174661	Road Match	101m
GROCERS & GENERAL STOREKEEPERS	Loitern, Vic., Erskine St., Dubbo	174771	Road Match	101m
MOTOR OIL & SPIRIT MERCHANTS	Vacuum Oil Co. Pty. Ltd., Erskine St., Dubbo	175059	Road Match	101m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## Historical Business Directories

### White Street, Dubbo, NSW 2830

### Dry Cleaners, Motor Garages & Service Stations Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a premise or road intersection, within the dataset buffer:

Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
MOTOR GARAGES &/OR ENGINEERS	Replacement Parts (N.S.W. Div.) Pty. Ltd., 68-70 Gipps St. & Branch Dubbo	555637	1970	Premise Match	174m	West
MOTOR SERVICE STATIONS-PETROL, ETC.	Mathews Service Station & Dubbo Caravans, 82 Erskine St., Dubbo, Dubbo	200325	1961	Premise Match	350m	West
MOTOR SERVICE STATIONS	Mathews, T. P., 82 Erskine St., Dubbo	175083	1950	Premise Match	350m	West
BATTERY SERVICE STATION	Reynolds, V., 47 Macleay St., North Dubbo ., Dubbo	199549	1961	Premise Match	559m	North West
MOTOR SERVICE STATIONS-PETROL, ETC.	Talmac Service Station, Cnr. Darling and Talbragar Sts., Dubbo	200331	1961	Road Intersection	587m	West
MOTOR SERVICE STATIONS-PETROL, OILS, ETC.	Talmac Service Station, Cnr. Darling and Talbragar Sts. Dubbo	555673	1970	Road Intersection	592m	West
MOTOR SERVICE STATIONS-PETROL, ETC.	Dubbo Star Service Station, Cnr. Cobbora & Darling Sts., Dubbo	200319	1961	Road Intersection	593m	West
MOTOR GARAGES &/OR ENGINEERS	Reynolds, V. K., 74 Bourke St., Dubbo	200274	1961	Premise Match	618m	North West
MOTOR SERVICE STATIONS	West Dubbo Service Station, 136 Talbragar St., Dubbo	175089	1950	Premise Match	621m	West
MOTOR GARAGES &/OR ENGINEERS	Mid-Western Service Station, 151 Cobra St. Dubbo	555633	1970	Premise Match	632m	South West
MOTOR GARAGES &/OR ENGINEERS	Mid-Western Service Station, 151 Cobra St., Dubbo	200270	1961	Premise Match	632m	South West
BATTERY SERVICE STATION	Mid-Western Service Station, 151 Cobra St., Dubbo	199546	1961	Premise Match	632m	South West
MOTOR SERVICE STATIONS-PETROL, ETC.	Mid-Western Service Station, 151 Cobra St., Dubbo	200326	1961	Premise Match	632m	South West
DRY CLEANERS & PRESSERS.	Civic Dry Cleaners, 130 Talbragar St. Dubbo	183736	1982	Premise Match	632m	West
DRY CLEANERS, PRESSERS & DYERS	Keady Dry Cleaning Service, 130 Talbragar St. Dubbo	555185	1970	Premise Match	632m	West
DRY CLEANERS, PRESSERS & DYERS	Keady Bros., 130 Talbragar St., Dubbo	199760	1961	Premise Match	632m	West
DRY CLEANERS & DYERS	Keady Bros., 130 Talbragar St., Dubbo	174572	1950	Premise Match	632m	West
DRY CLEANERS & DYERS	New Process Dry Cleaning Service, 159 Talbragar St., Dubbo	174574	1950	Premise Match	634m	West
MOTOR GARAGES & ENGINEERS	Bailey's White Way Garage, 145 Darling St., Dubbo	175028	1950	Premise Match	676m	West
MOTOR SERVICE STATIONS	Bailey's White Way Garage, 145 Darling St., Dubbo	175074	1950	Premise Match	676m	West
MOTOR SERVICE STATIONS-PETROL, ETC.	Atlantic Service Station, 136-138 Cobra St., Dubbo	200314	1961	Premise Match	715m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Scotts Auto Spares Pty. Ltd. . 223 Cobra St. Dubbo	184203	1982	Premise Match	717m	South
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Orth, P. D. & P. E. Pty. Ltd., 138 Cobra St. Dubbo	184201	1982	Premise Match	718m	South West
MOTOR GARAGES &/OR ENGINEERS	Esso Servicenter, 138 Cobra St. Dubbo	555628	1970	Premise Match	718m	South West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Talbragar Auto Port., 90 Talbragar St. Dubbo	184205	1982	Premise Match	764m	West
MOTOR GARAGES & ENGINEERS	Dubbo Motors, 90 Talbragar St., Dubbo	175032	1950	Premise Match	764m	West
DRY CLEANERS & DYERS	Hands, Ern. (Art Dyer), 88 Talbragar St., Dubbo	174571	1950	Premise Match	767m	West



Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Feature Point	Direction
DRY CLEANERS & DYERS	Victory Dry Cleaners, 107 Talbragar St., Dubbo	174576	1950	Premise Match	768m	West
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Elston Park Auto Port., 133 Cobra St. Dubbo	184196	1982	Premise Match	770m	South West
MOTOR GARAGES &/OR ENGINEERS	Townsend, N., 33 Erskine St., North Dubbo Dubbo	555642	1970	Premise Match	774m	West
MOTOR SERVICE STATIONS-PETROL, ETC.	East Dubbo Store, 129 Cobra St., East Dubbo, Dubbo	200320	1961	Road Intersection	780m	South West
MOTOR SERVICE STATIONS	East Dubbo Store, 127 Cobra St., Dubbo	175079	1950	Road Intersection	780m	South West
MOTOR GARAGES &/OR ENGINEERS	Central Motors, 126 Brisbane St. Dubbo	555622	1970	Premise Match	788m	West
DRY CLEANERS & DYERS	Tops Dry Cleaning Service, 97 Talbragar St., Dubbo	174575	1950	Premise Match	795m	West
MOTOR GARAGES &/OR ENGINEERS	McGovern, R. Pty. Ltd., 66 Talbragar St. Dubbo	555632	1970	Premise Match	878m	West
MOTOR GARAGES &/OR ENGINEERS	Hawkins, A. E. Pty. Ltd., 66 Talbragar St., Dubbo	200267	1961	Premise Match	878m	West
MOTOR GARAGES &/OR ENGINEERS	McArthur and Cunningham, 66 Talbragar St., Dubbo	200268	1961	Premise Match	878m	West
MOTOR SERVICE STATIONS	Hawkins, A. E., 66 Talbragar St., Dubbo	175081	1950	Premise Match	878m	West
MOTOR GARAGES &/OR ENGINEERS	Twomey Bros., 46 Church St., Dubbo	200282	1961	Premise Match	943m	West
MOTOR SERVICE STATIONS-PETROL, OILS, ETC.	Reliance Service Centre, Cnr. Bultje & Darling St. Dubbo	555672	1970	Road Intersection	953m	West
MOTOR SERVICE STATIONS-PETROL, ETC.	Reliance Service Centre, Cnr. Bultje & Darling Sts., Dubbo	200329	1961	Road Intersection	953m	West

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

## Historical Business Directories

### White Street, Dubbo, NSW 2830

### Dry Cleaners, Motor Garages & Service Stations Road or Area Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

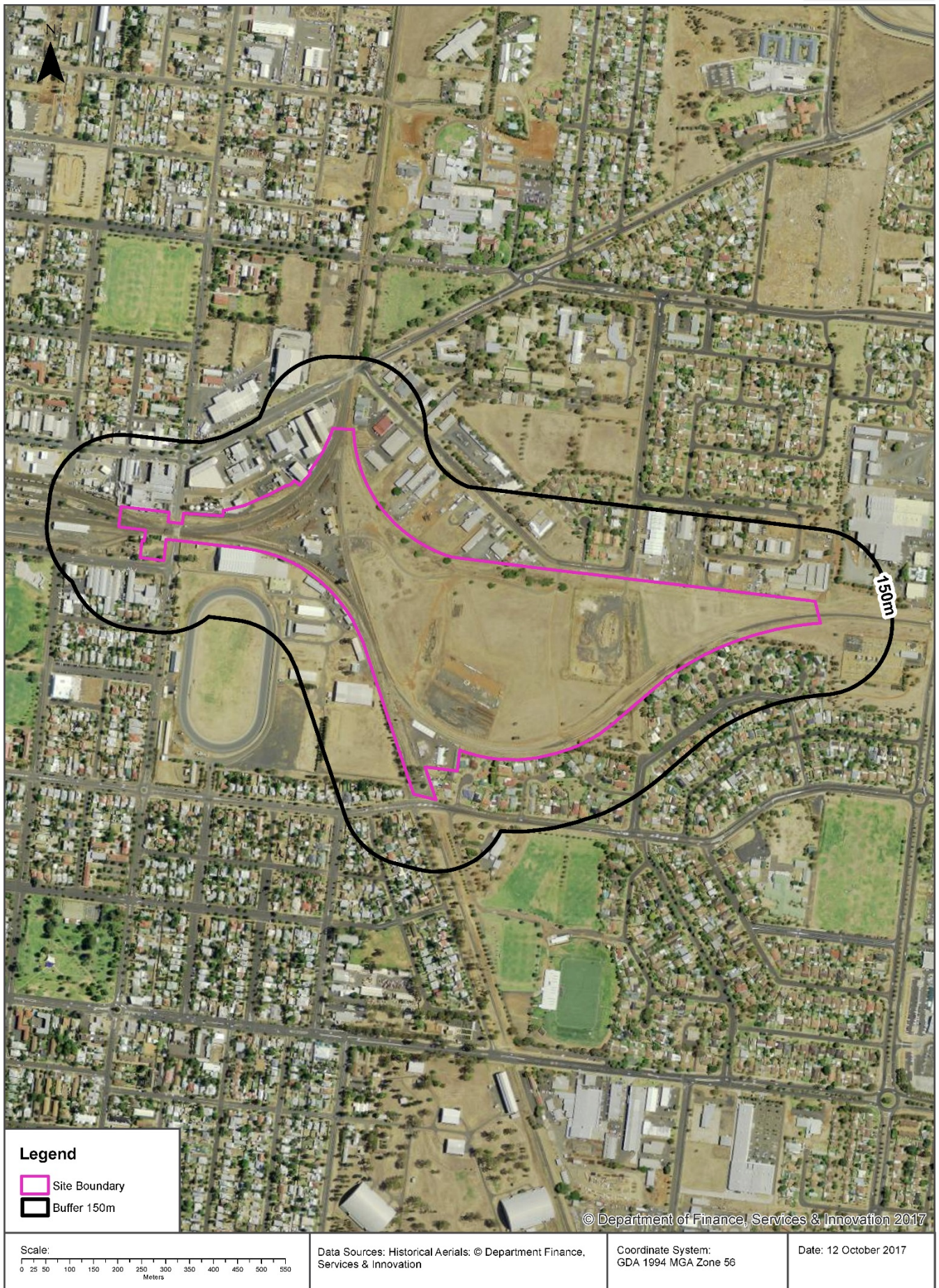
Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Ampol Service Station , Talbragar St. Dubbo	184187	1982	Road Match	0m
MOTOR GARAGES & ENGINEERS	Hawkins, A. E., Talbragar St., Dubbo	175034	1950	Road Match	0m
DRY CLEANERS & DYERS	Maunus and Myers, Talbragar St., Dubbo	174573	1950	Road Match	0m
MOTOR GARAGES & ENGINEERS	Bayley, Reg., Wingewarra St., Dubbo	175029	1950	Road Match	24m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Bobs Service Centre., Bultje St. Dubbo	184190	1982	Road Match	214m
MOTOR SERVICE STATIONS-PETROL, OILS, ETC.	Ampol Service Station, Bultje St. Dubbo	555664	1970	Road Match	214m
MOTOR GARAGES &/OR ENGINEERS	Four Ways Service Station, 59 Bultje St., Dubbo	200265	1961	Road Match	214m
MOTOR SERVICE STATIONS-PETROL, ETC.	Four Ways Service Station, 59 Bultje St., Dubbo	200322	1961	Road Match	214m
MOTOR SERVICE STATIONS-PETROL, OILS, ETC.	Poplars Service Station, Bultje St. Dubbo	555671	1970	Road Match	214m
MOTOR GARAGES &/OR ENGINEERS	Supreme Service Station, Bultje St. Dubbo	555639	1970	Road Match	214m
MOTOR GARAGES &/OR ENGINEERS	Total Service Station, Bultje St. Dubbo	555641	1970	Road Match	214m
MOTOR SERVICE STATIONS-PETROL, ETC.	Total Service Station, Bultje St., Dubbo	200332	1961	Road Match	214m
MOTOR GARAGES & ENGINEERS	Reynolds, Vic., Macleay St., Dubbo	175041	1950	Road Match	332m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Bp Coolabah., 52 Bourke St. Dubbo	184191	1982	Road Match	363m
MOTOR SERVICE STATIONS-PETROL, ETC.	Coolabah Service Station, 52 Bourke St., North Dubbo, Dubbo	200318	1961	Road Match	363m
MOTOR SERVICE STATIONS-PETROL, OILS, ETC.	Coolabah Service Station, 52 Bourke St. Dubbo	555667	1970	Road Match	363m
MOTOR SERVICE STATIONS-PETROL, ETC.	Golden Fleece Service Stn., Bourke St., North Dubbo, Dubbo	200323	1961	Road Match	363m
MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS.	Dubbo Roadhouse., Cobra St. Dubbo	184195	1982	Road Match	499m
MOTOR GARAGES &/OR ENGINEERS	Clyde Bank Service Station, Cobra St. Dubbo	555624	1970	Road Match	510m
MOTOR GARAGES &/OR ENGINEERS	Elston Park Auto Port, Cobra St. Dubbo	555627	1970	Road Match	510m
MOTOR SERVICE STATIONS	Jurd Bros., 180 Darling St., Dubbo	175082	1950	Road Match	567m
MOTOR SERVICE STATIONS-PETROL, ETC.	Macquarie Tyre and Lubrication Service, 120 Brisbane St., Dubbo	200324	1961	Road Match	800m
MOTOR GARAGES &/OR ENGINEERS	McGovern, R. A., Wellington Rd., Dubbo	200269	1961	Road Match	973m
MOTOR SERVICE STATIONS-PETROL, OILS, ETC.	McGovern's, Bob Service Station, Wellington Rd. Dubbo	555670	1970	Road Match	973m

Business Directory Content Derived from Universal Business Directories (UBD) - Licensed from Hardie Grant

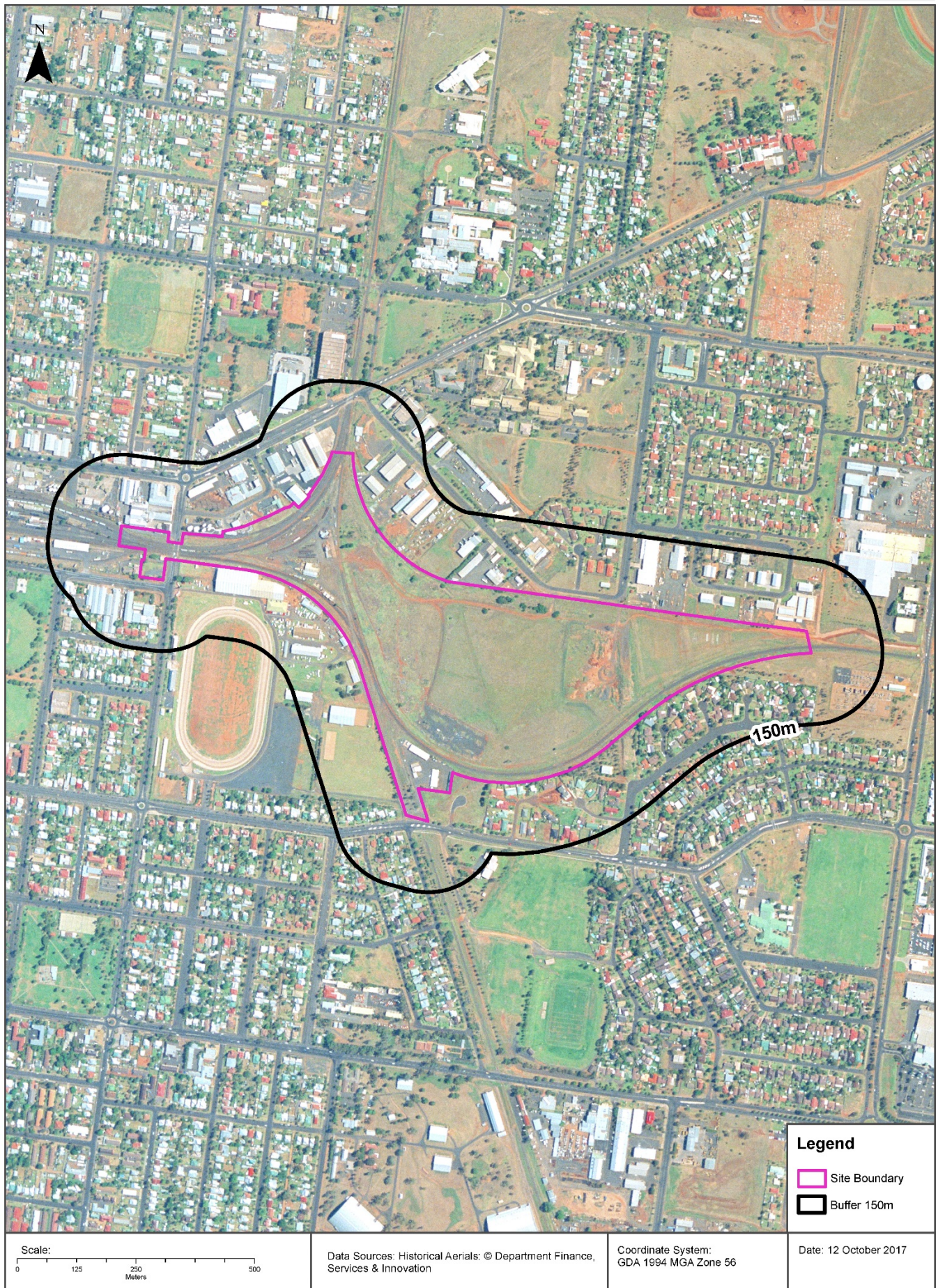




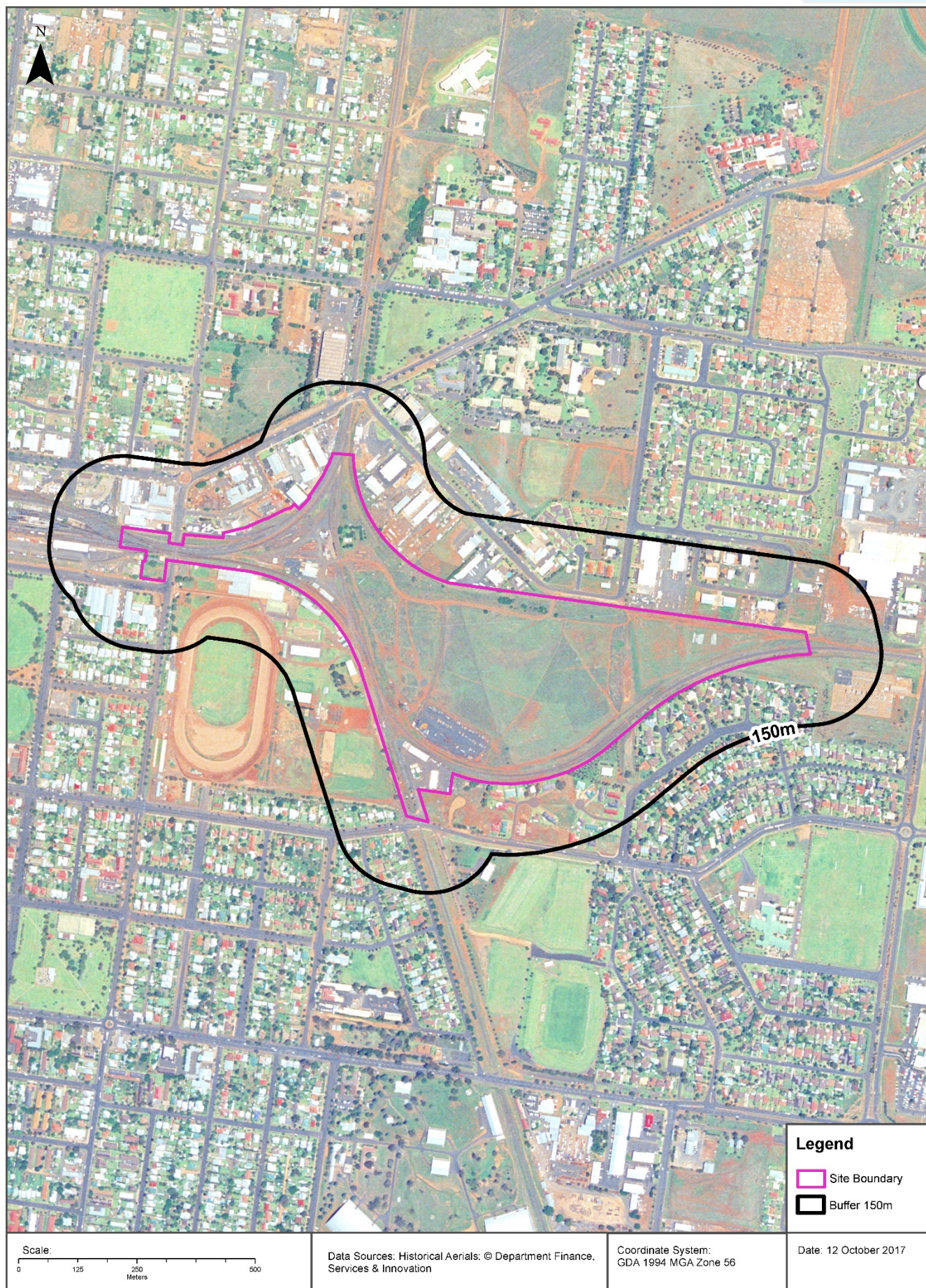








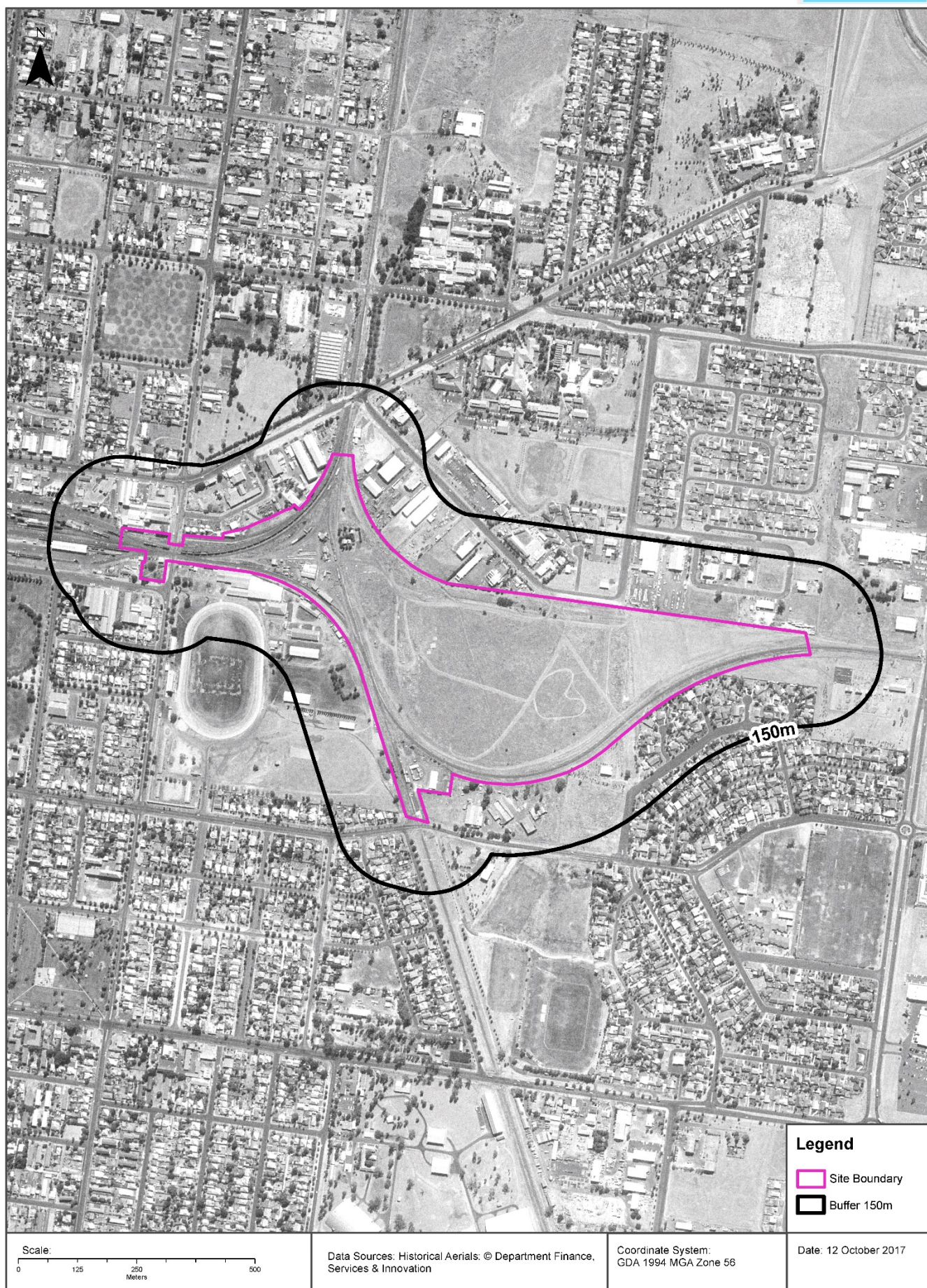




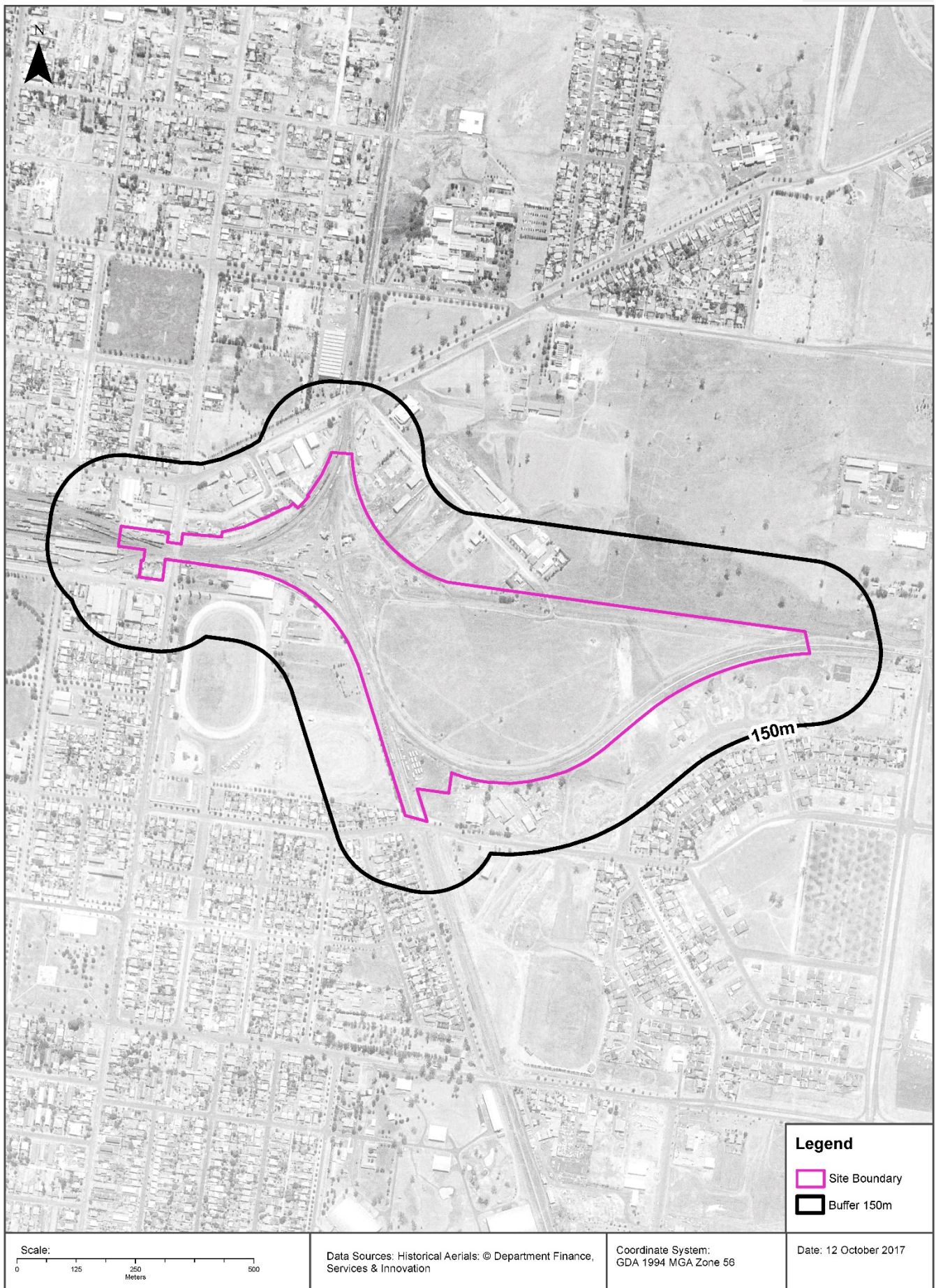


## Aerial Imagery 1991

White Street, Dubbo, NSW 2830







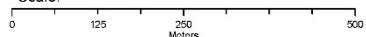




**Legend**

- Site Boundary
- Buffer 150m

Scale:

