

Ground Doctor Pty Ltd

Preliminary Site Investigation

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**1 Simmons Street
Wagga Wagga, NSW**

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**On Behalf Of:
Department of Planning Industry and Environment
Property NSW**



**1 October 2020
2020-GD010-RP2-FINAL**

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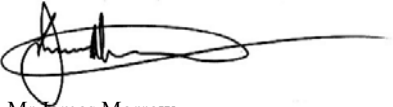


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1 Introduction

Ground Doctor Pty Ltd (Ground Doctor) was commissioned by the NSW Department of Planning, Industry and Environment (NSW DPIE) Property NSW to conduct a Preliminary Site Investigation of 1 Simmons Street, Wagga Wagga (the Site).

The Site was vacant at the time of the assessment but had previously been occupied by the NSW Roads and Maritime Services.

A development application (DA20/0080) has been lodged for “change of use to educational establishment (Riverina Conservatorium of Music) with internal and external alterations and signage”.

1.1 Proposed Development

A Statement of Environmental Effect (SEE) for the proposed development (Salverstro Planning, 2020) indicated that the proposed development included the following.

- Change of use from a public administration building to an educational establishment.
- Building refurbishment works to the existing administration building, located on the western portion of the subject Site, along Simmons Street.
- Minor demolition works including removal of temporary internal partitioning.
- Reconfiguration of rooms to provide teaching and learning, rehearsal and administration spaces.
- Wheelchair accessibility.
- Upgrade and maintenance to the external façade including new cladding and painting.
- Building identification signage.
- Upgrade to the roof to accommodate for a higher volume rehearsal space and plant area.
- Carparking reconfiguration.
- Upgrades to the street parking restrictions and signage.

1.2 Assessment Objectives

The objectives of the Preliminary Site Investigation were to collect data to establish a conceptual site model that could be used to assess the suitability of the Site for the proposed change of use. More specifically to do the following.

- Identify past and present land uses within the Site and within adjoining land.
- Identify potential sources of land contamination associated with past or present use of the Site and identify potential contaminants of concern associated with these activities.
- Assess the Site setting including land uses, subsurface conditions and the surrounding environment to allow identification of human and environmental receptors, potential fate and transport of potential contaminants and relevant exposure pathways.

- Assess the suitability of the Site for the proposed change of use with respect to potential human health impacts posed by potential land contamination (if present).

1.3 Scope of Work

To achieve the project objectives outlined above Ground Doctor completed the following work.

- Conducted a Site inspection to establish current conditions, surrounding land uses and potential human and environmental receptors located within or close to the Site.
- Reviewed and presented aerial photography of the Site dated 1944, 1953, 1966, 1971, 1980, 1990, 1997, 2009 and 2020.
- Obtained land titles records for the Site spanning a period 1923 to 2020, which outlined historical property transactions and property ownership records.
- Conducted a search of NSW Environment Protection Authority (EPA) database for notices pertaining to the Site under the Contaminated Land Management Act 1997.
- Conducted a search of NSW Environment Protection Authority (EPA) public register of licences, applications and notices made under the Protection of the Environment Operations (POEO) Act 1997, or records of NSW EPA regulated activities that do not require a license, related to the Site.
- Conducted a search of the NSW Water registered groundwater works database to identify groundwater works located within 1km of the Site.
- Conducted a search of the NSW SafeWork dangerous goods licensing database for records of dangerous goods storage within the Site.
- Reviewed available soil and geology maps to assess subsurface conditions within the Site.
- Review available documents outlining early site history.
- Reviewed existing reports for the Site that contained environmental data and information relevant to contaminated land assessment.
- Excavated test pits within areas of the Site suspected to contain underground petroleum storage systems (UPSS) to assess whether UPSS infrastructure remained in the subsurface.
- Collected samples of fill and soil encountered within UPSS investigation test pits for laboratory analysis for potential contaminants of concern to further characterise soil beneath the Site.
- Identified relevant human health and environmental risk pathways based on the proposed future use of the Site and identified potential contaminants of concern.
- Prepared this report which updated the findings of the Stage 1 Assessment and outlined the methodology and results of the Preliminary Stage 2 Assessment.

1.4 Limitations of this Report

The findings of this report are based on the Scope of Work outlined in *Section 1.3* and detailed in later sections of this report. Ground Doctor performed the services in a manner consistent with the normal level of care and expertise exercised by members of the environmental consulting profession. No warranties, express or implied are made.

The results of this assessment are based upon the information documented and presented in this report. All conclusions and recommendations regarding the Site are the professional opinions of Ground Doctor personnel involved with the project, subject to the qualifications made above. While normal assessments of data reliability have been made, Ground Doctor assumes no responsibility or liability for errors in any data obtained from regulatory agencies, statements from sources outside of Ground Doctor, or developments resulting from situations outside the scope of this project.

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2 Site Description

2.1 The Site

The Site is located at 1 Simmons Street, Wagga Wagga, NSW, which is described as Lot 1 DP 775220.

The Site location and boundary is shown in *Figure 1* of *Annex A*.

The Site occupies an area of approximately 4804m². The Site is bound by Simmons Street to the west, Johnston Street to the north, Wollundry Lagoon to the south and two residential properties to the east.

The Wagga Wagga Local Environment Plan (LEP) 2010 indicates that the Site is zoned “B3-Commercial Core”.

The “B3” zoning allows for a range of uses including educational facilities.

Site details are summarised in *Table 1*.

Table 1: Summary of Site Details

| | Description |
|---|---|
| Street Address: | 1 Simmons Street, Wagga Wagga, NSW, 2650 |
| Lot and DP Number: | Lot 1 DP 775220 |
| Local Government Area: | Wagga Wagga City Council |
| Zoning | B3 -Commercial Core |
| Geographical Coordinates (MGA94 Zone 55): | East 533388 North 6114795 (Approx. Site Centre) |

2.2 Site Layout and Features

A Site inspection was conducted by Mr James Morrow of Ground Doctor on 8 July 2020). Observations made during the Site inspection are detailed in *Section 3.4*.

The Site layout and features at the time of the inspection are marked on *Figure 1* of *Annex A*.

2.3 Adjoining Land-use

At the time of the Site inspection land use of the adjoining properties was as follows.

- Johnston Street was located to the north of the Site. A public primary school and residential dwellings were located on the northern side of Johnston Street close to the Site.
- Low density residential properties were located to the east of the Site.
- Wollundry Lagoon was located to the south of the Site.
- Simmons Street was located to the west of the Site. Low density residential properties were located on the western side of Simmons Street.

2.4 Topography and Hydrology

A property information search conducted by Lotsearch (see *Annex B*) provided a detailed topographic map for the Site and surrounds. The topographic map indicated that the surface elevation within the Site ranged from approximately 180m AHD to 182m AHD.

The most elevated parts of the Site were directly adjacent to Johnston Street. The Site had a gentle slope in a general north to south direction toward Wollundry Lagoon. The water level in Wollundry Lagoon was approximately 178m AHD.

Existing buildings appeared to have been built close to the pre-development surface elevation. Fill was identified to depths up to 3m in the southern portion of the Site (see *Section 4*). Filling was likely to have occurred to reclaim or level land adjacent to Wollundry Lagoon.

2.5 Geology and Soils

The Site is situated on the alluvial floodplain of the Murrumbidgee River.

The NSW DPIE eSpade website (<https://www.environment.nsw.gov.au/eSpade2WebApp> 28 July 2020) indicates that the Site is situated on the Kurrajong Plain soil landscape. This soil landscape is described as “*thick (mostly >20m) Cainozoic alluvial sediment sequences, silty clay on top 5-8m and sand, gravel and clay at depth*”. A borelog for the nearest identified registered groundwater work (See *Section 2.6*) indicates that the alluvium is at least 60m deep close to the Site.

The geology map “*Wagga Wagga 1:250000 Geological Series Sheet S1 55-15 (1966)*” indicated that alluvium beneath the Site was most likely underlain by “*Wantabadgery Granite*”.

Aitken and Rowe (2018) presents the results of a geotechnical assessment conducted at the Site in 2018. The findings of the assessment are discussed in more detail in *Section 4.3*. Boreholes drilled at the Site as part of the assessment encountered alluvium to the maximum depth of 8m below ground level.

2.6 Hydrogeology

The Site is situated on the alluvial plains of the Murrumbidgee River. The Murrumbidgee alluvium is a highly productive and high quality water source. The alluvium is comprised of clay, silt, sand and gravel. Groundwater is typically encountered in sand and gravel lenses within the alluvium at depths greater than 10m below ground level.

The Lotsearch property report (see *Annex B*) identified registered groundwater works within a 2km radius of the Site. Over 100 registered bores were identified in the search area. The identified bores and a summary of groundwater works details are presented in the Lotsearch Property Report (*Annex B*).

Information identified in the search indicated that groundwater works within 2km of the Site were registered for a range of uses including town water supply, monitoring, domestic supply, stock watering, irrigation, recreation, industrial and waste disposal.

Details for groundwater works located within an approximate 600m radius of the Site are summarised in *Table 2*.

Standing water levels for the ten closest groundwater works to the Site ranged from 3m to 14m below ground level. The shallowest standing water level was observed at GW025777, which was located close to Wollundry Lagoon.

Groundwater beneath the Site would be expected to be similar to the water level within Wollundry Lagoon. Shallow groundwater is most likely present in low permeability clayey soil. More productive sand and gravel layers would be present at depth.

It is inferred that there would be a localised groundwater flow toward the Wollundry Lagoon influenced by recharge from elevated ground to the north of the Site. The regional flow of groundwater within the Murrumbidgee Alluvium would be expected to be from east to west consistent with the direction of regional surface water flow along the River valley.

The closest domestic bore was located approximately 189m north of the Site. The closest irrigation (or recreation) bore was located 587m south west of the Site.

Aitken and Rowe (2018) presents the results of a geotechnical assessment conducted at the Site in 2018. The findings of the assessment are discussed in more detail in *Section 4.3*. Aitken and Rowe (2018) notes seepage of water into boreholes from depths as shallow as 3m, indicating groundwater elevation would likely be equivalent to the water level within Wollundry Lagoon.

Table 2: Summary of Registered Groundwater Works within 600m

| Bore ID | Distance From Site (m) | Direction | Depth (m bgl) | SWL (m BGL) | Uppermost Water Bearing Zone | Registered Use |
|----------|------------------------|------------|---------------|-------------|------------------------------|---------------------------|
| GW416922 | 189m | North | 59.0m | 13.7m | 56-59m (Sand) | Domestic |
| GW032923 | 279m | North | 11.6m | - | 9.8m (Sand and Gravel) | Waste Disposal / Drainage |
| GW414447 | 432m | East | 14.0m | - | 12-14m (Sandy Gravel) | Monitoring |
| GW414487 | 450m | East | 15.1m | 11.6m | 6.8-8.0m (Clay) | Monitoring |
| GW416294 | 458m | East | 16.0m | - | 14-16m (Clay) | Monitoring |
| GW414292 | 468m | East | 20.5m | 10.6m | 11.6-12.5m (Clay) | Monitoring |
| GW414485 | 468m | East | 20.5m | 11.4m | 9.5-12.5m (Gravelly Clay) | Monitoring |
| GW414488 | 481m | East | 19.4m | 11.2m | 14-19m (Gravel) | Monitoring |
| GW025777 | 575m | South West | 9.1m | 3.0m | 4.6-9.2m (Loam and Gravel) | Domestic |
| GW401806 | 587m | South West | 58.6m | 13.8m | 10-37m (Sand and Gravel) | Recreation / Irrigation |

2.7 Sensitive Environments

The Site adjoined Wollundry Lagoon which is used as outdoor recreational open space. The Murrumbidgee River is located approximately 600m to the north west at its closest point to the Site.

The Murrumbidgee River and groundwater within the Murrumbidgee Alluvium is the primary water supply for the region. Groundwater within alluvium underlying the Site would be expected to interact with surface water in Wollundry Lagoon and within the Murrumbidgee River.

The nearest identified domestic water supply bore to the Site was located approximately 189m to the north of the Site. The nearest high volume production bore was located approximately 587m to the south west of the Site.

Low density residential properties adjoin the eastern Site boundary and are located to the north and west of the Site. A primary school is located approximately 30m north of the Site.

3 Site History and Relevant Information

3.1 Wagga Wagga Heritage Report

Peter Freeman Pty Ltd (2002) presents the results of an urban heritage study conducted on behalf of Wagga Wagga City Council. The report presents the known history of European settlement within the City. It includes two references to the Site. Section 3 of the heritage report states the following.

“George Wildman erected a brewery on the banks of Wollundry Lagoon at the extreme western end of Johnston Street. It was taken over Eaton and Co in the late 1880s. By 1891 the brewery was managed by W. S. Eaton's son, William Henry Eaton, and A. R. Tewkesbury, and, by 1904, by W. S. Eaton's son-in-law, H. S. Headley. It is now the Site of Roads and Traffic Authority offices.”

A sketch of Wagga Wagga dated 1883 depicts the brewery at low detail but appears to show brewery buildings occupying the whole Site (see *Annex E*).

Section 3 of the heritage report also states the following.

“The population was also served by a number of smaller private hospitals and maternity homes, some of them long established, including St Elmo in Morrow Street [1890s, now The Manor Restaurant]; Welwyn, established by Doctors Martin and Weedon in 1923 [demolished, 1980s];”

Historical photographs taken from the heritage report are presented in *Annex E*.

3.2 Statement of Environmental Effects

The SEE for the proposed development (Salvestro Planning, 2020) provides the following summary of Site history.

The Site was occupied by the Eaton/Headley Brewery between 1871 and 1924.

Welwyn Private Hospital was established on the Site from 1924 to 1946.

The Site was then acquired by the former Department of Main Roads (DMR) (to become RTA and RMS in time) from 1946 up until 2016. During this time the former Welwyn Hospital building was converted to the Divisional Office. The Laboratory testing buildings were completed in the early to mid 1970s.

In the early to mid 1980s, the new Divisional Office was constructed in the north west portion of the Site. The former hospital building was then demolished and converted to on-grade parking facilities for the Site.

The Site was previously zoned 5-Special Uses (RTA) under the former LEP 1985. The land was zoned B3 Commercial Core under the subsequent LEP 2010.

Council records indicated that the Site had been subject to a number of development applications that were approved and carried out as summarised in *Table 3*.

The original 1979 development approval for the current building included a condition requiring the dedication of a 10 foot (3 metre) wide walkway along the lagoon foreshore and a contribution towards the construction of a concrete footpath within the walkway.

Table 3: Summary of Wagga Wagga Council Development Records

| DA | Date Approved | Description |
|--------------|---------------|--|
| BA397/65 | 14/09/1965 | Erection of dwelling. |
| DA67/79(DCU) | 14/03/1979 | To erect new office block two storey brick construction (Divisional Office). |
| DA155/86 | 18/09/1986 | Proposed subdivision, demolition of shed and construction of car parking facilities. |
| DA256/89 | 14/12/1989 | Proposed demolition of existing brick storage building, extension to existing laboratory building. |
| DA98/0135 | 18/09/1998 | Painting of building in Conservation Area. |

Historical photographs sourced from the SEE are presented in *Annex E*.

3.3 Land Title Records

A search of land titles records was undertaken by Advanced Legal Searchers on behalf of Ground Doctor. The search retrieved property records dated back to 1923. Results of the search are presented as *Annex C*.

The land title arrangement prior to 1923 were not presented in the report. Historical information indicates that the former Eaton Brewery occupied the whole Site during its period of operation (circa 1871 to 1923).

At the commencement of the search interval (1923) the Site was comprised of three parcels of land. The approximate former lot boundaries are marked in *Figure 2* of *Annex A*. The southern half of the Site was part of one lot. The northern half of the Site was split over two lots.