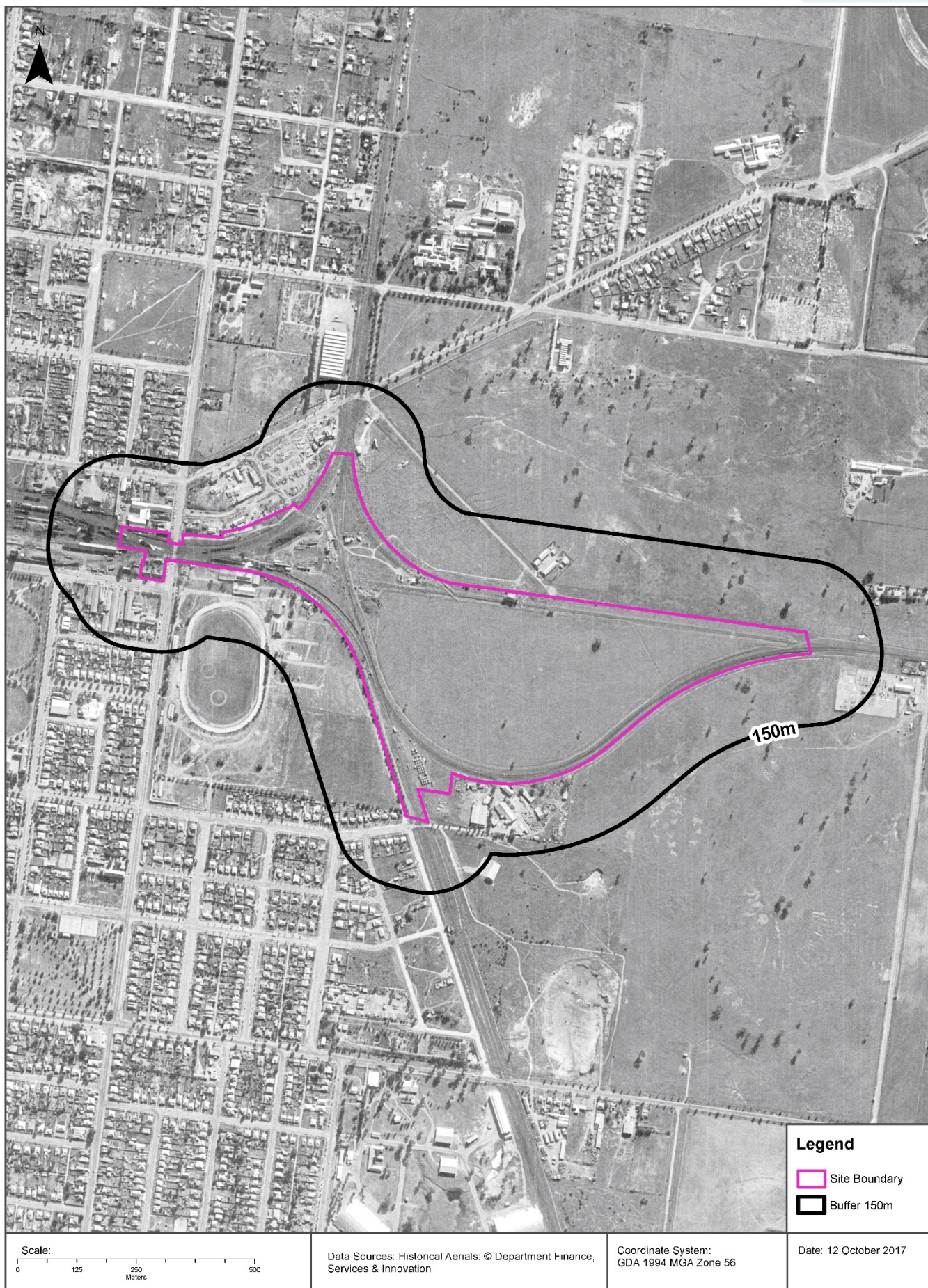


Data Sources: Historical Aerials: © Department Finance, Services & Innovation

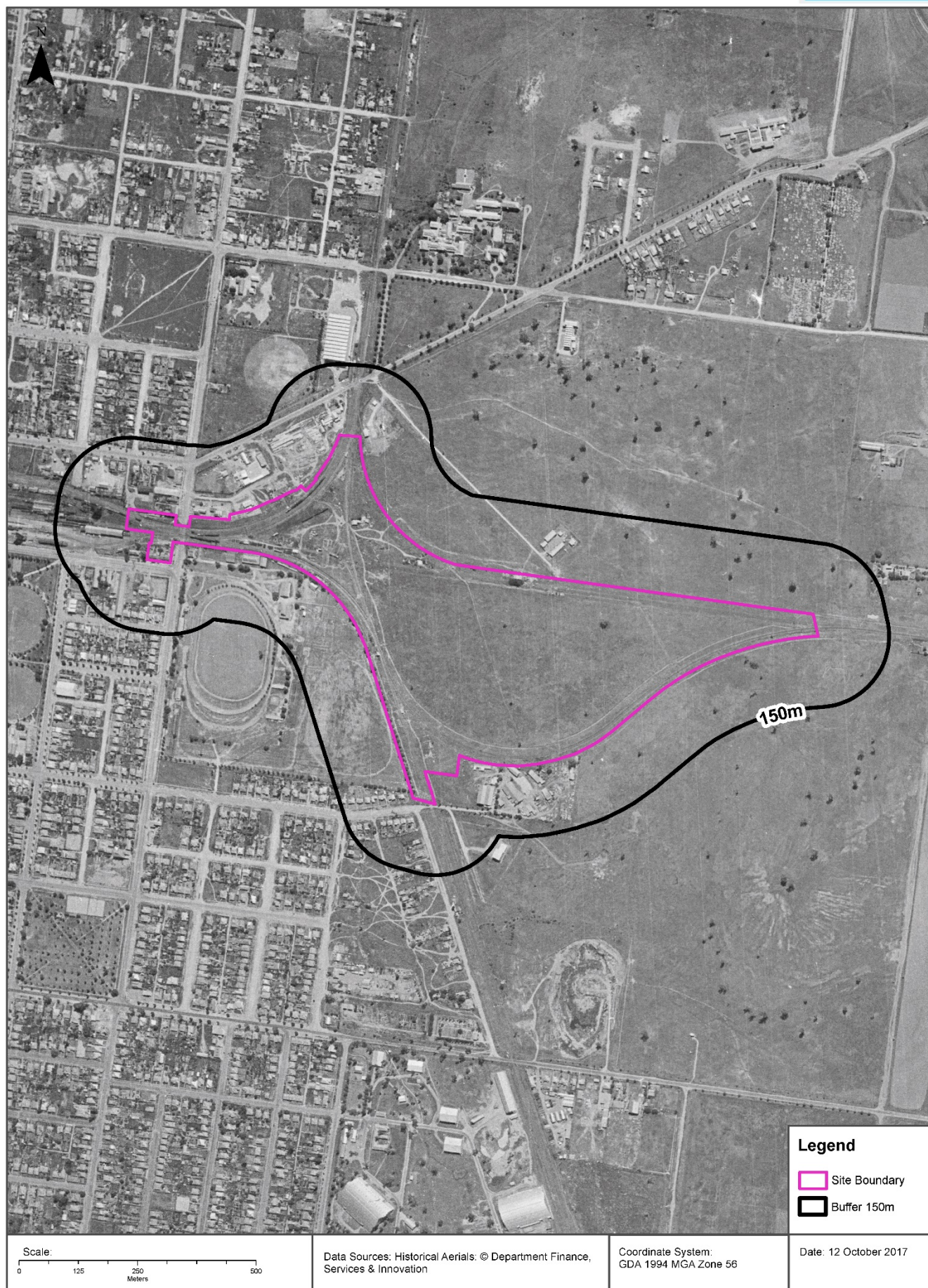
Coordinate System:  
GDA 1994 MGA Zone 56

Date: 12 October 2017

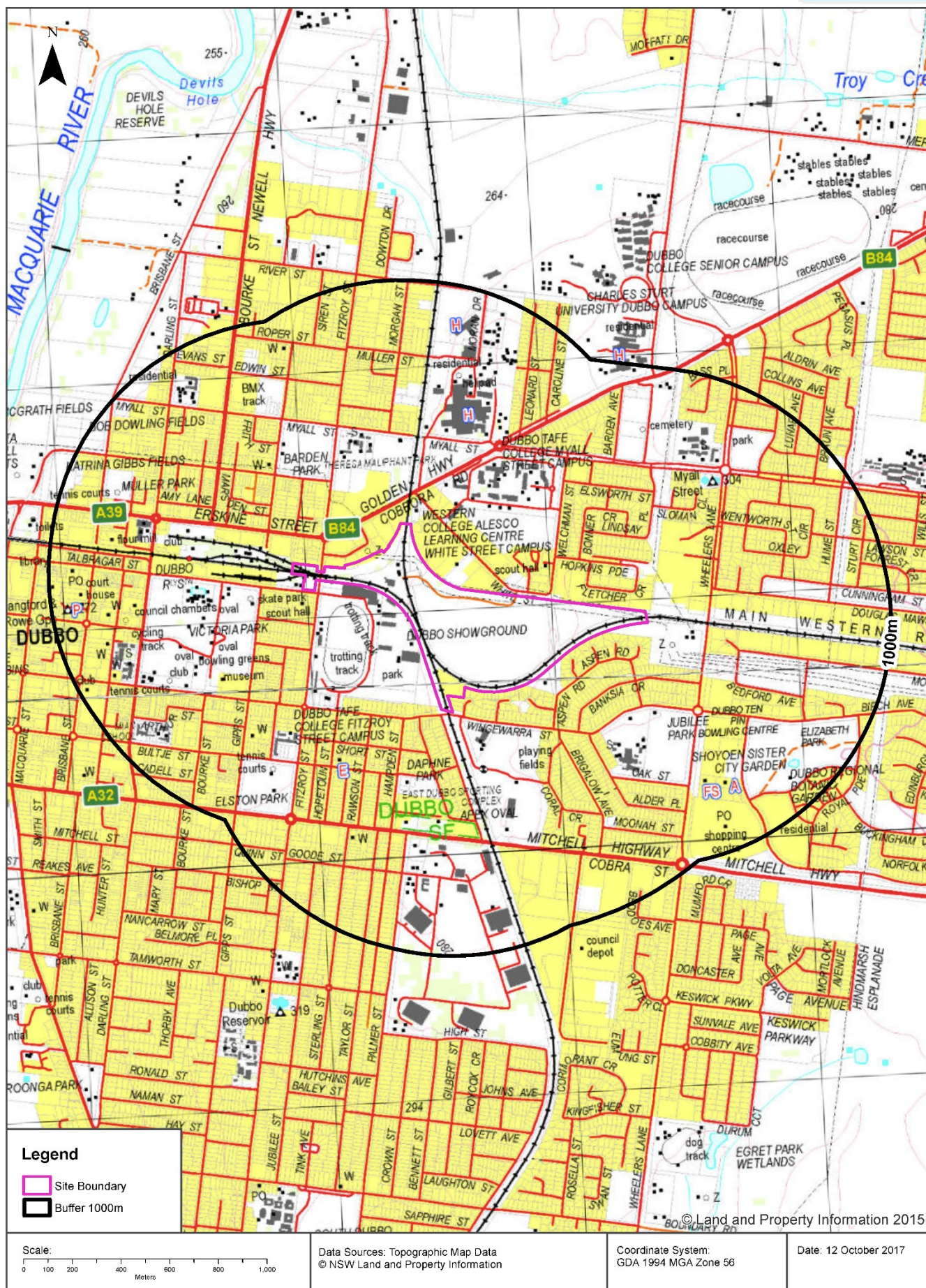








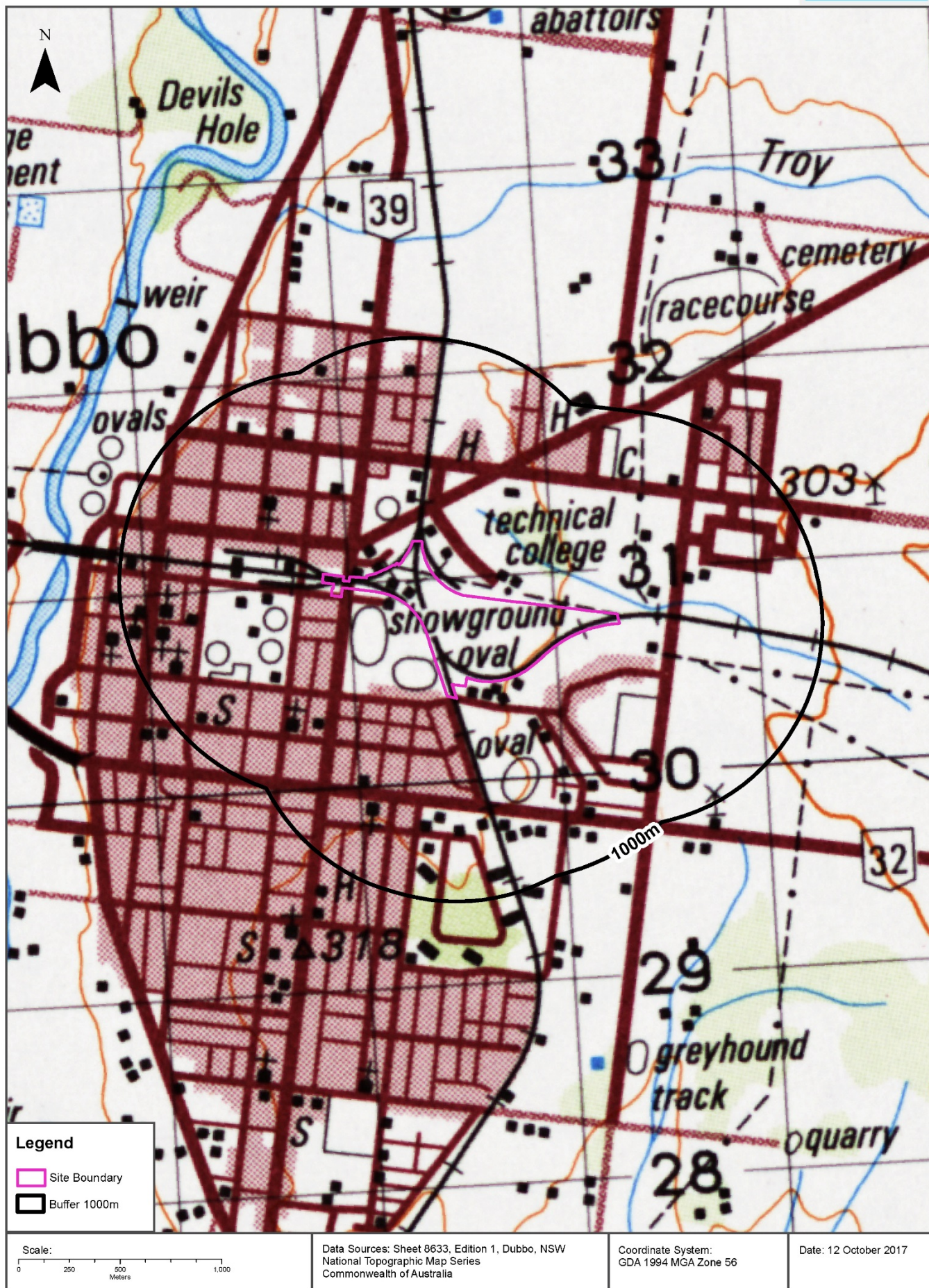






## Historical Map 1975

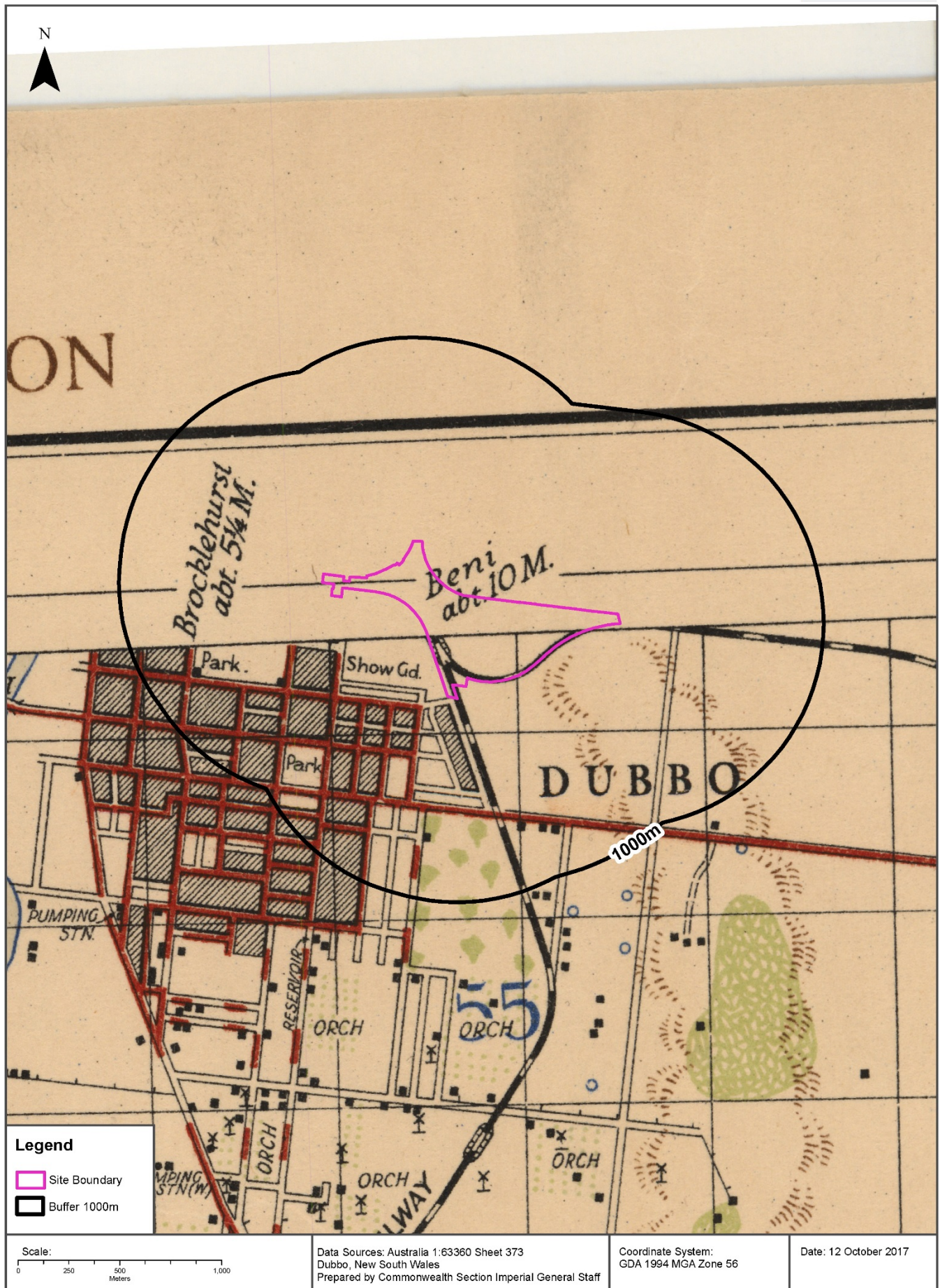
White Street, Dubbo, NSW 2830





## Historical Map 1942

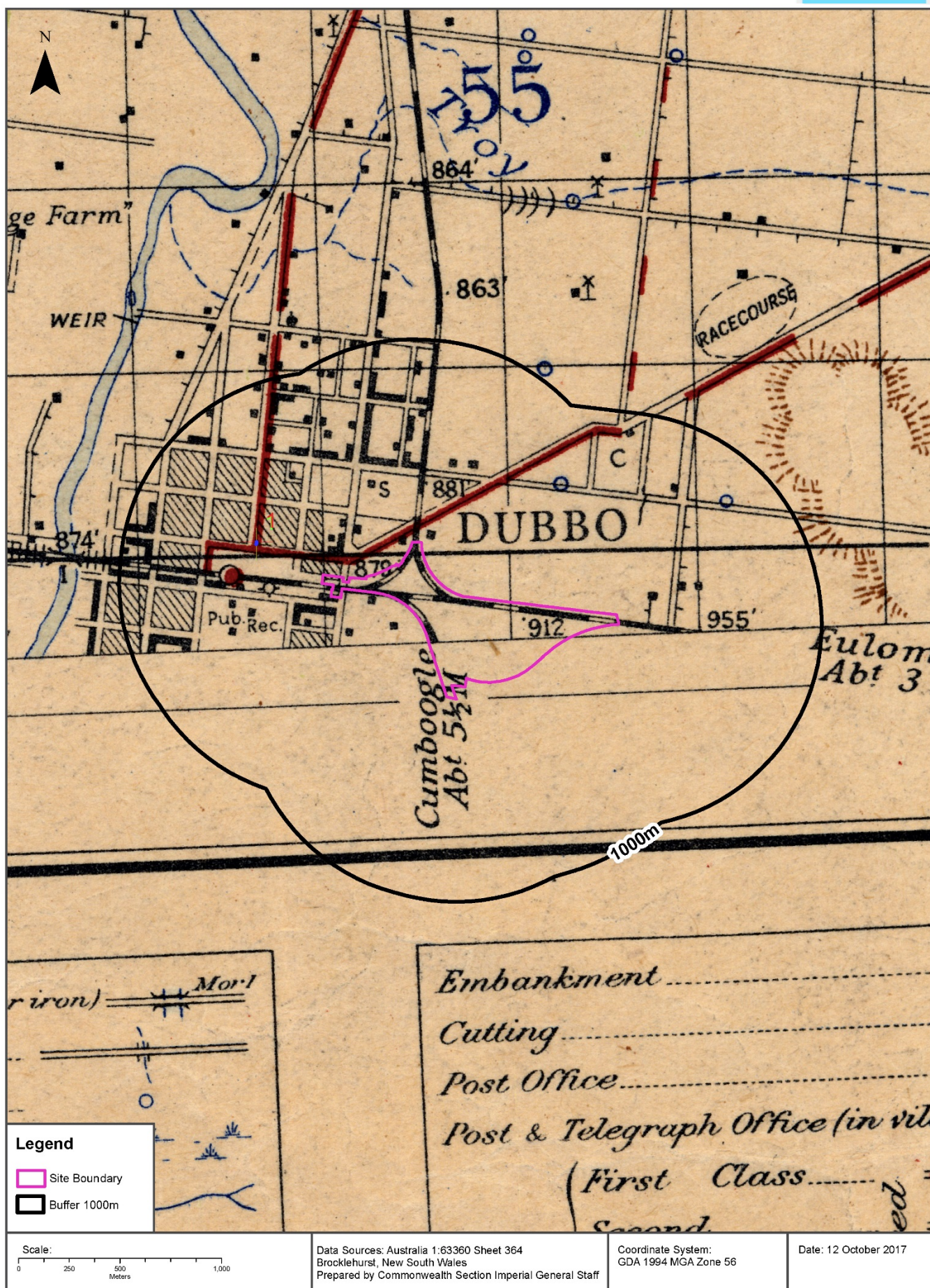
White Street, Dubbo, NSW 2830





# Historical Map 1942

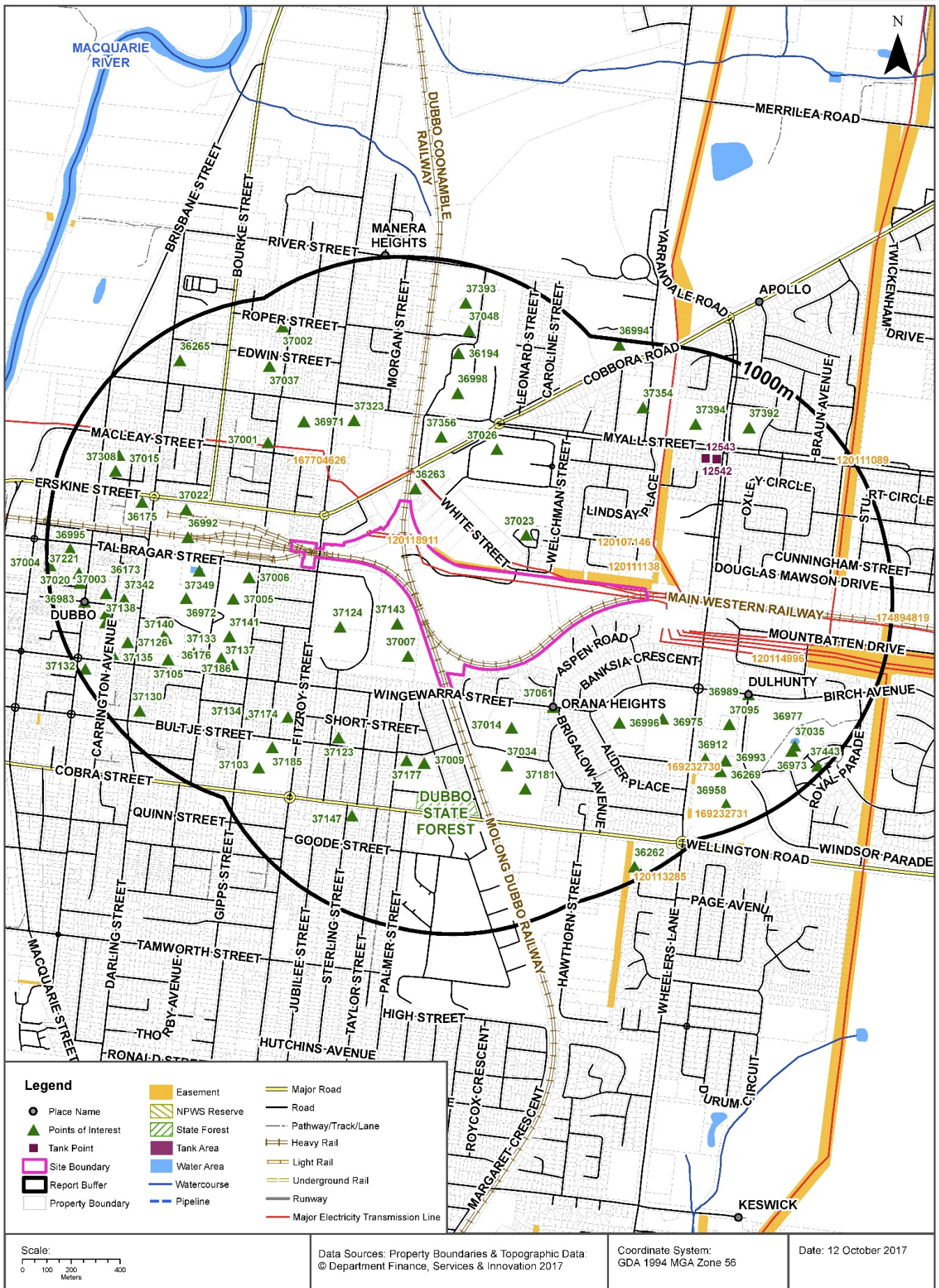
White Street, Dubbo, NSW 2830





# Topographic Features

White Street, Dubbo, NSW 2830





# Topographic Features

## White Street, Dubbo, NSW 2830

### Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
36263	High School	WESTERN COLLEGE ALESCO LEARNING CENTRE	57m	North West
37007	Park	Park	88m	South West
37143	Showground	DUBBO SHOWGROUND	88m	West
37023	Retirement Village	DUBBO MASONIC VILLAGE	161m	North East
37006	Sports Court	SKATE PARK	201m	West
37061	Suburb	ORANA HEIGHTS	214m	South East
37014	Sports Field	PLAYING FIELDS	243m	South
37124	Trotting Track	DUBBO PACEWAY	262m	West
37356	Park	THERESA MALIPHANT PARK	294m	North
37005	Sports Field	OVAL	306m	West
37009	Park	DAPHNE PARK	317m	South
37177	Child Care Centre	DUBBO AND DISTRICT PRE-SCHOOL	331m	South West
37323	Primary School	DUBBO NORTH PUBLIC SCHOOL	380m	North West
37034	Sports Centre	EAST DUBBO SPORTING COMPLEX	381m	South
37349	Swimming Pool	DUBBO AQUATIC LEISURE CENTRE	383m	West
37141	Sports Field	OVAL	410m	West
37026	TAFE College	DUBBO TAFE COLLEGE MYALL STREET CAMPUS	413m	North
37001	Place Of Worship	LUTHERAN CHURCH	415m	North West
36996	Primary School	ORANA HEIGHTS PUBLIC SCHOOL	426m	South East
36992	Railway Station	DUBBO RAILWAY STATION	426m	West
37022	Club	DUBBO RAILWAY BOWLING CLUB	452m	West
37123	SES Facility	MACQUARIE SES	467m	South West
36972	Park	VICTORIA PARK	470m	West
36998	General Hospital	DUBBO BASE HOSPITAL	484m	North
36975	Park	JUBILEE PARK	489m	South East
37137	Museum	DUBBO MUSEUM AND HISTORY CENTRE	490m	West
36971	Park	BARDEN PARK	492m	North West
36176	Community Facility	WESTERN PLAINS CULTURAL CENTRE	498m	West
37181	Sports Field	APEX OVAL	499m	South
37186	Sports Field	BOWLING GREENS	545m	West
37133	Club	DUBBO CITY BOWLING CLUB	564m	West
36989	Suburb	DULHUNTY	564m	East
37095	Sports Centre	DUBBO TEN PIN BOWLING CENTRE	607m	South East

Map Id	Feature Type	Label	Distance	Direction
37174	TAFE College	DUBBO TAFE COLLEGE FITZROY STREET CAMPUS	617m	South West
37140	Sports Field	OVAL	623m	West
37097	Cycling Track	Cycling Track	626m	West
36175	Community Facility	DUBBO PCYC	634m	West
37134	Place Of Worship	SALVATION ARMY CHURCH	637m	South West
36194	Helipad	Helipad	638m	North
37147	Place Of Worship	SEVENTH DAY ADVENTIST CHURCH	640m	South West
36173	Community Facility	DUBBO REGIONAL THEATRE AND CONVENTION CENTRE	662m	West
37105	Sports Court	TENNIS COURTS	666m	West
36912	Fire Station	DUBBO FIRE STATION	690m	South East
37394	Primary School	ST MARY'S PRIMARY SCHOOL	706m	North East
37342	Local Government Chambers	DUBBO CITY COUNCIL	710m	West
37037	BMX Track	POWTER PARK	722m	North West
36993	Ambulance Station	DUBBO AMBULANCE STATION	729m	South East
37185	Sports Court	TENNIS COURTS	734m	South West
37354	Cemetery	OLD DUBBO CEMETERY	737m	North East
37048	Nursing Home	OPAL DUBBO	741m	North
36269	Ambulance Station	WESTERN AMBULANCE CONTROL CENTRE	761m	South East
37126	Primary School	DUBBO PUBLIC SCHOOL	766m	West
37003	Place Of Worship	UNITING CHURCH	776m	West
37308	Sports Court	TENNIS COURTS	778m	West
37392	Park	Park	786m	North East
37015	Park	MULLER PARK	791m	West
37156	Retirement Village	HOLY TRINITY RETIREMENT VILLAGE DUBBO	798m	West
37138	Place Of Worship	ANGLICAN CHURCH	812m	West
37103	Park	ELSTON PARK	817m	South West
36977	Park	ELIZABETH PARK	826m	East
37135	Place Of Worship	UNITING CHURCH	843m	West
37393	General Hospital	DUBBO PRIVATE HOSPITAL	844m	North
37035	Park	DUBBO REGIONAL BOTANIC GARDEN	846m	South East
36973	Park	SHOYOEN SISTER CITY GARDEN	853m	South East
37002	Place Of Worship	ORTHODOX CHURCH	861m	North West
36983	City	DUBBO	870m	West
36265	Nursing Home	CATHOLIC HEALTHCARE ST MARY'S VILLA	870m	North West
37020	Police Station	DUBBO POLICE STATION	873m	West
37221	Court House	DUBBO COURT HOUSE	873m	West
37130	Special School	MIAN SCHOOL	888m	West
36958	Post Office	DUBBO EAST POST OFFICE	896m	South East
36959	Shopping Centre	ORANA MALL	896m	South East



Map Id	Feature Type	Label	Distance	Direction
36995	Post Office	DUBBO POST OFFICE	904m	West
36262	High School	DUBBO CHRISTIAN SCHOOL PUMULA LODGE	948m	South East
37132	Club	DUBBO RSL MEMORIAL CLUB	970m	West
37443	Retirement Village	ORANA GARDENS RETIREMENT VILLAGE	970m	South East
36994	General Hospital	LOURDES HOSPITAL	980m	North East
37004	Tourist Attraction	OLD DUBBO GAOL	988m	West

Topographic Data Source: © Land and Property Information (2015)

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## Topographic Features

### White Street, Dubbo, NSW 2830

#### Tanks (Areas)

What are the Tank Areas located within the dataset buffer?

Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
	No records in buffer					

#### Tanks (Points)

What are the Tank Points located within the dataset buffer?

Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
12543	Water	Operational		01/01/1984	588m	North East
12542	Water	Operational		01/04/2009	607m	North East

Tanks Data Source: © Land and Property Information (2015)

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

#### Major Easements

What Major Easements exist within the dataset buffer?

Note. Easements provided by LPI are not at the detail of local governments. They are limited to major easements such as Right of Carriageway, Electrical Lines (66kVa etc.), Easement to drain water & Significant subterranean pipelines (gas, water etc.).

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
120111138	Primary	Undefined		0m	East
120118911	Primary	Undefined		0m	North
120107146	Primary	Undefined		40m	North
167704626	Primary	Right of way	1.2m	331m	North West
120114996	Primary	Undefined		687m	East
169232730	Primary	Right of way	36m	738m	South East
120111089	Primary	Undefined		765m	North East
120113285	Primary	Undefined		845m	South East
169232731	Primary	Right of way	Variable	872m	South East
174894819	Primary	Right of way	19m	970m	East

Easements Data Source: © Land and Property Information (2015)

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>



## Topographic Features

### White Street, Dubbo, NSW 2830

#### State Forest

What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
807	DUBBO	444m	South

State Forest Data Source: © Land and Property Information (2015)

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

#### National Parks and Wildlife Service Reserves

What NPWS Reserves exist within the dataset buffer?

Reserve Number	Reserve Type	Reserve Name	Gazetted Date	Distance	Direction
N/A	No records in buffer				

NPWS Data Source: © Land and Property Information (2015)

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Elevation Contours (m AHD)

White Street, Dubbo, NSW 2830







# Hydrogeology & Groundwater

## White Street, Dubbo, NSW 2830

### Hydrogeology

Description of aquifers on-site:

Description
Porous, extensive highly productive aquifers

Description of aquifers within the dataset buffer:

Description
Porous, extensive highly productive aquifers

Hydrogeology Map of Australia: Commonwealth of Australia (Geoscience Australia)

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

### Groundwater Boreholes

Boreholes within the dataset buffer:

GW No.	Licence No	Work Type	Owner Type	Purpose	Contractor	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW802556	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	22/12/2004	11.00	11.00		11.10			0m	Onsite
GW021494		Bore	NSW Office of Water	Test Bore		01/02/1967							8m	West
GW801216	80BL237111	Bore	Private	Monitoring	Engineering Explorations Pty Ltd	20/11/1996	18.00	18.00		14.50			26m	West
GW800316	80BL237056	Bore	Private	Monitoring	Engineering Explorations Pty Ltd			18.00					56m	West
GW800314	80BL237056	Bore	Private	Monitoring	Engineering Explorations Pty Ltd			18.00					56m	West
GW800315	80BL237056	Bore	Private	Monitoring	Engineering Explorations Pty Ltd			18.00					56m	West
GW802569	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	16/12/2004	13.00	13.00		12.43			63m	West
GW801215	80BL237111	Bore	Private	Monitoring	Engineering Explorations Pty Ltd	20/11/1996	18.00	18.00		14.50			66m	West
GW021493		Bore	NSW Office of Water	Test Bore		01/02/1967							77m	West
GW801214	80BL237112	Bore	Private	Monitoring	Engineering Explorations Pty Ltd	20/11/1996	18.00	18.00		14.50			82m	West
GW800313	80BL237057	Bore	Private	Monitoring	Steve William Reynolds	22/05/1996	19.50	19.50					89m	West
GW801211	80BL237113	Bore	Private	Monitoring	Engineering Explorations Pty Ltd	20/11/1996	18.00	18.90		14.50			93m	North West
GW800318	80BL237053	Bore	Private	Monitoring	Engineering Explorations Pty Ltd	20/11/1996	18.00	18.00					99m	West
GW801212	80BL237112	Bore	Private	Monitoring	Reynolds Drilling	21/05/1996	21.50	21.50		13.80			103m	West



GW No.	Licence No	Work Type	Owner Type	Purpose	Contractor	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW801213	80BL237112	Bore	Private	Monitoring	Engineering Explorations Pty Ltd	20/11/1996	18.00	18.00		14.50			103m	West
GW800319	80BL237053	Bore	Private	Monitoring	Reynolds Drilling	23/05/1996	19.50	19.50					106m	West
GW800317	80BL237054	Bore	Private	Monitoring	Reynolds Drilling	22/05/1996	18.00	18.00					126m	North West
GW801210	80BL237114	Bore	Private	Monitoring	Reynolds Drilling	05/06/1996	17.00	17.00		14.76			132m	North West
GW802994	80BL242300	Bore	Private	Monitoring	Terratest Pty Ltd	18/03/2004	17.00	17.00		15.03		264.24	149m	West
GW804029	80BL243383	Bore	Private	Monitoring	Macquarie Drilling	15/06/2006	13.00	13.00					159m	West
GW802996	80BL242300	Bore	Private	Monitoring	Terratest Pty Ltd	28/03/2004	16.80	16.80		15.19		264.42	159m	West
GW805149	80BL620347	Bore	Private	Monitoring	GroundTruth Pty Ltd	25/09/2012	14.50	14.50		12.50			172m	West
GW802995	80BL242300	Bore	Private	Monitoring	Terratest Pty Ltd	10/03/2004	16.80	16.80		14.32		263.54	187m	West
GW805147	80BL620347	Bore	Private	Monitoring	GroundTruth Pty Ltd	25/09/2012	15.00	15.00			13.000		188m	West
GW802992	80BL242300	Bore	Private	Monitoring	Terratest Pty Ltd	10/03/2004	16.00	16.00		13.35		263.54	191m	West
GW802993	80BL242300	Bore	Private	Monitoring	Terratest Pty Ltd	11/03/2004	16.50	16.50		14.29		263.49	192m	West
GW802592	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	16.00	16.00		13.70			195m	West
GW804028	80BL243383	Bore	Private	Monitoring	Macquarie Drilling	15/06/2006	13.00	13.00					195m	West
GW805146	80BL620347	Bore	Private	Monitoring	GroundTruth Pty Ltd	25/09/2012	15.00	15.00		13.00			202m	West
GW805148	80BL620347	Bore	Private	Monitoring	GroundTruth Pty Ltd	26/09/2012	15.00	15.00		13.50			207m	West
GW805004	80BL620330	Bore	Local Govt	Recreation, Test Bore		21/08/2012	67.10	67.10		20.00	5.000		222m	South West
GW802575	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	01/11/2004	2.00	2.00					225m	East
GW802997	80BL242299	Bore	Private	Monitoring	Terratest Pty Ltd	28/03/2004	16.80	16.80		13.76		262.98	248m	West
GW802606	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	3.00	3.00					301m	West
GW802593	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	6.00	6.00					301m	West
GW021036		Bore	Local Govt	Monitoring		01/07/1964	43.30	43.30	0-500 ppm				333m	West
GW804355	80BL620031	Bore	Other Govt	Monitoring	AJ Briton Drilling Pty Ltd	15/09/2010	15.00	15.00					345m	South
GW802608	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	07/03/2005	8.00	8.00					357m	South
GW804356	80BL620029	Bore	Other Govt	Monitoring	AJ Briton Drilling Pty Ltd	15/09/2010	15.00	15.00					372m	South
GW021407	80BL030466	Bore	Local Govt	Irrigation, Recreation			67.10	91.50					381m	West
GW804357	80BL620028	Bore	Other Govt	Monitoring	AJ Briton Drilling Pty Ltd	16/09/2010	15.00	15.00					397m	South
GW021289	80BL017881	Bore	Local Govt	Recreation		01/05/1966	54.50	54.60					404m	North West
GW802539	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	01/11/2004	2.00	2.00					405m	North
GW802599	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	9.00	9.00					436m	West
GW802627	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	07/03/2005	6.00	6.00		5.60			471m	West
GW802598	80BL242551	Bore	Landcare Group	Monitoring	Hydrodata	25/01/2005	9.00	9.00					477m	West
GW802531	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	01/11/2004	1.50	1.50					491m	North East
GW055824	80BL121350	Well	Private	Domestic		01/01/1983	17.00	17.00					496m	North West

GW No.	Licence No	Work Type	Owner Type	Purpose	Contractor	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW802584	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	12/12/2004	3.00	3.00					520m	South West
GW042229		Bore	Private			01/01/1950	29.90						529m	East
GW803627	80BL244924	Piezo meter	Private	Monitoring	AJ Briton Drilling Pty Ltd	22/05/2008	27.00	27.00	1500	16.08			535m	North
GW802605	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	6.75	6.75					544m	West
GW802557	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	22/12/2004	8.00	8.00		3.90			545m	South West
GW802621	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	07/03/2005	9.00	9.00					553m	North West
GW803628	80BL244925	Piezo meter	Private	Monitoring	AJ Briton Drilling Pty Ltd	21/05/2008	17.50	17.50	1500	14.39			558m	North
GW802561	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	01/11/2004	1.50	1.50					558m	South
GW021295	80BL131984	Bore	Local Govt	Recreation		01/06/1966	48.10	57.00		16.20	8.420		559m	West
GW802609	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	6.00	6.00					563m	South West
GW802597	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	23.00	23.00		15.53			563m	South West
GW803626	80BL244938	Piezo meter	Private	Monitoring	AJ Briton Drilling Pty Ltd	20/05/2008	17.80	17.80	1800	15.10			567m	North
GW805209	80BL239001	Bore	Private	Monitoring bore		21/03/2000	5.00	5.00					580m	West
GW805210	80BL239001	Bore	Private	Monitoring bore		21/03/2000	5.00	5.00					589m	West
GW805207	80BL239001	Bore	Private	Monitoring bore		21/03/2000	13.80	13.80					589m	West
GW805208	80BL239001	Bore	Private	Monitoring bore		21/03/2000	11.20	11.20					591m	West
GW802542	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	16/10/2004	13.50	13.50					607m	North West
GW804925	80BL620290	Bore	Private	Monitoring		08/05/2012	26.80	26.80		16.87			653m	South
GW804726	80BL620235	Bore	Private	Monitoring	The Impax Group	15/11/2011	3.50	4.00					663m	South
GW804727	80BL620235	Bore	Private	Monitoring	The Impax Group	15/11/2011	12.70	12.70		12.08			665m	South
GW021022		Bore	Local Govt	Recreation		01/05/1964	45.10	45.10	1001-3000 ppm				675m	West
GW804863	80BL620290	Bore	Private	Monitoring	The Impax Group	07/08/2012	5.60	5.60		1.09			676m	South
GW802559	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	24/12/2004	13.50	13.50		13.60			685m	West
GW804926	80BL620290	Bore	Private	Monitoring		09/05/2012	26.70	26.70		16.41			685m	South
GW804725	80BL620235	Bore	Private	Monitoring	The Impax Group	15/11/2011	12.50	12.50		12.07			696m	South
GW804924	80BL620290	Bore	Private	Monitoring		07/05/2012	26.00	26.00		16.85			701m	South
GW021032	80BL106335	Bore	Local Govt	Recreation		01/07/1964	61.00	67.10	0-500 ppm	15.20			705m	South West
GW025098		Bore	NSW Office of Water	Domestic		01/12/1967	0.00	30.50	Good	16.80			719m	North West
GW006831		Bore open thru rock	Private			01/09/1941	38.40	38.40	Domestic	13.70	0.630		753m	South
GW802568	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	23/11/2004	3.00	3.00					758m	South East
GW804740	80BL241377	Bore	Local Govt	Recreation	WP & RJ Caton Drilling	20/02/2003	62.00	62.00	good	15.00	26.000		760m	South West
GW802633	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	07/03/2005	15.00	15.00					761m	South East
GW802583	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	5.80	6.00		4.65			794m	South



GW No.	Licence No	Work Type	Owner Type	Purpose	Contractor	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW803722	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	16/12/2004	15.00	15.00		14.37			795m	West
GW804704	80BL620179	Bore	Private	Monitoring	Parsons Brinckerhoff	07/06/2011	18.60	18.60		13.80			796m	South East
GW804703	80BL620179	Bore	Private	Monitoring	Parsons Brinckerhoff	07/06/2011	18.60	18.60		13.70			799m	South East
GW804702	80BL620179	Bore	Private	Monitoring	Parsons Brinckerhoff	07/06/2011	18.50	18.50		13.57			805m	South East
GW065735	80BL138591	Bore	Private	Domestic, Stock	Narromine Water Drillers	15/11/1988	19.50		Good	14.00	2.250		818m	North West
GW802591	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	18/12/2004	6.00	6.00					831m	West
GW008197		Bore	Private	Domestic, Stock		01/07/1950	18.90	18.90	0-500 ppm	10.40	0.910		849m	North West
GW802560	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	16/12/2004	15.00	15.00		14.37			852m	North West
GW025091		Bore	Private	Monitoring		01/12/1967	37.50	41.80	1001-3000 ppm	18.00	2.020		856m	North West
GW802587	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	3.00	3.00		2.49			877m	South West
GW802552	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	18/12/2004	4.00	4.00		2.60			894m	East
GW802570	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	13/01/2006	9.00	9.00					897m	South West
GW802574	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	22/12/2004	12.00	12.00					927m	North East
GW803838	80BL243268	Bore	Private	Monitoring		18/06/2006	24.00	24.00					942m	West
GW801221	80BL237451	Bore	Private	Monitoring	PPK Environment & Infrastructure Pty. Ltd.	04/07/1997	24.40	24.40		18.70			945m	South
GW803941	80BL245248	Bore	Other Govt	Monitoring	Macquarie Drilling	03/04/2009	17.20	17.20		14.80			947m	West
GW803942	80BL245248	Bore	Other Govt	Monitoring	Macquarie Drilling	03/04/2009	16.50	16.50		14.80			950m	West
GW803723	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	18/12/2004	6.00	6.00					954m	West
GW008159	80BL131979	Bore	Local Govt	Recreation, Town Supply		01/11/1949	36.90	41.00	0-500 ppm	9.40	29.050	259.60	962m	North West
GW012081	80BL106336, 80BL237286	Bore	Local Govt	Recreation, Town Supply		01/03/1957	37.80	51.80					963m	North West
GW803939	80BL245248	Bore	Other Govt	Monitoring	Macquarie Drilling	03/04/2009	17.00	17.00		14.80			964m	West
GW008154	80BL131980	Bore	Local Govt	Recreation, Town Supply		01/01/1950	33.80	36.70	501-1000 ppm				966m	North West
GW803940	80BL245248	Bore	Other Govt	Monitoring	Macquarie Drilling	03/04/2009	17.20	17.20		14.80			968m	West
GW803833	80BL243614	Bore	Private	Monitoring		15/03/2006	12.90	12.90					969m	West
GW803837	80BL243614	Bore	Private	Monitoring		29/05/2006	25.00	25.00					970m	West
GW802604	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	8.50	8.50		7.60			975m	South West
GW803834	80BL243269	Bore	Private	Monitoring		16/03/2006	12.90	12.90					982m	West
GW803938	80BL245248	Bore	Other Govt	Monitoring	Macquarie Drilling	03/04/2009	16.00	16.00		14.80			982m	West
GW801219	80BL237449	Bore	Private	Monitoring	PPK Environment & Infrastructure Pty. Ltd.	04/07/1997	27.40	27.40		13.44			982m	South
GW803835	80BL243269	Bore	Private	Monitoring		16/03/2006	5.30	5.30					983m	West
GW803839	80BL243269	Bore	Private	Monitoring		29/06/2006	24.00	24.00					984m	West
GW803836	80BL243269	Bore	Private	Monitoring		16/03/2006	12.90	12.90					987m	West
GW007092	80BL001438	Bore	Private	General Use			30.50						1038 m	North West

GW No.	Licence No	Work Type	Owner Type	Purpose	Contractor	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW802541	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	04/12/2004	2.00	2.00					1055 m	East
GW003363		Bore open thru rock	Private			01/08/1935	43.90	43.90	Fresh				1056 m	South East
GW801220	80BL237450	Bore	Private	Monitoring	PPK Environment & Infrastructure Pty. Ltd.	03/07/1997	24.40	24.40		18.61			1057 m	South
GW802534	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	22/12/2004	12.00	12.00		6.68			1112 m	North East
GW802533	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/10/2004	3.00	3.00					1113 m	North East
GW006832	80BL001431, 80WA706161	Bore open thru rock	Private	Domestic		01/10/1941	66.80	66.80	Domestic	32.90	0.510		1115 m	South
GW801009	80BL142720	Bore	Private	Industrial	MT McKechnie Drilling & Pumping	16/03/1992	9.00	9.00		3.00	1.000		1122 m	North West
GW014667		Bore	Private	Irrigation		01/08/1961	29.60	29.60					1131 m	North
GW803591	80BL244585	Piezo meter	Private	Monitoring	Impax Group	18/02/2008	19.00	19.00		16.60			1136 m	West
GW802564	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	06/12/2004	15.00	15.00					1145 m	South West
GW016383	80BL006820	Well	Private	Irrigation		01/01/1958	13.70	13.70	Good	12.20	3.790		1153 m	North West
GW802563	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	24/11/2004	9.00	9.00		5.70			1154 m	South West
GW802586	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	32.00	32.00					1156 m	South West
GW802595	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	15.00	15.00					1158 m	South West
GW030954	80BL116468, 80WA706738	Bore	Private	Domestic		01/10/1981	63.00	63.00	Good	15.90	0.810		1162 m	North East
GW803669	80BL244595	Bore	Private	Monitoring	The Impax Group	17/04/2008	19.50	19.50		16.10			1166 m	South West
GW802580	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	18/01/2006	20.00	20.00		16.00			1169 m	West
GW008433		Bore	Private	Stock			45.70	45.70	1001-3000 ppm				1178 m	North East
GW803449	80BL244352	Bore	Private	Monitoring	Macquarie Drilling	12/06/2007	19.00	19.00					1192 m	South West
GW802538	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	01/11/2004	2.00	2.00					1192 m	North
GW803590	80BL244584	Piezo meter	Private	Monitoring	Impax Group	19/02/2008	19.00	19.00		15.30			1196 m	West
GW014671	80BL131991	Bore	Private	Domestic, Stock		01/08/1961	18.30	30.50	1001-3000 ppm	12.80	9.240		1197 m	North West
GW803592	80BL244586	Piezo meter	Private	Monitoring	Impax Group	22/02/2008	23.00	23.00		16.10			1206 m	South West
GW803448	80BL244351	Bore	Private	Monitoring	Macquarie Drilling	05/06/2007	19.00	19.00					1208 m	West
GW803447	80BL244350	Bore	Private	Monitoring	Macquarie Drilling	05/06/2007	19.00	19.00					1211 m	South West
GW804720	80BL620060	Bore	Private	Monitoring	Chief Drilling	13/10/2010	24.00	24.00		12.90	1.000		1217 m	North West
GW802603	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	15.00	15.00					1225 m	West
GW802562	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	23/11/2004	9.00	9.00					1238 m	South
GW803446	80BL244353	Bore	Private	Monitoring	Macquarie Drilling	13/06/2007	19.00	19.00					1241 m	West
GW803444	80BL244356	Bore	Private	Monitoring	Macquarie Drilling	06/06/2007	19.00	19.00					1242 m	South West
GW803670	80BL244597	Bore	Private	Monitoring	The Impax Group	17/04/2008	19.00	19.00		16.30			1242 m	South West



GW No.	Licence No	Work Type	Owner Type	Purpose	Contractor	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW803671	80BL244597	Bore	Private	Monitoring	The Impax Group	18/04/2008	22.50	22.50		16.30			1245 m	South West
GW021495		Bore	NSW Office of Water	Town Supply		01/02/1967							1256 m	West
GW025021	80BL023374, 80BL237285	Bore	Local Govt	Municipal		01/09/1967	38.40	42.40	0-500 ppm				1264 m	West
GW803595	80BL244589	Piezo meter	Private	Monitoring	Impax Group	20/02/2008	19.00	19.00		15.30			1267 m	West
GW802532	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/10/2004	12.00	12.00		11.85			1269 m	North
GW803445	80BL244353	Bore	Private	Monitoring	Macquarie Drilling	14/06/2007	18.00	19.00					1269 m	West
GW803443	80BL244356	Bore	Private	Monitoring	Macquarie Drilling	07/06/2007	18.00	19.00					1272 m	South West
GW096148	80BL242924, 80BL242959	Bore	Local Govt	Recreation	DIPNR GROUNDWATER DRILLING	22/07/2005	38.00	45.00		11.60	41.170		1277 m	West
GW019975	80BL012507, 80WA706316	Bore	Private	Domestic		01/05/1962	87.20	87.20	Good				1282 m	South East
GW802553	80BL242551	Bore	Local Govt		Hydrodata	18/12/2004	6.00	6.00					1292 m	South East
GW803442	80BL244356	Bore	Private	Monitoring	Macquarie Drilling	15/06/2007	18.00	19.00					1301 m	South West
GW803593	80BL244587	Piezo meter	Private	Monitoring	Impax Group	20/02/2008	19.00	19.00		16.40			1315 m	South West
GW803594	80BL244588	Piezo meter	Private	Monitoring	Impax Group	21/02/2008	19.00	19.00		15.10			1329 m	West
GW803755	80BL245010	Bore	Private	Monitoring	The Impax Group	13/05/2008	23.00	23.00		16.50			1348 m	South West
GW802576	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	22/12/2004	12.00	12.00					1366 m	East
GW802537	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	01/11/2004	7.00	7.00					1367 m	North West
GW803751	80BL245052	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	25/07/2008	22.00	22.00		16.50			1370 m	South West
GW803672	80BL244598	Bore	Private	Monitoring	The Impax Group	17/04/2008	20.50	20.50		16.30			1378 m	South West
GW803673	80BL244598	Bore	Private	Monitoring	The Impax Group	17/04/2008	22.20	22.20					1380 m	South West
GW803756	80BL245050	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	22/07/2008	21.50	21.50		16.20			1393 m	West
GW802628	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	07/03/2005	5.00	5.00		4.08			1417 m	North East
GW802550	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	10/01/2006	3.00	3.00					1419 m	East
GW803750	80BL245051	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	24/07/2008	22.00	22.00		16.50			1425 m	South West
GW803749	80BL245051	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	23/07/2008	22.00	22.00		16.50			1438 m	South West
GW060614	80BL131908	Well	Private	Domestic			12.80						1440 m	North West
GW008430		Well & Bore	Private	Stock			29.90	29.90		9.00	0.380		1444 m	North
GW802588	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	18/12/2004	6.00	6.00		1.22			1455 m	South West

GW No.	Licence No	Work Type	Owner Type	Purpose	Contractor	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW803748	80BL245051	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	23/07/2008	22.00	22.00		16.50			1457 m	South West
GW803747	80BL245054	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	16/07/2008	22.00	22.00		16.50			1460 m	South West
GW060611	80BL131905	Well	Private	Domestic, Stock		01/01/1904	11.50						1463 m	North West
GW802589	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	22/12/2004	12.00	12.00					1463 m	South West
GW003682		Bore	Private	Irrigation		01/09/1939	47.50	47.60	Fresh	41.80	0.300		1471 m	South
GW802571	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	22/12/2004	9.00	9.00		5.06			1473 m	South
GW803746	80BL245054	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	16/07/2008	22.00	22.00		16.50			1483 m	South West
GW803674	80BL245011	Bore	Private	Monitoring	The Impax Group	16/04/2008	18.80	18.80		16.50			1484 m	South West
GW803675	80BL245011	Bore	Private	Monitoring	The Impax Group	17/04/2008	22.80	22.80		16.50			1487 m	South West
GW060613	80BL131907	Well	Private	Domestic			11.40						1490 m	North West
GW803754	80BL245054	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	18/08/2008	22.00	22.00		16.50			1505 m	South West
GW803753	80BL245053	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	14/08/2008	22.00	22.00					1509 m	South West
GW053473	80BL119754, 80BL135044	Well	Private	Domestic, Stock		01/09/1981	17.00	19.50		12.10	2.530		1509 m	West
GW800988	80BL238763	Bore	Local Govt	Recreation	DLWC Groundwater Drilling	16/11/1999	35.00	35.00		11.73	13.000		1510 m	West
GW802551	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	18/11/2004	2.00	2.00					1516 m	South East
GW803752	80BL245053	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	15/08/2008	22.00	22.00		16.50			1518 m	South West
GW803745	80BL245053	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	15/07/2008	22.00	22.00		16.50			1533 m	South West
GW000431		Bore	Private	Irrigation		01/01/1920	109.70	109.70	Good	45.70	0.250		1536 m	South
GW802555	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	22/12/2004	9.00	9.00		8.89			1542 m	South West
GW803744	80BL245053	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	14/07/2008	22.00	22.00		16.50			1545 m	South West
GW802760	80BL241863, 80BL242443	Bore	Private	Domestic, Irrigation, Stock	WP & RJ Caton Drilling	26/06/2004	33.00	33.00		7.50			1550 m	North West
GW042273		Well	Private				14.90						1550 m	West

GW No.	Licence No	Work Type	Owner Type	Purpose	Contractor	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW803743	80BL245053	Bore	Private	Monitoring	Ability Plus Environmental and Geotechnical Drilling Pty Ltd	11/07/2008	22.00	22.00		16.50			1556 m	South West
GW802585	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	3.00	3.00					1557 m	South
GW042274		Well	Private			01/01/1932	14.90						1557 m	North West
GW803677	80BL245012	Bore	Private	Monitoring	The Impax Group	14/05/2008	23.00	23.00		16.50			1570 m	South West
GW060612	80BL131906, 80BL237943	Well	Private	Domestic, Irrigation, Stock		01/01/1944	11.50						1599 m	North West
GW800320	80BL237277, 80WA707068	Bore	Private	Domestic, Stock	MT McKechnie Drilling & Pumping	02/05/1997	44.00	44.00					1607 m	South East
GW047000	80BL106904	Bore	Private	Industrial, Irrigation		01/10/1977	17.20	17.20	Fair	11.00	1.360		1612 m	North
GW800033	80BL143071, 80WA706941	Bore			Cherlor Air Drillers Pty Ltd	13/01/1992	44.50	44.50	Fresh	20.00	1.300		1619 m	North East
GW803684	80BL242819	Bore	Private	Domestic, Stock	WP & RJ Caton Drilling	01/06/2005	23.50			17.00	1.260		1638 m	South West
GW802590	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	06/12/2004	20.00	22.00		18.20			1646 m	South West
GW034236	80BL031575, 80BL109156	Bore	Local Govt	Town Supply		01/04/1973	70.10	70.10	Good	24.60	60.620	275.00	1657 m	South West
GW060961	80BL132491	Well	Private	Domestic, Stock		01/01/1930	14.90						1664 m	West
GW803676	80BL245012	Bore	Private	Monitoring	The Impax Group	15/05/2008	23.00	23.00		16.70			1689 m	South West
GW065120	80BL141518	Well	Private	Domestic, Irrigation, Stock		16/05/1991	10.80			9.10	5.000		1691 m	North West
GW060300	80BL123422	Bore	Private	Domestic, Irrigation, Stock		01/04/1986	36.60	36.60		19.80			1691 m	North West
GW802549	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	18/11/2004	5.50	5.50					1710 m	West
GW023175	80BL016948, 80WA706356	Bore open thru rock	Private	General Use		01/01/1966	59.40	59.40	Good				1767 m	East
GW803483	80BL244745	Bore	Private	Domestic	WP & RJ Caton Drilling	11/02/2008	38.00	38.00	Good	9.00	0.600		1774 m	South West
GW802625	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	23/01/2006	3.50	3.50					1785 m	South East
GW802572	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	23/12/2004	9.00	9.00		7.79			1798 m	South West
GW008240		Well & Bore	Private	Stock			29.60	29.60		4.60	0.360		1801 m	North
GW040467		Well	Private				11.60						1804 m	North West
GW043749	80BL028152	Bore	Local Govt	Municipal		01/03/1973	70.70	70.70	0-500 ppm	15.80	12.880		1807 m	South West
GW042802	80BL031576, 80BL109157	Bore	Local Govt	Town Supply	DLWC Groundwater Drilling	01/03/1975	55.20		0-500 ppm	16.43	51.510	265.00	1815 m	South West
GW062341	80BL131981	Well	Local Govt	Town Supply		01/01/1909	21.90						1842 m	South West
GW062342	80BL131982	Well	Local Govt	Town Supply			27.60	27.60					1843 m	South West
GW802540	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	02/11/2004	6.00	6.00					1849 m	East
GW098000		Bore	Landcare Group	Monitoring	DLWC Groundwater Drilling	21/01/1999	4.50	4.50					1851 m	North East
GW802558	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	22/12/2004	15.00	15.00					1854 m	South
GW802567	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	13/01/2006	14.80	15.00					1854 m	South



GW No.	Licence No	Work Type	Owner Type	Purpose	Contractor	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW802565	80BL245159	Bore	Local Govt	Monitoring	Hydrodata	22/11/2004	9.00	9.00		8.94			1862 m	South West
GW042218		Well	Local Govt	Domestic, Stock		01/01/1953	18.30			18.40			1872 m	South East
GW802582	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/11/2004	4.00	4.00		2.65			1872 m	North East
GW023854	80BL017628, 80WA706372	Bore open thru rock	Private	Domestic		01/01/1966	48.80	48.80	Good				1881 m	East
GW042803	80BL030711, 80BL109155	Bore	Local Govt	Town Supply		01/01/1975	47.20	47.20		25.60	46.730	274.80	1885 m	South West
GW043750	80BL028155	Bore	Local Govt	Test Bore		01/02/1973	59.70	59.70	Good	24.30	26.300		1887 m	South West
GW043748	80BL028150	Bore	Local Govt	Test Bore		01/01/1973	45.40	45.40		18.20			1890 m	South West
GW039458	80BL143315	Bore	Local Govt	Monitoring	DLWC Groundwater Drilling	22/02/1991	30.00	32.00		11.20		262.50	1901 m	North West
GW802119	80BL241779	Bore	Private	Monitoring	Macquarie Drilling	03/06/2003	13.80	13.80					1907 m	West
GW802121	80BL241779	Bore	Private	Monitoring	Macquarie Drilling	04/06/2003	15.00	15.00					1914 m	West
GW098001		Bore	Landcare Group	Monitoring	DLWC Groundwater Drilling	21/01/1999	5.00	5.00					1918 m	North East
GW802122	80BL241779	Bore	Private	Monitoring	Macquarie Drilling	03/06/2003	12.00	12.00					1921 m	West
GW802120	80BL241779	Bore	Private	Monitoring	Macquarie Drilling	04/06/2003	12.00	12.00					1925 m	West
GW802578	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	01/11/2004	1.50	1.50					1932 m	West
GW802602	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	25/01/2005	7.00	7.00					1951 m	North West
GW066587		Bore		Domestic, Stock		13/12/1990	50.00	50.00		16.50	1.510	300.00	1956 m	East
GW043752	80BL028392	Bore	Local Govt	Municipal		01/01/1973	99.60	99.70	Good				1973 m	South
GW802581	80BL242551	Bore	Local Govt	Monitoring	Hydrodata	23/12/2004	9.00	9.00					1977 m	North

Borehole Data Source : NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corporation for all bores prefixed with GW. All other bores © Commonwealth of Australia (Bureau of Meteorology) 2015. Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Hydrogeology & Groundwater

## White Street, Dubbo, NSW 2830

### Driller's Logs

Drill log data relevant to the boreholes within the dataset buffer:

Groundwater No	Drillers Log	Distance	Direction
GW802556	0.00m-0.10m Clay Loam, reddish brown 0.10m-2.50m Clay, reddish brown, light medium 2.50m-3.50m Clay, brown, light 3.50m-4.00m Clay, brown, light medium, yellow mottles 4.00m-6.00m Clay, brown, light medium, yellow mottles 6.00m-7.00m Clay, brown, light medium, yellow & grey mottles 7.00m-8.00m Clay, brown, light medium, 5% quartz gravel 10mm 8.00m-9.00m Sandy Clay, brown 9.00m-11.00m Sandy Clay, reddish brown	0m	Onsite
GW801216	0.00m-7.00m Silty Clay 7.00m-8.00m Sandy Clay 8.00m-11.20m Clayey sand 11.20m-18.00m Gravel, and clayey sand	26m	West
GW800314	0.00m-8.50m Silty Clay 8.50m-10.50m Sandy Clay 10.50m-18.00m Gravels and Clayey Sand	56m	West
GW800315	0.00m-8.80m Silty Clay 8.80m-10.50m Sandy Clay 10.50m-18.00m Gravels and Clayey Sand	56m	West
GW800316	0.00m-7.20m Silty Clay 7.20m-12.50m Sandy Clay 12.50m-18.00m Gravels and Clayey Sand	56m	West
GW802569	0.00m-0.10m Sandy Clay Loam, dark brown, 2% quartz gravel 0.10m-0.50m Silty Clay Loam, dark brown, 2% quartz to 10mm 0.50m-1.00m Silty Clay Loam, light reddish brown 1.00m-1.50m Clay, reddish brown, light medium, yellow mottles 1.50m-2.00m Clay, reddish brown, light medium, orange mottles 2.00m-3.00m Clay, yellowish brown, light medium, red mottles 3.00m-5.00m Clay, reddish brown, light medium, yellow mottles 5.00m-5.50m Clay, reddish brown, light medium, trace fine sand 5.50m-6.00m Clay, reddish brown, light medium, yellow & orange 6.00m-7.00m Clay, yellowish brown, light medium, red mottles 7.00m-8.00m Clay, reddish brown, light medium, brown mottles 8.00m-9.00m Sandy Clay, brown, 5% sandstone gravel to 10mm 9.00m-10.00m Sandy Clay, brown, yellow & grey mottles 10.00m-11.00m Sandy Clay, brown, 5% sandstone gravel to 10mm 11.00m-12.00m Sandy Clay, brown, grey mottles, 5% sandstone gravel 12.00m-13.00m Sandy Clay, brown, 40% gravel to 40mm	63m	West
GW801215	0.00m-10.00m Silty Clay 10.00m-12.00m Sandy Clay 12.00m-18.00m Gravels, and clayey sand	66m	West
GW801214	0.00m-7.00m Silty Clay 7.00m-9.00m Sandy Clay 9.00m-12.00m Clayey Sand 12.00m-18.00m Gravels, and clayey sand	82m	West
GW800313	0.00m-6.00m Silty Clay 6.00m-8.50m Sandy Silty Clay 8.50m-12.00m Gravelly Clay 12.00m-19.50m Gravelly Sands	89m	West
GW801211	0.00m-10.50m Silty Clay 10.50m-11.90m Sandy Clay 11.90m-18.90m Gravels, and sandy clay	93m	North West
GW800318	0.00m-7.50m Silty Clay 7.50m-11.50m Sandy Clay 11.50m-18.00m Gravels and Clayey Sand	99m	West
GW801212	0.00m-6.50m Silty Clay - brown 6.50m-13.80m Silty Clay - green 13.80m-21.50m Silt and gravel	103m	West