The southern portion of the Site was purchased by the NSW Government (Commissioner for Main Roads) in 1946. The north east corner of the Site was purchased by the NSW Government (Commissioner for Main Roads) in 1964. The north west corner of the Site was purchased by the NSW Government (Commissioner for Main Roads) in 1974. The whole Site was consolidated into one land title (Lot 1 DP 775920) in 1988 and has remained under NSW Government ownership since then.

Property ownership records and historical aerial photography (see *Section 3.5*) suggest that the northern half of the Site was most likely used for residential purposes (low density) up until the two parcels of land were acquired by the NSW government in 1964 and 1974. The southern portion of the Site had been used as a private hospital until it was acquired by the NSW government in 1946.

3.4 Site Inspection

The Site was inspected by Ground Doctor's Environmental Engineer, Mr James Morrow, on 8 July 2020.

The Site layout shown in *Figure 1* of *Annex A* is based on observations made during the Site inspection.

The Site was accessed via an asphalt sealed driveway from the southern end of Simmons Street. The southern portion of the Site was open space that was predominantly asphalt sealed car parking space and driveway. Thin strips of grassed open space were located between sealed parking area, and between the parking areas and Wollundry Lagoon to the south.

A two storey office building occupied the north west corner of the Site. The building featured central heating and cooling with a plant room located at ground level in the eastern wing of the building. Heating and cooling systems appeared to be powered by gas and electricity.

A single storey laboratory building occupied the north east portion of the Site. The southern part of the laboratory building included a two vehicle garage, storage and electrical switchboards. The

northern portion of the building was configured as a laboratory. What appeared to be a former plant room was present in the north east corner of the building. At the time of the Site assessment the suspected former plant room had been converted to internal space forming part of the laboratory. Gas and water services were located adjacent to the north east corner of the laboratory building.

A concrete sealed delivery area was located at the southern end of the laboratory building. This area was sheltered by a metal awning attached to the Laboratory. Awnings were also located along the eastern side of the laboratory and sheltered hardstand areas used for parking and as a loading bay.

A vent pipe, typical of a vent for an underground storage tank (UST) that is part of an UPSS, was mounted to the north east corner of the laboratory building. The presence of a vent pipe indicates that a UST may be present at the Site. A tank fill and/or dip point could not be located in the area surrounding the vent pipe. Review of Safework NSW dangerous Goods Licensing Records (see *Section 3.6*) indicates that the UST associated with the vent had been decommissioned by removal.

A small brick building was situated between the laboratory and the eastern Site boundary. This building was inaccessible at the time of the Site inspection but appeared to be utilised as a laboratory, or as storage for the laboratory. Vehicle wash bay adjoined the southern end of this building. The wash bay was sheltered by metal awning. The vehicle wash bay was concrete sealed and drained to a centrally located wastewater collection point. A wastewater treatment system was located adjacent to the eastern Site boundary on the southern side of the wash bay and was inferred to treat wash water from the wash bay.

Photographs taken during the Site inspection are presented in *Annex E*.

3.5 Aerial Photography Review

Ground Doctor reviewed aerial photographs of the Site dated 1944, 1953, 1966, 1971, 1980, 1990, 1997, 2009 and 2020. The photographs reviewed are presented in the Lotsearch Property Report (*Annex B*).

3.5.1 The Site

The aerial photograph record commences in 1944. The 1944 aerial photograph is grainy. Basic outlines of buildings can be made out. The Site layout in the 1944 aerial photograph appears consistent with that in the 1953 photograph, which is much better quality, and shows Site features in good detail.

In the 1953 aerial photograph the northern half of the Site appears to be occupied by three low density residential properties each fronting Johnston Street. In each property, the dwelling is located in the northern portion of the block and the southern portion of the lot appears to be occupied by gardens, open space and small outbuildings. A long rectangular building is located along the eastern boundary and appears to be a garage or shed associated with the easternmost residence.

The residential property in the north west corner of the Site appears to have access to a rectangular garage from Simmons Street.

The southern portion of the Site is occupied by the Department of Main Roads at the time of the photo. The southern portion of the Site is accessed from Simmons Street. A large building (believed to be the former private hospital building) is located in the central western portion of the lot. The eastern portion of the lot appears to be occupied by driveway providing rear access and parking, gardens and open space. Two rectangular building are present to the east of the main building and are most likely to be garages and storage sheds. A small garage is also located on the north west side of the former hospital building.

The 1966 aerial photo is grainy, but the Site appears to have the same basic configuration as in the 1944 and 1953 photographs. Additional driveway appears to have replaced garden areas in the south east corner of the Site.

The 1971 shows changes to the Site layout since the time of the 1966 aerial photograph. Two dwellings in the north east portion of the Site have been removed and replaced by the existing (2020) laboratory buildings. The former Welwyn Hospital building remains in the southern portion of the Site. Two small buildings to the east of the former Welwyn Hospital building have been removed and there is additional driveway and/or parking area on the eastern side of the former hospital building and the newly constructed laboratory buildings. A residential dwelling remains in the north west portion of the Site.

In the 1980 aerial photograph, the residential dwelling in the north west portion of the Site has been removed and appears to be open space. The remained of the Site appears consistent with the layout visible in the 1971 photograph.

In the 1990 aerial photograph the Site appears similar to the present day (2020) layout. The former Welwyn Hospital building has been removed. The existing two storey office building has been constructed in the western portion of the Site. Sealed car parking has been established in the south east portion of the Site.

There are no notable differences in the Site layout in the 1997 and 1990 aerial photographs.

In the 2009 aerial photograph a car wash bay has been established in the north east corner of the Site. A narrow structure is present in the eastern corner of the Site. This structure is no longer present in the 2020 aerial photograph.

In the 2020 aerial photograph the Site appears consistent with observations made at the time of the Site inspection.

3.5.2 Adjacent Land Use

Aerial photographs indicate very little change to the surrounding land use during the period 1944 to 2020. The residential properties in areas surrounding the Site are established and appear for the most part consistent with present day use. The public school to the north of the Site is present in all aerial photographs and is also largely unchanged in the series of aerial photographs. Wollundry Lagoon is present in all aerial photographs.

3.6 SafeWork NSW Dangerous Goods License Search

Ground Doctor conducted a search of the SafeWork NSW dangerous goods licencing records pertaining to the Site. A copy of the search result is presented as *Annex D*.

Records identified included the following.

- In 1947 Department of Main Roads made an application to install a 500 Gallon underground storage tank and bowser for storage and dispensing of mineral spirit (petrol). The Site plan indicates that the tank was to be located 3 feet 6 inches east of the former garage. The building in the sketch are visible in the 1953 aerial photograph at the rear of the former Hospital building. An object that is likely to be the fuel dispenser is visible in the 1953 aerial photograph in the sketched location.
- A Site plan dated 1980 shows a UPSS was present at the rear of the former Department of Main Roads building (former Welwyn Hospital Building). Notation on the Site sketch show the location of an existing UST and dispenser and the proposed location of a replacement UST and dispenser a small distance to the east. This record is dated at about the time the old office building was demolished to make way for the existing two storey office building. It is possible that an old UPSS was replaced at the time.
- A record dated 1986 is an application to amend a dangerous goods licence. The application appears to be requesting increased storage volume to 10,000L, presumably on the basis that a larger tank was to be installed at the Site. A plan that appears to correspond to the record

shows a UST and dispenser located approximately 6m south of the south east corner of the Laboratory Building Carport.

- A record dated 8 May 1995 is correspondence from the NSW Roads and Traffic Authority (RTA) to WorkCover advising that a UPSS has been removed from the Site. It is not clear which UPSS is being referred to in the correspondence.
- Records contained a “Tank Pit Environmental Report” dated 27 September 1995 that was prepared by Groundwater Technology. The report describes decommissioning and subsequent soil validation assessment around a former heating oil tank located in the north east corner of the Site. It is inferred that the UST vent identified by Ground Doctor in this area of the Site is likely associated with the previously decommissioned tank. This report is dated later than the above-mentioned correspondence from the NSW RTA to WorkCover. On this basis it is assumed the decommissioning referred to in the 8 May 1995 letter was not the work reported by Groundwater Technology on 27 September 1995.

Estimated locations of former UPSS based on SafeWork sketch maps are marked on *Figure 3 of Annex A*. The locations had been inferred using historical aerial photographs and features and measurements shown on the Site maps presented in the SafeWork records.

As outlined in *Section 4.2*, Prensa (2016) conducted a ground penetrating radar (GPR) survey of the Site. Prensa (2016) identified two areas where they believed USTs remained at the Site and identified three locations where they believed tanks had previously been removed. Results of the Prensa GPR survey are summarised in *Figure 4 of Annex A*.

3.7 NSW EPA Notified Contaminated Sites

Ground Doctor conducted a search of the NSW EPA list of Sites notified under Section 60 of the Contaminated Land Management (CLM) Act 1997. The search was conducted on 9 July 2020. There were no notifications listed for the Site or within a 500m radius of the Site.

Ground Doctor conducted a search of the NSW EPA list of Sites for which orders or notices have been made under the provisions of the Contaminated Land Management (CLM) Act 1997. The search was conducted on 9 July 2020. There were no records identified for the Site or the area within a 500m radius of the Site.

3.8 Protection of the Environment Operations Act 1997 Registers

The NSW EPA maintains a list of activities which are licensed under the Protection of the Environment Operations (POEO) Act 1997. There were no licensed activities within the Site or within a 500m radius of the Site.

There were no previously licensed activities within the Site or within a 500m radius of the Site.

The search was conducted on 9 July 2020.

3.9 Other Searches Relevant to Contaminated Land Assessment

The Lotsearch Property Report (presented as *Annex B*) included an assessment of a number of relevant databases. The report provided the following information relevant to this assessment.

- There were no former gasworks within 500m of the Site. A former Gasworks was located approximately 530m east of the Site.
- There were no registered liquid fuel storage Sites within 500m of the Site.

- The Site was not within a NSW EPA, Department of Defence or Air Services Australia PFAS Investigation Area. The nearest PFAS investigation area was located approximately 1700m south east of the Site.
- Based on a search of a UBD street directories database the nearest service station or former service station is located approximately 220m to the north east of the Site.

3.10 Naturally Occurring Asbestos

The Site is situated on deep alluvial soil associated with the Murrumbidgee River. Naturally occurring asbestos is not a concern within the Site setting.

3.11 Section 10.7 Planning Certificate

Ground Doctor obtained a copy of the Section 10.7 Planning Certificate for the Site from Wagga Wagga City Council. The Planning Certificate is presented as *Annex F*.

The Planning Certificate indicates that as of 8 July 2020 Wagga Wagga City Council has not received notice under the Contaminated Land Management Act 1997 (the Act) that:

- the land is listed on the State Register for significantly contaminated land,
- the land is subject to a management order within the meaning of the Act,
- the land is subject of an approved voluntary management proposal within the meaning of the Act,
- the land is subject to an ongoing maintenance order within the meaning of the Act, or
- the land is the subject of a Site audit statement within the meaning of the Act.

4 Previous Reports

4.1 Pensa Preliminary Site Investigation 2016

Pensa (2016a) presents the results of a Preliminary Site Investigation conducted by them in mid-2016. The assessment results are relatively consistent with information presented in this report. The Site was in use at the time of the Pensa assessment. Pensa (2016a) identified some small quantities of typical household chemicals in a dedicated storage area within the Laboratory building. Evidence of chemical storage was also identified in a small shed located along the eastern Site boundary. This shed did not exist at the time of the Ground Doctor Site inspection.

An electrical transformer was identified in the north east corner of the Site. Oil staining was identified on surface soil adjacent to the transformer. The transformer identified by Pensa in 2016 was no longer present at the Site during Ground Doctors Site Inspection.

Pensa (2016a) obtained dangerous good licensing records for the Site and identified five potential UPSS areas. A Detailed Site Investigation was recommended on this basis and potential for contamination to be present around the identified electrical transformer.

4.2 Pensa Detailed Site Investigation 2016

Pensa (2016b) presents the results of a Detailed Site Investigation (DSI) conducted by them in late 2016.

The DSI included the following work.

- Pensa conducted a ground penetrating radar survey of suspected UPSS areas within the Site to assess whether USTs remain.
- Eight boreholes were drilled to assess soil. Boreholes were located around suspected and identified UPSS areas of the Site and adjacent to an electrical transformer located in the north east corner of the Site. Boreholes adjacent to USTs, or suspected former UST locations were advanced to depths ranging from 2.6m to 4.0m. The borehole adjacent to the electrical transformer was advanced to 0.5m below ground level.
- Soil samples were screened in the field for the presence of volatile organic compound (VOCs) using a photo-ionisation detector (PID).
- At least one soil sample from each borehole was selected for laboratory analysis for contaminants of concern related to storage of petroleum hydrocarbons (TRH, BTEX, PAHs and lead). Soil samples collected adjacent to the electrical transformer were also analysed for phenols and polychlorinated biphenyls (PCBs).

Based on the results of the GPR survey Pensa (2016b) concluded that it was likely that two USTs remained at the Site. Pensa (2016b) indicated that the GPR survey identified three former tank pits that did not contain a UST. These results are shown in *Figure 4 of Annex A*.

Ground Doctor reviewed Pensa (2016b) borelogs. Borehole depths, observed depth of fill, observation of synthetic materials in fill and depth of samples that were analysed for potential contaminants of concern are summarised in *Table 4*.

Fill was encountered in all boreholes to depths ranging from 0.5m to 2.5m. Glass and/or brick fragments were noted to be present in fill in most boreholes. A notable glass layer was present between 0.6m and 1.0m at BH3.

PID readings were less than 2ppm in all field screened soil samples.

Table 4: Summary of Prensa (2016b) Borehole Observation and Sampling Depths

| Borehole ID | Depth of Borehole | Depth of Fill | PID Readings | Analysed Sample Depths | Observations in Fill |
|-------------|-------------------|---------------|--------------|------------------------|---|
| BH1 | 4.0m | 0.9m | 0-1ppm | 1.0m | No synthetic material noted in fill. |
| BH2 | 3.8m | 2.2m | 1-2ppm | 3.0m | Minor glass and brick content 0.1-1.1m. Glass and brick inclusions 1.1-1.6m. |
| BH3 | 3.3m | 2.5m | 0-1ppm | 3.3m | Brick, glass and plastic in fill 0.1-0.6m. Significant glass layer 0.6-1.0m. Some glass in fill 1.0-2.5m. |
| BH4 | 4.0m | 0.9m | 0-1ppm | 1.0m | Brick and glass in fill 0.1-0.5m |
| BH5 | 3.6m | 1.1m | 0-1ppm | 2.0m | Brick fragments in fill 0-0.5m. |
| BH6 | 2.6m | 0.8m | 0-1ppm | 2.6m | Minor brick fragments in fill 0-0.8m |
| BH7 | 3.2m | 0.9m | 0-1ppm | 3.2m | No synthetic material noted in fill. |
| BH8 | 0.5m | 0.5m | 0-1ppm | 0.1m 0.3m 0.5m | Brick fragments in fill 0.3-0.5m. |

Laboratory results for soil samples collected by Prensa (2016b) indicated that concentrations of potential contaminants of concern were less than the PQL and the adopted assessment criteria adjacent to suspected or former UPSS locations.

Hydrocarbon impacts were identified in surface soil adjacent to the former transformer, but these were not detected at a depth of 0.3m, indicating they were superficial only.

Ground Doctor notes the relatively limited depth of boreholes in what is described as sandy soil. The base of a 10,000L UST excavation would typically be at least 2.8m below ground level. If sandy soil is present petroleum hydrocarbons may migrate vertically beneath the UST. Most boreholes only exceeded the likely base depth of the USTs by less than 1m and may have missed contamination at depth, if present.

4.3 Geotechnical Assessment Report 2018

Aitken Rowe Testing Laboratories (ARTL) Pty Ltd (2018) reports the results of a “Geotechnical Investigation – Proposed Riverina Conservatorium of Music Development, No. 1 Simmons Street, Wagga Wagga, NSW”.

The assessment included the following work.

- Drilling of boreholes at 18 locations to a depth of approximately 8m below ground level.
- Collection of soil samples with subsequent laboratory analysis for a general suite of contaminants of concern which included Total Recoverable Hydrocarbons (TRH), benzene, toluene, ethylbenzene, xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc), pH and electrical conductivity. Twenty-nine soil samples were analysed including at least one sample from each borehole. Samples for analysis targeted fill at each sampling location.

Sampling and analysis of soil for potential contaminants of concern was based on potential future classification of soil for off-Site disposal as “excavated natural material”, rather than for the purpose of contaminated land assessment.

Soil boreholes were located in accessible areas around the perimeters of the existing buildings and provided good coverage of the areas outside of building footprints.

Ground Doctor reviewed ARTL (2018) borelogs. Borehole depths, observed depth of fill, observation of synthetic materials in fill and depth of samples that were analysed for potential contaminants of concern are summarised in *Table 5*.

Table 5: Summary of ARTL 2018 Borehole Observation and Sampling Depths

| Borehole ID | Depth of Borehole | Depth of Fill | Analysed Sample Depths | Observations in Fill |
|-------------|-------------------|---------------|--|--|
| BH1 | 8.0m | 0.9m | 0.4-0.7m | No synthetic material noted in fill. |
| BH2 | 8.0m | 0.6m | 1.0-1.3m | No synthetic material noted in fill. |
| BH3 | 8.0m | 2.0m | 0.3-0.6m | No synthetic material noted in fill. |
| BH4 | 7.9m | 1.3m | 0.1-0.5m | No synthetic material noted in fill. |
| BH5 | 8.0m | 0.5m | 0.1-0.5m | No synthetic material noted in fill. |
| BH6 | 8.0m | 0.7m | 0.1-0.3m | No synthetic material noted in fill. |
| BH7 | 8.0m | 0.9m | 0.5-0.7m 1.5-1.8m 3.0-3.3m | No synthetic material noted in fill. |
| BH8 | 8.0m | 1.1m | 0.2-0.5m | No synthetic material noted in fill. |
| BH9 | 8.0m | 2.5m | 0.3-0.5m 1.1-1.5m 2.9-3.3m 4.6-4.9m | Glass identified in fill 0.8-2.0m. |
| BH10 | 8.0m | 1.5m | 0.1-0.4m 1.1-1.4m 3.0-3.3m | No synthetic material noted in fill. |
| BH11 | 8.0m | 1.5m | 0.8-1.0m | No synthetic material noted in fill. |
| BH12 | 8.0m | 2.2m | 0.7-1.0m | No synthetic material noted in fill. |
| BH13 | 8.0m | 1.7m | 0.1-0.3m | Glass and wire identified in fill 0.5-1.7m |
| BH14 | 8.0m | 3.0m | 0.3-0.6m 2.2-2.5m | Glass identified in fill 1.5-3.0m. |
| BH15 | 8.0m | 2.0m | 0.5-0.8m | Glass identified in fill 0.3-2.0m. |
| BH16 | 8.0m | 0.6m | 0.1-0.3m | No synthetic material noted in fill. |
| BH17 | 8.0m | 0.8m | 0.2-0.8m | No synthetic material noted in fill. |
| BH18 | 8.0m | 2.0m | 0.1-0.3m 0.8-1.3m 2.4-2.8m 2.9-3.3m | Glass identified in fill 0.4-2.0m. |

Fill was encountered in all boreholes to depths ranging from 0.5m to 3.0m. Fill was typically deepest in the southern portion of the Site, close to Wollundry Lagoon. The ARTL observations indicate filling was likely to have historically occurred close to the Wollundry Lagoon, presumably to reclaim or level boggy land at the edges of the Lagoon.

Glass was observed in fill in boreholes located close to the Lagoon. The presence of glass may indicate that filling of the Site occurred when the Site was occupied by a brewery (i.e. in the period between 1871 and 1923). If filling had occurred during this period, then it was unlikely to contain more recent industrial chemicals.

ARTL (2018) did not present a summary of analytical results. Ground Doctor reviewed the analytical data contained in the laboratory certificate analysis. Reported contaminants concentrations were compared against NEPM (2013) Tier 1 HILA and HSLA thresholds for the protection of human health. These thresholds are the most conservative and were adopted as a preliminary assessment criteria.

Analytical results are summarised as follows.

- TRH and BTEX were not detected in any soil sample. The Practical Quantification Limits (PQLs) reported by the lab were less than the relevant HSLA thresholds for assessing potential vapour intrusion, and ESLs and Management Limits for residential land or public open space.

- Reported PAH concentrations were less than the relevant HILA thresholds. PAHs were detected in several samples but at concentrations that were low relative to the relevant HILA thresholds.
- Reported concentrations of arsenic, cadmium, chromium, copper, mercury, nickel and zinc were less than the HILA thresholds.
- The reported lead concentrations in 26 of 29 samples analysed were less than the HILA threshold (300mg/kg). The reported lead concentrations in samples BH12 (0.7-1.0m), BH14 (2.2-2.5m) and BH17 (0.2-0.8m) were 580mg/kg, 790mg/kg and 310mg/kg respectively.
- The Site settings scenarios outlined in Schedule B7 of the NEPM (2013) indicate that HILC is a more appropriate threshold to adopt for secondary schools. The HILC threshold for lead is 600mg/kg. Only one analytical result for lead marginally exceeds the HILC threshold. It is anticipated that statistical analysis could be used to demonstrate that the 95% upper confidence limit (95% UCL) of the average lead concentration would be less than the HILC threshold.

Ground Doctor noted that the assessment had a geotechnical engineering focus. Sample analysis was conducted for the purpose of waste classification of soil rather than to characterise potential contamination. A rationale for sampling and analytical strategy was not provided in the report. The report did not outline quality control measures implemented to ensure representative data was collected. Notwithstanding, the sampling pattern provided good coverage of the Site and was appropriate to characterise the depth of fill and potential presence of non-volatile contaminants of concern in fill and the results indicate low potential for unacceptable contamination to be present. The NSW EPA (1995) Sampling Design Guidelines recommend a minimum of 13 soil sampling locations when assessing a Site that is 0.5ha in area. The number of sampling locations (18) exceeded the minimum number of sampling locations recommended.

5 Potential Areas of Environmental Concern

Ground Doctor initially identified potential areas of environmental concern within the Site based on the information presented in *Sections 2, 3 and 4*. Potential areas of environmental concern are discussed in *Table 6*.

Ground Doctor conducted intrusive investigation of suspected UPSS areas of the Site in September 2020. The methodology and results of the assessment are detailed in *Section 6*. The investigation focussed on identifying UPSS infrastructure within suspected UPSS areas. The works undertaken also provided additional information on the nature of filling at the Site. Outcomes of the UPSS investigation are described in the relevant parts of *Table 6*.

Table 6: Summary of Potential Areas of Environmental Concern

| Potential Area of Concern | Summary of Issue | Potential Contaminants of Concern | Potential Area of Impact |
|---------------------------|--|---|--|
| Former UPSS Locations | <p>NSW SafeWork Dangerous Good Licencing records indicate that up to 5 USTs may have been located within the Site since 1947. Results of a Prensa (2016b) GPR survey indicate that two USTs may remain on-Site, while USTs appear to have been removed from three other suspected locations. (see <i>Figure 3</i> and <i>Figure 4</i> of Annex A).</p> <p>Prensa (2016b) concluded that there were no significant petroleum hydrocarbon impacts in soil around the former UST locations.</p> <p>Outcome</p> <p><i>Section 6</i> of this report outlines an investigation undertaken by Ground Doctor to assess whether UPSS infrastructure remained at the site. Test pits were excavated in suspected UST locations identified by Prensa (2016b), and other areas where UPSS infrastructure may exist based on SafeWork records, aerial photography and geophysical investigation. With the exception of one former remote fill line, no UPSS infrastructure was identified during the assessment. Available information indicates that USTs no longer remain at the Site.</p> | TRH, BTEX, PAHs, lead | <p>Soil surrounding and beneath USTs and associated pipework.</p> <p>Underlying groundwater.</p> <p>Soil vapour if soil and/or groundwater has been impacted.</p> <p>Soil assessment works undertaken by Prensa (2016b), which specifically targeted former UPSS locations, and subsequent assessment by ARTL (2018) did not identify any significant petroleum hydrocarbon impacts in soil.</p> |
| Filling | <p>Prensa (2016b) and ARTL (2018) indicate that filling is present in most locations across the Site and is most prevalent in southern areas of the Site close to Wollundry Lagoon. Fill was observed to contain glass and brick fragments in several of the previous soil investigation locations.</p> <p>Analytical results for samples of fill (ARTL (2018) reported concentrations of TRH, BTEX, PAHs and metals that were below relevant human health risk assessment thresholds for contaminated land assessment. The results indicate that filling is most likely free of significant chemical contamination. Aesthetic impacts may be unacceptable based on identification of brick and glass in several locations.</p> <p>Asbestos containing material was not identified by ARTL (2018) or Prensa (2016b).</p> <p>Former Brewery</p> <p>The Site was a brewery from circa 1871 to 1923. This period pre-dates the use of most industrial chemicals that are commonly assessed in contaminated land assessments. It is likely that energy was supplied to the former brewery by burning of timber or coal. Waste ash from on-Site energy generation may have been disposed on-Site.</p> <p>Glass and brick were identified in fill in many of the previous assessment locations. Wire was also identified in one borehole. It is possible that filling occurred in the southern portion of the Site whilst the Site operated as a brewery. In this case fill is likely to be mostly benign from a chemical contaminant point of view, but may contain products of combustion, or incomplete combustion such as PAHs.</p> <p>Existing data (ARTL, 2018) did not identify significant TRH, BTEX, PAHs or heavy metals impacts in soil assessed at 18 locations across the Site.</p> <p>Presence of glass in fill indicates that the observed filling may have occurred early in the Sites history. The Site was a brewery from circa 1871 to 1923.</p> <p>Former Hospital</p> <p>A private hospital was situated in the southern portion of the Site from 1923 to 1946.</p> <p>Hospital Sites commonly include areas of improper waste burial or incineration. This is considered a low possibility as the hospital within the Site was on a small block of land in an established residential area with limited open space for burial of waste.</p> <p>Outcome</p> <p><i>Section 6</i> of this report outlines an investigation undertaken by Ground Doctor to assess whether UPSS infrastructure remained at the site. Test pits were excavated in several locations in the southern portion of the Site. The test pits exposed fill which included old brick footings, glass bottles and ashly fines as well as some other metal and building waste. Small fragments of bonded ACM were identified in fill two locations.</p> | TRH, BTEX, PAHs, Metals, Asbestos Aesthetic Impacts. | Filled Areas of the Site. |

TRH = total recoverable hydrocarbons. BTEX = benzene, toluene, ethylbenzene, xylenes. PAHs = polycyclic aromatic hydrocarbons.

6 UPSS Investigation

Suspected UPSS areas were investigated by Ground Doctor on 7 and 8 September 2020.

UPSS typically include the following features.

- One or more USTs with at least one access for filling and/or gauging.
- One or more fuel dispensers.
- One or more fuel suction lines which run between USTs and fuel dispensers.
- One vent line per UST, or per UST compartment (if the tank contains multiple compartments).
- Electricity to power fuel dispenser.
- Remote fill points and lines (not always present).

There were no identifiable UPSS features at the ground surface at the Site at the time of investigation. Locations for investigation were based on information reported by Presna (2016b), SafeWork NSW dangerous goods records and historical aerial photographs.

USTs are typically buried with approximately 0.6m of cover over the top of the tank. Fuel lines and vent lines are attached to the top of the UST and are therefore typically encountered between 0m and 0.6m below ground level. Tank access points for filling and/or gauging are typically located at the ground surface.

6.1 Geophysics Survey

A Telstra accredited underground service locator (Tim Barnes Communications) was engaged to conduct a geophysical survey of the suspected UPSS area. This included a GPR survey and use of other underground service location equipment to identify pipework that may have been associated with an existing or previously decommissioned UPSS.

A GPR was used to scan suspected UPSS locations. The GPR survey concentrated on areas of the Site where Presna (2016b) reported that USTs, or backfilled former UST excavations, existed. These areas corresponded with sketches of former UPSS contained within SafeWork NSW dangerous goods records (see *Section 3.6*).

The GPR identified subsurface anomalies in similar locations to those reported by Presna (2016b). These locations were marked for intrusive investigation.

Service location equipment was also used to scan suspected UPSS locations. Service location equipment was used to trace metal lines encountered at some test pit locations. These scans identified metal conduit (likely to have housed electrical cables) in some locations.

6.2 Test Pits and Probing

GPR is useful for identifying inconsistencies in the subsurface. This can include the presence of a buried objects or the presence of fill, or changes in soil type. GPR results require verification with intrusive investigation to assess what has caused the GPR signal to vary.

Test pits were excavated in the suspected UPSS areas reported by Presna (2016b) and where GPR anomalies had been identified.

Figure 5 of Annex A shows an overview of test pit locations relative to the Site features. Test pit logs are presented as Annex I.

6.2.1 UPSS Investigation Area 1

UPSS Investigation Area 1 was located along the eastern Site boundary and targeted the marked location of a UPSS sketched in a 1947 SafeWork NSW dangerous goods record. Five test pits (TP1-TP5) were excavated in this area. Test pit locations are shown in Figure 6 of Annex A.

Ground Doctor identified a 40mm steel pipe within test pit 4 (TP4). The pipe had been cut, threaded and sealed with an end cap. The pipe ran in an approximate west to east direction toward the adjacent private property. The pipe was cut near the boundary. A small amount of oily water discharged from the cut pipe. The oily water had an odour consistent with that of stale leaded petrol. On this basis it was assumed that the steel pipe was associated with a former UPSS. A line locator was used to trace the steel pipe. The pipe ran approximately 1m into the adjacent private property, where it turned at a right angle and ran in a northerly direction toward Johnston Street, approximately parallel to the property boundary. The trace lost signal close to Johnston Street.

The identified pipe was likely to have been a remote fill line for the former UPSS. The pipe had been cut and capped suggesting that the UST had previously been removed. No additional potential UPSS features were identified in test pits close to the cut and capped pipe. A service locating probe was used to assess the subsurface close to the cut end of the line. Probing did not identify any buried objects that could be a tank within the vicinity of the cut pipe.

GPR anomalies appeared to line up with objects identified within the test pits. Brick building footings were identified in the area between TP1, TP2 and TP3 as marked on Figure 6 of Annex A. Earthenware pipes were encountered at the southern ends of TP2 and TP3 as marked on Figure 6 of Annex A. These pipes were likely to have formerly been part of the stormwater and/or sewerage systems.

In general, soil within the upper 0.5m to 0.9m of the subsurface consisted of fill, or disturbed natural soil. The fill layer typically comprised asphalt at the surface, which was underlain by road base to a depth of approximately 0.3m. Fill or disturbed natural soil beneath the road base was typically a mix of brown clayey loam with some wood ash, glass and brick. Brick typically occurred as a continuous layer and may have been previously paved surface of the former brewery or private hospital grounds. Undisturbed natural soil was encountered beneath the fill layer. Natural soil was typically brown clayey sandy silt.

One small (approximately 5cm x 5cm) piece of fibro was identified in disturbed soil within TP1. No other PACMs were identified within UPSS Investigation Area 1.