Groundwater No	Drillers Log	Distance	Direction
GW801213	0.00m-8.10m Silty Clay , brown/red 8.10m-11.20m Silty Clay, grey yellow 11.20m-18.00m Gravels, + clayey sand	103m	West
GW800319	0.00m-4.50m Silty Clay 4.50m-9.50m Sandy Silty Clay 9.50m-11.00m Gravelly Clay 11.00m-15.00m Gravelly Clay 15.00m-19.50m Sand, Silt and Gravel	106m	West
GW800317	0.00m-0.50m Topsoil 0.50m-2.00m Silty Clay 2.00m-3.00m Silty Clay Dark Brown 3.00m-6.50m Silty Clay Light Brown 6.50m-7.50m Silty Clay Dark Brown 7.50m-12.00m Silty Clay Dark Brown 12.00m-12.50m Gravelly Clay 12.50m-18.00m Sand, Silt, Gravel	126m	North West
GW801210	0.00m-0.20m Sandy Gravel 0.20m-1.25m Silty Clay, light brown 1.25m-5.80m Silty Clay, yellow brown 5.80m-8.50m Silty Clay, light brown 8.50m-8.65m Gravel 8.65m-10.20m Silty Clay, light brown 10.20m-11.50m Silty Sandy Clay 11.50m-12.20m Sandy Silty Clay 12.20m-13.30m Gravelly Clay 13.30m-14.50m Gravel 14.50m-17.00m Sandy Gravel	132m	North West
GW802994	0.00m-0.40m Gravel, poorly graded 0.40m-11.30m Clay, low plasticity 11.30m-14.00m Clayey Sand 14.00m-17.00m Sand, poorly graded	149m	West
GW802996	0.00m-0.40m Gravel, poorly graded 0.40m-10.00m Clay, low plasticity 10.00m-12.50m Gravel, poorly graded, with Clay 12.50m-16.80m Sand, poorly graded gravelly	159m	West
GW804029	0.00m-1.00m Sand, dark-brown/black, blue metal, coal/coke 1.00m-6.00m Clay, loose, very fine, red, dry 6.00m-8.00m Clay, fine, light-brown, plastic, dry-moist 8.00m-10.50m Clay, loose, very fine, light-brown, dry, weathered 10.50m-11.70m Gravel, large cobbles gravel 11.70m-12.20m Clay, & cobbles, green-brown, sandy, wet-moist 12.20m-13.00m Gravel, small-large, grey, sand, wet cobbles	159m	West
GW805149	0.00m-0.50m Fill; gravel, roadbase 0.50m-12.50m Clay; reddish brown, <5% sand/gravel, stiff, high plasticity 12.50m-14.50m Gravel, 50%; Clay 50%, grey, loose, low plasticity	172m	West
GW802995	0.00m-0.30m Gravel, poorly sorted 0.30m-11.50m Clay, low plasticity 11.50m-16.80m Sand, poorly graded	187m	West
GW805147	0.00m-0.50m Fill; gravel, roadbase 0.50m-1.00m Clay; dark brown, 10% gravel sand, soft 1.00m-2.50m Clay; very dark brown, firm, medium-high plasticity 2.50m-4.00m Clay, sandy; dark brown, loose 4.00m-6.00m Clay; brown, high-very high plasticity 6.00m-8.00m Clay; reddish brown, dense, high plasticity 8.00m-12.00m Clay; gravelly (15-20mm), yellowish brown, high-very high plasticity 12.00m-13.00m Clay; as above, colour change to reddish yellowish brown 13.00m-15.00m Clay; grey, loose gravel, low plasticity	188m	West
GW802992	0.00m-0.40m Gravel, poorly graded with Clay 0.40m-2.50m Silty Clay, low plasticity 2.50m-8.50m Clay, low plasticity 8.50m-14.00m Clayey Sand 14.00m-16.00m Gravel, Clayey	191m	West
GW802993	0.00m-0.60m Asphalt 0.60m-5.70m Clay, low plasticity 5.70m-6.20m Gravel, Clayey 6.20m-11.50m Clayey Sand 11.50m-13.50m Gravel, Clayey 13.50m-16.50m Sand, poorly graded gravelly	192m	West



Groundwater No	Drillers Log	Distance	Direction
GW802592	0.00m-0.50m Sandy Clay Loam, reddish brown, fine, light 0.50m-1.00m Silty Clay, reddish brown, trace of fine sand 1.00m-1.50m Silty Clay Loam, reddish brown 1.50m-2.00m Sandy Clay Loam, reddish brown, fine 2.00m-2.50m Clay, reddish brown, light 2.50m-3.00m Clay, reddish brown, light medium 3.00m-3.50m Sandy Clay Loam, reddish brown, fine 3.50m-4.50m Sandy Clay Loam, reddish brown, fine, wet 4.50m-5.00m Sandy Clay Loam, reddish brown, fine, moist 5.00m-5.50m Sandy Clay Loam, light reddish brown, coarse 5.50m-9.00m Loam, sandy, light reddish brown 9.00m-10.00m Clayey Sand, light reddish brown 10.00m-15.00m Sand, brown, coarse 15.00m-16.00m Sand, brown	195m	West
GW804028	0.00m-0.50m Sand, loose, fine, some gravel, black-dark brown 0.50m-2.00m Clay, loose, fine, plastic, brown-red 2.00m-4.50m Clay, soft, fine red plastic, moist 4.50m-6.00m Clay, soft, fine, light brown, low to moderate plastic, dry-moist 6.00m-8.00m Clay, red/brown, striped throughout 8.00m-9.80m Clay, soft, very fine, light-brown, weathered, dry-moist 9.80m-11.00m Clay, dense, fine, light-brown, weathered, dry-moist 11.00m-12.00m Clay, soft, fine, brown, plastic, moist to wet 12.00m-13.00m Clay, firm, fine, some sand, some green-brown (natural) sandy clay with small to large grounded gravels, HC odour	195m	West
GW805146	0.00m-0.50m Fill; gravel, roadbase 0.50m-1.00m Clay; 50%, Gravel 50%; brown, dark, loose, medium plasticity 1.00m-2.00m Clay; brown, light, loose, medium-high plasticity 2.00m-12.00m Clay; brown, light loose, high plasticity 12.00m-13.00m Clay; 60%, Sand/Gravel 40%; fine, brown, firm, high plasticity 13.00m-15.00m Sand/Gravel 60%, Clay 40%; soft, low plasticity	202m	West
GW805148	0.00m-0.50m Fill; gravel, roadbase 0.50m-2.00m Sand; gravelly 2.00m-9.50m Clay; reddish brown, high plasticity 9.50m-13.50m Gravel; (2-4mm) 60%, Clay 40%, medium plasticity 13.50m-15.00m Gravel, & Sand 70%; clay, grey, soft	207m	West
GW805004	0.00m-0.30m Topsoil 0.30m-12.00m Clay 12.00m-24.00m Alluvial 24.00m-32.00m Clay 32.00m-47.00m Alluvial 47.00m-67.10m Sand, with clay bands	222m	South West
GW802575	0.00m-0.10m Sandy Clay Loam, dark reddish brown 0.10m-0.50m Sandy Clay, reddish brown 0.50m-1.00m Clay, reddish brown, light medium 1.00m-1.50m Sandy clay, greyish brown, 30% ground basalt 1.50m-2.00m Sandy Clay, greyish brown, 50% ground basalt	225m	East
GW802997	0.00m-0.30m Gravel, poorly graded with Clay 0.30m-8.80m Clay, low plasticity 8.80m-11.30m Sand 11.30m-13.00m Gravel, poorly graded with Clay 13.00m-16.80m Sand, poorly graded gravelly	248m	West
GW802593	0.00m-0.10m Loam, dark brown 0.10m-0.50m Loam, brown 0.50m-1.00m Sandy Clay, reddish brown, light fine 1.00m-2.50m Sandy Clay, reddish brown 2.50m-3.50m Sandy Clay, brown 3.50m-4.50m Loam, sandy, brown 4.50m-5.00m Sandy Clay Loam, reddish brown 5.00m-6.00m Sandy Clay, reddish brown, fine	301m	West
GW802606	0.00m-0.50m Loam, brown 0.50m-1.00m Sandy Clay, light, fine, reddish brown 1.00m-2.50m Sandy Clay, reddish brown 2.50m-3.00m Sandy Clay, brown	301m	West
GW021036	0.00m-4.57m Clay Red Hard 4.57m-9.14m Clay Red Sandy 9.14m-10.67m Clay Gravel 10.67m-18.29m Stones Gravel Water Supply Clay 18.29m-23.77m Gravel Large Stones Coarse Water Supply 23.77m-24.38m Gravel White Water Supply 24.38m-27.43m Gravel Clay Water Supply 27.43m-28.96m Gravel Coarse Water Supply 28.96m-30.48m Clay 30.48m-31.09m Sand Dark Water Supply 31.09m-36.58m Gravel White Clean Coarse Water Supply 36.58m-37.19m Clay Light Coloured Water Supply Gravel 37.19m-38.40m Gravel Dark Some Wood Coarse Water Supply 38.40m-39.01m Gravel Clay Water Supply 39.01m-39.62m Gravel Dark Coarse 39.62m-40.84m Gravel Dark Some Wood Coarse Coal Some Clay 40.84m-43.28m Shale	333m	West

Groundwater No	Drillers Log	Distance	Direction
GW804355	0.00m-0.50m Sand, Silty, brown, fine <1% gravel to 5mm 0.50m-12.00m Sandy Clay, orangey brown & tan brown mottling, firm to stiff, minor gavel <5mm dia 12.00m-15.00m Gravel/Sand, orangey brown, coarse sand, subrounded gravels up to 20mm dia	345m	South
GW802608	0.00m-0.10m Loam, sandy, brown, coarse <1% quartz to 5mm 0.10m-0.50m Sandy Clay Loam, brown, coarse 0.50m-1.00m Sandy Clay, light brown, coarse 1.00m-1.50m Sandy Clay, coarse, yellow brown 1.50m-2.50m Sandy Clay, brown 2.50m-3.00m Sandy Clay, yellowish brown 3.00m-3.50m Sandy Clay, yellowish brown, <5% sandstone gravel 3.50m-4.00m Sandyclay, yellowish brown, coarse 4.00m-4.50m Clay, grey, medium 4.50m-5.00m Clay, grey, medium <2% sandstone to 20mm 5.00m-5.50m SandyClay, yellowish brown, coarse, <5% sandstone 5.50m-6.00m SandyClay, coarse, yellowish brown 6.00m-8.00m Clay, grey, light medium, <5% siltstone, grey	357m	South
GW804356	0.00m-1.40m Fill: brown, fine silt sand, gravel to 5mm dia, brick fragments 1.40m-12.00m Sand/Clay, orangey brown & tan brown mottling, firm to stiff, gravels <5mm dia 12.00m-15.00m Gravel/Sand, subrounded gravels <20mm dia	372m	South
GW804357	0.00m-0.60m Fill; red brown silt sand, fine, gravel <10mm dia 0.60m-12.00m Sand/Clay, orangey brown & tan brown mottled, firm to stiff, minor gravels <2mm dia 12.00m-15.00m Gravel/Sand, subrounded gravels <20mm dia, medium to coarse sand	397m	South
GW021289	0.00m-3.96m Clay 3.96m-11.89m Clay Reddish 11.89m-14.94m Clay Gravel 14.94m-17.07m Clay Gravel 17.07m-19.20m Sand Clean Gravel 19.20m-28.65m Sand Very Dirty 19.20m-28.65m Gravel 28.65m-29.87m Clay 29.87m-32.61m Clay Soft Gravel 32.61m-35.05m Sand Gravel 35.05m-41.15m Clay Hard 41.15m-46.94m Shale Sandy 46.94m-53.64m Shale 53.64m-54.56m Rock Decomposed	404m	North West
GW802539	0.00m-0.10m Sandy Clay, dark brown 0.10m-0.50m Sandy Clay, dark brown, <10% sandstone 0.50m-1.00m Sandy Clay, brown, coarse, medium 1.00m-1.50m Sandy Clay, brown, coarse <10% sandstone 1.50m-2.00m Sandy Clay, brown, coarse, <10% sandstone	405m	North
GW802599	0.00m-0.50m Loam, brown 0.50m-1.00m sandy Clay, light, fine, reddish brown 1.00m-2.50m Sandy Clay, reddish brown 2.50m-3.50m Sandy Clay, brown 3.50m-4.50m Loam, sandy, brown 4.50m-5.00m Sandy Clay Loam, reddish brown 5.00m-6.00m Sandy Clay, fine, reddish brown 6.00m-7.00m Clay, light medium, brown 7.00m-8.00m Silty Clay, brown 8.00m-9.00m Sandy Clay, brown, 10% siltstone gravel	436m	West
GW802627	0.00m-0.10m Loam, dark brown 0.10m-0.50m Loam, brown 0.50m-1.00m Sandy Clay, reddish brown, light, fine 1.00m-2.50m Sandy Clay, reddish brown 2.50m-3.50m Sandy Clay, brown 3.50m-4.50m Loam, sandy, brown 4.50m-5.00m Clay Loam, sandy, reddish brown 5.00m-6.00m Sandy Clay, reddish brown, fine	471m	West
GW802598	0.00m-0.10m Loam, sandy, brown 0.10m-0.50m Sandy Clay Loam, light, reddish brown 0.50m-2.00m Clay, light medium, reddish brown 2.00m-2.50m Sandy Clay, fine, yellowish brown 2.50m-3.00m Sandy Clay, brown 3.00m-3.50m Sandy Clay, fine, brown 3.50m-4.00m Sandy Clay, light grey 4.00m-4.50m Clay, light medium, reddish brown 4.50m-5.00m Sandy clay, laom, light reddish brown 5.00m-7.00m Sandy Clay Loam, reddish brown 7.00m-8.00m Sandy Clay, reddish brown 8.00m-9.00m Sandy Clay Loam, reddish brown	477m	West
GW802531	0.00m-0.10m Sandy Clay Loam, dark reddish brown 0.10m-0.50m Sandy clay, reddish brown 0.50m-1.00m Clay, reddish brown, light medium 1.00m-1.40m sandy Clay, greyish brown 1.40m-1.50m Sandy Clay , greyish brown with 50% basalt	491m	North East
GW055824	0.00m-11.00m Clay 11.00m-17.00m Gravel River Water Bearing	496m	North West

Groundwater No	Drillers Log	Distance	Direction
GW802584	0.00m-0.10m Sand, loamy, dark brown 0.10m-0.50m Clayey sand, dark reddish brown 0.50m-1.00m Clayey Sand, brown 1.00m-2.00m Clayey Sand, yellowish brown 2.00m-2.50m Loam, sandy, yellowish brown 2.50m-2.90m Sandy Clay Loam, reddish brown 2.90m-3.00m Rock	520m	South West
GW803627	0.00m-1.00m Nil 1.00m-1.90m Fill, sandy material, minor ash & gravels, blue metal 1.90m-3.00m Topsoil, red basalt soils, silty & dry 3.00m-6.00m Clay, firm, red silty Clay 6.00m-7.00m Clay, minor sand-medium grained, red clay 7.00m-10.00m Clay, gravelly, flat well rounded gravels <30mm 10.00m-12.00m Clay, light brown silty clay 12.00m-13.00m Clay, brown silty clay, no sand or gravel 13.00m-13.50m Clay, gravels starting to work into matrix, silty 13.50m-14.70m Clay, brown silty, no sand or gravel 14.70m-15.50m Sand, gravelly, coarse sand, poorly sorted, wet at 14.5m 15.50m-18.00m Gravel, rounded & angular sand, grey 18.00m-22.00m Clay, firm, relatively dry, red mottled brown 22.00m-24.00m Clay, gravelly sand, firm & hard to drill 24.00m-24.50m Clay, hard section, possible floater 24.50m-27.00m Clay, very angular gravelly clay, grey to dark grey	535m	North
GW802605	0.00m-0.10m Sandy Clay Loam, dark brown, light 0.10m-1.00m Clay Loam, silty, brown 1.00m-2.00m Silty Clay, reddish brown 2.00m-3.00m Silty Clay, yellowish brown 3.00m-3.50m Silty Clay, brownish yellow, light 3.50m-4.50m Silty Clay, grey 4.50m-5.00m Silty Clay, grey, trace of sand 5.00m-5.50m Sandy Clay yellowish brown, fine 5.50m-6.75m Silty Clay, yellowish brown	544m	West
GW802557	0.00m-0.10m Loam, sandy, dark brown, fine 0.10m-0.50m Loam, sand, reddish brown 0.50m-1.00m Clay, yellowish brown, light medium, red & grey mottles 1.00m-1.50m Sandy Clay, reddish brown, grey & yellow mottles 1.50m-2.00m Clay, reddish brown, light medium, orange & grey mottles 2.00m-2.50m Clay, yellowish brown, light medium, orange & grey 2.50m-3.00m Clay, yellowish brown, light medium red & grey mottles 3.00m-3.50m Sandy Clay, yellowish brown, red & grey mottles 3.50m-4.00m Sandy Clay, reddish brown, grey mottles 4.00m-4.50m Sandy Clay, reddish brown, grey & yellow mottles 4.50m-5.00m Sandy Clay, reddish brown 5.00m-5.50m Sandy Clay, yellowish brown, orange & grey mottles 5.50m-6.00m Clay, grey, light medium, orange mottles 6.00m-7.00m Clay, greyish brown, light medium, 2% coarse fragments 7.00m-8.00m Sandy Clay, greyish brown, 20% coarse fragments	545m	South West
GW802621	0.00m-0.10m Loam, sandy, brown, 20% gravel to 30mm 0.10m-0.50m Clay Loam, brown 0.50m-2.50m Silty Clay, reddish brown 2.50m-3.50m Clay, light medium, reddish brown 3.50m-5.00m Sandy Clay Loam, reddish brown, fine 5.00m-5.50m (Unknown) no sample 5.50m-6.00m Silty Clay, brown, 2% hard lime to 30mm 6.00m-7.00m Silty Clay, medium, brown, 5% hard lime to 30mm 7.00m-9.00m Silty Clay, brown	553m	North West
GW802561	0.00m-0.10m Loam, dark brown, sandy 0.10m-0.50m Sandy Clay, yellowish brown, 10% gravel to 15mm 0.50m-1.00m Sandy Clay, yellowish brown, 10% gravel to 15mm 1.00m-1.50m Sandy Clay, yellowish brown, 50% basalt to 30mm	558m	South
GW803628	0.00m-0.70m Nil 0.70m-1.30m Fill, blue metal, sand, poorly sorted materials 1.30m-3.30m Clay, large basalt gravels up to 60mm 3.30m-4.30m Clay, slight odour, dry red silty clay, minor sand 4.30m-5.30m Clay, dry silty clay, slight odour 5.30m-7.30m Clay, red to brown, silty, no odour, only slightly moist 7.30m-8.30m Clay, red to brown, silty clay 8.30m-10.30m Clay, firm, brown, silty, no odour, slight moisture 10.30m-13.30m Clay, light brown, soft, silty, moist 13.30m-15.30m Clay, light brown, soft, silty, moist, slight odour 15.30m-17.30m Gravel, sandy, slight odour, coarse sand 17.30m-17.50m Borehole terminated	558m	North



Groundwater No	Drillers Log	Distance	Direction
GW021295	0.00m-9.75m Clay Sandy 9.75m-29.26m Sand Dry 9.75m-29.26m Gravel Clay 29.26m-30.78m Clay Gravel 30.78m-33.83m Sand 33.83m-35.97m Clay Sandy Soft 35.97m-39.93m Sand Very Dirty 35.97m-39.93m Gravel 39.93m-41.15m Clay Grey Sandy 41.15m-44.50m Clay Gravel 44.50m-46.02m Clay White Sandy 46.02m-48.16m Sand Gravel Water Supply 48.16m-49.07m Clay Soft 49.07m-50.60m Clay Hard Sandy 50.60m-57.00m Shale	559m	West
GW802597	0.00m-0.10m Loam, sandy, dark reddish brown 0.10m-0.50m Sandy Clay Loam, reddish brown, light 0.50m-1.00m Clay, reddish brown, light medium 1.00m-2.00m Clay, light reddish brown, light medium 2.00m-4.00m Sandy Clay, brown 4.00m-4.50m Clay, brown, light medium 4.50m-6.00m Sandy Clay Loam, brown 6.00m-7.00m Sandy Clay Loam, greyish brown, 1% sandstone 7.00m-8.00m Sandy Clay, coarse, greyish brown	563m	South West
GW802609	0.00m-0.50m Sandy Clay Loam, dark brown 0.50m-1.00m Sandy Clay, reddish brown 1.00m-2.50m Sandy Clay, red 2.50m-3.00m Sandy Clay, reddish brown 3.00m-3.50m Sandy Clay, reddish brown, light 3.50m-5.00m Sandy Clay Loam, reddish brown, wet 5.00m-5.50m Sandy Clay, light, reddish brown 5.50m-6.00m Sandy Clay, reddish brown	563m	South West
GW803626	0.00m-0.80m Fill, red silty loam, minor sand, basalt present 0.80m-3.00m Clay, red clayey silty soil, minor sand, basalt present 3.00m-5.00m Clay, red clayey silty soil, minor sand, basalt present 5.00m-6.00m Clay, slightly lighter coloured re soils, basalt present 6.00m-7.00m Clay, slight moist red silty Clay, slight odour (hydrocarbons) 7.00m-7.50m Clay, dark red stained soils, stronger odour 7.50m-9.00m Clay, hard, brown reddish clay, minor staining 9.00m-10.00m Clay, odourous dark brown clay, minor basalt 10.00m-11.00m Clay, sandy, silty light brown Clay, small quartzose gravels 11.00m-12.00m Clay, dry, silty Clay, no odour, light brown 12.00m-14.00m Clay, slightly gravelly Clay, slightly moist 14.00m-15.00m Clay, becoming higher in moisture content, slight odour 15.00m-16.00m Clay, silty, brown, minor gravel no odour 16.00m-17.00m Clay, firm, moist, silty sand, 17.00m-17.30m ?	567m	North
GW805209	0.00m-0.10m Fill; Concrete 0.10m-0.20m Fill; Gravel 0.20m-5.00m Clay	580m	West
GW805207	0.00m-0.10m Fill; Concrete 0.10m-0.20m Fill; Gravel 0.20m-10.30m Clay, Sandy 10.30m-11.00m Sand, Clayey 11.00m-13.80m Gravel	589m	West
GW805210	0.00m-0.10m Fill; Concrete 0.10m-0.20m Fill; Gravel 0.20m-5.00m Clay	589m	West
GW805208	0.00m-0.10m Fill; Concrete 0.10m-0.20m Fill; Gravel 0.20m-10.00m Clay, Sandy 10.00m-11.00m Sand, Clayey 11.00m-11.20m Gravel	591m	West
GW802542	0.00m-0.10m Silty Clay Loam, dark brown 0.10m-1.50m Silty Clay, light reddish brown 1.50m-2.00m Clay, light reddish brown, light medium, 5% sandstone gravel 2.00m-2.50m Clay, light reddish brown, light medium 2.50m-9.00m Clay, brown, medium 9.00m-11.00m Clay, brown, light medium 11.00m-12.00m Clayey Sand, brown, 40% pebbles to 60mm 12.00m-13.00m Sandy Clay, brown, 40% pebbles to 40mm 13.00m-13.50m Sandy Clay, brown, 60% pebbles to 40mm	607m	North West

Groundwater No	Drillers Log	Distance	Direction
GW804925	0.00m-1.00m Fill; Road Base, dark blue/grey basalt gravels, wet 1.00m-4.50m Clay; red/brown, medium plasticity, wet 4.50m-10.00m Clay, with Sand & Gravel; grey/brown, medium plasticity, moist with fine sand & medium gravels 10.00m-13.50m Sand; white, fine grained, dry with trace of clay 13.50m-16.00m Clay; white/yellow, medium plasticity, dry with trace fine sand 16.00m-21.00m Sandstone, weathered; orange/white, fine grains, moist with alternating hard & soft layers 21.00m-22.50m Sandstone, weathered; yellow/white, fine to medium grains, wet 22.50m-24.00m Sandstone, weathered; yellow/white, fine to medium grains, saturated 24.00m-26.00m Sandstone, weathered; white/yellow, fine grains, saturated 26.00m-26.80m Basalt, weathered; black, hard	653m	South
GW804726	0.00m-0.20m Fill; Concrete 0.20m-0.80m Fill; Road Base; grey/black gravels, dry 0.80m-1.10m Fill; Road Base; grey/black gravels, wet 1.10m-3.00m Clay; red/brown, high plasticity, saturated 3.00m-4.00m Clay; brown, medium plasticity, saturated	663m	South
GW804727	0.00m-0.20m Fill; Concrete 0.20m-0.80m Fill; Road Base; grey/black gravels, wet 0.80m-1.30m Fill; Road Base; grey/black gravels, saturated 1.30m-2.00m Clay; red/brown, high plasticity, wet 2.00m-3.10m Clay; red/dark brown, medium plasticity, moist 3.10m-4.80m Clay; light brown, medium plasticity, moist 4.80m-5.10m Clay; light brown, high plasticity, dry 5.10m-6.20m Clay, with Gravels; brown, medium plasticity, dry with medium gravels up to 10mm 6.20m-6.50m Clay, with Gravels; light brown/grey, medium plasticity, dry, with medium gravels up to 10mm 6.50m-7.50m Sandy Clay; light brown/grey/white, medium plasticity, moist with fine sand 7.50m-8.60m Clay; white, medium plasticity, dry 8.60m-9.20m Sandy Clay; light brown/orange, medium plasticity, dry with fine sand 9.20m-10.30m Sandy Clay; brown, medium plasticity, dry with fine sand 10.30m-11.00m Sandy Clay; grey, medium plasticity, moist with fine sand 11.00m-11.80m Clay, with Sand; orange/light brown, medium plasticity, dry to moist with some fine sand 11.80m-12.70m Clay, with Sand; grey/brown, medium plasticity, moist with some fine sand	665m	South
GW021022	0.00m-12.19m Clay 12.19m-13.72m Clay Gravel 13.72m-22.56m Gravel Water Supply 22.56m-22.86m Clay Water Supply 22.86m-27.13m Gravel Water Supply 27.13m-27.74m Sand Yellow 27.74m-33.53m Clay 33.53m-34.75m Clay Black Silty Sandy Fine 34.75m-35.36m Conglomerate Water Supply 35.36m-38.40m Clay Black Hard Very Sandy 38.40m-42.67m Clay Very Hard Sandy 42.67m-45.11m Shale Hard	675m	West
GW804863	0.00m-0.30m Fill; Concrete 0.30m-1.00m Fill; Road base, dark blue/grey basalt gravels, wet 1.00m-3.70m Clay; red/brown, high plasticity, moist with a trace of fine uniform sand 3.70m-4.90m Clay; light brown, low plasticity, dry 4.90m-5.60m Gravel; white/yellow, coarse, dry	676m	South
GW802559	0.00m-0.10m Fill, road 0.10m-0.50m Sandy Clay Loam, reddish brown 0.50m-1.00m Silty Clay Loam, reddish brown 1.00m-1.50m Silty Clay, reddish brown 1.50m-2.00m Clay, reddish brown, light medium 2.00m-3.50m Clay, light reddish brown, light medium 3.50m-4.50m Clay, red, light medium 4.50m-6.00m Sandy Clay, brown, fine 6.00m-7.00m Sandy Clay, brown 7.00m-8.00m Sandy Clay, brown, 2% sandstone gravel to 20mm 8.00m-9.00m Sandy Clay Loam, brown, 5% sandstone to 20mm 9.00m-12.00m Sandy Clay Loam, brown 12.00m-13.00m Sandy Clay Loam, yellowish brown, 2% quartz to 15mm 13.00m-13.50m Sandy Clay Loam, yellowish brown, 20% quartz to 15mm	685m	West
GW804926	0.00m-1.00m Fill; Road Base, dark blue/grey basalt gravels, moist 1.00m-4.50m Clay; red, medium plasticity, wet, strong diesel odour @2.8m 4.50m-5.50m Clay; light brown, medium plasticity, moist 5.50m-6.50m Clay, with Gravels; brown, medium plasticity, moist with medium gravels 6.50m-7.50m Sandy Clay; white, medium plasticity, moist with fine sand 7.50m-9.00m Clay; white, medium plasticity, dry 9.00m-12.00m Sandy Clay; light brown, medium plasticity, moist with fine sand 12.00m-14.00m Clay; light brown/grey, medium plasticity, moist with trace fine sand 14.00m-14.80m Clay, with Sand; white, medium plasticity, moist with fine sand 14.80m-15.20m Siltstone, weathered; black/dark grey, moist, medium to hard 15.20m-18.50m Sandstone, weathered; orange, fine grains, moist, soft 18.50m-20.00m Sandstone, weathered; orange, fine grains, moist, hard 20.00m-23.00m Sandstone, weathered; grey/white, fine grains, wet, soft 23.00m-25.50m Sandstone, weathered; grey/white, fine grains, saturated 25.50m-26.70m Basalt, weathered; black, hard	685m	South

Groundwater No	Drillers Log	Distance	Direction
GW804725	0.00m-0.20m Fill; Concrete 0.20m-0.80m Fill; Road Base, grey/black gravels, dry 0.80m-1.60m Clay; red/brown, high plasticity, moist 1.60m-2.40m Clay; brown/dark brown, high plasticity, dry 2.40m-3.50m Clay; red/brown, high plasticity, dry 3.50m-4.80m Clay; light brown, medium plasticity, dry 4.80m-5.80m Clay, with Gravels; brown/light brown, medium plasticity, moist with medium gravels up to 10mm 5.80m-7.50m Clay; light brown, medium plasticity, moist 7.50m-8.50m Clay; grey, low plasticity, dry 8.50m-9.30m Clay; brown/orange, low plasticity, dry 9.30m-9.70m Sandy Clay; yellow/light brown, low plasticity, dry, with fine sand 9.70m-10.50m Sandy Clay; brown, low plasticity, dry with fine sand 10.50m-11.00m Sandy Clay; brown/grey, medium plasticity, moist with fine sand 11.00m-12.50m Clay; grey/brown, medium plasticity, moist	696m	South
GW804924	0.00m-1.00m Fill; Road Base, dark blue/grey basalt gravels, moist 1.00m-3.50m Clay; red/brown, medium plasticity, moist 3.50m-5.80m Clay; light brown, medium plasticity, dry 5.80m-7.00m Sandy Clay; light brown/white, medium plasticity, moist with fine sand 7.00m-9.00m Clay; white, high plasticity, moist 9.00m-12.50m Sand; white, fine grained, moist with some clay 12.50m-15.00m Clay; white, high plasticity, dry with trace amounts of fine white sand 15.00m-18.00m Sandstone, weathered; orange/white/yellow, fine grained, moist with some clay 18.00m-20.00m Sand, weathered; white, fine grained, moist 20.00m-22.00m Sandstone, weathered; white, fine grained, moist, harder layer 22.00m-24.00m Sandstone, weathered; white/grey, fine grained, saturated 24.00m-26.00m Basalt, weathered; black, hard	701m	South
GW021032	0.00m-3.05m Clay Hard 3.05m-4.57m Clay Slightly Sandy 4.57m-5.49m Clay Sandy 5.49m-19.81m Clay Grey Puggy Swelling 19.81m-20.42m Clay Gravel Water Supply 20.42m-24.69m Gravel White Water Supply 24.69m-28.65m Gravel Water Supply 28.65m-32.00m Clay Yellow 32.00m-35.05m Clay Black 35.05m-36.58m Sand Water Supply 36.58m-41.76m Gravel Sand Water Supply 41.76m-43.59m Clay Soft 43.59m-46.63m Sand 46.63m-53.04m Gravel Water Supply 53.04m-53.34m Clay 53.34m-60.05m Sand Grey Fine Water Supply 60.05m-60.96m Sand Coarse Water Supply 60.96m-61.57m Clay 61.57m-64.31m Sandstone Dark 64.31m-64.62m Sandstone Coarse 64.62m-65.23m Gravel Some Clay Coarse 65.23m-66.75m Clay Sandy 66.75m-67.06m Shale Sandy Dark	705m	South West
GW025098	0.00m-13.11m Clay 13.11m-17.37m Gravel Dirty Silt 17.37m-21.03m Clay 21.03m-24.38m Gravel Clay Water Supply 24.38m-26.21m Clay Some Gravel 26.21m-30.48m Shale	719m	North West
GW006831	0.00m-0.60m Loam 0.60m-13.71m Clay Sandy 13.71m-34.13m Sandstone Water Supply 34.13m-38.40m Shale Black 38.40m-38.42m Sandstone Water Supply	753m	South
GW802568	0.00m-0.10m Sandy Clay, dark reddish brown, gravel to 10mm 0.10m-0.50m Sandy Clay, dark reddish brown 0.50m-1.00m Clay, reddish brown, light medium 1.00m-2.00m Clay, brown, light medium 2.00m-2.50m Clay, brown, light medium, 2% gravels, red mottles 2.50m-2.90m Clay, brown, light medium, 50% basalt & quartz 2.90m-3.00m Rock	758m	South East