6.2.2 UPSS Investigation Area 2

UPSS Investigation Area 2 was located in the southern central portion of the Site and targeted UPSS locations sketched in SafeWork NSW dangerous goods records dated 1980 and 1986 (see Section 3.6). Five test pits (TP6-TP10) were excavated in this area. Test pit locations are shown in Figure 7 of Annex A.

Ground Doctor did not identify any UPSS infrastructure in the test pits. GPR anomalies appear to be related to the presence of fill and remnants of old buildings within the subsurface.

TP6 appeared to have been excavated within a previously filled cellar or basement of the former brewery. Substantial brick walls and/or footings were identified on the southern and northern side of TP6. A brick floor was uncovered approximately 2m below ground level. Fill within TP6 was comprised of glass bottles, sandy loam and ashy fines as well as some pieces of rock, steel and brick.

Sandy fill was identified on the northern wall of the test pit. The sandy fill occurred approximately 1.0 to 2.0m below ground level and may have been backfill sand from a previous UPSS excavation.

It was possible that a UST had been removed, the backfill sands used to fill the bottom of the former tank pit and additional fill imported to fill the remained of the former tank pit.

A substantial brick wall or footing was identified between TP7 and TP8. The identified brickwork appeared to be part of a former brewery building. Fill on the southern side of the wall was comprised almost entirely of glass bottles. Fill on the northern side of the brick wall was comprised of natural soil and rock in the upper 1.2m of the subsurface, which was underlain by fill comprised predominantly of glass with some loam and ashy fines. Small pieces (less than 15cm x 15cm) of fibro were identified in glass fill on the southern side of the brick wall.

There was less than 0.5m of disturbed soil within TP9. Previously undisturbed natural soil was encountered below 0.5m in TP9.

Fill was encountered to a depth of approximately 1.8m within TP10. Fill within TP10 was comprised primarily of natural soil (decomposed granite, sand and gravel) with only a small amount of synthetic material such as glass and brick.

6.3 Summary of UPSS Findings

Based on the identified subsurface conditions within UPSS Investigation Area 1 it appears that the 1947 UPSS had previously been decommissioned by removal. The only identified component of the UPSS was a steel remote fill line, that had been neatly cut, threaded, and capped. The remote fill line was cut close to the Site boundary and the remains of the line are situated beneath the neighbouring property to the east of the Site.

The absence of USTs and steel lines in test pits excavated within UPSS Investigation Area 2 suggests that UPSS that had been located within this area of the Site were most likely previously removed. The GPR anomalies reported as being USTs by Presna (2016b) were found to be pockets of fill and the remnants of old brewery buildings. Fill was encountered to a depth of up to 2.0m in most test pits excavated within UPSS Investigation Area 2.

6.4 Soil Sampling and Analysis

Soil assessment was not one of the original objectives of the UPSS investigation. Previous soil sampling works conducted by Presna (2016b) and ARTL (2018) assessed soil within small diameter boreholes. Ground Doctor was able to observe subsurface conditions in open test pits used to investigate suspected UPSS areas. Ground Doctor conducted additional soil assessment on an opportunistic basis, with the aim of complimenting and cross checking the existing Presna (2016b) and ARTL (2018) soil data for the site.

Ground Doctor collected targeted samples from fill layers within test pits at representative locations across each UPSS area. Ground Doctor targeted soil in fill layers that appeared to be discoloured or contained large amounts of glass and other synthetic material. The soil sampling undertaken and the sampling rationale is outlined in *Table 6*.

Small pieces of fibro were identified in TP1 and TP8. A sample of the fibro from each location was submitted to the analytical laboratory for asbestos analysis.

Soil samples were sent to Envirolab Service Pty Ltd (Sydney) by overnight courier service for laboratory analysis. Soil samples were analysed for TRH, BTEX, PAHs and M8 Metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc).

Table 6: UPSS Investigation Soil Sampling Rationale

| Test Pit ID | Depth of Fill | Analysed Sample Depths | Rationale |
|-------------|---------------|-------------------------------|---|
| TP1 | 0.7m | 0.3-0.4m 0.7-0.8m PACM1 | Sample collected from narrow ashy fill layer. Sample collected from natural undisturbed soil beneath fill layer. Sample of fibro for asbestos analysis. |
| TP2 | 0.5m | 0.3-0.4m 0.9-1.0m | Sample collected from narrow ashy fill layer. Sample collected from natural undisturbed soil beneath fill layer. |
| TP4 | 0.9m | 0.6-0.7m 1.3-1.4m | Sample collected from narrow ashy fill layer. Sample collected from natural undisturbed soil beneath fill layer. |
| TP6E | 2.0m | 0.9-1.0m | Dark coloured ashy fines within glass fill layer. |
| TP6W | 2.0m | 0.6-0.7m | Dark coloured ashy fines within glass fill layer. |
| TP7 | 1.8m | 1.5-1.6m | Dark coloured ashy fines within glass fill layer. |
| TP8 | >1.2m | 0.8-0.9m PACM2 | Dark coloured ashy fines within glass fill layer. Sample of fibro for asbestos analysis. |

6.5 Soil Assessment Criteria

Analytical results were assessed against the most conservative health based soil investigation levels (SILs) published in the NEPM (amended 2013). These included health investigation levels (HILs), health screening levels (HSLs) for low density residential land use. The adopted assessment criteria are presented in *Table G1 of Annex G* and are described as follows.

- HSLA were adopted for assessment of petroleum hydrocarbons. The selected HSLs were those for sandy soil situated in the upper 1m of the subsurface as these were the most conservative.
- HILA were adopted for non-petroleum hydrocarbon analytes.

The assessed areas were located beneath an existing hardstand area used as a driveway and/or carpark. Ecological investigation levels are not relevant in this setting.

6.6 Analytical Results

Soil analytical results are summarised and compared to the assessment criteria in *Table G1 of Annex G*. The laboratory certificate of analysis is presented as *Annex H*.

Laboratory analytical results are summarised as follows.

- Reported TRH and BTEXN concentrations in all soil samples were less than the practical quantification limit (PQL) and/or the adopted HSLs. TRH was detected in two soil samples collected from TP6. The identified TRH in these locations was most likely associated with the presence of wood ash or other organic matter in the sample, rather than the presence of petroleum products.
- Reported PAHs concentrations in all soil samples were less than the adopted assessment criteria. PAHs were detected in most soil samples and are most likely associated with the presence of wood ash in fill, which was targeted at most of the sampling locations.
- Reported metals concentrations in all soil samples were less than the adopted HILs, with the exception of lead in samples collected from TP6. The reported concentrations of lead in samples TP6_E (0.9-1.0m) and TP6_W (0.6-0.7m) were 450mg/kg and 350mg/kg respectively. The Site settings scenarios outlined in Schedule B7 of the NEPM (2013) indicate that HILC is a more appropriate threshold to adopt for secondary schools. The HILC threshold for lead is 600mg/kg. All reported lead concentrations were less than the HILC threshold.

- Asbestos was identified in two samples of fibro submitted for laboratory analysis.

7 Conceptual Site Model

The Preliminary Site Investigation initially identified the following potential areas of concern.

- Uncontrolled filling, particularly in the southern portion of the Site.
- Potential for up to 5 UPSS to exist or have existed at the Site.

7.1 Uncontrolled Fill

The age of fill (most likely dating back over 100 years) and available soil characterisation data suggests filling is relatively benign from a chemical contamination perspective. Volatile contaminants have not been identified in fill and are unlikely to be present based on the age of fill. Concentration of contaminants of concern in fill samples collected from 26 locations assessed by Presna (2016b) and ARTL (2018), and additional soil samples collected by Ground Doctor in September 2020 did not exceed thresholds that would be relevant to the proposed Site use.

The absence of potentially volatile contaminants in fill limits relevant human health risk pathways to:

- direct contact with soil; and
- inhalation of dust generated from exposed soil at the surface.

Glass and brick have been identified in fill several locations and pose a potential aesthetic concern. Some pieces of fibro, that was confirmed to contain asbestos, were identified in TP1 and TP8. The identified pieces of fibro would be classed as “bonded asbestos”. Fibro was only identified in two out of 10 test pit locations excavated by Ground Doctor indicating it is not widespread and is likely to be a very minor component within fill used at the Site.

A large portion of the Site is covered by buildings or sealed driveways, loading areas and carpark. The direct contact and inhalation of dust exposure pathways are not complete in this setting. Aesthetics are also not of concern in sealed areas of the Site.

Only small areas of the Site remain unsealed. This includes the following.

- Narrow strips of garden along the northern and western Site boundaries.
- Two small grassed areas in the south east corner of the Site. These are relatively small strips of grass between vehicle parking bays or between parking bays and the Site boundary.

Unsealed areas of the Site are not intended to be used as outdoor recreational open space and are not set up to invite this form of use.

On this basis the identified filling is unlikely to present an unacceptable risk to human health to future site users based on the proposed land use. Presence of ACMs in fill may pose an unacceptable risk to maintenance workers undertaking intrusive works. These risks could be managed by implementing a management plan at the Site.

7.2 UPSS Areas

Evidence of a former heating oil UPSS was identified in the north east corner of the Site. NSW SafeWork records indicated that this tank was decommissioned in 1995, and subsequent soil

assessment did not identify any unacceptable contamination. Additional assessment of the area by Prensa (2016b) confirmed that the former heating oil UPSS had been removed and that no significant soil impacts were present in the former UPSS area.

UPSS used to store petrol (and possibly diesel) for fuelling of fleet vehicles were identified in the southern and central part of the Site. The four relevant SafeWork references relate to two areas of the Site, as some of the records refer to replacement of older UPSS. Prensa (2016b) indicated that USTs were likely to remain at two locations. Prensa (2016b) and ARTL (2018) did not identify any significant petroleum hydrocarbon impacts in soil surrounding the former suspected UPSS area in the upper 4m of the subsurface.

Ground Doctor conducted intrusive assessment of the suspected UPSS areas in September 2020. USTs were not found at the assessed locations. There was evidence that the earliest UPSS (location identified in a 1947 SafeWork NSW record) had previously been removed. The absence of any other UPSS infrastructure in the investigated areas indicated that all previous UPSS were also likely to have been removed.

Relevant human health risk exposure pathways for a source of petroleum hydrocarbon contamination include:

- inhalation of vapours intruding into nearby buildings;
- direct contact with soil; and
- inhalation of dust generated from exposed soil at the surface.

The former UPSS areas are located at least 8m from the nearest building. Soil data indicates that no significant petroleum hydrocarbons exist within the upper 4m of the subsurface. The vapour intrusion pathway is unlikely to be complete.

Absence of significant hydrocarbon impacts in the upper 4m of the soil profile means that the direct contact with soil and inhalation of dust pathways are not complete. These pathways are largely invalid as the majority of the Site is sealed with concrete or asphalt and soil is inaccessible.

Based on works undertaken at the Site to date, any petroleum hydrocarbon impacts related to former UPSS have not made the Site unsuitable for the proposed land use.

Groundwater has not been assessed to date. Available soil data has not identified evidence of hydrocarbon impacts. Based on the absence of significant petroleum hydrocarbon contamination in soil, petroleum hydrocarbon groundwater contamination is unlikely.

8 Conclusions and Recommendations

The Preliminary Site Investigation initially identified the following potential areas of concern.

- Potential for up to 5 UPSS to have existed at the Site.
- Uncontrolled filling, particularly in the southern portion of the Site.

UPSS used to store petrol (and possibly diesel) for fuelling of fleet vehicles previously existed in the southern and central part of the Site. The potential UPSS areas were investigated by Ground Doctor in September 2020. USTs were not identified, and investigation findings indicated that all previous UPSS were likely to have been removed from the Site.

The identified former UPSS areas were located at least 8m from the nearest building. Soil data indicates that no significant petroleum hydrocarbons exist within the upper 4m of the subsurface. The vapour intrusion pathway is unlikely to be complete.

Absence of significant hydrocarbon impacts in the upper 4m of the soil profile means that the direct contact with soil and inhalation of dust pathways are not complete. These pathways are largely invalid as the majority of the Site is sealed with concrete or asphalt and soil is inaccessible.

Based on works undertaken at the Site to date, any petroleum hydrocarbon impacts related to former UPSS have not made the Site unsuitable for the proposed land use.

The age of fill (most likely dating back over 100 years) and available soil characterisation data suggests filling is relatively benign from a chemical contamination perspective. Volatile contaminants have not been identified in fill and are unlikely to be present based on the age of fill. Concentration of contaminants of concern in fill samples collected from 18 locations assessed by Presna (2016) and ARTL (2018), and additional soil samples collected by Ground Doctor in September 2020 did not exceed thresholds that would be relevant to the proposed Site use.

Assessment of Site specific risks indicates filling does not pose an unacceptable human health risk to future users of the Site. Fill layers comprised predominantly of glass bottles, which also included brick, metals waste and a small amount (on a percentage weight basis) of bonded ACM have been identified in several locations and could pose aesthetic concerns or human health risks to intrusive maintenance workers. It is recommended that a management plan is developed that outlines procedures for addressing unsightly fill material during construction of the proposed development and during any future maintenance works. The aim of this plan would be to ensure readily accessible soils at the Site remain free of unsightly or potentially dangerous solid waste in fill and that wastes generated during works are disposed appropriately.

Existing data indicates that the Site is suitable for the proposed future use, provided a management plan is implemented to mitigate aesthetic and human health risks associated with disturbance of fill in the subsurface.

9 References

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- National Environment Protection Council (NEPC) (1999) *National Environment Protection (Assessment of Contamination) Measure (NEPM)* (revised April 2013).
- NSW Government (28 July 2020), NSW Spatial Information Exchange Website, <http://www.maps.six.nsw.gov.au>.
- NSW Contaminated Land Management Act 1997.
- NSW DPIE(2020) eSpade website (<https://www.environment.nsw.gov.au/eSpade2WebApp> 28 July 2020)
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- NSW Water (28 July 2020), Groundwater Works Database Website, <https://realtimedata.waternsw.com.au/water.stm>.
- Peter Freeman Pty Ltd (2002), *Wagga Wagga City Council Urban Heritage Study, Volume 1: The Report*, August 2002.
- Prensa (2016a), *Preliminary Site Investigation, 1 Simmons Street, Wagga Wagga, NSW*, August 2016, Report Reference 55172.
- Prensa (2016b), *Detailed Site Investigation, 1 Simmons Street, Wagga Wagga, NSW*, December 2016, Report Reference 55594.
- Salvestro Planning (2020), *Statement of Environmental Effects, Proposed Change of Use and Building Refurbishment, Riverina Conservatorium of Music, 1 Simmons Street, Wagga Wagga, NSW, Lot 1 DP 775220*, Rev 2.0, February 2020.
- Wagga Wagga Local Environment Plan 2010.