Groundwater No	Drillers Log	Distance	Direction
GW804740	0.00m-0.50m Topsoil 0.50m-3.50m Clay 3.50m-5.49m Sandy Clay 5.49m-19.81m Clay, grey, swelling 19.81m-20.42m Gravel, clay stringers 20.42m-24.69m Gravel, clean, washed, water bearing 24.69m-28.65m Gravel, water bearing 28.65m-32.00m Clay, yellow 32.00m-35.05m Clay, black 35.05m-41.76m Sand, & Gravel, water bearing 41.76m-43.59m Clay 43.59m-46.63m Sand 46.63m-53.04m Gravel, water bearing 53.04m-53.34m Clay bands 53.34m-60.05m Sand, fine, grey, water bearing 60.05m-60.96m Sand, coarse, grey, water bearing 60.96m-62.00m Clay, grey	760m	South West
GW802633	0.00m-0.10m Clay Loam, sandy, dark brown 0.10m-0.50m Sandy Clay Loam, dark brown 0.50m-1.00m Clay, reddish brown, light medium 1.00m-1.50m Clay, reddish brown, light medium, 2% lime 1.50m-2.00m Silty Clay, reddish brown, 2% lime 2.00m-3.00m Sandy Clay, yellowish brown, 1% quartz to 5mm 3.00m-3.50m Sandy Clay, greyish brown, 5% lime, 10% basalt 3.50m-4.00m Sandy Clay, greyish brown, 20% lime 4.00m-7.00m Silty Clay, pinkish red, 25% lime 7.00m-9.00m Silty Clay, pinkish red, 20% hard & 10% soft lime 9.00m-10.00m Silty Clay, yellow, 10% hard & 10% soft lime 10.00m-11.00m Silty Clay, white 11.00m-15.00m Silty Clay, light grey	761m	South East
GW802583	0.00m-0.10m Loam, sandy, brown 0.10m-0.50m Sandy Clay Loam, dark reddish brown, light 0.50m-1.00m Sandy Clay Loam, reddish brown 1.00m-4.50m Sandy Clay, red 4.50m-5.00m Sandy Clay, light grey 5.00m-5.50m Sandy Clay, red 5.50m-6.00m Sandy Clay, reddish brown	794m	South
GW803722	0.00m-0.10m Clay Loam, sandy, dark brown 0.10m-0.50m Sandy Clay Loam, brown, fine 0.50m-1.00m Clay, reddish brown, light 1.00m-1.50m Clay, reddish brown, light medium 1.50m-2.00m Clay, reddish brown, light 2.00m-3.50m Clay, brown, light medium 3.50m-4.00m Sandy Clay, brown, fine, with 1% manganese segregations 4.00m-4.50m Sandy Clay, brown, fine 4.50m-8.00m Sandy Clay, brown, fine, with 1% manganese segregations 8.00m-9.00m Sandy Clay, brown, with 2% manganese segregations 9.00m-11.00m Sandy Clay, brown, coarse, with 2% gravel to 10mm 11.00m-12.00m Sandy Clay, brown 12.00m-13.00m Clay Loam, sandy, brown 13.00m-14.00m Sandy Clay Loam, brown 14.00m-15.00m Clayey Sand, brown, with 80% rounded quartz gravel to 50mm	795m	West
GW804704	0.00m-0.10m Asphalt; Road Base 0.10m-0.50m Fill; Sandy Clay; clay is moderate plasticity, orange brown, sand is medium to coarse, some gravels 0.50m-18.60m Basalt; dark grey, fractured	796m	South East
GW804703	0.00m-0.10m Fill; Asphalt - Road Base 0.10m-0.50m Fill; Sandy Clay, clay is moderate plasticity, orange brown, sand is medium to coarse 0.50m-18.60m Basalt; dark grey, fractured	799m	South East
GW804702	0.00m-0.10m Fill; Asphalt - Road Base 0.10m-0.40m Fill; Sandy Clay, clay moderate plasticity, sand is medium-coarse 0.40m-5.30m Basalt; dark grey, fractured 5.30m-5.50m Clay; moderate to high plasticity, grey brown, soft 5.50m-16.50m Basalt; dark grey, fractured, becoming clayey at 16.5 16.50m-18.50m Basalt; as above, highly fractured, weathered, some moderately plasticity clay	805m	South East
GW065735	0.00m-1.00m Topsoil 1.00m-6.00m Clay, brown 6.00m-10.00m Sand & Clay 10.00m-17.50m Gravel, with some water, moist 17.50m-19.00m Gravel, water bearing 19.00m-19.50m Gravel, yellow, with some water	818m	North West
GW802591	0.00m-0.10m Sandy Clay Loam, dark reddish brown 0.10m-1.50m Clay, reddish brown, light medium 1.50m-2.00m Clay, brown, medium, 2% basalt to 10mm 2.00m-2.50m Sandy Clay, brown, 5% basalt gravel to 10mm 2.50m-3.00m Clay, light reddish brown, light medium clay 3.00m-4.50m Clay, brown, medium, 2% gravels to 5mm 4.50m-5.00m Clay, brown, light medium 5.00m-5.50m Sandy Clay, brown, 2% basalt gravel to 10mm 5.50m-6.00m Sandy Clay, red, 2% basalt gravel to 10mm	831m	West

Groundwater No	Drillers Log	Distance	Direction
GW008197	0.00m-5.18m Clay 5.18m-8.53m Clay Sandy 8.53m-10.67m Clay Sand 8.53m-10.67m Gravel 10.67m-18.90m Gravel Water Supply	849m	North West
GW802560	0.00m-0.10m Sandy Clay Loam, dark brown 0.10m-0.50m Sandy Clay Loam, brown, fine 0.50m-1.00m Clay, reddish brown, light 1.00m-1.50m Clay, reddish brown, light medium 1.50m-2.00m Clay, reddish brown, light 2.00m-3.50m Clay, brown, light medium 3.50m-4.50m Sandy Clay, brown, fine 4.50m-9.00m Sandy Clay, brown 9.00m-11.00m Sandy Clay, brown, coarse, 2% gravel to 10mm 11.00m-12.00m Sandy Clay, brown 12.00m-14.00m Sandy Clay Loam, brown 14.00m-15.00m Clayey sand, brown, 80% quartz gravel to 50mm	852m	North West
GW025091	0.00m-11.58m Silt 11.58m-12.80m Boulders Gravel 12.80m-20.12m Boulders 20.12m-21.03m Gravel Water Supply 21.03m-28.65m Gravel Clay Water Supply 28.65m-30.78m Gravel Grey Clay Water Supply 30.78m-33.83m Gravel Water Supply 33.83m-35.97m Gravel Coarse Water Supply 35.97m-37.49m Gravel Water Supply 37.49m-38.71m Gravel Dark Clay 38.71m-41.76m Clay Dark Shale	856m	North West
GW802587	0.00m-0.10m Loam, sandy, brown, coarse, <2% quartz to 5mm 0.10m-0.50m Sandy Clay Loam, coarse, brown 0.50m-1.00m Sandy Clay, light brown, coarse 1.00m-1.50m Sandy Clay, yellowish brown, coarse 1.50m-2.00m Sandy Clay, yellowish brown 2.00m-2.50m Sandy Clay, brown 2.50m-3.00m Sandy Clay, yellowish brown 3.00m-3.00m Sandy Clay, yellowish brown, <5% sandstone gravel	877m	South West
GW802552	0.00m-0.10m Clay Loam, reddish brown 0.10m-0.50m Clay, reddish brown, medium heavy, yellow mottles 0.50m-1.00m Clay, yellowish brown, medium, red mottles 1.00m-2.00m Clay, yellowish brown, heavy 2.00m-2.50m Clay, yellowish brown, heavy, yellow mottles 2.50m-3.00m Clay, yellowish brown, medium heavy 3.00m-3.50m Clay, greyish brown, medium, yellow mottles 3.50m-3.90m Clay, light grey, medium, 60% basalt fragments 3.90m-4.00m Basalt	894m	East
GW802570	0.00m-0.10m Sandy Clay Loam, greyish brown, 10% quartz 0.10m-0.50m Sandy Clay, reddish brown 0.50m-1.00m Sandy Clay Loam, greyish brown 1.00m-3.00m Sandy Clay, reddish brown 3.00m-3.50m Sandy Clay Loam, red 3.50m-4.50m Sandy Clay, red 4.50m-7.50m Sandy Clay Loam, reddish brown 7.50m-9.00m Sandy Clay, grey, medium	897m	South West
GW802574	0.00m-0.10m Clay Loam, dark reddish brown 0.10m-0.50m Sandy Clay, brown, 10% sandstone grvl 5mm 0.50m-1.00m Clay, brown, medium, yellow & grey mottles 1.00m-1.50m Clay, yellowish brown, light medium 1.50m-2.00m Clay, brown, light medium, yellow mottles 2.00m-2.50m Clay, reddish brown, light medium, yellow mottles 2.50m-3.00m Sandy Clay, reddish brown, 5% sandstone gvl 10mm 3.00m-4.50m Sandy Clay Loam, reddish brown, sandstone gvl 4.50m-5.00m Sandy Clay, grey 5.00m-5.50m Sandy Clay, greyish brown 5.50m-6.00m Sandy Clay, brown, yellow sandstone gvl to 10mm 6.00m-7.00m Clay, yellow, light medium, grey mottles 7.00m-8.00m Clay, yellowish brown, light meidum, red mottles 8.00m-10.00m Clay, yellowish brown, light meidum, grey & red mottles 10.00m-11.00m Clay, light grey, light medium, yellow mottles 11.00m-12.00m Clay, light grey, light medium	927m	North East
GW803838	0.00m-0.50m Loam, Sandy Clay 0.50m-1.50m Sandy Clay 1.50m-5.20m Loam, fine Sandy Clay 5.20m-10.20m Loam, Sandy, Gravel present <2mm dia 10.20m-13.90m Clayey Sand, Gravel present <2mm dia 13.90m-14.50m Clayey Sand, gravel present <10mm dia 14.50m-17.20m Sand, Gravel present <2mm dia 17.20m-18.60m Sand, Quartz present <2mm dia 18.60m-19.00m Sand, Quartz present <15mm dia 19.00m-20.50m Clayey Sand, Gravel present <30mm dia 20.50m-21.50m Clayey Sand, Gravel present <30mm dia, slight higher clay content 21.50m-22.50m Loam, Sandy Clay, Gravel present <30mm dia 22.50m-24.00m Sandy Clay, Gravel present <20mm dia	942m	West

Groundwater No	Drillers Log	Distance	Direction
GW801221	0.00m-2.10m Silty Clay, with sand, red brown 2.10m-4.60m Silty Clay, with sand, light brown 4.60m-5.30m Clay, orange and grey banded 5.30m-9.00m Siltstone, pink grey-becoming light grey brown, some clay bands 9.00m-10.30m Sandstone/Siltstone, white and light brown bands 10.30m-10.50m Sandstone, orange, very fine grained 10.50m-14.10m Sandstone, white, very fine grained 14.10m-14.60m Sandstone, orange 14.60m-14.90m Sandstone, white with orange bands 14.90m-15.00m Sandstone, white 15.00m-16.10m Sandstone, white with orange bands 16.10m-20.00m Sandstone, orange, very fine grained, slightly coarser sands from 17.5m 20.00m-22.10m Sandstone, light brown, very fine grained 22.10m-24.40m Shale, dark grey	945m	South
GW803941	0.00m-0.20m Fill, roadbase, grey 0.20m-0.50m Fill, red brown, gravelly clay with rubble fragments 0.50m-7.00m Sandy Clay, red brown, fine-medium grained 7.00m-13.00m Clayey Sand, grey & red brown, medium-coarse grained 13.00m-17.20m Clayey Sand, grey & brown, fine-coarse grained with fine-coarse gravel	947m	West
GW803942	0.00m-0.30m Roadbase, grey basalt 0.30m-11.00m Silty Clay, red brown 11.00m-14.20m Clayey Sand, coarse, red brown with trace fine Gravel 14.20m-16.50m Clayey Sand, coarse, grey brown with fine-medium Gravel	950m	West
GW803723	0.00m-0.10m Sandy Clay Loam, dark reddish brown 0.10m-1.00m Clay, reddish brown, light medium 1.00m-1.50m Clay, reddish brown, light medium, with 10% yellow mottles & 2% manganese segregations 1.50m-2.00m Clay, brown, medium, with 2% basalt gravel to 10mm 2.00m-2.50m Sandy Clay, brown, with 5% basalt gravel to 10mm 2.50m-3.00m Clay, light reddish brown, light medium, with 10% grey mottled & 5% gravels to 5mm 3.00m-3.50m Clay, brown, medium, with 20% yellow mottles & 2% gravels to 5mm 3.50m-4.00m Clay, brown, medium, with 10% yellow mottles & 2% gravels to 5mm 4.00m-4.50m Clay, brown, medium, with 2% gravels to 5mm 4.50m-5.00m Clay, brown, light medium, with 10% red & 10% yellow mottles & 2% manganese segregations 5.00m-5.50m Sandy Clay, brown, with 2% basalt gravel to 10mm 5.50m-6.00m Sandy Clay, red, with 2% basalt gravel to 10mm	954m	West
GW008159	0.00m-3.66m Soil 3.66m-9.45m Clay Yellow Some Hard Bands 9.45m-15.24m Sand Gravel Water Supply Stones Large 15.24m-20.12m Sand Silty Fine Water Supply 20.12m-25.91m Sand Gravel Water Supply 25.91m-26.21m Clay 26.21m-27.13m Gravel Clayey Sand Water Supply 27.13m-36.88m Gravel Sand Water Supply 36.88m-41.00m Clay	962m	North West
GW012081	0.00m-9.45m Clay 9.45m-19.81m Gravel Hard Clay 19.81m-25.60m Gravel Small 19.81m-25.60m Sand Clay 25.60m-25.91m Clay Black Gravel 25.91m-27.43m Clay Black 27.43m-28.96m Clay Black Gravel 28.96m-30.48m Clay Black Dirty Some Gravel 30.48m-38.10m Gravel 38.10m-42.67m Clay Black 42.67m-44.20m Clay White 44.20m-46.63m Clay Yellow 46.63m-48.77m Clay Grey Shaley Sandy 48.77m-51.82m Shale Grey	963m	North West
GW803939	0.00m-0.30m Fill, Roadbase, grey basalt 0.30m-6.50m Silty Clay, red brown 6.50m-8.00m Clayey Sand, coarse, red brown 8.00m-14.00m Clayey Sand, as above, trace fine Gravel 14.00m-17.00m Gravel, fine to medium	964m	West
GW008154	0.00m-2.44m Soil Black Hard 2.44m-8.08m Clay Yellow Hard 8.08m-10.97m Sand Gravel Water Supply 10.97m-13.41m Gravel Sand Water Supply Stones Large Water Supply 13.41m-23.16m Sand Gravel Water Supply 23.16m-26.82m Silt Black Water Supply 26.82m-27.74m Silt Black Gravel Water Supply 27.74m-33.83m Gravel Sand Water Supply 33.83m-36.73m Clay	966m	North West
GW803940	0.00m-0.40m Fill, Roadbase, grey basalt/crushed concrete 0.40m-10.00m Silty Clay, red brown 10.00m-11.50m Clayey sand, red brown, coarse sand 11.50m-14.50m Clayey Sand - trace fine gravel 14.50m-15.00m Clayey Sand - trace fine-medium gravel 15.00m-17.20m Clayey Sand, coarse with fine-medium gravel, grey brown	968m	West



Groundwater No	Drillers Log	Distance	Direction
GW803833	0.00m-0.50m Silty Clay, slightly moist 0.50m-1.20m Loam, Silty, dry 1.20m-2.20m Loam, Silty Clay, slightly moist 2.20m-2.80m Loam, Gravelly Silty Clay, dry 2.80m-3.00m Loam, fine Sandy Clay, slightly moist 3.00m-3.80m Loam, Gravelly fine Sandy Clay, slightly moist 3.80m-5.70m Loam, Sandy Clay, slightly moist 5.70m-9.50m Sandy Clay, Silty, moist 9.50m-12.00m Sandy Clay, Silty (Gravel present <10mm), moist 12.00m-12.90m Sand, slightly moist	969m	West
GW803837	0.00m-0.50m Silty Clay, slightly moist 0.50m-1.20m Loam, Silt, dry 1.20m-2.20m Loam, Silty Clay, slightly moist. 2.20m-2.80m Loam, Gravelly Silty Clay, slightly moist 2.80m-3.00m Loam, fine Sandy Clay, slightly moist 3.00m-3.80m Loam, Gravelly fine Sandy Clay, dry 3.80m-5.70m Loam, Sandy Clay, slightly moist 5.70m-9.50m Sandy Clay, Silty, moist 9.50m-12.00m Sandy Clay, Silty, gravel present <10mm dia, moist. 12.00m-12.90m Sand, slightly moist 12.90m-14.80m Sandy Clay, Silty, moist. 14.80m-18.00m Sandy Clay, gravel present <20mm dia, moist 18.00m-18.80m Silty Clay, moist. 18.80m-24.50m Sandy Clay, Silty, gravel present <30mm dia, wet 24.50m-25.00m Silty Clay, moist	970m	West
GW802604	0.00m-0.50m Loam, sandy, brown, 20% gravel to 20mm 0.50m-1.00m Clay Loam, brown, fine sandy 1.00m-3.00m Silty Clay, reddish brown 3.00m-6.00m Sandy Clay Loam, fine, light reddish brown 6.00m-8.40m Sandy Clay, brown, light 8.40m-8.50m Sandstone	975m	South West
GW801219	0.00m-0.30m Gravel, sandy, black 0.30m-2.80m Silty Clay, with sand, red brown 2.80m-5.60m Clayey Sandy Silt, orange, cemented 5.60m-9.60m Siltstone bands, light grey, iron staining throughout 9.60m-9.80m Siltstone/claystone, dark red 9.80m-10.60m Siltstone, light brown, some iron staining 10.60m-10.70m Ironstone/Siltstone band, dark red 10.70m-13.90m Siltstone, light grey with orange bands 13.90m-14.40m Siltstone/mudstone, light grey 14.40m-14.50m Siltstone, dark blood red 14.50m-15.50m Siltstone, light red brown 15.50m-17.00m Siltstone, light grey 17.00m-20.00m Siltstone/Sandstone, light grey brown with dark red streaks 20.00m-22.40m Sandstone, light grey with red staining, very fine grained 22.40m-25.20m Sandstone, light brown grey with some orange bands 25.20m-26.00m Shale/Siltstone, black grey 26.00m-26.90m Siltstone, dark brown 26.90m-27.40m Sandstone, brown, very fine grain sand	982m	South
GW803834	0.00m-0.50m Loam, Sandy, moist 0.50m-1.20m Loam, Silt, moist 1.20m-3.20m Loam, Silty Clay, moist 3.20m-5.30m Loam, fine Sandy Clay, moist 5.30m-6.00m Loam, Sandy Clay, moist 6.00m-7.80m Sandy Clay, Silty, moist 7.80m-9.00m Loam, fine Sandy Clay, moist 9.00m-10.80m Loam, fine Sandy Clay, gravel present <15mm, moist 10.80m-12.00m Sandy Clay, Silty, moist 12.00m-12.90m Sand, moist	982m	West
GW803938	0.00m-0.30m Fill, Roadbase, grey basalt 0.30m-1.50m Clay, red brown, some fine to medium grained sand, dry to moist 1.50m-6.50m Sandy Clay, red brown, fine to medium grained, moist 6.50m-8.00m Clayey Sand, red brown, medium grained with traces of fine Gravel 8.00m-10.00m Clayey Sand, red brown, medium to coarse grained, some fine Gravel 10.00m-14.00m Clayey Sand, red brown, medium to coarse grained with medium sized Gravel, wet at 14m 14.00m-16.00m Sand, fine to coarse grained, red brown with fine to coarse Gravel	982m	West
GW803835	0.00m-0.50m Loam, sandy, moist. 0.50m-1.20m Loam, Silt, moist 1.20m-3.20m Loam, Silty Clay, moist. 3.20m-5.30m Loam, fine Sandy Clay, moist	983m	West
GW803839	0.00m-0.50m Loam, sandy, moist 0.50m-1.20m Loam, Silt, moist 1.20m-3.20m Loam, Silty Clay, moist 3.20m-5.30m Loam, fine Sandy Clay, moist 5.30m-6.00m Loam, Sandy Clay, moist 6.00m-7.80m Sandy Clay, Silty, moist 7.80m-9.00m Loam, fine Sandy Clay, moist 9.00m-10.80m Loam, fine sandy Clay, Gravel present <15mm dia, moist 10.80m-12.00m Sandy Clay, Silty, moist 12.00m-12.90m Sand, moist 12.90m-16.50m Silty Clay, moist 16.50m-18.00m Sandy Clay, Gravel present <20mm dia, moist 18.00m-20.50m Silty Clay, Gravel <40mm dia, moist 20.50m-22.70m Loam, fine Sandy Clay, Gravel present <40mm dia, moist 22.70m-24.00m Loam, Sandy Clay, Gravel present <40mm dia, moist	984m	West

Groundwater No	Drillers Log	Distance	Direction
GW803836	0.00m-0.80m Sandy Clay, Gravelly, moist. 0.80m-3.00m Loam, fine Sandy Clay, moist 3.00m-3.50m Silty Clay, moist 3.50m-5.30m Loam, fine Sandy Clay, moist 5.30m-6.00m Sandy Clay, Silty, moist 6.00m-7.50m Sandy Clay, Gravelly, Silty, moist. 7.50m-10.80m Loam, fine Sandy Clay, moist. 10.80m-12.00m Sandy Clay, Silty, moist. 12.00m-12.90m Sand, slightly moist.	987m	West
GW802541	0.00m-0.10m Clay, dark reddish brown light medium 0.10m-0.50m Clay, reddish brown light medium 0.50m-1.50m Clay, greyish brown light medium 1.50m-1.90m Clay, greyish brown light medium, 10% basalt gravel 1.90m-2.00m Basalt	1055m	East
GW003363	0.00m-39.62m Clay Water Supply 39.62m-40.54m Sandstone 40.54m-43.89m Shale	1056m	South East
GW801220	0.00m-0.90m Gravelly Silty Clay, red brown, gravel to 30mm 0.90m-1.80m Silty Clay, light orange brown 1.80m-5.50m Clayey Sandy Gravel, orange brown, Quartz gravel to 20mm 5.50m-6.90m Siltstone/Mudstone, light yellow brown, some orange bands 6.90m-12.90m Sandstone/Siltstone, white, very fine grained 12.90m-14.10m Sandstone, white with orange bands, very fine grained 14.10m-16.20m Sandstone, white with occasional orange bands, very fine grained 16.20m-18.90m Sandstone, white with orange bands, very fine grained 18.90m-20.50m Sandstone, orange, white bands, very fine grained with some medium grains 20.50m-21.40m Sandstone, orange brown, fine to medium grained 21.40m-22.50m Sandstone, white with orange 22.50m-24.40m Shale, dark black grey	1057m	South
GW802534	0.00m-0.10m Sandy Clay, dark brown 0.10m-0.50m Clay, brown, medium heavy, trace of fine sand 0.50m-1.00m Clay, brown, medium heavy, red & grey mottles 1.00m-1.50m Clay, reddish brown, medium heavy, red & grey mottles 1.50m-2.00m Clay, grey, medium, yellow mottles 2.00m-2.50m Clay, grey, medium heavy, orange & yellow mottles 2.50m-3.00m Clay, grey, medium heavy, yellow mottles 3.00m-3.50m Clay, grey, medium, yellow mottles, trace fine sand 3.50m-4.00m Clay, reddish brown, light medium 4.00m-4.50m Silty Clay, red, trace of fine sand 4.50m-5.00m Silty Clay, red, yellow & grey mottles 5.00m-5.50m Clay, grey, medium, yellow & red mottles 5.50m-6.00m Clay, grey, medium heavy 6.00m-7.00m Clay, reddish brown, medium heavy 7.00m-8.00m Clay, reddish brown, medium 8.00m-9.00m Silty Clay, reddish brown, trace of fine sand 9.00m-10.00m Sandy Clay, reddish brown, trace of fine sand 10.00m-11.00m Sandy Clay, reddish brown 11.00m-12.00m Silty Clay, yellow, grey mottles	1112m	North East
GW802533	0.00m-0.10m Sandy Clay Loam, dark brown 0.10m-0.50m Sandy Clay, brown 0.50m-1.00m Clay, reddish brown, medium 1.00m-1.50m Sandy Clay, grey 1.50m-2.00m Sandy Clay, grey, with 10% basalt gravel 2.00m-2.50m Sandy Clay, grey, with 20% basalt gravel 2.50m-3.00m Basalt	1113m	North East
GW006832	0.00m-0.91m Loam 0.91m-13.72m Clay Sandy 13.72m-62.48m Sandstone 62.48m-66.75m Shale 66.75m-66.77m Sandstone Water Supply	1115m	South
GW801009	0.00m-1.00m Topsoil 1.00m-8.00m Clay 8.00m-9.00m Gravel, water bearing	1122m	North West
GW014667	0.00m-3.66m Clay Hard 3.66m-13.41m Clay 13.41m-16.15m Clay Gravel 16.15m-16.76m Gravel 16.76m-17.68m Clay Gravel 17.68m-20.73m Shale 20.73m-28.96m Shale Hard 28.96m-29.57m Shale	1131m	North
GW803591	0.00m-16.00m Silty Clay, orange brown 16.00m-19.00m Gravel	1136m	West

Groundwater No	Drillers Log	Distance	Direction
GW802564	0.00m-0.10m Sandy Loam, dark brown 0.10m-0.50m Clay, brown, light 0.50m-1.00m Sandy Clay, red, coarse, grey mottles 1.00m-1.50m Sandy Clay Loam, red, grey mottles 1.50m-2.00m Sandy Clay, red, grey mottles 2.00m-2.50m Sandy Clay, red, yellow mottles 2.50m-3.00m Sandy Clay, red 3.00m-3.50m Sandy Clay Loam, reddish brown, yellow mottles 3.50m-5.00m Sandy Clay Loam, reddish brown, grey mottles 5.00m-5.50m Sandy Clay, grey, orange mottles 5.50m-7.00m Sandy Clay, reddish brown, yellow mottles 7.00m-8.00m Clay, reddish brown, light medium, yellow & grey mottles 8.00m-11.00m Sandy Clay, reddish brown 11.00m-15.00m Sandy Clay, brown	1145m	South West
GW016383	0.00m-0.46m Topsoil 0.46m-8.53m Fireclay 8.53m-11.58m Gravel 11.58m-12.19m Sand Water Bearing 12.19m-13.72m Gravel Water Supply	1153m	North West
GW802563	0.00m-0.10m Loamy Sand, dark brown 0.10m-0.50m Clayey Sand, reddish brown 0.50m-1.00m Sandy Clay, red, yellow & grey mottles 1.00m-1.50m Sandy Clay Loam, red, yellow mottles 1.50m-2.00m Sandy Clay Loam, reddish brown, yellow mottles 2.00m-2.50m Sandy Clay Loam, reddish brown 2.50m-3.00m Sandy Clay Loam, reddish brown, red mottles 3.00m-3.50m Sandy Clay Loam, reddish brown 3.50m-4.50m Sandy Clay, red 4.50m-5.00m Sandy Clay, reddish brown 5.00m-5.50m Sandy Clay Loam, red, yellow mottles 5.50m-9.00m Sandy Clay Loam, yellowish brown, grey mottles	1154m	South West
GW802586	0.00m-1.00m Clayey Sand, reddish brown 1.00m-1.50m Clayey Sand, reddish brown, coarse 1.50m-2.00m Clayey Sand, reddish brown, coarse, <1% quartz 2.00m-2.50m Loam, sandy, reddish brown 2.50m-3.50m Sandy Clay Loam, red, coarse, light 3.50m-4.00m Loam, sand, red, wet 4.00m-4.50m Loam, sandy, reddish brown, wet 4.50m-5.00m Loam, sandy, reddish brown, moist 5.00m-8.00m Sandy Clay Loam, reddish brown, wet 8.00m-11.00m Sandy Clay Loam, yellowish brown, wet 11.00m-12.00m Sandy Clay Loam, yellowish brown, coarse, wet 12.00m-14.00m Loam, sandy, coarse, yellowish brown, wet 14.00m-17.00m Sandy Clay Loam, yellowish brown, coarse, light, moist 17.00m-18.00m Loam, sandy, coarse, light, wet, yellowish brown 18.00m-20.00m Loam, sandy, yellowish brown, wet 20.00m-22.00m Sandy Clay Loam, moist, yellowish brown 22.00m-23.00m Sandy Clay, yellowish brown, wet 23.00m-24.00m Sandy Clay, yellowish brown, moist 24.00m-25.00m Sandy Clay, reddish brown, wet 25.00m-26.00m Sandy Clay, reddish brown, moist 26.00m-27.00m Sandy Clay, yellowish brown, moist 27.00m-29.00m Sandy Clay, reddish brown, moist 29.00m-32.00m Clayey Sand, coarse, greyish brown, wet	1156m	South West
GW802595	0.00m-0.10m Loam, silty, brown 0.10m-0.50m Silty Clay Loam, reddish brown 0.50m-2.00m Silty Clay, reddish brown 2.00m-2.50m Silty Clay, reddish brown, 1% lime 2.50m-3.00m Silty Clay, reddish brown, trace of sand, 1% lime 3.00m-3.50m Clay, reddish brown, light medium, 1% lime 3.50m-4.00m Clay, reddish brown, light medium 4.00m-4.50m Sandy Clay, reddish brown, fine, moist 4.50m-5.00m Sandy Clay Loam, light reddish brown, wet 5.00m-6.00m Sandy Clay Loam, light reddish brown, trace sand 6.00m-10.00m Sandy Clay Loam, light reddish brown, fine 10.00m-11.00m Silty Clay, light reddish brown 11.00m-12.00m Silty Clay, yellowish brown 12.00m-13.00m Silty Clay, greyish brown, medium, trace fine sand 13.00m-14.00m Clay, greyish brown, medium, trace of fine sand 14.00m-15.00m Silty Clay Loam, greyish brown, 15% gravel 30mm	1158m	South West
GW030954	0.00m-0.90m Topsoil 0.90m-3.00m Clay Red Sandy 3.00m-7.60m Clay 7.60m-9.10m Clay Grey Shaley 9.10m-12.80m Shale Grey 12.80m-14.60m Basalt Weathered 14.60m-17.70m Basalt 17.70m-19.80m Clay Dark Brown Shaley 19.80m-20.40m Clay Dark Brown 20.40m-22.25m Sandstone Coarse Water Supply 22.25m-23.50m Sandstone Grey Fine 23.50m-26.80m Shale Black Soft 26.80m-34.10m Sandstone Fine Water Bearing 34.10m-39.90m Shale Black Soft 39.90m-63.00m Sandstone Grey Hard 39.90m-63.00m Shale Bands	1162m	North East



Groundwater No	Drillers Log	Distance	Direction
GW803669	0.00m-15.00m Silty Clay, orange/brown, moderate plasticity 15.00m-19.50m Gravel, alluvial, sub to well rounded, upto 100mm	1166m	South West
GW802580	0.00m-0.10m Sandy Clay Loam, brown 0.10m-1.00m Clay, brown, light medium 1.00m-1.50m Sandy Clay, brown 1.50m-2.50m Sandy Clay, yellowish brown 2.50m-3.00m Sandy Clay, greyish brown 3.00m-4.00m Sandy Clay, greyish brown, coarse 4.00m-4.50m Sandy Clay Loam, brown 4.50m-5.00m Sandy Clay Loam, yellowish brown 5.00m-6.00m Sandy Clay, yellowish brown, coarse 6.00m-7.00m Sandy Clay Loam, yellowish brown, coarse 7.00m-10.00m Sandy Clay, yellowish brown, coarse 10.00m-13.00m Sand, greyish brown 13.00m-14.00m Clayey sand, yellowish brown 14.00m-18.00m Sand, yellowish brown, coarse 18.00m-19.00m Gravel, fine, yellowish brown 19.00m-20.00m Gravel	1169m	West
GW008433	0.00m-26.21m Driller 26.21m-29.57m Basalt Hard 29.57m-30.18m Basalt Fractured 30.18m-31.39m Basalt Hard 31.39m-34.75m Basalt 34.75m-35.97m Basalt Fractured 35.97m-37.19m Basalt 37.19m-39.32m Clay Grey 39.32m-41.15m Shale Grey Sandy Water Supply 41.15m-44.20m Shale Water Supply 44.20m-45.72m Shale Dark Grey	1178m	North East
GW802538	0.00m-0.00m Clay Loam, dark brown, <10% quartz gravel 0.00m-0.10m Sandy Clay, dark brown, <2% quartz gravel 0.10m-0.50m Sandy Clay, dark brown, <10% sandstone gravel 0.50m-1.00m Sandy Clay, brown, coarse, medium 1.00m-1.50m Sandy Clay, brown, coarse, <10% sandstone gravel 1.50m-1.90m Sandy Clay, brown, coarse, <10% sandstone gravel 1.90m-2.00m Sandstone	1192m	North
GW803449	0.00m-0.50m Fill - Bitumen/Road Surface 0.50m-2.00m Silty Clay, dark red/brown, soft 2.00m-3.10m Silty Clay, as above, but slightly lighter colour 3.10m-7.00m Silty Clay, as above, but brown 7.00m-8.50m Silty Clay, as above, but light brown 8.50m-9.70m Hard layer, coffee rock, dry 9.70m-13.30m Silty Clay, brown with some orange, friable 13.30m-15.10m Silty Clay, uniform 15.10m-19.00m Gravel, as others in clayey sand	1192m	South West
GW803590	0.00m-14.00m Silty Clay, orange brown 14.00m-19.00m Gravel	1196m	West
GW014671	0.00m-9.14m Clay 9.14m-14.63m Clay Gravel 14.63m-18.29m Gravel Water Supply 18.29m-30.48m Shale	1197m	North West
GW803592	0.00m-14.00m Silty Clay, orange brown 14.00m-19.00m Gravel, alluvial	1206m	South West
GW803448	0.00m-0.05m Grass surface 0.05m-0.20m Topsoil, silty sand, dark brown, organic, damp 0.20m-6.00m Clayey Silt, brown, orange, uniform, dry 6.00m-7.00m Silty Clay, lighter orange/brown, slightly moist 7.00m-7.30m Silty Clay, as above with minor gravels 7.30m-11.30m Boulders/cobbles, possibly siltstone 11.30m-12.50m Silty Clay, brown, uniform, moist 12.50m-13.90m silt, sandy, brown/orange, minor small sand 13.90m-14.50m Gravel, silty clay 14.50m-16.00m Gravel, in coarse sand, wet 16.00m-19.00m Gravel, saturated	1208m	West
GW803447	0.00m-0.13m Fill - Concrete 0.13m-1.50m Silty Clay, red brown, friable, dry 1.50m-6.50m Silty Clay, as above, brown with some orange 6.50m-9.00m Hard layer -- possible coffee rock 9.00m-14.70m Silty Clay, brown with some orange 14.70m-16.00m Gravels & Clay, in silty clay 16.00m-19.00m Gravels & Clay, as above, moist	1211m	South West
GW804720	0.00m-3.00m Silty Clay, red brown 3.00m-8.00m Clayey Sand, red brown 8.00m-9.50m Sandy Clay, brown, alluvial gravels 9.50m-11.00m Gravel, Sandy, light brown, alluvial, rounded, hard pan, moist 11.00m-18.00m Sand, light brown, trace medium gravel, rounded, angular, trace silt, wet 18.00m-21.00m Gravel, Sandy, red brown, fine to coarse, angular, wet 21.00m-22.00m Silty Clay, yellow brown, wet 22.00m-24.00m Basalt, moderately weathered, grey	1217m	North West

Groundwater No	Drillers Log	Distance	Direction
GW802603	0.00m-0.10m Loam, dark reddish brown, 5% quartz to 30mm 0.10m-0.50m Loam, greyish brown, clay, 5% quartz to 30mm 0.50m-1.00m Clay, reddish brown, light 1.00m-1.50m Clay, greyish brown, light medium, 2% lime 1.50m-2.00m Clay, greyish brown, light medium, 10% lime 2.00m-2.50m Clay, reddish brown, light medium 2.50m-3.00m Clay, greyish brown, light medium 3.00m-3.50m Sandy Clay, reddish brown, 2% lime 3.50m-4.00m Sandy Clay, yellowish brown 4.00m-4.50m Sandy Clay, reddish brown 4.50m-5.00m Sandy Clay Loam, reddish brown, light 5.00m-5.50m Silty Clay, greyish brown 5.50m-6.00m Silty Clay, reddish brown, trace of fine sand 6.00m-7.00m Silty Clay, reddish brown, 5% lime 7.00m-8.00m Sandy Clay, grey 8.00m-9.00m Silty Clay, yellowish brown, trace of fine sand 9.00m-10.00m Sandy Clay, yellowish brown, fine 10.00m-12.00m Silty Clay, yellowish brown, trace of fine sand 12.00m-14.00m Sandy Clay Loam, yellowish brown 14.00m-15.00m Clayey Sand, yellowish brown	1225m	West
GW802562	0.00m-0.10m Sandy Clay Loam, dark reddish brown 0.10m-3.00m Sandy Clay, brown 3.00m-4.00m Sandy Clay, brown, grey mottles 4.00m-4.50m Clay, brown, light medium, yellow mottles 4.50m-5.00m Clay, brown, light medium, grey mottles 5.00m-5.50m Clay, brown, light medium, yellow mottles 5.50m-7.00m Sandy Clay, brown 7.00m-8.90m Sandy Clay, brown, brown mottles 8.90m-9.00m Rock	1238m	South
GW803446	0.00m-1.30m Fill - bitumen/road surface, clayey silt, brown 1.30m-2.00m Fill, as above, with red/brown 2.00m-6.50m Silty Clay, brown with some orange, very hard 6.50m-10.80m Hard layer - possible coffee rock, with some clays 10.80m-13.60m Clayey Sand, brown with some orange, medium 13.60m-19.00m Gravel & Clayey Sand, as others, wet	1241m	West
GW803444	0.00m-0.10m Fill Sand, grey brown, coarse, moist 0.10m-6.30m Silty Clay, red/brown 6.30m-7.20m Hard layer, gravel, cobbles, siltstone, coffee rock 7.20m-10.80m Silty Clay, brown with some orange, very silty 10.80m-13.90m Sand, brown/orange, medium, soft 13.90m-14.30m Sand, as above but with coarse grey sand 14.30m-16.00m Gravel, in clay, up to 120mm in sandy clay 16.00m-19.00m Gravel, possibly sheen, very wet	1242m	South West
GW803670	0.00m-15.00m Silty Clay, orange/brown, moderate plasticity 15.00m-19.00m Gravel, alluvial, sub to well rounded, upto 100mm.	1242m	South West
GW803671	0.00m-15.00m Silty Clay, orange/brown, moderate plasticity 15.00m-22.50m Gravel, alluvial, sub to well rounded, upto 100mm	1245m	South West
GW025021	0.00m-0.61m Topsoil 0.61m-11.28m Clay Silty 11.28m-12.80m Silt Clay 12.80m-13.11m Clay Dark Grey Gravel 13.11m-14.33m Sand Grey Gravel Coarse 14.33m-15.54m Clay Dark Grey Silty 15.54m-16.46m Gravel Sand Fine 16.46m-17.37m Clay Green Grey 17.37m-18.29m Sand Grey Gravel 18.29m-18.59m Gravel Sand Coarse 18.59m-19.81m Clay Grey 19.81m-21.03m Sand Grey Fine 21.03m-21.64m Sand Grey Fine 21.03m-21.64m Gravel Very Coarse 21.64m-23.77m Clay Yellow Waddy 23.77m-25.91m Clay Dark Grey Silty 25.91m-26.21m Sand Grey Very Coarse Water Supply 25.91m-26.21m Gravel Fine Water Supply 26.21m-27.43m Gravel Dark Grey Sandy Silty Clayey Water Supply 27.43m-34.14m Sand Gravel Water Supply 27.43m-34.14m Clean Water Supply 34.14m-34.44m Silt Cream Clay Water Supply 34.44m-35.66m Clay Cream Gravel Water Supply 35.66m-38.40m Sand Gravel Water Supply 38.40m-39.62m Clay Grey Gravel 39.62m-40.23m Clay Grey Sandy 40.23m-42.37m Clay Grey	1264m	West
GW803595	0.00m-15.00m Silty Clay, orange brown 15.00m-19.00m Gravel, alluvial	1267m	West

Groundwater No	Drillers Log	Distance	Direction
GW802532	0.00m-0.10m Clay, brown, light, 2% quartz to 20mm 0.10m-1.00m Clay, brown, light medium, yellow mottles 1.00m-1.50m Clay, brown, light medium, orange mottles 1.50m-2.50m Clay, brown, light medium, grey mottles 2.50m-3.00m Clay, brown, light medium, light grey mottles 3.00m-3.50m Clay, brown, medium, light grey mottles 3.50m-4.50m Clay, brown, light medium, light grey mottles 4.50m-5.00m Clay, brown, light medium 5.00m-6.00m Clay, brown, light medium, light grey mottles 6.00m-7.00m Clay, brown, light medium 7.00m-8.00m Clay, brown, light medium, yellow mottles 8.00m-9.00m Clay, brown, light medium, orange mottles 9.00m-10.00m Clay, brown, medium, <5% sandstone gravels 10.00m-11.00m Clay, brown, medium, trace of fine sand 11.00m-12.00m Clayey Sand, orange with 30% gravels to 50mm	1269m	North
GW803445	0.00m-0.10m Fill - Bitumen 0.10m-2.00m Silty clay, brown with some red, friable 2.00m-3.80m Silty Clay, as above, but less red 3.80m-14.00m Silty Clay, as above but very hard with some orange 14.00m-19.00m Gravel, in grey & blue sand, medium, wet	1269m	West
GW803443	0.00m-0.20m Fill 0.20m-6.50m Silty Clay, red/brown, increased silt & clay content 6.50m-7.40m Hard Layer - possibly coffee rock 7.40m-11.50m Silty Clay, brown with grey mottling 11.50m-14.30m Clayey Sand, brown grey, medium 14.30m-16.00m Gravel, brown/orange in silty clay 16.00m-19.00m Gravel, as above, wet, saturated.	1272m	South West
GW096148	0.00m-10.00m Loam 10.00m-12.00m Sandy Clay, brown 12.00m-13.50m Sand 13.50m-16.80m Sandy Clay, grey 16.80m-17.10m Gravel, big 17.10m-19.10m Sandy Clay, grey 19.10m-20.60m Sand & Gravel 20.60m-22.50m Clay, hard, sticky 22.50m-26.00m Sandy Clay, grey 26.00m-38.00m Sand & Gravel 38.00m-40.00m Sand, fine 40.00m-45.00m Sandy Clay (grey Silt)	1277m	West
GW019975	0.00m-2.74m Clay Red Yellow 2.74m-5.18m Basalt 5.18m-23.47m Pipe Clay White 23.47m-24.99m Sandstone Yellow 24.99m-26.52m Gravel Ridge 26.52m-28.35m Sandstone 28.35m-37.49m Shale Dark Water Bearing 37.49m-41.15m Shale Light 41.15m-47.24m Shale Grey 47.24m-53.34m Shale Sandy 53.34m-54.86m Shale Grey 54.86m-57.91m Shale Sandy 57.91m-67.06m Shale Light 67.06m-70.10m Shale Grey 70.10m-74.98m Shale Dark 74.98m-81.08m Shale Sandy 81.08m-84.12m Sandstone White 84.12m-87.17m Shale Light Water Supply	1282m	South East
GW802553	0.00m-0.10m Sandy Clay Loam, dark reddish brown 0.10m-1.00m Clay, reddish brown, light medium 1.00m-1.50m Clay, reddish brown, light medium, yellow mottles 1.50m-2.00m Clay, brown medium, 2% basalt gravel to 10mm 2.00m-2.50m Sandy Clay, brown, 5% basalt gravel to 10mm 2.50m-3.00m Clay, light reddish brown, light medium, 5% gravel 3.00m-3.50m Clay, brown, medium, 2% gravels to 5mm 3.50m-4.00m Clay, brown, medium, 2% gravels to 5mm, yellow mottles 4.00m-4.50m Clay, brown, medium, 2% gravels to 5mm 4.50m-5.00m Clay, brown, light medium, red & yellow mottles 5.00m-5.50m Sandy Clay, brown, 2% basalt gravel to 10mm 5.50m-5.90m Sandy Clay, red, 2% basalt gravel to 10mm 5.90m-6.00m Weathered Basalt	1292m	South East
GW803442	0.00m-0.15m Concrete 0.15m-2.10m Silty Clay, red/brown, dry 2.10m-5.80m Silty Clay, as above but increased clay content 5.80m-6.70m Hard Layer - possibly coffee rock 6.70m-10.00m Silty Clay, light brown, grey, dry 10.00m-13.80m Silty Clay, as above but more grey 13.80m-19.00m Gravel, up to 100mm, saturated	1301m	South West
GW803593	0.00m-14.00m Silty Clay, orange brown 14.00m-19.00m Gravel, alluvial	1315m	South West
GW803594	0.00m-14.00m Silty Clay, orange brown 14.00m-19.00m Gravel, alluvial	1329m	West



Groundwater No	Drillers Log	Distance	Direction
GW803755	0.00m-14.50m Silty Clay, orange/brown, moderate plasticity 14.50m-23.00m Gravel, alluvial gravels, sub to well rounded, up to 100mm, in Silty Clay matrix	1348m	South West
GW802576	0.00m-0.10m Clay Loam, dark reddish brown 0.10m-0.50m Sandy Clay, brown, 10% sandstone gravel to 5mm 0.50m-1.00m Clay, brown, medium, yellow & grey mottles 1.00m-1.50m Clay, yellowish brown, light medium 1.50m-2.00m Clay, brown, light medium, yellow mottles 2.00m-2.50m Clay, reddish brown, light medium 2.50m-3.00m Sandy Clay, reddish brown, 5% sandstone gravel 3.00m-4.50m Sandy Clay Loam, reddish brown, sandstone gravel 4.50m-5.00m Sandy Clay, grey 5.00m-5.50m Sandy Clay, greyish brown 5.50m-6.00m Sandy Clay, brown, yellow sandstone gravel to 10mm 6.00m-7.00m Clay, yellow, lightmedium 7.00m-10.00m Clay, yellowish brown, light medium 10.00m-12.00m Clay, light grey, light medium	1366m	East
GW802537	0.00m-0.10m Clay, dark greyish brown, light medium 0.10m-2.00m Silty Clay, dark brown 2.00m-7.00m Silty Clay, brown	1367m	North West
GW803751	0.00m-2.00m Silty Clay, non plasticity, light orange to light brown, very silty, fine grain, damp 2.00m-3.00m Clay, medium plasticity, brown-orange, fine to medium grained, dry. 3.00m-4.00m Clay, as above, but now a higher plasticity 4.00m-6.00m Clay, medium to high plasticity, orange brown, medium grained, damp. 6.00m-8.00m Sandy Clay, medium plasticity, light brown & orange, fine to medium grain, dry & with some gravel up to 20mm 8.00m-9.00m Clay, medium to high plasticity, light brown, small grained, dry. 9.00m-10.00m Clay, as above, but now with some gravel up to 20mm in size 10.00m-13.00m Clay, Gravelly, alluvial gravels mixed in with clay, medium plasticity, orange, sub to well rounded, up to 50mm 13.00m-22.00m Gravel, alluvial gravels, well rounded, up to 100mm, in brown orange clay	1370m	South West
GW803672	0.00m-16.00m Silty Clay, orange/brown, moderate plasticity 16.00m-20.50m Gravel, alluvial, sub to well rounded, upto 100mm	1378m	South West
GW803673	0.00m-16.00m Silty Clay, orange/brown, moderate plasticity 16.00m-22.20m Gravel, alluvial, sub to well rounded, upto 100mm	1380m	South West
GW803756	0.00m-3.00m Silty Clay; low plasticity, brown & black, very silty, small grained, dry 3.00m-4.00m CLAY; medium plasticity, brown-orange, medium grained, dry 4.00m-5.00m Clay; as above, but an increase in plasticity & medium to large grained 5.00m-7.00m Clay; as above, but now a darker brown orange 7.00m-8.00m Sandy Clay; medium plasticity, light brown & orange, small grained, dry 8.00m-10.00m Clay; medium to high plasticity, light brown, small grained, dry 10.00m-11.00m Clay; as above, but now with some gravels up to 20mm in size 11.00m-12.00m Clay, Gravelly; alluvial gravels mixed in clay, medium plasticity, orange, sub to well rounded, up to 50mm 12.00m-15.00m Gravel; alluvial gravels, sub to well rounded, up to 100mm, in brown orange clay 15.00m-19.00m Clay, Gravelly; alluvial gravels mixed in clay, medium to high plasticity, orange, well rounded, ~ 50 to 100mm in size 19.00m-21.00m Gravel; alluvial gravels, well rounded, up to 100mm, in brown orange clay 21.00m-21.50m Gravel; as above, but now low to medium plasticity	1393m	West
GW802628	0.00m-0.10m Clay Loam, dark reddish brown 0.10m-0.50m Silty Clay, brown 0.50m-1.00m Silty Clay, medium, dark reddish brown, 5% lime 1.00m-1.50m Silty Clay, medium, reddish brown, 5% lime 1.50m-2.00m Silty Clay, medium, reddish brown, 10% lime 2.00m-2.50m Silty Clay, yellowish brown 2.50m-3.00m Silty Clay, pale yellow 3.00m-3.50m Silty Clay, light grey, trace of fine sand 3.50m-4.50m Sandy Clay, light grey 4.50m-4.90m Sandy Clay, pinkish grey 4.90m-5.00m Rock	1417m	North East
GW802550	0.00m-0.10m Clay Loam, dark reddish brown, quartz gravel 0.10m-0.50m Clay, dark reddish brown, trace of fine sand 0.50m-1.00m Sandy Clay Loam, dark reddish brown, quartz gravel 1.00m-1.50m Clay, reddish brown, light medium 1.50m-2.00m Clay, reddish brown, light medium, yellow mottles 2.00m-2.50m Sandy Clay, brown, yellow & red mottles, sandstone 2.50m-2.90m Sandy Clay, orange & yellow mottles, sandstone gravel 2.90m-3.00m Sandstone	1419m	East
GW803750	0.00m-2.00m Silty Clay, non plasticity, light orange to light brown, very silty, fine grained, damp 2.00m-3.00m Clay, medium plasticity, brown-orange, fine to medium grained, dry. 3.00m-4.00m Clay, as above, but now a higher plasticity 4.00m-7.00m Clay, medium to high plasticity, orange brown, medium grained, damp. 7.00m-8.00m Sandy Clay, medium plasticity, light brown & orange, fine to medium grain, dry & with some gravel up to 20mm 8.00m-9.00m Clay, medium to high plasticity, light brown, small grained, dry. 9.00m-10.00m Clay, as above, but now with some gravels up to 20mm in size 10.00m-13.00m Clay, Gravelly, alluvial gravels mixed in with clay, medium plasticity, orange, sub to well rounded, up to 50mm 13.00m-22.00m Gravel, alluvial gravels, well rounded, up to 100mm, in brown orange clay	1425m	South West

Groundwater No	Drillers Log	Distance	Direction
GW803749	0.00m-2.00m Silty Clay, non plasticity, light orange to light brown, very silty, fine grained, damp. 2.00m-3.00m Clay, medium plasticity, brown-orange, fine to medium grain, dry 3.00m-4.00m Clay, as above, but a darker orange to a darker brown, medium grain, low plasticity & damp. Also some river gravel pres 4.00m-7.00m Clay, medium to high plasticity, orange brown, medium grain, damp. 7.00m-8.00m Sandy Clay, medium plasticity, light brown & orange, fine to medium grained, dry 8.00m-9.00m Clay, medium to high palsticity, light brown, small grained, dry. 9.00m-10.00m Clay, as above, but now with some gravels up to 20mm in size 10.00m-13.00m Clay, Gravelly, alluvial gravels mixed in with clay, medium plasticity, orange, sub to well rounded, up to 50mm 13.00m-22.00m Gravel, alluvial gravels, well rounded, up to 100mm, in brown orange clay. Wet at 16m.	1438m	South West
GW008430	0.00m-9.75m Water Supply 9.75m-13.72m Silt Clay 13.72m-14.63m Clay 14.63m-15.24m Sand Coarse Water Supply 15.24m-15.85m Sandstone Broken Bands 15.85m-19.20m Shale Sandy Traces Coal 19.20m-23.77m Shale Sandy 23.77m-28.65m Sandstone Water Supply 28.65m-29.87m Clay Dark Grey	1444m	North
GW802588	0.00m-1.50m (Unknown), no sample 1.50m-2.00m Sandy Clay, red 2.00m-2.50m Sandy Clay, greyish brown 2.50m-3.00m Sandy Clay, red 3.00m-3.50m Silty Clay, reddish brown, trace of fine sand 3.50m-4.50m Clay, reddish brown, medium 4.50m-5.00m Silty Clay, brown 5.00m-6.00m Silty Clay, brown, trace of fine sand	1455m	South West
GW803748	0.00m-1.00m Sandy Clay, low to non plasticity, orange to light brown, low density, small grained, dry 1.00m-6.00m Clay, low plasticity, brown, low density, small grained, dry 6.00m-7.00m Sandy Clay, low to non plasticity, orange to light brown, low density, small grained, dry. 7.00m-9.00m Sandy Clay, as above, but now medium to high plasticity 9.00m-12.00m Clay, high plasticity, light brown, medium density, small to medium grain, dry 12.00m-14.00m Clay, Gravelly, alluvial gravels mixed in with clay, sub to well rounded, up to 20mm 14.00m-18.00m Gravel, alluvial gravels, medium density, dry, high plasticity, well rounded, up to 40mm, in dark brown clay, moist. 18.00m-22.00m Gravelly, as above, but now a higher density	1457m	South West
GW803747	0.00m-1.00m Silty Clay, non plasticity, brown, low density, small to medium grained, dry. 1.00m-3.00m Clay, non to low plasticity, brown-orange, medium grain, damp 3.00m-5.00m Clay, as above, but an increase in plasticity, medium to large grain & dry 5.00m-7.00m Clay, as above, but now a darker brown orange 7.00m-8.00m Sandy Clay, medium plasticity, light brown & orange, small grain, dry. 8.00m-9.00m Clay, medium to high plasticity, light brown, small grain, dry. 9.00m-10.00m Clay, Gravelly, alluvial gravel mixed in clay, dark brown, medium to high plasticity, medium density, damp, sub to well 10.00m-11.00m Clay, Gravelly, as above, but now orange brown, high plasticity, high density, dry. 11.00m-15.00m Gravel, alluvial, sub to well rounded, up to 100mm, in brown orange clay 15.00m-19.00m Clay, Gravelly, alluvial gravel mixed in clay, medium to high plasticity, orange, well rounded, ~ 50 - 100mm in size, da 19.00m-21.00m Gravel, alluvial gravel, well rounded, up to 100mm, in brown orange clay 21.00m-22.00m Gravel, as above, but now low to medium plasticity	1460m	South West
GW802589	0.00m-0.10m Loam, sandy, dark brown, 5% quartz to 10mm 0.10m-0.50m Clay, dark brown, light, 5% quartz to 20mm 0.50m-1.00m Sandy Clay, greyish brown, 40% red mottles 1.00m-1.50m Sandy Clay, greyish brown, 20% orange mottles 1.50m-3.00m (Unknown), no sample 3.00m-3.50m Sandy Clay, red, 10% grey mottles 3.50m-4.50m Sandy Clay, red, 2% grey mottles 4.50m-5.00m Sandy Clay, red 5.00m-5.50m Clay, reddish brown, medium 5.50m-6.00m Clay, reddish brown, medium heavy, 10% grey mottles 6.00m-7.00m Clay, brown, medium 7.00m-9.00m Sandy Clay, reddish brown, 10% grey mottles 9.00m-10.00m Clay, brown, light medium, 10% grey mottles 10.00m-11.00m Clay, brown, light meidum, trace of fine sand 11.00m-12.00m Clay, brown, light, 30% grey mottles	1463m	South West
GW003682	0.00m-4.88m Clay Sand 4.88m-7.32m Sand Loose 7.32m-16.46m Clay Sand 16.46m-20.73m Sand Drift 20.73m-43.89m Sand Loose 43.89m-46.94m Clay Sand 46.94m-47.55m Sand Gravel	1471m	South

Groundwater No	Drillers Log	Distance	Direction
GW802571	0.00m-0.10m Loam, dark brown, sandy 0.10m-0.50m Loam, dark reddish brown, sandy 0.50m-1.00m Sandy Clay Loam, brown 1.00m-1.50m Sandy Clay Loam, greyish brown 1.50m-2.00m Sandy Clay, reddish brown, 40% yellow mottles 2.00m-2.50m Sandy Clay, red, 40% yellow mottles 2.50m-3.00m Sandy Clay, red, 20% yellow & 20% grey mottles 3.00m-3.50m Sandy Clay, light reddish brown, grey, red & yellow 3.50m-4.00m sandy Clay, grey, yellow & orange mottles 4.00m-4.50m Sandy Clay, grey, red & yellow mottles 4.50m-5.00m Sandy Clay, grey, yellow mottles 5.00m-6.00m Sandy Clay, grey 6.00m-7.00m Sandy Clay, yellowish brown, medium, 10% gravel 7.00m-8.00m Clay, yellowish brown, medium heavy, 10% gravel 8.00m-9.00m Clay, grey, medium heavy, 10% yellowmottles	1473m	South
GW803746	0.00m-1.00m Silty Clay, non plasticity, brown, low density, small to medium grained, dry. 1.00m-3.00m Clay, non to low plasticity, brown-orange, medium grained, damp. 3.00m-5.00m Clay, as above, but an increase in plasticity, medium to large grained & dry. 5.00m-7.00m Clay, as above, but now a darker brown orange 7.00m-8.00m Sandy Clay, medium plasticity, light brown & orange, small grained, dry. 8.00m-9.00m Clay, medium to high plasticity, light brown, small grained, dry. 9.00m-10.00m Clay, Gravelly, alluvial gravels mixed in clay, dark brown, medium to high plasticity, medium density damp, sub to well 10.00m-11.00m Clay, Gravelly, as above, but now orange brown, high plasticity, high density, dry. 11.00m-15.00m Gravel, alluvial gravel, sub to well rounded, up to 100mm, in brown orange clay 15.00m-19.00m Clay, Gravelly, alluvial gravel mixed in clay, medium to high plasticity, orange, well rounded, around 50 - 100mm, damp 19.00m-21.00m Gravel, alluvial, well rounded, up to 100mm, in brown orange clay 21.00m-22.00m Gravel, as above, but now low to medium plasticity	1483m	South West
GW803674	0.00m-15.00m Silty Clay, orange/brown, moderate plasticity 15.00m-18.80m Gravel, alluvial, sub to well rounded, upto 100mm	1484m	South West
GW803675	0.00m-15.00m Silty Clay, orange/brown, moderate plasticity 15.00m-22.80m Gravel, alluvial, sub to well rounded, upto 100mm	1487m	South West
GW803754	0.00m-1.50m Clay; non to low plasticity, orange brown, low density, small grain, dry 1.50m-3.00m Clay; as above, but now small to medium grain & non plasticity 3.00m-6.00m Clay; as above, but now an increase in plasticity 6.00m-7.50m Clay; non to low plasticity, orange brown, low density, medium grained, very dry 7.50m-9.00m Clay; as above, but now low plasticity 9.00m-12.00m Clay; as above, but now medium density 12.00m-13.50m Clay; as above, but now medium plasticity 13.50m-15.00m Clay, Gravelly; alluvial gravels mixed in clay, medium plasticity, medium density, orange brown, sub to well rounded, up 15.00m-16.00m Gravel, alluvial, medium density, moist, high plasticity, well rounded, up to 40mm, in dark brown clay 16.00m-19.00m Gravel; as above, but now a higher density & wet. 19.00m-22.00m Gravel; as above, but now high plasticity	1505m	South West
GW053473	0.00m-0.30m Topsoil 0.30m-8.10m Clay 8.10m-11.60m Sand Dry Gravel 11.60m-17.00m Sand Gravel Water Supply 17.00m-19.50m Clay Grey	1509m	West
GW803753	0.00m-1.50m Clay; non to low plasticity, orange brown, low density, small grained, damp 1.50m-3.00m Clay; as above, but now medium plasticity & low to medium density 3.00m-6.00m Clay; as above, but now medium to high plasticity & medium density 6.00m-7.50m Clay; high plasticity, orange brown, low density, medium grained, very dry & encountered a hard clay band mixed with gra 7.50m-10.50m Clay, Gravelly; alluvial gravel mixed in clay, medium plasticity, medium density, orange brown sub to well rounded, up 10.50m-12.00m Gravel; alluvial gravel, medium density, moist, high plasticity, well rounded, up to 40mm, in dark brown clay 12.00m-13.00m Gravel; as above, but now medium plasticity 13.00m-15.00m Clay, Gravelly; alluvial gravels mixed in clay, medium plasticity, medium density, orange brown, sub to well rounded, up 15.00m-16.00m Gravel; alluvial gravel, medium density, moist, high plasticity, well rounded, up to 40mm, in dark brown clay 16.00m-19.00m Gravel; as above, but now a higher density & wet. 19.00m-22.00m Gravel; as above, but now high plasticity	1509m	South West
GW800988	0.00m-2.00m Fill 2.00m-2.50m Topsoil 2.50m-8.00m Clay 8.00m-11.00m Sand 11.00m-17.00m Sand, and gravel 17.00m-19.00m Clay, grey 19.00m-32.00m Gravel, and sand 32.00m-35.00m Clay, grey	1510m	West
GW802551	0.00m-0.10m Clay Loam, dark reddish brown 0.10m-0.50m Clay, reddish brown, light 0.50m-1.00m Clay, reddish brown, light medium 1.00m-1.50m Sandy Clay, greyish brown, 20% gravel to 10mm 1.50m-1.90m Sandy Clay, greyish brown, 50% gravel to 10mm 1.90m-2.00m Rock	1516m	South East