Annex A

Figures



Ground Doctor Pty Ltd

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PO Box 6278
22 Tamworth Street
Dubbo NSW 2830

Project Name: Preliminary Contamination Assessment
1 Simmons Street, Wagga Wagga, NSW

Project Number: 2020-GD010-RP1

Figure 1

Site Location and Layout

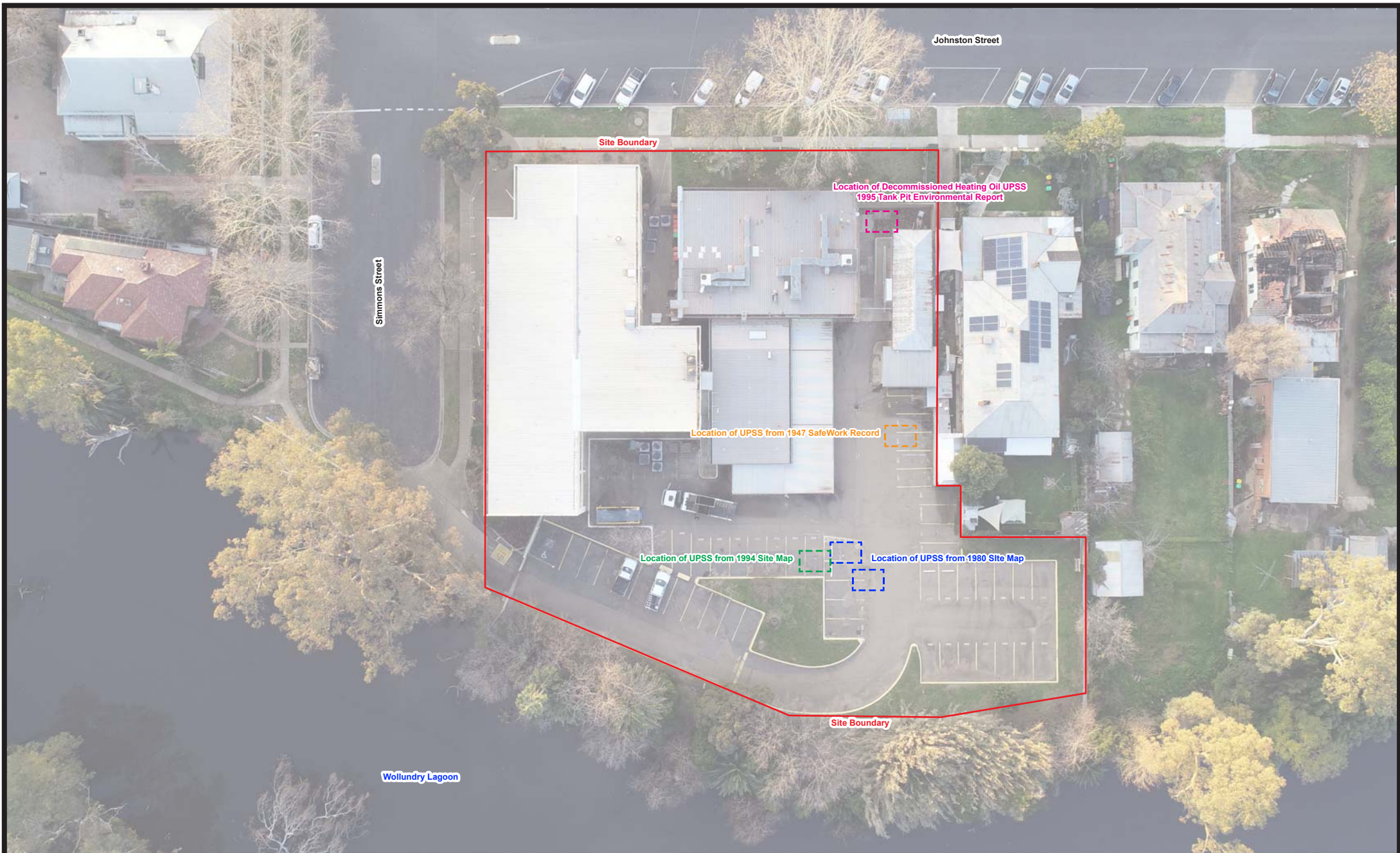


| Period | Owner | Likely Use |
|-------------|--|---|
| 1974 – 1988 | The Commissioner for Main Roads | Government Offices and Geotech Laboratory |
| | Lottie Le Lievre, widow / executrix | Residential |
| 1973 – 1974 | Stanley Victor Le Lievre, retired bank officer / executive | |
| 1941 – 1973 | Earle Stanley Le Lievre, estate | Residential |
| 1925 – 1941 | Hilda Susan Hancock, widow | Residential |

| Period | Owner | Likely Use |
|---------------|---------------------------------|---|
| 2013 – todate | The Commissioner for Main Roads | Government Offices and Geotech Laboratory |
| | The Commissioner for Main Roads | |
| 2008 – 2013 | The Commissioner for Main Roads | Government Offices and Geotech Laboratory |
| 1988 – 2008 | The Commissioner for Main Roads | Government Offices and Geotech Laboratory |
| 1923 - 1988 | See Subtables | |
| 1871 - 1923 | Various | Brewery |

| Period | Owner | Likely Use |
|-------------|---|---|
| 1952 – 1988 | The Commissioner for Main Roads | Government Offices and Geotech Laboratory |
| 1947 – 1952 | The Commissioner for Main Roads | Government Offices and Geotech Laboratory |
| | (Appropriated under Public Works Act 1912 for the purposes of Main Roads Act 1924-1945) | |
| 1946 – 1947 | The Commissioner for Main Roads | Government Offices and Geotech Laboratory |
| 1923 – 1946 | Stephen Hertford Weedon, medical practitioner | Private Hospital |
| | Walter Wallace Marlin, medical practitioner | |

| Period | Owner | Likely Use |
|-------------|---|---|
| 1964 – 1988 | The Commissioner for Main Roads | Government Offices and Geotech Laboratory |
| 1963 – 1964 | Minnie Margaret Karoflis, widow | Residential |
| 1963 – 1963 | Minnie Margaret Karoflis, widow / executrix | Residential |
| | Anthony Emmanuel Karoflis, estate | |
| 1954 – 1963 | Anthony Emmanuel Karoflis, café proprietor | Residential |
| 1939 – 1954 | Esther Schulz, wife of Herbert Otto Schulz, postal official | Residential |
| | Claude Arnold Monks, traveler / executor | Residential |
| 1932 – 1939 | Cuthbert Aubrey Monks, radio representative / executor | |
| | Joseph Monks, estate | |
| 1927 – 1932 | Joseph Monks, farmer / grazier | Residential |
| 1923 – 1927 | William Powell, retired farmer | Residential |



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Figure 3

Former UPSS Locations and Suspected UPSS Locations
Based on SafeWork NSW Records



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Figure 4

Former UPSS Locations and Suspected UPSS Locations
Based on Prensa DSI (2016)



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Project Number: 2020-GD010-RP1

Figure 5

UPSS Investigation Areas
September 2020



Ground Doctor Pty Ltd

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1 Simmons Street, Wagga Wagga, NSW

Project Number: 2020-GD010-RP1

Figure 6

Test Pit Locations - UPSS Investigation Area 1



Annex B

Lotsearch Property Report



LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 09 Jul 2020 15:26:08

Reference: LS013352 EP

Address: 1 Simmons Street, Wagga Wagga, NSW 2650

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.

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 | NSW Department of Finance, Services & Innovation | 31/03/2020 | 31/03/2020 | Quarterly | - | - | - | - |
| Topographic Data | NSW Department of Finance, Services & Innovation | 25/06/2019 | 25/06/2019 | As required | - | - | - | - |
| List of NSW contaminated sites notified to EPA | Environment Protection Authority | 15/06/2020 | 15/06/2020 | Monthly | 1000 | 0 | 0 | 3 |
| Contaminated Land Records of Notice | Environment Protection Authority | 25/06/2020 | 25/06/2020 | Monthly | 1000 | 0 | 0 | 2 |
| Former Gasworks | Environment Protection Authority | 22/06/2020 | 11/10/2017 | Monthly | 1000 | 0 | 0 | 1 |
| National Waste Management Facilities Database | Geoscience Australia | 15/05/2020 | 07/03/2017 | Quarterly | 1000 | 0 | 0 | 0 |
| National Liquid Fuel Facilities | Geoscience Australia | 05/02/2020 | 13/07/2012 | Quarterly | 1000 | 0 | 0 | 2 |
| EPA PFAS Investigation Program | Environment Protection Authority | 01/07/2020 | 01/07/2020 | Monthly | 2000 | 0 | 0 | 0 |
| Defence PFAS Investigation & Management Program - Investigation Sites | Department of Defence | 12/02/2020 | 12/02/2020 | Monthly | 2000 | 0 | 0 | 1 |
| Defence PFAS Investigation & Management Program - Management Sites | Department of Defence | 12/02/2020 | 12/02/2020 | Monthly | 2000 | 0 | 0 | 1 |
| Airservices Australia National PFAS Management Program | Airservices Australia | 29/06/2020 | 29/06/2020 | Monthly | 2000 | 0 | 0 | 0 |
| Defence 3 Year Regional Contamination Investigation Program | Department of Defence | 05/06/2020 | 05/06/2020 | Monthly | 2000 | 0 | 0 | 0 |
| EPA Other Sites with Contamination Issues | Environment Protection Authority | 04/02/2020 | 13/12/2018 | Annually | 1000 | 0 | 0 | 0 |
| Licensed Activities under the POEO Act 1997 | Environment Protection Authority | 15/06/2020 | 15/06/2020 | Monthly | 1000 | 0 | 0 | 0 |
| Delicensed POEO Activities still regulated by the EPA | Environment Protection Authority | 15/06/2020 | 15/06/2020 | Monthly | 1000 | 0 | 0 | 0 |
| Former POEO Licensed Activities now revoked or surrendered | Environment Protection Authority | 15/06/2020 | 15/06/2020 | Monthly | 1000 | 0 | 0 | 10 |
| UBD Business Directories (Premise & Intersection Matches) | Hardie Grant | | | Not required | 150 | 4 | 35 | 58 |
| UBD Business Directories (Road & Area Matches) | Hardie Grant | | | Not required | 150 | - | 59 | 70 |
| UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches) | Hardie Grant | | | Not required | 500 | 0 | 0 | 43 |
| UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches) | Hardie Grant | | | Not required | 500 | - | 0 | 6 |
| Points of Interest | NSW Department of Finance, Services & Innovation | 30/03/2020 | 30/03/2020 | Quarterly | 1000 | 0 | 1 | 64 |
| Tanks (Areas) | NSW Department of Customer Service - Spatial Services | 30/03/2020 | 30/03/2020 | Quarterly | 1000 | 0 | 0 | 0 |
| Tanks (Points) | NSW Department of Customer Service - Spatial Services | 30/03/2020 | 30/03/2020 | Quarterly | 1000 | 0 | 0 | 2 |
| Major Easements | NSW Department of Finance, Services & Innovation | 30/03/2020 | 30/03/2020 | Quarterly | 1000 | 0 | 0 | 13 |
| State Forest | Forestry Corporation of NSW | 18/01/2018 | 18/01/2018 | As required | 1000 | 0 | 0 | 0 |
| NSW National Parks and Wildlife Service Reserves | NSW Office of Environment & Heritage | 21/01/2020 | 30/09/2019 | 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 |
| Botany Groundwater Management Zones | NSW Department of Planning, Industry and Environment | 15/03/2018 | 01/10/2005 | As required | 1000 | 0 | 0 | 0 |

| 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 Dept. of Primary Industries - Water NSW; Commonwealth of Australia (Bureau of Meteorology) | 24/07/2018 | 23/07/2018 | Annually | 2000 | 0 | 0 | 190 |
| Geological Units 1:250,000 | NSW Department of Planning, Industry and Environment | 20/08/2014 | | None planned | 1000 | 1 | - | 2 |
| Geological Structures 1:250,000 | NSW Department of Planning, Industry and Environment | 20/08/2014 | | None planned | 1000 | 0 | - | 0 |
| Naturally Occurring Asbestos Potential | NSW Dept. of Industry, Resources & Energy | 04/12/2015 | 24/09/2015 | Unknown | 1000 | 0 | 0 | 0 |
| Atlas of Australian Soils | Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES) | 19/05/2017 | 17/02/2011 | As required | 1000 | 1 | 1 | 1 |
| Soil Landscapes | NSW Department of Planning, Industry and Environment | 12/08/2014 | | None planned | 1000 | 2 | - | 3 |
| Environmental Planning Instrument Acid Sulfate Soils | NSW Department of Planning, Industry and Environment | 11/06/2020 | 01/05/2020 | Monthly | 500 | 0 | - | - |
| Atlas of Australian Acid Sulfate Soils | CSIRO | 19/01/2017 | 21/02/2013 | As required | 1000 | 1 | 1 | 1 |
| Dryland Salinity - National Assessment | National Land and Water Resources Audit | 18/07/2014 | 12/05/2013 | None planned | 1000 | 1 | 1 | 2 |
| Dryland Salinity Potential of Western Sydney | NSW Department of Planning, Industry and Environment | 12/05/2017 | 01/01/2002 | None planned | 1000 | - | - | - |
| Mining Subsidence Districts | NSW Department of Customer Service - Subsidence Advisory NSW | 30/03/2020 | 30/03/2020 | Quarterly | 1000 | 0 | 0 | 0 |
| Environmental Planning Instrument SEPP State Significant Precincts | NSW Department of Planning, Industry and Environment | 11/06/2020 | 07/12/2018 | Monthly | 1000 | 0 | 0 | 0 |
| Environmental Planning Instrument Land Zoning | NSW Department of Planning, Industry and Environment | 11/06/2020 | 05/06/2020 | Monthly | 1000 | 1 | 8 | 65 |
| Commonwealth Heritage List | Australian Government Department of the Agriculture, Water and the Environment | 18/05/2020 | 20/11/2019 | Quarterly | 1000 | 0 | 0 | 0 |
| National Heritage List | Australian Government Department of the Agriculture, Water and the Environment | 18/05/2020 | 20/11/2019 | Quarterly | 1000 | 0 | 0 | 1 |
| State Heritage Register - Curtilages | NSW Department of Planning, Industry and Environment | 12/02/2020 | 09/11/2018 | Quarterly | 1000 | 0 | 0 | 0 |
| Environmental Planning Instrument Heritage | NSW Department of Planning, Industry and Environment | 11/06/2020 | 05/06/2020 | Monthly | 1000 | 1 | 6 | 67 |
| Bush Fire Prone Land | NSW Rural Fire Service | 04/02/2020 | 14/12/2019 | Quarterly | 1000 | 0 | 0 | 2 |
| Vegetation of Central-Southern NSW | NSW Office of Environment & Heritage | 25/01/2016 | 02/12/2011 | None planned | 1000 | 1 | 1 | 6 |
| Ramsar Wetlands of Australia | Department of the Agriculture, Water and the Environment | 08/10/2014 | 24/06/2011 | As required | 1000 | 0 | 0 | 0 |
| Groundwater Dependent Ecosystems | Bureau of Meteorology | 14/08/2017 | 15/05/2017 | Unknown | 1000 | 1 | 1 | 4 |
| Inflow Dependent Ecosystems Likelihood | Bureau of Meteorology | 14/08/2017 | 15/05/2017 | Unknown | 1000 | 1 | 1 | 4 |
| NSW BioNet Species Sightings | NSW Office of Environment & Heritage | 08/07/2020 | 08/07/2020 | Weekly | 10000 | - | - | - |