Groundwater No	Drillers Log	Distance	Direction
GW803752	0.00m-1.50m Clay; non to low plasticity, orange brown, low density, small grained, damp 1.50m-3.00m Clay; as above, but now medium plasticity & low to medium density 3.00m-6.00m Clay; as above, but now medium to high plasticity & medium density 6.00m-7.50m Clay; non to low plasticity, orange brown, low density, medium grained, very dry. 7.50m-9.00m Clay; as above, but now low plasticity 9.00m-12.00m Clay; as above, but now medium density 12.00m-13.50m Clay; as above, but now medium plasticity 13.50m-15.00m Clay, Gravelly; alluvial gravels mixed in with clay, medium plasticity, medium density, orange brown, sub to well rounde 15.00m-16.00m Gravel; alluvial gravels, medium density, moist, high plasticity, well rounded, up to 40mm, in dark brown clay 16.00m-19.00m Gravel; as above, but now a higher density & wet. 19.00m-22.00m Gravel; as above, but now high plasticity	1518m	South West
GW803745	0.00m-1.00m Silty Clay, non plasticity, brown, low density, small to medium grain, dry 1.00m-3.00m Clay, non to low plasticity, brown-orange, medium grain, damp 3.00m-5.00m Clay, as above, but an increase in plasticity, medium to large grain, dry 5.00m-7.00m Clay, as above, but now a darker brown orange 7.00m-8.00m Sandy Clay, medium plasticity, light brown & orange, small grain, dry 8.00m-9.00m Clay, medium to high plasticity, light brown, small grain, dry 9.00m-10.00m Clay, Gravelly, alluvial gravels mixed in clay, dark brown, medium to high plasticity, medium density, damp, sub to well 10.00m-11.00m Clay, Gravelly, as above, but now orange brown, high plasticity, high density, dry 11.00m-15.00m Gravel, alluvial, sub to well rounded, up to 100mm, in brown orange clay 15.00m-19.00m Clay, Gravelly, alluvial gravels mixed in clay, medium to high plasticity, orange, well rounded, ~ 50-100mm in size, dam 19.00m-21.00m Gravel, alluvial, well rounded up to 100mm, in brown orange clay 21.00m-22.00m Gravel, as above, but now low to medium plasticity	1533m	South West
GW000431	0.00m-7.62m Sand Red Clay 7.62m-15.24m Clay Yellow Sand 15.24m-23.77m Clay Light Brown 23.77m-26.52m Clay Yellow 26.52m-30.48m Sand Clay 30.48m-37.19m Sand 37.19m-69.80m Sand Gravel 69.80m-71.63m Clay Grey 71.63m-73.76m Clay 73.76m-76.20m Clay Hard Bands 76.20m-78.64m Clay Grey Water Supply 78.64m-87.33m Sandstone 87.33m-99.06m Sandstone Shale 99.06m-108.81m Sandstone 108.81m-109.73m Sandstone Clay	1536m	South
GW802555	0.00m-0.10m Sandy Loam, dark reddish brown, 5% gravel 10mm 0.10m-0.50m Sandy Clay Loam, reddish brown, 5% gravel 10mm 0.50m-1.50m Sandy Clay Loam, reddish brown 1.50m-2.00m Sandy Clay, reddish brown, 5% yellow mottles 2.00m-2.50m Sandy Clay, reddish brown, 20% grey mottles 2.50m-3.00m Sandy Clay, reddish brown, yellow & orange mottles 3.00m-3.50m Sandy Clay, brown, 10% yellow mottles 3.50m-4.00m Sandy Clay, reddish brown 4.00m-4.50m Sandy Clay, red, 10% grey mottles 4.50m-8.00m Sandy Clay, reddish brown 8.00m-9.00m Clay, reddish brown, light, 10% yellow mottles	1542m	South West
GW803744	0.00m-1.00m Silty Clay, non plasticity, brown, low density, small to medium grained, dry 1.00m-3.00m Clay, non to low plasticity, brown-orange, medium grained, damp 3.00m-5.00m Clay, as above, but an increase in plasticity, medium to large grained & dry 5.00m-7.00m Clay, as above, but now a darker brown orange 7.00m-8.00m Sandy Clay, medium plasticity, light brown & orange, small grained, dry. 8.00m-9.00m Clay, medium to high plasticity, light brown, small grained, dry. 9.00m-10.00m Clay, Gravelly, alluvial gravel mixed in clay, dark brown, medium to high plasticity, medium density, damp, sub to well 10.00m-11.00m Clay, Gravelly, as above, but now orange brown, high plasticity, high density, dry. 11.00m-15.00m Gravel, alluvial, sub to well rounded, up to 100mm, in brown orange clay 15.00m-19.00m Clay, Gravelly, alluvial gravels in clay, medium to high plasticity, orange, well rounded, ~ 50-100mm in size, damp 19.00m-21.00m Gravel, alluvial, well rounded, up to 100mm, in brown orange clay 21.00m-22.00m Gravel, as above, but no low to medium plasticity	1545m	South West
GW802760	0.00m-1.00m Topsoil 1.00m-7.50m Clay 7.50m-9.00m Sandy Clay 9.00m-13.50m Cemented Gravel & Sand (WBZ) 13.50m-17.50m Gravel & Clay 17.50m-23.00m Sand, good & Gravel (WBZ) 23.00m-24.50m Clay, black 24.50m-27.00m Sandy Clay, black 27.00m-32.00m Sand, good & Gravel (WBZ) 32.00m-33.00m Clay	1550m	North West

Groundwater No	Drillers Log	Distance	Direction
GW803743	0.00m-1.00m Silty clay, non plasticity, brown, low density, small to medium grain, dry. 1.00m-3.00m Clay, non to low plasticity, brown-orange, medium grain, damp 3.00m-5.00m Clay, as above, but an increase in plasticity, medium to large grain & dry 5.00m-7.00m Clay, as above, but now a darker brown orange 7.00m-8.00m Sandy Clay, medium plasticity, light brown & orange, small grain, dry. 8.00m-9.00m Clay, medium to high plasticity, light brown, small grain, dry 9.00m-10.00m Clay, Gravelly, alluvial gravels mixed in with clay, dark brown, medium to high plasticity, medium density, damp 10.00m-11.00m Clay, Gravelly, as above, but now orange brown, high plasticity, high density, dry 11.00m-15.00m Gravel, alluvial, sub to well rounded, upto 100mm, in brown orange clay 15.00m-19.00m Clay, Gravel, alluvial gravels mixed in clay, medium to high plasticity, orange, well rounded ~50-100mm size, damp 19.00m-21.00m Gravel, alluvial, well rounded, upto 100mm, in brown orange clay 21.00m-22.00m Gravel, as above, but now low to medium plasticity	1556m	South West
GW802585	0.00m-0.10m Loam, sandy, dark brown 10% quartz to 15mm 0.10m-0.50m Loam, sandy, brown, 2% quartz gravel to 10mm 0.50m-1.00m Loam, sandy, brown 1.00m-1.50m Loam, sandy, reddish brown 1.50m-2.00m Sandy Clay Loam, red 2.00m-3.00m Sandy Clay, red	1557m	South
GW803677	0.00m-15.00m Silty Clay, orange/brown, moderate plasticity 15.00m-23.00m Gravel, alluvial, sub to well rounded, upto 100mm	1570m	South West
GW800320	0.00m-1.00m Top Soil 1.00m-8.00m Clay 8.00m-30.00m Shale 30.00m-38.00m Sandstone 38.00m-44.00m Shale	1607m	South East
GW047000	0.00m-1.00m Topsoil 1.00m-12.00m Clay 12.00m-16.00m Sand Gravel 16.00m-17.20m Gravel Water Supply	1612m	North
GW800033	0.00m-1.00m TOPSOIL 1.00m-4.00m YELLOW BROWN CLAY 4.00m-7.00m WEATHERED BASALT 7.00m-23.00m BASALT 23.00m-30.00m LIGHT BROWN MUDSTONE 30.00m-42.00m SANDSTONE 42.00m-44.50m LIGHT BLACK MUDSTONE	1619m	North East
GW802590	0.00m-0.10m Loam, sandy, dark brown, fine 0.10m-0.50m Loam, sandy, light reddish brown, 10% quartz 0.50m-2.50m Sandy Clay Loam, light reddish brown, 20% quartz 2.50m-3.50m Clay, reddish brown, medium, 10% quartz to 20mm 3.50m-4.00m Sandy Clay Loam, greyish brown, 10% quartz to 20mm 4.00m-5.00m Sandy Clay Loam, reddish brown, 10% quartz to 20mm 5.00m-5.50m Sandy Clay Loam, greyish brown, 10% quartz to 20mm 5.50m-6.00m Sandy Clay Loam, greyish brown 6.00m-8.00m Loam, sand, greyish brown, fine 8.00m-10.00m Clayey sand, yellowish brown 10.00m-12.00m Sand, yellow 12.00m-13.00m Sand, yellow, 20% fine gravel to 5mm 13.00m-14.00m Sand, yellow, 50% fine gravel to 10mm 14.00m-15.00m Gravel, to 15mm 15.00m-17.00m Sand, yellow, 95% fine gravel to 20mm 17.00m-18.00m Sand, yellow, 50% fine gravel to 20mm 18.00m-19.00m Sand, yellow, 80% fine gravel to 20mm 19.00m-20.00m Sandy Clay Loam, yellowish brown, 20% quartz 20.00m-21.00m Sandy Clay Loam, reddish brown, 20% quartz to 20mm 21.00m-22.00m Sandy Clay Loam, yellowish brown, 5% quartz to 10mm	1646m	South West
GW034236	0.00m-0.30m Topsoil 0.30m-0.91m Clay 0.91m-11.28m Clay Red Sandy 11.28m-17.98m Clay Yellow Sandy 17.98m-24.08m Gravel Sand Clay 24.08m-26.21m Clay Yellow Sandy 26.21m-28.04m Gravel Sand 28.04m-28.65m Clay Grey 28.65m-39.32m Gravel Sand Water Supply 39.32m-43.28m Clay 43.28m-43.89m Sand Coarse Water Supply 43.89m-45.72m Gravel White Sand Water Supply 45.72m-48.16m Sand Coarse Water Supply 48.16m-48.46m Gravel Stones Coarse 48.46m-48.77m Stones 48.77m-51.21m Clay Black 51.21m-52.73m Sand Silty 52.73m-57.30m Sand Shale 57.30m-61.57m Clay Grey 61.57m-70.10m Shale Sand Cemented	1657m	South West
GW803676	0.00m-15.00m Silty Clay, orange/brown, moderate plasticity 15.00m-23.00m Gravel, alluvial, sub to well rounded, upto 100mm	1689m	South West

Groundwater No	Drillers Log	Distance	Direction
GW802549	0.00m-0.10m Clay Loam, dark brown 0.10m-0.50m Clay, dark reddish brown, medium 0.50m-1.00m Clay, dark reddish brown, medium heavy 1.00m-1.50m Clay, brown, medium heavy 1.50m-2.00m Clay, reddish brown, medium heavy 2.00m-2.50m Clay, reddish brown, medium heavy, brown mottles 2.50m-3.50m Clay, reddish brown, medium heavy 3.50m-4.50m Sandy Clay, brown, light 4.50m-5.00m Clay, reddish brown, light medium, orange mottles 5.00m-5.40m Clay, brown, light medium, basalt gravel to 40mm 5.40m-5.50m Basalt	1710m	West
GW023175	0.00m-18.90m Clay 18.90m-22.86m Basalt Broken 22.86m-39.62m Basalt 39.62m-45.72m Shale Water Supply 45.72m-59.44m Sandstone Water Supply	1767m	East
GW803483	0.00m-1.00m Topsoil 1.00m-8.50m Loam, sandy 8.50m-9.00m Silt, sandy 9.00m-13.50m Sand & gravel, big 13.50m-16.20m Gravel & Sand, clay stringers 16.20m-19.00m Gravel & Sand 19.00m-20.00m Sand, coarse & Gravel 20.00m-21.00m Gravel & Sand, rounded, washed 21.00m-36.00m Gravel, white & Sand, rounded, washed 36.00m-38.00m Gravel & Sand, white, Clay stringers	1774m	South West
GW802625	0.00m-0.10m Loam, dark brown 0.10m-0.50m Sandy Clay Loam, dark brown 0.50m-1.00m Silty Clay, greyish brown 1.00m-1.50m Silty Clay, greyish brown, trace of fine sand 1.50m-2.50m Silty Clay, brown, trace of fine sand 2.50m-3.40m Clay, light medium, brown 3.40m-3.50m Rock	1785m	South East
GW802572	0.00m-0.10m Clayey Sand, dark brown, 10% quartz grvl 10mm 0.10m-0.50m Clayey Sand, dark reddish brown 0.50m-2.00m Clayey Sand, reddish brown 2.00m-2.50m Loam, sandy, reddish brown, red mottles 2.50m-3.00m Loam, sandy, reddish brown, grey mottles 3.00m-3.50m Sandy Clay Loam, grey, red mottles 3.50m-4.00m Sandy Clay Loam, grey, yellow & red mottles 4.00m-5.00m Loam, sandy, reddish brown, grey mottles 5.00m-5.50m Loam, sandy, redish brown, gravels to 15mm 5.50m-7.00m Sandy Clay Loam, caorse, reddish brown 7.00m-9.00m Sandy Clay, reddish brown, gravels to 15mm	1798m	South West
GW008240	0.00m-11.89m Driller 11.89m-13.11m Rubble Water Supply 13.11m-25.30m Sandstone 25.30m-26.21m Shale Black Water Supply Coal Seams 26.21m-27.74m Shale Black 27.74m-29.57m Shale Grey	1801m	North
GW043749	0.00m-0.30m Topsoil 0.30m-4.88m Clay Sandy 4.88m-7.92m Clay Coloured Tight 7.92m-14.33m Clay Yellow Some Stones 14.33m-16.46m Sand Yellow Silty 16.46m-20.73m Gravel Sand Stones 20.73m-22.86m Sand Stones Coarse 22.86m-24.08m Gravel Medium Sand Silt 24.08m-28.04m Gravel White Sand Medium Water Supply 28.04m-28.65m Gravel White Medium Water Supply Clay Bands 28.65m-30.78m Silt Grey Sandy 30.78m-35.05m Gravel Sand Fine Water Supply Stones 35.05m-39.01m Sand White Silty Water Supply 39.01m-42.67m Clay Yellow 42.67m-44.50m Clay Grey Fossils:carbonised Wood 44.50m-47.55m Sand Yellow Silty 47.55m-48.16m Gravel Yellow Clay 48.16m-51.21m Gravel Yellow Sand Fine Water Supply 51.21m-59.74m Sand Yellow Fine Water Supply 59.74m-63.09m Sand Yellow Silt Fine Water Supply Stones 63.09m-64.92m Gravel Grey Stones Fine Water Supply Clay Wood Bands 64.92m-65.84m Clay Yellow Grey 65.84m-70.71m Shale	1807m	South West
GW802540	0.00m-0.10m Clay, dark reddish brown, light medium 0.10m-1.00m Clay, reddish brown, light medium 1.00m-2.50m Clay, reddish brown, medium 2.50m-3.00m Clay, reddish brown, medium, grey mottles 3.00m-3.50m Clay, reddish brown, light medium, yellow mottles 3.50m-4.00m Clay, brown, lightmeidum, grey mottles 4.00m-4.50m Sandy Clay, brown, grey mottles 4.50m-5.50m Clay, greyish brown, light medium 5.50m-6.00m Clay, grye, light medium, grey & orange mottles	1849m	East



Groundwater No	Drillers Log	Distance	Direction
GW098000	0.00m-0.10m Topsoil, dark red 0.10m-1.00m Topsoil, dark red, very hard, dry 1.00m-2.00m Topsoil, dark red, very hard, moist 2.00m-3.00m Ironstone, light red, firm 3.00m-3.50m Ironstone, light red, slightly moist 3.50m-4.00m Ironstone, brown, slightly moist, <10% sand 4.00m-4.50m Ironstone, brown, slightly moist, and basalt	1851m	North East
GW802558	0.00m-0.10m Sandy Clay Loam, reddish brown 0.10m-1.00m Sandy Clay, dark brown, 2% quartz to 20mm 1.00m-1.50m Clay, brown, light medium, 2% gravel to 5mm 1.50m-2.00m Clay, brown, medium, 20% yellow mottles 2.00m-3.00m Clay, brown, medium 3.00m-3.50m Clay, yellowish brown, light medium, orange mottles 3.50m-4.50m Clay, yellowish brown, light medium, grey mottles 4.50m-5.00m Clay, light brown, light, 10% grey mottles 5.00m-5.50m Clay, light brown, light medium, 20% grey mottles 5.50m-6.00m Sandy Clay, light brown 6.00m-8.00m Sandy Clay, yellowish brown 8.00m-9.00m Clay, yellowish brown, light 9.00m-10.00m Sandy Clay, light brown 10.00m-15.00m Clayey Sand, light reddish, brown	1854m	South
GW802567	0.00m-0.10m Sandy Clay, dark reddish brown 0.10m-0.50m Sandy Clay, reddish brown 0.50m-1.00m Clay, light reddish brown, light medium 1.00m-1.50m Sandy Clay, greyish brown 1.50m-2.50m Sandy Clay, grey 2.50m-3.00m Sandy Clay, light reddish brown 3.00m-3.50m Sandy Clay, light reddish brown, yellow mottles 3.50m-4.00m Sandy Clay, light reddish brown 4.00m-4.50m Sandy Clay, grey 4.50m-5.00m Sandy Clay, light reddish brown, grey mottles 5.00m-5.50m Sandy Clay, light reddish brown, red & grey mottles 5.50m-7.00m Sandy Clay, grey 7.00m-8.00m Sandy Clay, reddish brown, grey mottles 8.00m-14.00m Sandy Clay, reddish brown 14.00m-15.00m Clay, reddish brown, light medium	1854m	South
GW802565	0.00m-0.10m Sandy Clay Loam, dark brown 0.10m-0.50m Sandy Clay Loam, dark brown 1% quartz to 20mm 0.50m-1.50m Clay, reddish brown, light medium, yellow mottles 1.50m-2.00m Clay, reddish brown, light medium 2.00m-2.50m Sandy Clay Loam, reddish brown, fine 2.50m-3.00m Sandy Clay, reddish brown, grey mottles 3.00m-3.50m Sandy Clay, brown 3.50m-5.00m Sandy Clay, brown, grey mottles 5.00m-5.50m Clay, brown, medium, orange mottles 5.50m-7.00m Sandy Clay, brown 7.00m-8.00m Clay, brown, light medium 8.00m-9.00m Clay, brown, light medium, grey mottles	1862m	South West
GW802582	0.00m-0.10m Sandy Clay Loam, dark reddish brown 0.10m-0.50m Sandy Clay, red 0.50m-1.00m Clay, red, medium 1.00m-1.50m Sandy Clay, reddish brown 1.50m-2.50m Sandy Clay, greyish brown with gravel to 5mm 2.50m-4.00m Loam, sandy, greyish brown with gravel to 20mm	1872m	North East
GW023854	0.00m-12.80m Clay 12.80m-17.98m Basalt 17.98m-43.28m Basalt Hard 43.28m-45.11m Shale 45.11m-45.72m Shale Coal 45.72m-48.77m Sandstone Water Supply	1881m	East
GW043750	0.00m-0.30m Topsoil 0.30m-1.83m Sand 1.83m-17.07m Clay Sandy 17.07m-18.29m Sand Silty 18.29m-22.25m Gravel Sand Silt Stones 22.25m-25.30m Gravel Sand Stones 25.30m-30.48m Clay Water Supply 30.48m-35.66m Gravel Sand Water Supply 35.66m-37.19m Gravel Clay 37.19m-41.15m Clay 41.15m-46.63m Gravel Sand Water Supply Stones Silt 46.63m-49.07m Clay Sandy 49.07m-50.90m Clay Gravel 50.90m-54.25m Clay 54.25m-57.91m Clay Sandy 57.91m-59.74m Shale	1887m	South West

Groundwater No	Drillers Log	Distance	Direction
GW043748	0.00m-0.61m Topsoil 0.61m-1.83m Loam Sandy 1.83m-10.67m Clay Sandy 10.67m-15.24m Clay Gravel 15.24m-17.68m Silt Sand 17.68m-18.90m Sand 18.90m-19.51m Clay Sandy 19.51m-23.77m Sand Gravel Water Supply 23.77m-24.38m Clay 24.38m-31.39m Gravel Sand Water Supply 24.38m-31.39m Silt 31.39m-32.31m Clay Silt Bands 31.39m-32.31m Gravel Sand Water Supply 32.31m-35.05m Gravel Sand Water Supply 32.31m-35.05m Silt 35.05m-36.88m Gravel Sand Water Supply 36.88m-39.01m Clay Water Supply 39.01m-45.42m Shale	1890m	South West
GW039458	0.00m-1.00m Brown Topsoil 1.00m-9.00m Sandy Brown Clay 9.00m-18.20m Brown Clay bound Gravel 18.20m-19.00m Large Boulders and Gravel 19.00m-23.00m Large Gravel and sand, light brown 23.00m-28.00m Grey Sand and gravel. very clean 28.00m-30.00m Mottled Clay 30.00m-32.00m Grey Shale	1901m	North West
GW802119	0.00m-4.00m Fill 4.00m-7.00m Basalt 7.00m-13.50m Sandstone	1907m	West
GW802121	0.00m-5.50m Fill 5.50m-7.50m Basalt 7.50m-15.00m Sandstone	1914m	West
GW098001	0.00m-0.15m Topsoil 0.15m-1.50m Clay, hard dark red, dry 1.50m-3.50m Clay, moist, light red 3.50m-5.00m Clay, firm brown, and ironstone	1918m	North East
GW802122	0.00m-2.50m Fill 2.50m-7.00m Basalt 7.00m-12.00m Sandstone	1921m	West
GW802120	0.00m-1.00m Fill 1.00m-2.00m Clay 2.00m-8.00m Basalt, weathered basalt 8.00m-12.00m Sandstone	1925m	West
GW802578	0.00m-0.10m Sandy Clay Loam, dark reddish brown 0.10m-0.50m Sandy Clay, reddish brown 0.50m-1.00m Clay, reddish brown, light medium 1.00m-1.40m Sandy Clay, greyish brown, 30% ground basalt 1.40m-1.50m Basalt	1932m	West
GW802602	0.00m-0.10m Sandy clay Loam, reddish brown 0.10m-1.00m Clay, light medium, reddish brown 1.00m-2.00m Sandy Clay, red 2.00m-3.00m Sandy Clay, brown 3.00m-3.50m sandy Clay, coarse, 80% basalt gravel to 80mm 3.50m-4.50m Sandy Clay, brown, 80% basalt gravel to 80mm 4.50m-5.00m Sandy Clay, yellow brown 5.00m-5.50m Sandy Clay, brown 5.50m-6.00m Sandy Clay, brown, 30% basalt gravel 6.00m-6.90m Sandy Clay, 30% basalt & 5% quartz to 10mm 6.90m-7.00m Basalt	1951m	North West

Groundwater No	Drillers Log	Distance	Direction
GW043752	0.00m-0.30m Topsoil 0.30m-3.05m Clay Red 3.05m-3.66m Basalt Decomposed 3.66m-14.33m Clay Sandy 14.33m-16.76m Sand Silty 16.76m-22.25m Clay Sandy 22.25m-23.77m Clay Gravel 23.77m-25.91m Gravel Sand Stones Dry 25.91m-27.13m Clay Gravel 27.13m-29.57m Sand Silty 29.57m-30.48m Gravel Sand Stones 30.48m-35.36m Clay Sandy 35.36m-36.58m Sand Silty 36.58m-41.15m Gravel Sand Stones 41.15m-43.89m Gravel Sand 43.89m-44.81m Sand Coarse 44.81m-46.33m Clay Sandy 46.33m-50.29m Gravel Sand Silt 50.29m-60.96m Gravel Sand Stones 60.96m-64.01m Gravel Sand Clay 64.01m-66.14m Clay 66.14m-69.49m Gravel Sand 69.49m-71.63m Sand 71.63m-74.37m Stones Gravel Sand 74.37m-81.08m Gravel Sand 81.08m-94.49m Clay Grey Puggy 94.49m-99.67m Clay Shale	1973m	South
GW802581	0.00m-0.10m Clayey Sand, dark brown, 10% quartz gravel 0.10m-0.50m Clayey Sand, dark reddish brown 0.50m-2.00m Clayey Sand, reddish brown 2.00m-3.00m Loam, sandy, reddish brown 3.00m-4.00m Sandy Clay Loam, grey 4.00m-5.00m Loam, sandy, reddish brown 5.00m-5.50m Loam, sandy, reddish brown, 10% rounded gravel 5.50m-7.00m Sandy Clay Loam, reddish brown, coarse 7.00m-9.00m Sandy Clay, reddish brown, 15% gravel to 15mm	1977m	North

Drill Log Data Source: NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corp  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>





## Geology

### White Street, Dubbo, NSW 2830

## Geological Units

What are the Geological Units onsite?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
Jps	Medium to very coarse grained, well sorted, angular to subangular quartzose sandstone. Minor interbeds of mudstone, siltstone and fine grained sandstone and coal. Common carbonaceous fragments and iron staining. Rare lithic fragments. Large scale tabular	Pilliga Sandstone			Mesozoic			1:250,000
Jpu	Fine to medium grained lithic to labile sandstone thinly interbedded with siltstone, mudstone and thin coal seams. Abundant carbonaceous fragments, thin beds of flint clay.	Purlawaugh Formation			Mesozoic			1:250,000
Rns	Finely laminated quartzose sandstone & siltstone interbedded with thick, massive or crossbedded quartzose sandstone. Minor conglomerate	Napperby Formation			Mesozoic			1:250,000

What are the Geological Units within the dataset buffer?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
Jps	Medium to very coarse grained, well sorted, angular to subangular quartzose sandstone. Minor interbeds of mudstone, siltstone and fine grained sandstone and coal. Common carbonaceous fragments and iron staining. Rare lithic fragments. Large scale tabular	Pilliga Sandstone			Mesozoic			1:250,000
Jpu	Fine to medium grained lithic to labile sandstone thinly interbedded with siltstone, mudstone and thin coal seams. Abundant carbonaceous fragments, thin beds of flint clay.	Purlawaugh Formation			Mesozoic			1:250,000
Qavv1	Interpreted clay, silt, sand, gravel.				Cainozoic			1:250,000
Rns	Finely laminated quartzose sandstone & siltstone interbedded with thick, massive or crossbedded quartzose sandstone. Minor conglomerate	Napperby Formation			Mesozoic			1:250,000
Tb	Tholeiite, alkali basalt, basanite, nephelinite, limburgite, trachyte, rare obsidian				Cainozoic			1:250,000

## Geological Structures

What are the Geological Structures onsite?

Feature	Name	Description	Map Sheet	Dataset
No features				1:250,000

What are the Geological Structures within the dataset buffer?

Feature	Name	Description	Map Sheet	Dataset
No features				1:250,000

Geological Data Source : NSW Department of Industry, Resources & Energy

© State of New South Wales through the NSW Department of Industry, Resources & Energy



# Naturally Occurring Asbestos Potential

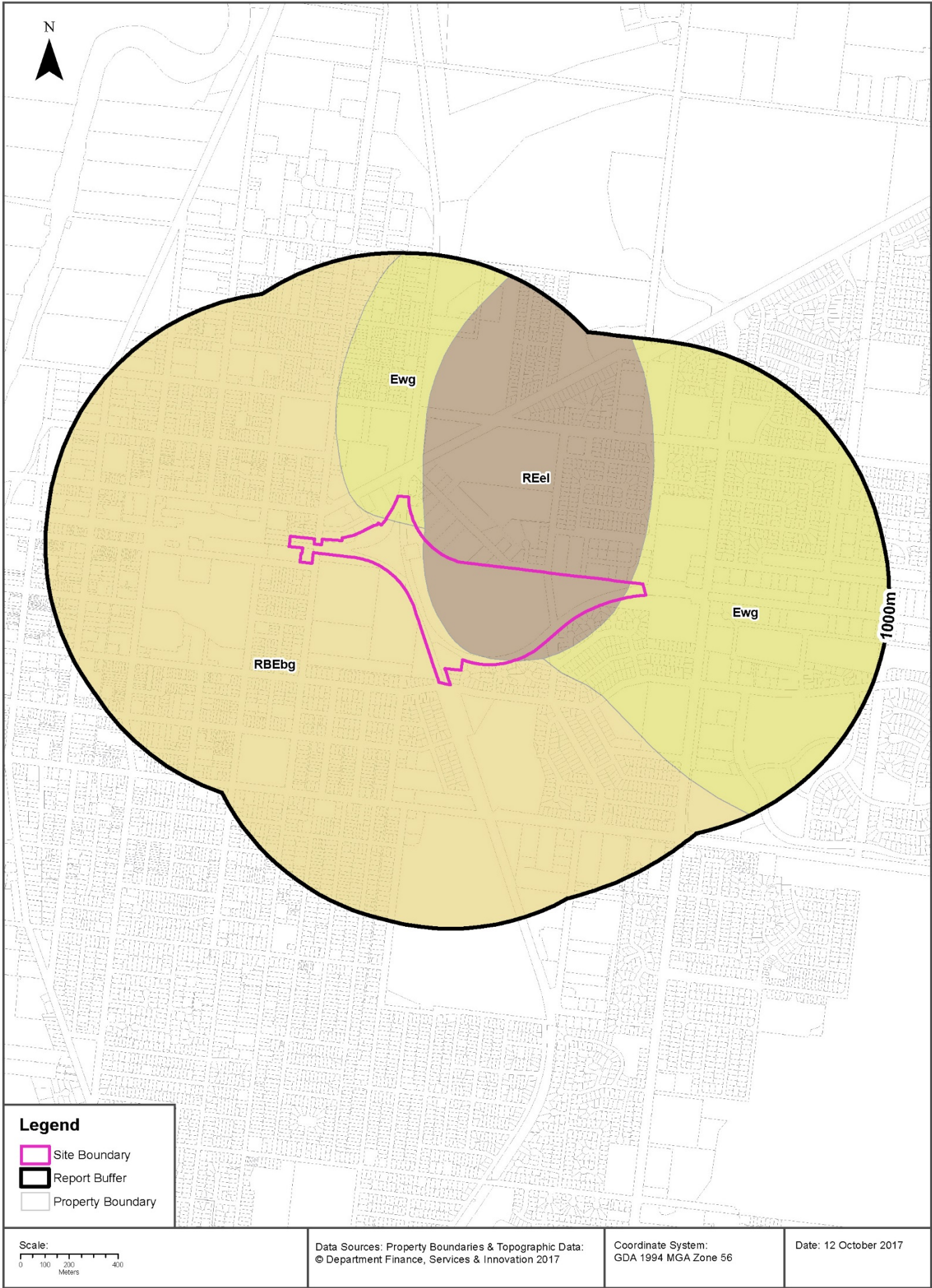
White Street, Dubbo, NSW 2830

## Naturally Occurring Asbestos Potential

Naturally Occurring Asbestos Potential within the dataset buffer:

Potential	Sym	Strat Name	Group	Formation	Scale	Min Age	Max Age	Rock Type	Dom Lith	Description	Dist	Dir
No records in buffer												

Mining Subsidence District Data Source: © State of New South Wales through NSW Department of Industry, Resources & Energy



## Soils

**White Street, Dubbo, NSW 2830**

## Soil Landscapes

What are the onsite Soil Landscapes?

Soil Code	Name	Group	Process	Map Sheet	Scale
Ewg	WONGARBON	EUCHROZEMS		Dubbo	1:250,000
RBEbg	BUNGLEGUMBIE	RED-BROWN EARTHS		Dubbo	1:250,000
REel	EULOMOGO	RED EARTHS		Dubbo	1:250,000

What are the Soil Landscapes within the dataset buffer?

Soil Code	Name	Group	Process	Map Sheet	Scale
Ewg	WONGARBON	EUCHROZEMS		Dubbo	1:250,000
RBEbg	BUNGLEGUMBIE	RED-BROWN EARTHS		Dubbo	1:250,000
REel	EULOMOGO	RED EARTHS		Dubbo	1:250,000

Soils Landscapes Data Source : NSW Office of Environment and Heritage

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>



## Standard Local Environmental Plan Acid Sulfate Soils

**White Street, Dubbo, NSW 2830**

## Standard Local Environmental Plan Acid Sulfate Soils

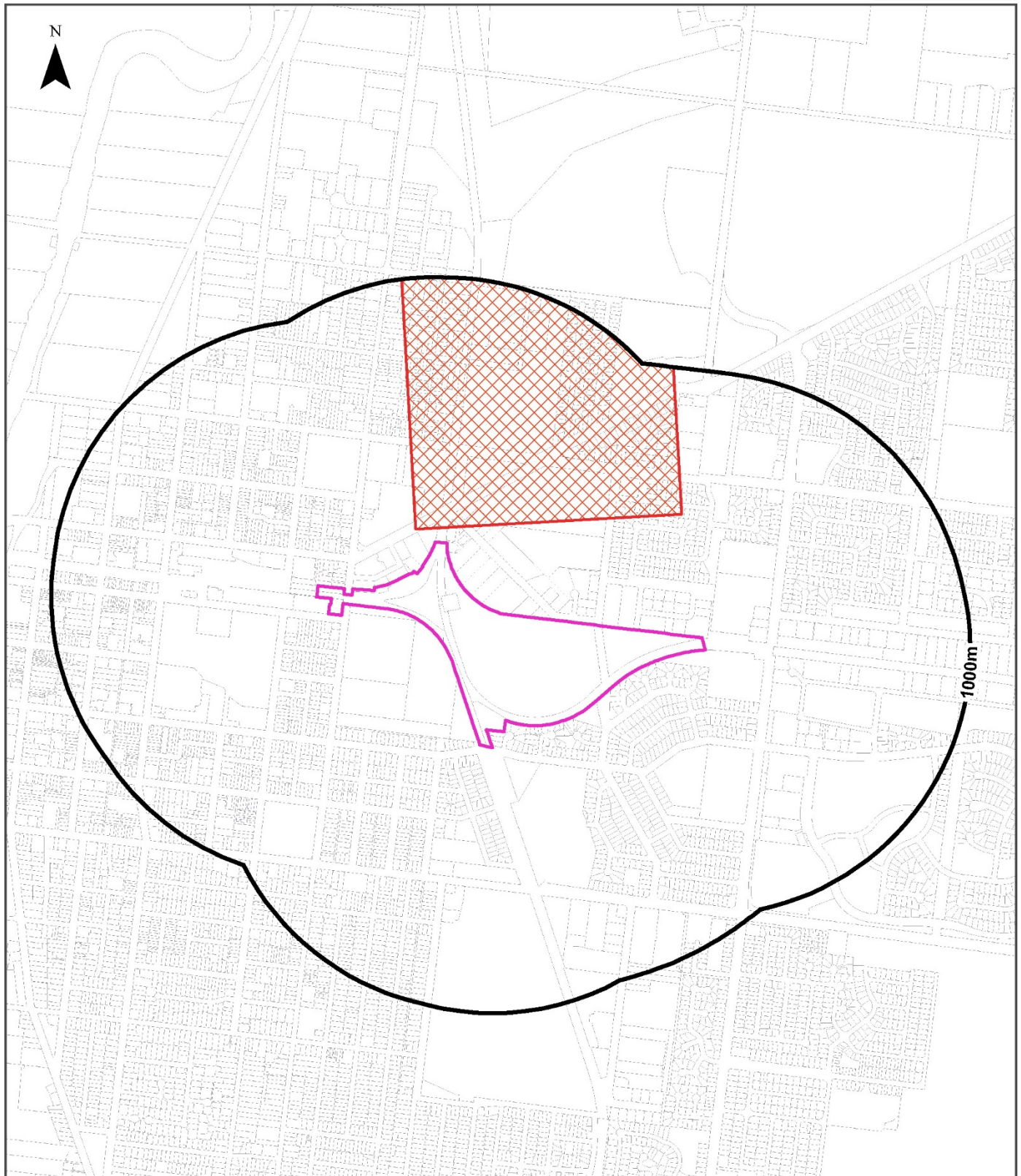
What is the on-site Acid Sulfate Soil Plan Class that presents the largest environmental risk?

Soil Class	Description	LEP
N/A		

If the on-site Soil Class is 5, what other soil classes exist within 500m?

Soil Class	Description	LEP	Distance	Direction
N/A				

Acid Sulfate Data Source Accessed 07/10/2016: NSW Crown Copyright - Planning and Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>



Legend		Dryland Salinity - National Assessment		Salinity Potential of Western Sydney	
	Site Boundary		Delineated risk area but no high hazard or risk rating for either 2000, 2020, 2050		Area of Known Salinity
	Report Buffer		High hazard or risk in 2050 only		Area of High Salinity Potential
	Property Boundary		High hazard or risk defined for 2050, but no assessment made for 2000 or 2020		Area of Moderate Salinity Potential
			High hazard or risk in 2020 and 2050		Area of Very Low Salinity Potential
			High hazard or risk in 2000 and 2050. 2020 not defined as high hazard		Area of Water
			High hazard or risk defined for all years: 2000, 2020, 2050		

Scale:  
0 100 200 400  
Meters

Data Sources: Property Boundaries & Topographic Data:  
© Department Finance, Services & Innovation 2017

Coordinate System:  
GDA 1994 MGA Zone 56

Date: 12 October 2017

## Dryland Salinity

**White Street, Dubbo, NSW 2830**

### Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

**No**

Is there Dryland Salinity - National Assessment data within the dataset buffer?

**Yes**

What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
High hazard or risk	High hazard or risk	High hazard or risk	53m	East

Dryland Salinity Data Source : National Land and Water Resources Audit

The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.

In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

### Dryland Salinity Potential of Western Sydney

Dryland Salinity Potential of Western Sydney within the dataset buffer?

Feature Id	Classification	Description	Distance	Direction
N/A	Outside Data Coverage			

Dryland Salinity Potential of Western Sydney Data Source: NSW Office of Environment and Heritage

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>



# Mining Subsidence Districts

White Street, Dubbo, NSW 2830

## Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

District	Distance	Direction
There are no Mining Subsidence Districts within the report buffer		

Mining Subsidence District Data Source: © Land and Property Information (2016)  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## Environmental Zoning

White Street, Dubbo, NSW 2830

### State Environmental Planning Policy Protected Areas

Are there any State Environmental Planning Policy Protected Areas onsite or within the dataset buffer?

Dataset	Onsite	Within Site Buffer	Distance
SEPP14 - Coastal Wetlands	No	No	N/A
SEPP26 - Littoral Rainforests	No	No	N/A
SEPP71 - Coastal Protection Zone	No	No	N/A

SEPP Protected Areas Data Source: NSW Department of Planning & Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

### State Environmental Planning Policy Major Developments (2005)

State Environmental Planning Policy Major Developments within the dataset buffer:

Map Id	Feature	Effective Date	Distance	Direction
N/A	No records within buffer			

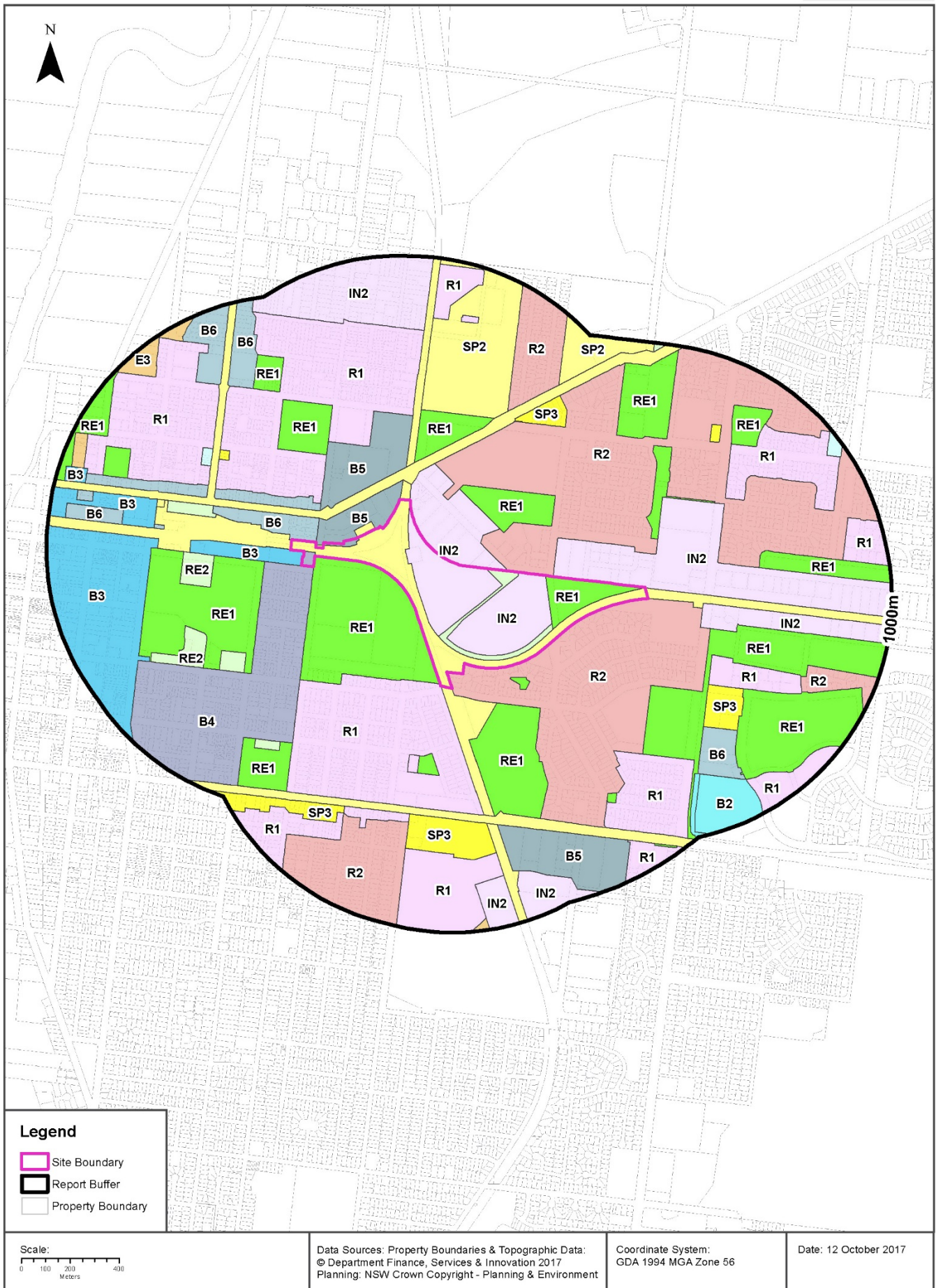
SEPP Major Development Data Source: NSW Department of Planning & Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

### State Environmental Planning Policy Strategic Land Use Areas

State Environmental Planning Policy Strategic Land Use Areas onsite or within the dataset buffer:

Strategic Land Use	SEPPNo	Effective Date	Amendment	Amendment Year	Distance	Direction
No records within buffer						

SEPP Strategic Land Use Data Source: NSW Department of Planning & Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>





# Local Environmental Plan

**White Street, Dubbo, NSW 2830**

## Land Zoning

What Local Environmental Plan Land Zones exist within the dataset buffer?

Zone	Description	Purpose	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
IN2	Light Industrial		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		0m	Onsite
SP2	Infrastructure	Railway	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		0m	Onsite
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		0m	Onsite
RE2	Private Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		0m	Onsite
B4	Mixed Use		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		0m	Onsite
B5	Business Development		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		0m	Onsite
B3	Commercial Core		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		0m	West
B6	Enterprise Corridor		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		0m	West
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		0m	South West
R2	Low Density Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		0m	East
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		47m	South East
SP2	Infrastructure	Classified Road	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		66m	North
B5	Business Development		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		106m	North West
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		116m	West
B6	Enterprise Corridor		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		131m	North West
SP2	Infrastructure	Railway	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		136m	North
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		141m	South
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		155m	North East
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		156m	North
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		161m	North West
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		205m	North East
IN2	Light Industrial		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		227m	East
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		276m	South
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		281m	East
R1	General Residential		Dubbo Local Environmental Plan 2011	31/07/2015	31/07/2015	07/04/2017	Amendment No 7	298m	South
RE2	Private Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		314m	West
RE2	Private Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		325m	West
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		347m	East
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		352m	North West

Zone	Description	Purpose	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
SP2	Infrastructure	Health Services Facilities	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		374m	North
B6	Enterprise Corridor		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		389m	West
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		408m	North West
SP3	Tourist		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		416m	North West
RE2	Private Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		424m	West
SP3	Tourist		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		429m	South East
B1	Neighbourhood Centre		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		450m	North West
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		469m	East
RE2	Private Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		483m	West
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		494m	North East
SP2	Infrastructure	Classified Road	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		499m	South West
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		503m	South East
B6	Enterprise Corridor		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		525m	West
SP3	Tourist		Dubbo Local Environmental Plan 2011	04/12/2015	04/12/2015	07/04/2017		530m	South
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		536m	East
R2	Low Density Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		538m	North
SP3	Tourist		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		538m	North
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		539m	South West
SP2	Infrastructure	Sewerage System	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		541m	West
B3	Commercial Core		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		542m	West
B3	Commercial Core		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		566m	West
SP2	Infrastructure	Railway	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		568m	South
B6	Enterprise Corridor		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		570m	South East
R2	Low Density Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		572m	South West
B5	Business Development		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		585m	South
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		606m	North East
SP3	Tourist		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		631m	South West
B6	Enterprise Corridor		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		638m	North West
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		639m	South East
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		651m	South West
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		654m	South West
SP3	Tourist		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		656m	North East
R1	General Residential		Dubbo Local Environmental Plan 2011	04/12/2015	04/12/2015	07/04/2017	Amendment No 8	673m	South
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		689m	North East
RE2	Private Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		696m	South West
IN2	Light Industrial		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		698m	North

Zone	Description	Purpose	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
B6	Enterprise Corridor		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		700m	West
B6	Enterprise Corridor		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		701m	North West
R2	Low Density Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		703m	East
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		720m	West
B2	Local Centre		Dubbo Local Environmental Plan 2011	07/12/2012	07/12/2012	07/04/2017	Amendment No 1	741m	South East
B2	Local Centre		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		748m	South East
R1	General Residential		Dubbo Local Environmental Plan 2011	29/05/2015	29/05/2015	07/04/2017	Amendment No 4	753m	North
R1	General Residential		Dubbo Local Environmental Plan 2011	29/05/2015	29/05/2015	07/04/2017	Amendment No 4	762m	North
SP2	Infrastructure	Health Services Facilities	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		769m	North East
IN2	Light Industrial		Dubbo Local Environmental Plan 2011	04/12/2015	04/12/2015	07/04/2017	Amendment No 8	793m	South
IN2	Light Industrial		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		795m	South
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		814m	East
B6	Enterprise Corridor		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		833m	West
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		843m	South East
R1	General Residential		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		845m	South East
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		867m	North West
E3	Environmental Management		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		869m	North West
B3	Commercial Core		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		878m	West
E3	Environmental Management		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		901m	West
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		912m	South East
B1	Neighbourhood Centre		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		920m	North East
E3	Environmental Management		Dubbo Local Environmental Plan 2011	04/12/2015	04/12/2015	07/04/2017	Amendment No 8	950m	South
RE2	Private Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		963m	North East
RE1	Public Recreation		Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		997m	North

Local Environment Plan Data Source: NSW Crown Copyright - Planning & Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>



## Local Environmental Plan

White Street, Dubbo, NSW 2830

### Minimum Subdivision Lot Size

What are the onsite Local Environmental Plan Minimum Subdivision Lot Sizes?

Symbol	Minimum Lot Size	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Percentage of Site Area
V	2000 m <sup>2</sup>	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	07/04/2017		48.93

### Maximum Height of Building

What are the onsite Local Environmental Plan Maximum Height of Buildings?

Symbol	Maximum Height of Building	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Percentage of Site Area
No Data							

### Floor Space Ratio

What are the onsite Local Environmental Plan Floor Space Ratios?

Symbol	Floor Space Ratio	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Percentage of Site Area
No Data							

### Land Application

What are the onsite Local Environmental Plan Land Applications?

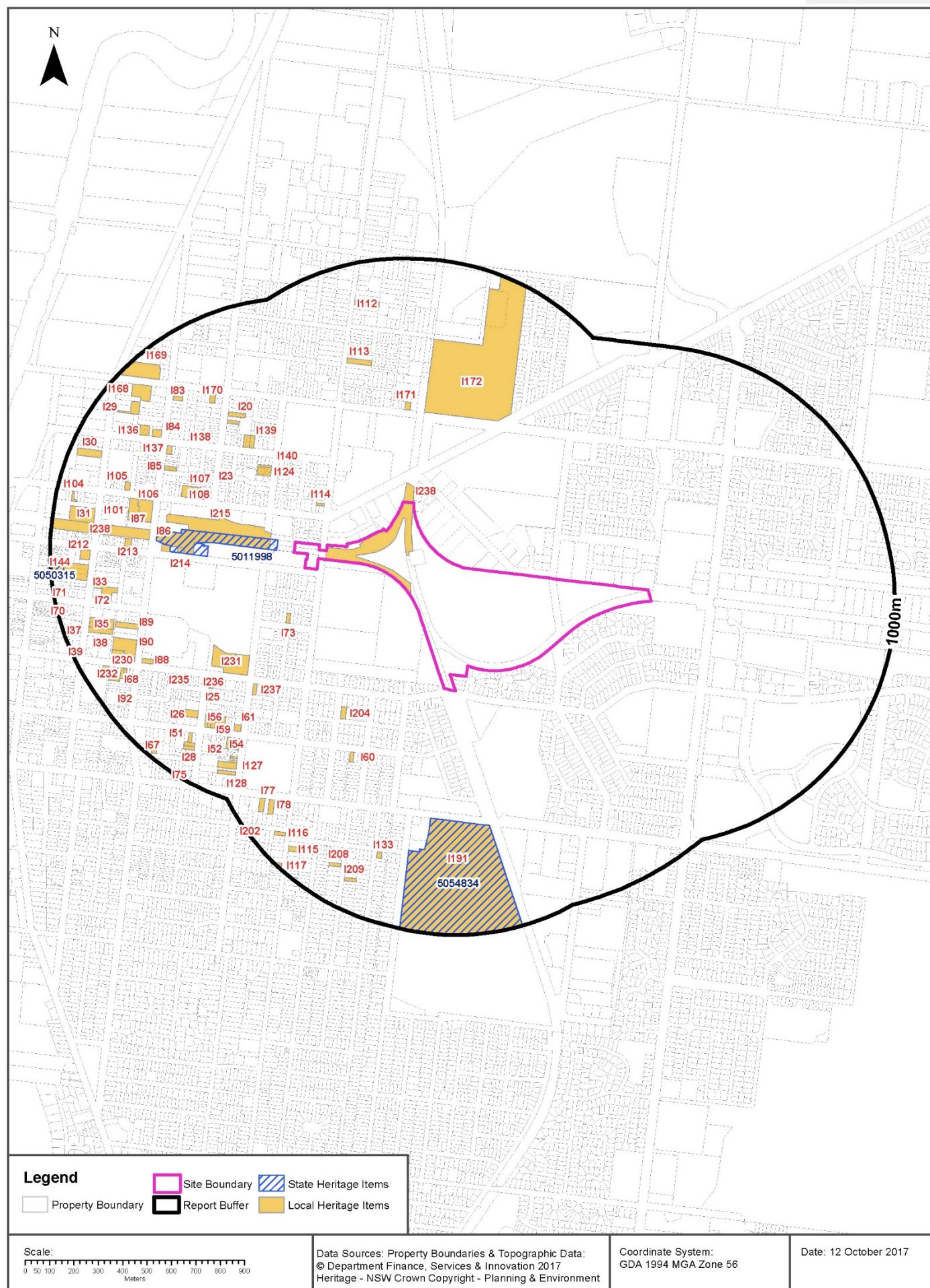
Application Type	LEP or SEPP	Published Date	Commenced Date	Currency Date	Amendment	Percentage of Site Area
Included	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	11/11/2011		100

### Land Reservation Acquisition

What are the onsite Local Environmental Plan Land Reservation Acquisitions?

Reservation	LEP	Published Date	Commenced Date	Currency Date	Amendment	Comments	Percentage of Site Area
No Data							

Local Environment Plan Data Source: NSW Crown Copyright - Planning & Environment  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>



## Heritage

### White Street, Dubbo, NSW 2830

## State Heritage Items

What are the State Heritage Items located within the dataset buffer?

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
5011998	Dubbo Railway Station and Yard Group	Main Western railway, Dubbo	Dubbo	02/04/1999	1130	2817	72m	West
5054834	Dubbo RAAF Stores Depot (former)	Cobra Street, Dubbo	Dubbo	29/06/2004	1701	1969	530m	South
5050315	Old Dubbo Gaol	215 Macquarie Street Dubbo	Dubbo	26/03/2004	1689	1950	945m	West

Heritage Data Source: NSW Crown Copyright - Planning & Environment

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## Local Heritage Items

What are the Local Heritage Items located within the dataset buffer?

Map Id	Name	Classification	Significance	LEP or Act	Published Date	Commenced Date	Currency Date	Distance	Direction
I238	Macquarie River Rail Bridge (west of railway station)	Item - General	State	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	0m	Onsite
I215	Dubbo Railway Station	Item - General	State	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	102m	West
I114	Californian bungalow'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	161m	North West
I73	Victorian Cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	195m	West
I124	Five terrace houses (row)	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	290m	North West
I123	Cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	320m	North West
I24	Cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	368m	North West
I172	Dubbo Base Hospital	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	374m	North
I23	Edwardian cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	375m	North West
I171	Georgian cottage'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	377m	North
I22	'Montana'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	383m	North West
I204	House'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	402m	South West
I108	Semi-detached house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	413m	West
I140	'Victorian timber cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	422m	North West



Map Id	Name	Classification	Significance	LEP or Act	Published Date	Commenced Date	Currency Date	Distance	Direction
I231	Cultural Centre (former Dubbo High School)	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	425m	West
I139	Semi-detached building'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	432m	North West
I214	Station Master's Residence (former)	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	450m	West
I60	'Pretoria'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	452m	South West
I107	Western Star Hotel	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	464m	West
I237	'Weeroona'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	513m	West
I86	' Railway cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	526m	West
I191	RAAF Stores Depot	Item - General	State	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	529m	South
I21	'Emoh Ruo'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	535m	North West
I20	'Mayvilla'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	548m	North West
I138	Victorian house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	559m	North West
I85	Two storey terraces'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	568m	North West
I113	Timber cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	574m	North West
I236	Bungalow house'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	586m	West
I238	Macquarie River Rail Bridge (west of railway station)	Item - General	State	Dubbo Local Environmental Plan 2011	29/05/2015	29/05/2015	29/05/2015	597m	West
I106	Police station and residence (former)	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	599m	West
I87	' Police residence	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	599m	West
I137	Edwardian house'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	624m	North West
I25	'Eastonville'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	624m	West
I101	Beni Crossing	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	653m	North East
I170	Semi-detached housing	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	658m	North West
I213	Pastoral Hotel	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	668m	West
I235	Victorian house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	669m	West
I59	'Dalkeith'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	691m	South West
I61	'Hazeldene'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	694m	South West
I58	Dwelling house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	697m	South West

Map Id	Name	Classification	Significance	LEP or Act	Published Date	Commenced Date	Currency Date	Distance	Direction
I84	Edwardian house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	699m	North West
I89	Headmaster's house (former)	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	702m	West
I57	Dwelling house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	702m	South West
I56	Victorian house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	707m	South West
I105	Police residence (former)	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	712m	West
I55	Dwelling house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	714m	South West
I133	Cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	718m	South
I53	Dwelling house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	720m	South West
I88	Fire Station (former)	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	725m	West
I26	Victorian House	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	730m	West
I90	Dubbo Public School	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	738m	West
I72	'The Drop Inn' and Wesley Centre Uniting Church	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	738m	West
I83	' Californian bungalow	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	740m	North West
I136	3 Cottages	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	743m	North West
I54	Federation house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	749m	South West
I52	Dwelling house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	758m	South West
I33	Dubbo Lands Office	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	780m	West
I35	Holy Trinity Anglican Church	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	787m	West
I34	Miss Bettys	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	795m	West
I112	Stone cottage'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	805m	North
I38	Brotherhood House	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	806m	West
I230	St Andrews Church & Hall	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	806m	West
I51	Dwelling house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	818m	South West
I125	Dwelling house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	822m	South West
I29	Former 'Macquarie Brewery'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	828m	North West
I168	Brick house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	829m	North West

Map Id	Name	Classification	Significance	LEP or Act	Published Date	Commenced Date	Currency Date	Distance	Direction
I31	Ben Furney Flour Mills	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	830m	West
I78	Edwardian house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	832m	South West
I234	Former house'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	833m	West
I208	House	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	833m	South West
I212	Castlereagh Hotel	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	835m	West
I126	Brick cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	838m	South West
I233	Former house'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	842m	West
I32	Dubbo Courthouse	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	844m	West
I27	Cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	846m	South West
I127	Three residences'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	847m	South West
I209	House	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	859m	South West
I28	Cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	860m	South West
I77	Edwardian brick residence	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	863m	South West
I30	'Hub of the West, Lodge'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	867m	West
I169	Edwardian house'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	869m	North West
I115	Cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	877m	South West
I116	Shop building	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	878m	South West
I91	Georgian cottage'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	880m	West
I68	'Mayville'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	881m	West
I128	Town house'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	882m	South West
I92	Two-storey brick terrace housing (row)	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	888m	West
I232	CWA Rooms	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	891m	West
I104	Timber bungalow'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	911m	West
I37	Commercial Hotel	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	922m	West
I67	Dwelling house	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	932m	South West
I144	Old Dubbo Gaol	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	945m	West



Map Id	Name	Classification	Significance	LEP or Act	Published Date	Commenced Date	Currency Date	Distance	Direction
I71	Salvation Army Citadel	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	966m	West
I39	`Westbury'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	969m	West
I75	Bungalow	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	973m	South West
I202	Californian bungalow'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	976m	South West
I117	Cottage	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	977m	South West
I70	Former `Masonic Hall'	Item - General	Local	Dubbo Local Environmental Plan 2011	11/11/2011	11/11/2011	29/05/2015	993m	West

Heritage Data Source: NSW Crown Copyright - Planning & Environment

Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## Natural Hazards

**White Street, Dubbo, NSW 2830**

### Bush Fire Prone Land

What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
No records within buffer		

NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

## Ecological Constraints

**White Street, Dubbo, NSW 2830**

### RAMSAR Wetlands

What RAMSAR Wetland areas exist within the dataset buffer?

Map Id	RAMSAR Name	Wetland Name	Designation Date	Source	Distance	Direction
N/A	No records in buffer					

RAMSAR Wetlands Data Source: © Commonwealth of Australia - Department of Environment



## Ecological Constraints

**White Street, Dubbo, NSW 2830**

### ATLAS of NSW Wildlife

Endangered & Vulnerable Species on the ATLAS of NSW Wildlife database, within 10km of the site?

Class	Family	Scientific	Common	Exotic	NSW Status	Commonwealth Status
Aves	Acanthizidae	Chthonicola sagittata	Speckled Warbler	No	Vulnerable, Protected	
Aves	Accipitridae	Circus assimilis	Spotted Harrier	No	Vulnerable, Protected	
Aves	Accipitridae	Hieraaetus morphnoides	Little Eagle	No	Vulnerable, Protected	
Aves	Anseranatidae	Anseranas semipalmata	Magpie Goose	No	Vulnerable, Protected	
Aves	Cacatuidae	Calyptorhynchus lathami	Glossy Black-Cockatoo	No	Vulnerable, Protected, Category 2 Sensitive Species	
Aves	Cacatuidae	Lophochroa leadbeateri	Major Mitchell's Cockatoo	No	Vulnerable, Protected, Category 2 Sensitive Species	
Aves	Climacteridae	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	No	Vulnerable, Protected	
Aves	Estrildidae	Stagonopleura guttata	Diamond Firetail	No	Vulnerable, Protected	
Aves	Falconidae	Falco subniger	Black Falcon	No	Vulnerable, Protected	
Aves	Meliphagidae	Anthochaera phrygia	Regent Honeyeater	No	Critically Endangered Species, Protected	Critically Endangered
Aves	Meliphagidae	Epthianura albifrons	White-fronted Chat	No	Vulnerable, Protected	
Aves	Meliphagidae	Melithreptus gularis gularis	Black-chinned Honeyeater (eastern subspecies)	No	Vulnerable, Protected	
Aves	Neosittidae	Daphoenositta chrysoptera	Varied Sittella	No	Vulnerable, Protected	
Aves	Petroicidae	Melanodryas cucullata cucullata	Hooded Robin (south-eastern form)	No	Vulnerable, Protected	
Aves	Petroicidae	Petroica phoenicea	Flame Robin	No	Vulnerable, Protected	
Aves	Phaethontidae	Phaethon rubricauda	Red-tailed Tropicbird	No	Vulnerable, Protected	CAMBA
Aves	Pomatostomidae	Pomatostomus temporalis temporalis	Grey-crowned Babbler (eastern subspecies)	No	Vulnerable, Protected	
Aves	Psittacidae	Glossopsitta pusilla	Little Lorikeet	No	Vulnerable, Protected	
Aves	Psittacidae	Lathamus discolor	Swift Parrot	No	Endangered, Protected, Category 3 Sensitive Species	Critically Endangered
Aves	Psittacidae	Neophema pulchella	Turquoise Parrot	No	Vulnerable, Protected, Category 3 Sensitive Species	
Aves	Psittacidae	Polytelis swainsonii	Superb Parrot	No	Vulnerable, Protected, Category 3 Sensitive Species	Vulnerable
Aves	Rostratulidae	Rostratula australis	Australian Painted Snipe	No	Endangered, Protected	Endangered
Aves	Strigidae	Ninox connivens	Barking Owl	No	Vulnerable, Protected, Category 3 Sensitive Species	
Mammalia	Emballonuridae	Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	No	Vulnerable, Protected	
Mammalia	Phascolarctidae	Phascolarctos cinereus	Koala	No	Vulnerable, Protected	Vulnerable
Mammalia	Pteropodidae	Pteropus poliocephalus	Grey-headed Flying-fox	No	Vulnerable, Protected	Vulnerable
Mammalia	Vespertilionidae	Chalinolobus picatus	Little Pied Bat	No	Vulnerable, Protected	
Mammalia	Vespertilionidae	Miniopterus schreibersii oceanensis	Eastern Bentwing-bat	No	Vulnerable, Protected	
Mammalia	Vespertilionidae	Nyctophilus corbeni	Corben's Long-eared Bat	No	Vulnerable, Protected	Vulnerable

Class	Family	Scientific	Common	Exotic	NSW Status	Commonwealth Status
Flora	Apocynaceae	Tylophora linearis		No	Vulnerable, Protected	Endangered
Flora	Asteraceae	Calotis glandulosa	Mauve Burr-daisy	No	Vulnerable, Protected	Vulnerable
Flora	Fabaceae (Faboideae)	Indigofera efoliata	Leafless Indigo	No	Endangered, Protected, Category 3 Sensitive Species	Endangered
Flora	Malvaceae	Commersonia procumbens		No	Vulnerable, Protected	Vulnerable
Flora	Myrtaceae	Homoranthus darwinioides		No	Vulnerable, Protected	Vulnerable
Flora	Orchidaceae	Diuris tricolor	Pine Donkey Orchid	No	Vulnerable, Protected, Category 2 Sensitive Species	

Data does not include records not defined as either endangered or vulnerable, and category 1 sensitive species are also excluded. NSW Office of Environment and Heritage's Atlas of NSW Wildlife, which holds data from a number of custodians. Data obtained 12/10/2017

## USE OF REPORT – APPLICABLE TERMS

The following terms apply to any person (End User) who is given the Report by the person who purchased the Report from Lotsearch Pty Ltd (ABN: 89 600 168 018) (Lotsearch) or who otherwise has access to the Report. The contract terms that apply between Lotsearch and the purchaser of the Report are specified in the order form pursuant to which the Report was ordered and the terms set out below are of no effect as between Lotsearch and the purchaser of the Report.

1. End User acknowledges and agrees that:
  - (a) the Report is compiled from or using content (**Third Party Content**) which is comprised of:
    - (i) content provided to Lotsearch by third party content suppliers with whom Lotsearch has contractual arrangements or content which is freely available (**Third Party Content Suppliers**);
    - (j) content which is derived from content described in paragraph (i);
  - (b) Lotsearch does not take any responsibility for or give any warranty in relation to the accuracy or completeness of any Third Party Content included in the Report;
  - (c) the Third Party Content Suppliers do not constitute an exhaustive set of all repositories or sources of information available in relation to the property which is the subject of the Report (**Property**);
  - (d) Lotsearch has not undertaken any physical inspection of the property;
  - (e) Lotsearch does not warrant that all land uses or features whether past or current are identified in the Report;
  - (f) the Report does not include any information relating to the actual state or condition of the Property;
  - (g) the Report should not be used or taken to indicate or exclude actual fitness or unfitness of a Property for any particular purpose;
  - (h) the Report should not be relied upon for determining saleability or value or making any other decisions in relation to the Property and in particular should not be taken to be a rating or assessment of the desirability or market value of the property or its features; and
  - (i) the End User should undertake its own inspection s of the Property to satisfy itself that there are no defects or failures.
2. The End User may not make the Report or any copies or extracts of the report or any part of it available to any other person. If End User wishes to provide the Report to any other person or make extracts or copies of the Report, it must contact the purchaser of the Report before doing so to ensure the proposed use is consistent with the contract terms between Lotsearch and the purchaser.
3. Neither Lotsearch (nor any of its officers, employees or agents) nor any of its Third Party Content Suppliers will have any liability to End User or any person to whom End User provides the Report and End User must not represent that Lotsearch or any of its Third Party Content Suppliers accepts liability to any such person or make any other representation to any such person on behalf of Lotsearch or any Third Party Content Supplier.
4. End User must not remove any copyright notices, trade marks, digital rights management information, other embedded information, disclaimers or limitations from the Report or authorise any person to do so.
5. End User acknowledges and agrees that Lotsearch and Third Party Content Suppliers retain ownership of all copyright, patent, design right (registered or unregistered), trade marks (registered or unregistered), database right or other data right, moral right or know how or any other intellectual property right in any Report or any other item, information or data included in or provided as part of a Report.
6. To the extent permitted by law and subject to paragraph 7, all implied terms, representations and warranties whether statutory or otherwise relating to the subject matter of these terms other than as expressly set out in these terms are excluded.
7. Subject to paragraph 8, Lotsearch excludes liability to End User for loss or damage of any kind, however caused, due to Lotsearch's negligence, breach of contract, breach of any law, in equity, under indemnities or otherwise, arising out of all acts, omissions and events whenever occurring.
8. Lotsearch acknowledges that if, under applicable State, Territory or Commonwealth law, End User is a consumer certain rights may be conferred on End User which cannot be excluded, restricted or modified. If so, and if that law applies to Lotsearch, then, Lotsearch's liability is limited to the greater of an amount equal to the cost of resupplying the Report and the maximum extent permitted under applicable laws.
9. Subject to paragraph 7, neither Lotsearch nor the End User is liable to the other for any indirect, incidental, consequential, special or exemplary damages arising out of or in relation to these terms.
10. These terms are subject to New South Wales law.



nation  
partners

SOLUTIONS FOR  
COMPLEX PROJECTS