Site Diagram

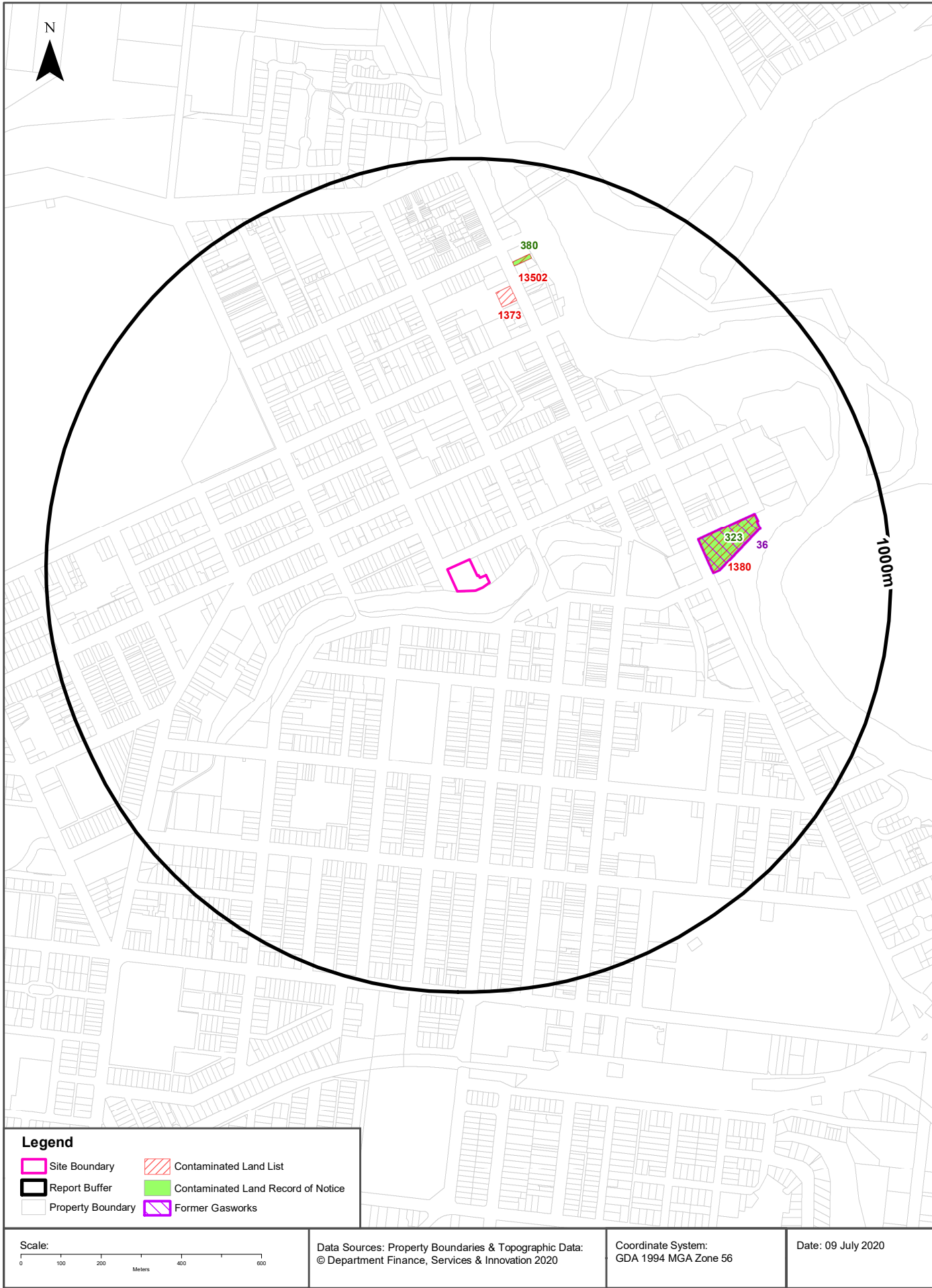
1 Simmons Street, Wagga Wagga, NSW 2650



| | | |
|---|---|---|
| Legend <div><div></div> Site Boundary</div> <div><div></div> Internal Parcel Boundaries</div> | Total Area: 4834m ² Total Perimeter: 300m <small>Disclaimers:</small> Measurements are approximate only and may have been simplified or smaller lengths removed for readability. Parcels that make up a small percentage of the total site area have not been labelled for increased legibility. | Scale: 0 15 30 Meters Data Sources: Aerial Imagery © Aerometrex Pty Ltd <div><div>Coordinate System: GDA 1994 MGA Zone 56</div><div>Date: 09 July 2020</div></div> |
|---|---|---|

Contaminated Land

1 Simmons Street, Wagga Wagga, NSW 2650



Contaminated Land

1 Simmons Street, Wagga Wagga, NSW 2650

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 |
|--------|------------------------------|--------------------------------------|-------------|-----------------|---|------------------|---------------------|----------|-----------|
| 1380 | Former Gasworks | Cnr Tarcutta Street and Cross Street | Wagga Wagga | Gasworks | Contamination currently regulated under CLM Act | Current EPA List | Premise Match | 530m | East |
| 1373 | Caltex Service Station | 170 Fitzmaurice Street | Wagga Wagga | Service Station | Regulation under CLM Act not required | Current EPA List | Premise Match | 634m | North |
| 13502 | Former Dry Cleaning Facility | 183 Fitzmaurice Street | WAGGA WAGGA | Other Industry | Contamination currently regulated under CLM Act | Current EPA List | Premise Match | 740m | North |

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. |
| 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

1 Simmons Street, Wagga Wagga, NSW 2650

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

| Map Id | Name | Address | Suburb | Notices | Area No | Location Confidence | Distance | Direction |
|--------|------------------------------|--------------------------------------|-------------|------------------------|---------|---------------------|----------|-----------|
| 323 | Former Gasworks | Cnr Tarcutta Street and Cross Street | Wagga Wagga | 2 current and 1 former | 3239 | Premise Match | 530m | East |
| 380 | Former Dry Cleaning Facility | 183 Fitzmaurice Street | Wagga Wagga | 2 current | 3410 | Premise Match | 740m | North |

Contaminated Land Records of Notice Data Source: Environment Protection Authority

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<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 |
|--------|------------------------------|--------------------------|------------------------------|---------------------|----------|-----------|
| 36 | Tarcutta Street, Wagga Wagga | Wagga Wagga City Council | Search record of EPA notices | Premise Match | 530m | East |

Former Gasworks Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Waste Management & Liquid Fuel Facilities

1 Simmons Street, Wagga Wagga, NSW 2650



Waste Management & Liquid Fuel Facilities

1 Simmons Street, Wagga Wagga, NSW 2650

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

National Liquid Fuel Facilities

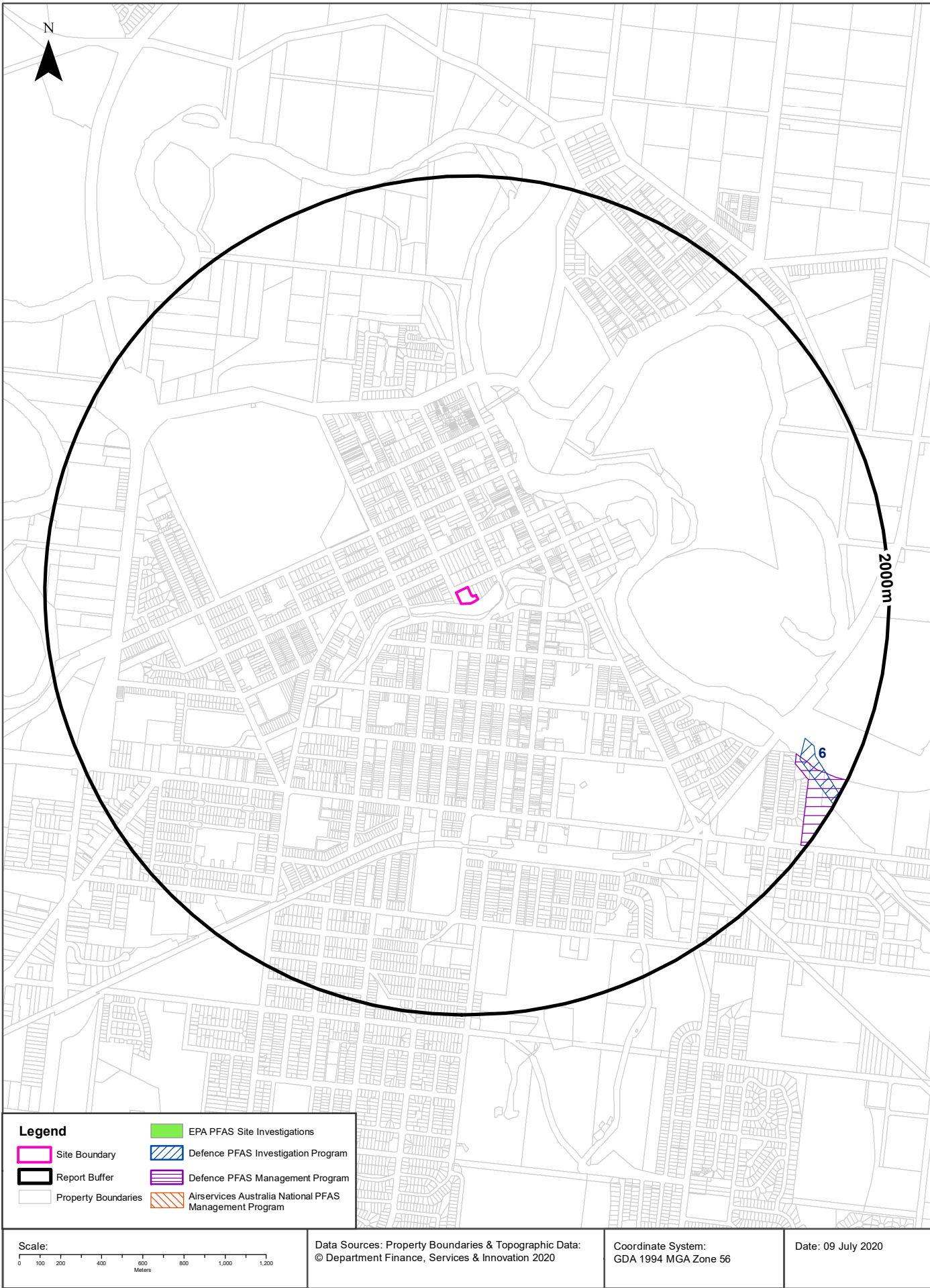
National Liquid Fuel Facilities within the dataset buffer:

| Map Id | Owner | Name | Address | Suburb | Class | Operational Status | Operator | Revision Date | Loc Conf | Dist (m) | Direction |
|--------|--------|-------------------------------|----------------------------|-------------|----------------|--------------------|----------|---------------|---------------|----------|------------|
| 4768 | Caltex | Caltex Wagga Wagga | 170-172 Fitzmaurice Street | Wagga Wagga | Petrol Station | Operational | | 25/07/2011 | Premise Match | 634m | North |
| 4769 | Caltex | Woolworths Caltex Wagga Wagga | 17 Forsyth Street | Wagga Wagga | Petrol Station | Operational | | 25/07/2011 | Premise Match | 800m | South East |

National Liquid Fuel Facilities Data Source: Geoscience Australia
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PFAS Investigation & Management Programs

1 Simmons Street, Wagga Wagga, NSW 2650



PFAS Investigation & Management Programs

1 Simmons Street, Wagga Wagga, NSW 2650

EPA PFAS Investigation Program

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

| Id | Site | Address | Loc Conf | Dist | Dir |
|-----|----------------------|---------|----------|------|-----|
| N/A | No records in buffer | | | | |

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

Defence PFAS Investigation Program

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

| Map ID | Base Name | Address | Loc Conf | Dist | Dir |
|--------|---------------------------------|------------------------------|---------------|-------|------|
| 6 | RAAF Base Wagga | Wagga Wagga, New South Wales | Premise Match | 1729m | East |

Defence PFAS Investigation Program Data Custodian: Department of Defence, Australian Government

Defence PFAS Management Program

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

| Map ID | Base Name | Address | Loc Conf | Dist | Dir |
|--------|---------------------------------|------------------------------|---------------|-------|------------|
| 7 | RAAF Base Wagga | Wagga Wagga, New South Wales | Premise Match | 1721m | South East |

Defence PFAS Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

| Map ID | Site Name | Impacts | Loc Conf | Dist | Dir |
|--------|----------------------|---------|----------|------|-----|
| N/A | No records in buffer | | | | |

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

1 Simmons Street, Wagga Wagga, NSW 2650

Defence 3 Year Regional Contamination Investigation Program

Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

| Property ID | Base Name | Address | Known Contamination | Loc Conf | Dist | Dir |
|-------------|----------------------|---------|---------------------|----------|------|-----|
| N/A | No records in buffer | | | | | |

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

EPA Other Sites with Contamination Issues

1 Simmons Street, Wagga Wagga, NSW 2650

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
- Pasminco Lead Abatement Strategy Area

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

EPA Activities

1 Simmons Street, Wagga Wagga, NSW 2650

Licensed Activities under the POEO Act 1997

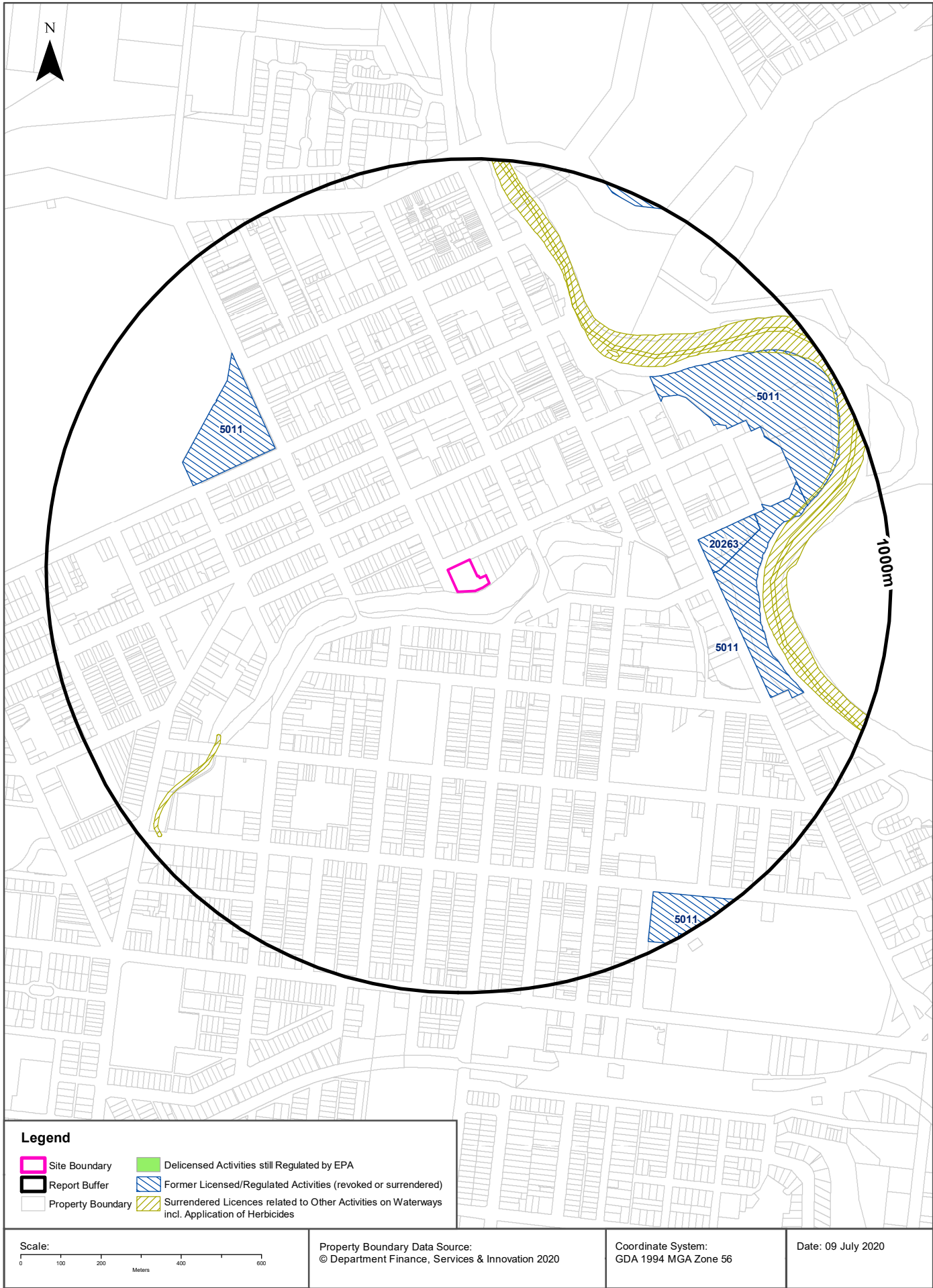
Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

| EPL | Organisation | Name | Address | Suburb | Activity | Loc Conf | Distance | Direction |
|-----|----------------------|------|---------|--------|----------|----------|----------|-----------|
| N/A | No records in buffer | | | | | | | |

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities
1 Simmons Street, Wagga Wagga, NSW 2650



EPA Activities

1 Simmons Street, Wagga Wagga, NSW 2650

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 |
|------------|----------------------|------|---------|--------|----------|----------|----------|-----------|
| N/A | No records in buffer | | | | | | | |

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 |
|------------|---|---|-------------|-------------|---|---------------------|----------|------------|
| 5011 | WAGGA WAGGA CITY COUNCIL | WAGGA WAGGA CRICKET GROUND, CNR KINCAID & BECKWITH STREETS, WAGGA WAGGA, NSW 2650 | Surrendered | 22/05/2000 | Other activities | Premise Match | 526m | North West |
| 20263 | ENVIROPACIFIC SERVICES PTY LIMITED | Former Tarcutta Street Gasworks Wagga Wagga, Corner Tarcutta Street and Cross Street, WAGGA WAGGA | Surrendered | 04/04/2013 | Contaminated groundwater treatment | Premise Match | 530m | East |
| 5011 | WAGGA WAGGA CITY COUNCIL | VISITOR INFORMATION CENTRE LAWNS & GARDENS, TARCUTTA STREET, WAGGA WAGGA, NSW 2650 | Surrendered | 22/05/2000 | Other activities | Premise Match | 558m | East |
| 4653 | LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD | WATERWAYS THROUGHOUT NSW | Surrendered | 06/09/2000 | Other Activities / Non Scheduled Activity - Application of Herbicides | Network of Features | 607m | - |
| 4838 | Robert Orchard | Various Waterways throughout New South Wales - SYDNEY NSW 2000 | Surrendered | 07/09/2000 | Other Activities / Non Scheduled Activity - Application of Herbicides | Network of Features | 607m | - |
| 6630 | SYDNEY WEED & PEST MANAGEMENT PTY LTD | WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148 | Surrendered | 09/11/2000 | Other Activities / Non Scheduled Activity - Application of Herbicides | Network of Features | 607m | - |
| 5011 | WAGGA WAGGA CITY COUNCIL | SAINT MICHEALS OVAL AND WAGGA WAGGA BEACH RECREATION AREA, JOHNSTON STREET, WAGGA WAGGA, NSW 2650 | Surrendered | 22/05/2000 | Other activities | Premise Match | 615m | North East |
| 5011 | WAGGA WAGGA CITY COUNCIL | BOLTON PARK, EDWARD STREET, WAGGA WAGGA, NSW 2650 | Surrendered | 22/05/2000 | Other activities | Premise Match | 869m | South East |

| Licence No | Organisation | Location | Status | Issued Date | Activity | Loc Conf | Distance | Direction |
|------------|--------------------------|--|-------------|-------------|------------------|---------------|----------|------------|
| 5011 | WAGGA WAGGA CITY COUNCIL | WILKS PARK, GARDINER STREET, WAGGA WAGGA, NSW 2650 | Surrendered | 22/05/2000 | Other activities | Premise Match | 974m | North East |
| 5011 | WAGGA WAGGA CITY COUNCIL | ROBERTSON OVAL, FITZHARDINGE STREET, WAGGA WAGGA, NSW 2650 | Surrendered | 22/05/2000 | Other activities | Premise Match | 990m | South East |

Former Licensed Activities Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Historical Business Directories

1 Simmons Street, Wagga Wagga, NSW 2650



Historical Business Directories

1 Simmons Street, Wagga Wagga, NSW 2650

Business Directory Records 1950-1991 Premise or Road Intersection Matches

Universal Business Directory records from years 1991, 1982, 1970, 1961 & 1950, mapped to a premise or road intersection within the dataset buffer:

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Property Boundary or Road Intersection | Direction |
|--------|--|--|---------|------|---------------------|--|------------|
| 1 | GOVERNMENT DEPARTMENTS. | Main Rd Dept Of., 1 Simmons St, Wagga Wagga | 215182 | 1991 | Premise Match | 0m | On-site |
| | GOVERNMENT DEPARTMENTS | Main Roads, 1 Simmons St., Wagga Wagga | 164151 | 1982 | Premise Match | 0m | On-site |
| | GOVERNMENT DEPARTMENTS | Main Roads (Dept. of) 1 Simmons St. Wagga | 593213 | 1970 | Premise Match | 0m | On-site |
| | GOVERNMENT DEPARTMENTS | Main Roads (Dept. of) 1 Simmons St., Wagga Wagga | 230024 | 1961 | Premise Match | 0m | On-site |
| 2 | MEDICAL PRACTITIONERS. | Stewart I. J., 8 Simmons St, Wagga Wagga | 215652 | 1991 | Premise Match | 30m | West |
| 3 | INSURANCE AGENTS | Daley, J. 89 Johnston St., Wagga Wagga | 164307 | 1982 | Premise Match | 30m | North |
| | REAL ESTATE, STOCK & STATION AGENTS | Daley, J., 89 Johnston St., Wagga Wagga | 164962 | 1982 | Premise Match | 30m | North |
| | INSURANCE AGENTS | Daley, J., 89 Johnston St. Wagga | 593342 | 1970 | Premise Match | 30m | North |
| | STOCK, STATION & REAL ESTATE AGENTS | Daley, J., 89 Johnston St. Wagga | 594083 | 1970 | Premise Match | 30m | North |
| 4 | HOSPITALS & HEALTH CENTRES | Baby Health Centre, 87 Johnson St., Wagga Wagga | 230099 | 1961 | Premise Match | 30m | North |
| 5 | TAXATION CONSULTANTS &/OR SPECIALISTS. | Adams Kenneally White & Co., 85 Johnston St, Wagga Wagga | 217686 | 1991 | Premise Match | 36m | North |
| | TAXATION CONSULTANTS &/OR SPECIALISTS | Adams Kenneally, White & Co, 85 Johnston St., Wagga Wagga | 165260 | 1982 | Premise Match | 36m | North |
| | ACCOUNTANTS & AUDITORS | Adams Kenneally, White & Co., 85 Johnston St., Wagga Wagga | 163276 | 1982 | Premise Match | 36m | North |
| | ACCOUNTANTS & AUDITORS | Adams, A. L. & Partners, 85 Johnston St. Wagga | 592483 | 1970 | Premise Match | 36m | North |
| | TAXATION CONSULTANTS & SPECIALISTS | Adams, A. L. & Partners, 85 Johnston St. Wagga | 594115 | 1970 | Premise Match | 36m | North |
| 6 | MEDICAL PRACTITIONERS. | Lowe A. K., 81 Johnston St, Wagga Wagga | 215634 | 1991 | Premise Match | 52m | North |
| | MEDICAL PRACTITIONERS. | Lowe Adriane K., 81 Johnson St, Wagga Wagga | 215635 | 1991 | Premise Match | 52m | North |
| | MEDICAL PRACTITIONERS. | Macneill P. R., 81 Johnston St, Wagga Wagga | 215636 | 1991 | Premise Match | 52m | North |
| | MEDICAL PRACTITIONERS | Lowe, A. K., 81 Johnston St., Wagga Wagga | 164445 | 1982 | Premise Match | 52m | North |
| | MEDICAL PRACTITIONERS | MacNeill, P. R., 81 Johnston St., Wagga Wagga | 164446 | 1982 | Premise Match | 52m | North |
| 7 | HEALTH CENTRES &/OR CLINICS | A.V. Natural Health Control Centre (Stop Smoking - Stress Management - Weight Loss), 14 Simmons St., Wagga Wagga | 215303 | 1991 | Premise Match | 57m | North West |
| | HYPNOTHERAPISTS. | Riverina Centre Of Hypnotherapy., 14 Simmons St, Wagga Wagga | 215396 | 1991 | Premise Match | 57m | North West |
| 8 | ACCOUNTANTS & AUDITORS | Allen, Brian & Company. 76A Johnston St., Wagga Wagga | 163277 | 1982 | Premise Match | 82m | North East |
| | ACCOUNTANTS & AUDITORS | Allen, B., 76A Johnston St. Wagga | 592484 | 1970 | Premise Match | 82m | North East |

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Property Boundary or Road Intersection | Direction |
|--------|---|---|---------|------|---------------------|--|------------|
| 9 | ARCHITECTS. | Sutton & Perey., 76 Johnston St, Wagga Wagga | 214065 | 1991 | Premise Match | 94m | North East |
| | ARCHITECTS | Sutton & Perry, 76 Johnston St., Wagga Wagga | 163349 | 1982 | Premise Match | 94m | North East |
| 10 | ACCOUNTANTS & AUDITORS. | Brady Frank & Co., 20 Simmons St, Wagga Wagga | 213949 | 1991 | Premise Match | 95m | North West |
| | TAXATION CONSULTANTS &/OR SPECIALISTS. | Brady Frank & Co., 20 Simmons St, Wagga Wagga | 217689 | 1991 | Premise Match | 95m | North West |
| | ACCOUNTANTS & AUDITORS | Brady, F. & Co., 20 Simmons St., Wagga Wagga | 163278 | 1982 | Premise Match | 95m | North West |
| | TAXATION CONSULTANTS &/OR SPECIALISTS | Brady, F. & Co., 20 Simmons St., Wagga Wagga | 165261 | 1982 | Premise Match | 95m | North West |
| 11 | LOCAL BODIES | Fire Station., 40 The Esplanade, Wagga Wagga | 215587 | 1991 | Premise Match | 96m | South |
| | LOCAL BODIES. | Fire Station, 40 The Esplanade., Wagga Wagga | 164409 | 1982 | Premise Match | 96m | South |
| | LOCAL BODIES | Wagga Fire Station, 40 The Esplanade Wagga | 593462 | 1970 | Premise Match | 96m | South |
| | LOCAL BODIES | Wagga Fire Station, 40 The Esplanade, Wagga Wagga | 230252 | 1961 | Premise Match | 96m | South |
| 12 | ARCHITECTS | Graves, John P., Moxam & Partners, 4 - 24 The Esplanade., Wagga Wagga | 163347 | 1982 | Premise Match | 99m | South |
| 13 | ARCHITECTS. | O'Halloran Design Pty. Ltd., 20 The Esplanade, Wagga Wagga | 214064 | 1991 | Premise Match | 104m | South |
| | ARCHITECTS | O'Halloran, S. & Associates, 20 The Esplanade., Wagga Wagga | 163348 | 1982 | Premise Match | 104m | South |
| 14 | ASSOCIATIONS &/OR SOCIETIES. | Country Womens Association., 74 Johnston St, Wagga Wagga | 214071 | 1991 | Premise Match | 105m | North East |
| | ASSOCIATIONS, SOCIETIES, CLUBS &/OR SPORTING BODIES | Country Womens Association, 74 Johnston St., Wagga Wagga | 163356 | 1982 | Premise Match | 105m | North East |
| | ASSOCIATIONS, SOCIETIES, CLUBS &. SPORTING BODIES | Country Women's Association, 74 Johnston St. Wagga | 592553 | 1970 | Premise Match | 105m | North East |
| 15 | SOLICITORS | Houen Ireland Goldsmith Roberts & Paul., 73 Johnston St, Wagga Wagga | 217532 | 1991 | Premise Match | 106m | North East |
| 16 | PAINTERS, PAPERHANGERS & DECORATORS | Versteeg, J. T., 14 Freer St. Wagga | 593812 | 1970 | Premise Match | 119m | West |
| 17 | FINANCIERS &/OR FINANCE AGENTS. | Wagga Finance House., 12 Trail St Wagga Wagga | 214919 | 1991 | Premise Match | 122m | North East |
| | FINANCE - MONEY MARKET DEALERS. | Wagga Finance House., 12 Trail St, Wagga Wagga | 214917 | 1991 | Premise Match | 122m | North East |
| | FINANCE BROKERS. | Wagga Finance House., 12 Trail St, Wagga Wagga | 214916 | 1991 | Premise Match | 122m | North East |
| | FINANCIERS &/OR FINANCE AGENTS. | Wagga Finance House., 12 Trail St, Wagga Wagga | 214930 | 1991 | Premise Match | 122m | North East |
| | MEDICAL PRACTITIONERS | Ratner, J. L., 12 Trail St. Wagga | 593491 | 1970 | Premise Match | 122m | North East |
| | MEDICAL PRACTITIONERS | Ratner, J. L., 12 Trail St., Wagga Wagga | 230275 | 1961 | Premise Match | 122m | North East |
| 18 | MUSIC TEACHERS | Campbell, L. Miss, 14 Trail St. Wagga | 593769 | 1970 | Premise Match | 131m | North |
| | MUSIC TEACHERS | Campbell, Miss L., 14 Trail St. Wagga Wagga | 175669 | 1950 | Premise Match | 131m | North |
| 19 | ASSOCIATIONS &/OR SOCIETIES. | Southern District Racing Association., 60 Gurwood St, Wagga Wagga | 214081 | 1991 | Premise Match | 135m | North |
| | ASSOCIATIONS, SOCIETIES, CLUBS &/OR SPORTING BODIES | Southern District Racing Association, 60 Gurwood St., Wagga Wagga | 163365 | 1982 | Premise Match | 135m | North |
| | RADIOLOGISTS | Kenny, R. Hamilton, 60 Gurwood St. Wagga | 593921 | 1970 | Premise Match | 135m | North |
| | ASSOCIATIONS, SOCIETIES, CLUBS &. SPORTING BODIES | Southern District Racing Association, 60 Gurwood St. Wagga | 592562 | 1970 | Premise Match | 135m | North |
| | MEDICAL PRACTITIONERS | Kenny, R. Hamilton, 60 Gurwood St., Wagga Wagga | 230267 | 1961 | Premise Match | 135m | North |
| | RADIOLOGISTS | Moxham, Dr. L. A., 60 Gurwood St., Wagga Wagga | 230718 | 1961 | Premise Match | 135m | North |

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Property Boundary or Road Intersection | Direction |
|--------|-----------------------|---|---------|------|---------------------|--|-----------|
| 19 | MEDICAL PRACTITIONERS | Moxham, L. A., 60 Gurwood St., Wagga Wagga | 230273 | 1961 | Premise Match | 135m | North |
| | MEDICAL PRACTITIONERS | Stabback, Dr. R. J. and Moxham, Dr. L. A., 60 Gurwood St. Wagga Wagga | 175445 | 1950 | Premise Match | 135m | North |

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Business Directory Records 1950-1991

Road or Area Matches

Universal Business Directory records from years 1991, 1982, 1970, 1961 & 1950, 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:

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|--------|---|--|---------|------|---------------------|-----------------------------------|
| 20 | GOVERNMENT DEPARTMENTS. | Agriculture Dept Of., Johnston St, Wagga Wagga | 215158 | 1991 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS. | Child & Social Welfare Dept Of., Johnston St, Wagga Wagga | 215163 | 1991 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS. | Education Dept Of., Johnston St, Wagga Wagga | 215170 | 1991 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS. | Forestry Commission., Johnston St, Wagga Wagga | 215173 | 1991 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS. | Lands Dept Of., Johnston St, Wagga Wagga | 215180 | 1991 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS. | Mines Dept Of., Johnston St, Wagga Wagga | 215184 | 1991 | Road Match | 0m |
| | LOCAL BODIES | Mummbmgee District Ambulance Station., Johnston St, Wagga Wagga | 215591 | 1991 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS. | Public Health Dept Of., Johnston St, Wagga Wagga | 215190 | 1991 | Road Match | 0m |
| | SCHOOLS &/OR COLLEGES - PRIVATE &/OR PUBLIC | Riverina College Of Advanced Education., Johnston St, Wagga Wagga | 217393 | 1991 | Road Match | 0m |
| | SCHOOLS &/OR COLLEGES - PRIVATE &/OR PUBLIC | St Michaels Primary School., Johnston St, Wagga Wagga | 217396 | 1991 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS. | Valuer Generals Dept., Johnston St, Wagga Wagga | 215194 | 1991 | Road Match | 0m |
| | CAMPING GROUNDS &/OR CARAVAN PARKS. | Wagga Caravan Park., Johnston St, Wagga Wagga | 214387 | 1991 | Road Match | 0m |
| | HOLIDAY ACCOMMODATION. | Wagga Caravan Park., Johnston St, Wagga Wagga | 215344 | 1991 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Agriculture, Dept. of, Johnston St., Wagga Wagga | 164129 | 1982 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Child & Social Welfare, Dept. of, Johnston St., Wagga Wagga | 164132 | 1982 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Education, Dept. of, Johnston St., Wagga Wagga | 164139 | 1982 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Forestry Commission, Johnston St., Wagga Wagga | 164142 | 1982 | Road Match | 0m |
| | SCHOOLS - KINDERGARTEN, DAY NURSERY | Kangaroo Pre School, Johnston St., Wagga Wagga | 165072 | 1982 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Lands, Dept. of, Johnston St., Wagga Wagga | 164150 | 1982 | Road Match | 0m |
| | SOLICITORS | Lisle, G. & Houen, Johnston St., Wagga Wagga | 165128 | 1982 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Mines, Dept. of, Johnston St., Wagga Wagga | 164154 | 1982 | Road Match | 0m |
| | LOCAL BODIES. | Murrumbidgee District Ambulance Station, Johnston St., Wagga Wagga | 164412 | 1982 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Public Health, Dept. of, Johnston St., Wagga Wagga | 164161 | 1982 | Road Match | 0m |
| | SCHOOLS &/OR COLLEGES - PRIVATE &/OR PUBLIC | Riverina College of Advanced Education, Johnston St., Wagga Wagga | 165061 | 1982 | Road Match | 0m |
| | ASSOCIATIONS, SOCIETIES, CLUBS &/OR SPORTING BODIES | Royal Life Saving Society, Johnston St., Wagga Wagga | 163362 | 1982 | Road Match | 0m |
| | SCHOOLS &/OR COLLEGES - PRIVATE &/OR PUBLIC | St. Michaels Primary School, Johnston St., Wagga Wagga | 165064 | 1982 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Valuer Generals Dept., Johnston St., Wagga Wagga | 164166 | 1982 | Road Match | 0m |
| | CAMPING GROUNDS &/OR CARAVAN PARKS | Wagga Caravan Park, Johnston St., Wagga Wagga | 163622 | 1982 | Road Match | 0m |

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|--------|---|--|---------|------|---------------------|-----------------------------------|
| 20 | GOVERNMENT DEPARTMENTS | Crown Land Agent, Johnston St. Wagga | 593197 | 1970 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Department of Lands, Johnston St. Wagga | 593202 | 1970 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Department of Mines, Johnston St. Wagga | 593203 | 1970 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Forestry Commission, Johnston St. Wagga | 593208 | 1970 | Road Match | 0m |
| | SCHOOLS & COLLEGES-PRIVATE & PUBLIC | St. Joseph's Primary School, Johnston St. Wagga | 593967 | 1970 | Road Match | 0m |
| | CAMPING GROUNDS &/OR CARAVAN PARKS | Wagga Caravan Park, Johnston St. Wagga | 592812 | 1970 | Road Match | 0m |
| | LOCAL BODIES | Wagga District Ambulance Station, Johnston St. Wagga | 593461 | 1970 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Child Welfare (Department of), Johnston St., Wagga Wagga | 230006 | 1961 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Crown Land Agent, Johnston St., Wagga Wagga | 230009 | 1961 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Department of Lands, Johnston St., Wagga Wagga | 230016 | 1961 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Department of Mines, Johnston St., Wagga Wagga | 230013 | 1961 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Local Land Board, Johnston St., Wagga Wagga | 230023 | 1961 | Road Match | 0m |
| | MEDICAL PRACTITIONERS | Smith, A. F., Johnston St., Wagga Wagga | 230279 | 1961 | Road Match | 0m |
| | ELECTRICAL CONTRACTORS-LICENSED | Smith, T. P., Johnson St., Wagga Wagga | 229814 | 1961 | Road Match | 0m |
| | SCHOOLS & COLLEGES-PRIVATE & PUBLIC | St., Joseph's Primary School, Johnston St., Wagga Wagga | 230753 | 1961 | Road Match | 0m |
| | LOCAL BODIES | Wagga District Ambulance Station, Johnston St., Wagga Wagga | 230251 | 1961 | Road Match | 0m |
| | CLUBS & SPORTS BODIES | Wagga Squash Courts, Johnston St., Wagga Wagga | 229708 | 1961 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Crown Land Agent, Johnston St. Wagga Wagga | 174007 | 1950 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Local Land Board, Johnston St. Wagga Wagga | 174012 | 1950 | Road Match | 0m |
| | MEDICAL PRACTITIONERS | Smith, Dr. A. F., Johnston St. Wagga Wagga | 175444 | 1950 | Road Match | 0m |
| 21 | GOVERNMENT DEPARTMENTS | Main Roads (Department of), Simmons St. Wagga Wagga | 174013 | 1950 | Road Match | 0m |
| | GOVERNMENT DEPARTMENTS | Main Roads (Department of), Simmons St. Wagga Wagga | 174013 | 1950 | Road Match | 0m |
| 22 | ASSOCIATIONS &/OR SOCIETIES. | Crippled Childrens Society N.S.W. (Riverina Branch)., 4 The Esplanade, Wagga Wagga | 214072 | 1991 | Road Match | 70m |
| | ASSOCIATIONS, SOCIETIES, CLUBS &/OR SPORTING BODIES | Crippled Childrens Society N.S.W, 4 The Esplanade., Wagga Wagga | 163357 | 1982 | Road Match | 70m |
| | ARCHITECTS | O'Halloran, S. & Associates, The Esplanade Wagga | 592544 | 1970 | Road Match | 70m |
| | SOFT DRINK & CORDIAL MFRS. | Sheekeys (Wagga) Pty. Ltd., Esplanade Wagga | 594016 | 1970 | Road Match | 70m |
| | BREWERS & MALSTERS | Tooth and Co. Ltd., The Esplanade Wagga | 592689 | 1970 | Road Match | 70m |
| | AERATED WATER & CORDIAL MANUFACTURERS | Sheekey's (Wagga Wagga) Pty. Ltd., The Esplanade, Wagga Wagga | 229325 | 1961 | Road Match | 70m |
| | BREWERS & MALSTERS | Tooth and Co. Ltd., The Esplanade, Wagga Wagga | 229474 | 1961 | Road Match | 70m |
| | CORDIAL MANUFACTURERS | Sheekey's (Wagga Wagga) Pty. Ltd., The Esplanade Wagga Wagga | 173748 | 1950 | Road Match | 70m |
| 23 | LOCAL BODIES | Wagga Fire Station, Morrow St. Wagga Wagga | 175413 | 1950 | Road Match | 119m |
| 24 | GROCERS & GENERAL STOREKEEPERS | Central Cash Store, Best St., Wagga Wagga | 230037 | 1961 | Road Match | 123m |

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|--------|---|---|---------|------|---------------------|-----------------------------------|
| 24 | DANCING TEACHERS | Wallace, Miss, Best St., Wagga Wagga | 229738 | 1961 | Road Match | 123m |
| | DANCING TEACHERS | Wallace, Miss, Best St. Wagga Wagga | 173764 | 1950 | Road Match | 123m |
| 25 | ACCOUNTANTS & AUDITORS. | Haste R. W. & Associates., 22 Trail St, Wagga Wagga | 213953 | 1991 | Road Match | 146m |
| | BUILDING ALTERATIONS &/OR REPAIRS. | Mr. Fix-It (Waggs)., 56 Trail St, Wagga Wagga | 214305 | 1991 | Road Match | 146m |
| | MEDICAL PRACTITIONERS | Ratner, J. L., Trail St., Wagga Wagga | 164449 | 1982 | Road Match | 146m |
| | MOTOR ACCESSORIES & SPARE PARTS DEALERS | Minty's Motor Garage, Trail St. Wagga | 593600 | 1970 | Road Match | 146m |
| | MOTOR CAR & TRUCK DEALERS-NEW & USED | Minty's Motor Garage, Trail St. Wagga | 593640 | 1970 | Road Match | 146m |
| | MOTOR GARAGES & ENGINEERS | Minty's Motor Garage, Trail St. Wagga | 593696 | 1970 | Road Match | 146m |
| | MOTOR TOWING SERVICES | Minty's Motor Garage, Trail St. Wagga | 593757 | 1970 | Road Match | 146m |

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Dry Cleaners, Motor Garages & Service Stations

1 Simmons Street, Wagga Wagga, NSW 2650



Historical Business Directories

1 Simmons Street, Wagga Wagga, NSW 2650

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.

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Property Boundary or Road Intersection | Direction |
|--------|--|--|---------|------|---------------------|--|------------|
| 1 | MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS | Mintys Motor Garage, 19 Trail St., Wagga Wagga | 164672 | 1982 | Premise Match | 223m | North East |
| 2 | MOTOR GARAGES & ENGINEERS | Central Wagga Auto Port, 48 Gurwood St. Wagga | 593678 | 1970 | Premise Match | 237m | North |
| | MOTOR SERVICE STATIONS-PETROL, OIL, ETC. | Minty's Motor Garage, 42 Gurwood St., , Wagga Wagga | 230543 | 1961 | Premise Match | 237m | North |
| | MOTOR GARAGES & ENGINEERS | Minty's Motor Garage, 42-46 Gurwood St., Wagga Wagga | 230490 | 1961 | Premise Match | 237m | North |
| | MOTOR GARAGES & ENGINEERS | Minty's Motor Garage, 42-46 Gurwood St. Wagga Wagga | 175594 | 1950 | Premise Match | 237m | North |
| 3 | MOTOR GARAGES & SERVICE STATIONS. | Mobil Northside Service Station., 61 Johnston St, Wagga Wagga | 215939 | 1991 | Premise Match | 248m | North East |
| | MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS | BP Johnston Street Service Station, 61 Johnston St., Wagga Wagga | 164648 | 1982 | Premise Match | 248m | North East |
| | MOTOR SERVICE STATIONS-PETROL, OIL, ETC. | Tabers Service Station, 61 Johnston St. Wagga | 593743 | 1970 | Premise Match | 248m | North East |
| | MOTOR SERVICE STATIONS-PETROL, OIL, ETC. | Tabers Service Station, 61 Johnston St., , Wagga Wagga | 230548 | 1961 | Premise Match | 248m | North East |
| 4 | DRY CLEANERS, DYERS & PRESSERS | Riverina Laundry & Dry Cleaning Co. Invermoy Ave. & 216 Baylis St. Wagga Wagga | 173821 | 1950 | Premise Match | 284m | South East |
| | DRY CLEANERS, DYERS & PRESSERS | Riverina Laundry and Dry Cleaning Co., 216 Baylis St., Wagga Wagga | 173827 | 1950 | Premise Match | 284m | South East |
| 5 | DRY CLEANERS & PRESSERS | American Dry Cleaning Depot. Australian Arc Fitzmaurice St., Wagga Wagga | 163860 | 1982 | Premise Match | 319m | North East |
| 6 | MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS | Great Southern Motors Pty. Ltd., 237 Baylis St., Wagga Wagga | 164660 | 1982 | Premise Match | 343m | East |
| | MOTOR GARAGES & ENGINEERS | Great Southern Motors Pty. Ltd., 237 Baylis St. Wagga | 593686 | 1970 | Premise Match | 343m | East |
| | MOTOR GARAGES & ENGINEERS | Great Southern Motors Pty. Ltd. (The), 237-247 Baylis St., Wagga Wagga | 230482 | 1961 | Premise Match | 343m | East |
| | MOTOR GARAGES & ENGINEERS | Great Southern Motors Pty. Ltd. (The), 237-247 Baylis St. Wagga Wagga | 175590 | 1950 | Premise Match | 343m | East |
| 7 | MOTOR SERVICE STATIONS-PETROL, OIL, ETC. | Hand, R., 225 Baylis St. Wagga | 593738 | 1970 | Premise Match | 350m | East |
| 8 | MOTOR GARAGES & ENGINEERS | Rae, E. V., 219 Baylis St., Wagga Wagga | 230495 | 1961 | Premise Match | 355m | East |
| | MOTOR GARAGES & ENGINEERS | Rae, E. V., 219 Baylis St. Wagga Wagga | 175601 | 1950 | Premise Match | 355m | East |
| 9 | MOTOR GARAGES & SERVICE STATIONS. | Main St Service Staton., 209 Baylis St, Wagga Wagga | 215938 | 1991 | Premise Match | 367m | South East |

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Property Boundary or Road Intersection | Direction |
|--------|--|---|---------|------|---------------------|--|------------|
| 9 | MOTOR GARAGES &/OR ENGINEERS &/OR SERVICE STATIONS | Main Street Service Station, 209 Baylis St., Wagga Wagga | 164670 | 1982 | Premise Match | 367m | South East |
| | MOTOR SERVICE STATIONS-PETROL, OIL, ETC. | Peter's Service Station, 209-213 Baylis St. Wagga | 593742 | 1970 | Premise Match | 367m | South East |
| 10 | DRY CLEANERS & PRESSERS. | American Dry Gleaning & Laundry Co. Pty. Ltd., 25 Fitzmaurice St, Wagga Wagga | 214735 | 1991 | Premise Match | 386m | East |
| | DRY CLEANERS & PRESSERS | American Dry Cleaning & Laundry Co. Pty. Ltd. 25 Fitzmaurice St., Wagga Wagga | 163859 | 1982 | Premise Match | 386m | East |
| 11 | DRY CLEANERS, PRESSERS & DYERS | American Dry Cleaning & Laundry Co. Pty. Ltd., 27 Fitzmaurice St. Wagga | 592978 | 1970 | Premise Match | 386m | East |
| | DRY CLEANERS, PRESSERS & DYERS | American Dry Cleaners, 27 Fitzmaurice St., Wagga Wagga | 229785 | 1961 | Premise Match | 386m | East |
| | DRY CLEANERS, DYERS & PRESSERS | American Dry Cleaning and Laundry, 27 Fitzmaurice St. Wagga Wagga | 173822 | 1950 | Premise Match | 386m | East |
| 12 | DRY CLEANERS, DYERS & PRESSERS | Riverina Laundry and Dry Cleaning Co., 13 Gurwood St. Wagga Wagga | 173829 | 1950 | Premise Match | 387m | North East |
| 13 | MOTOR SERVICE STATIONS-PETROL, OIL, ETC. | Rava, M. & Co., 189 Baylis St., Wagga Wagga | 230545 | 1961 | Premise Match | 397m | South East |
| 14 | DRY CLEANERS, PRESSERS & DYERS | Byrnes Koorringal, 7a Gurwood St. Wagga | 592979 | 1970 | Premise Match | 413m | North East |
| | DRY CLEANERS, PRESSERS & DYERS | Byrnes Bros., 7a Gurwood St., Wagga Wagga | 229786 | 1961 | Premise Match | 413m | North East |
| | DRY CLEANERS, DYERS & PRESSERS | Byrnes Bros. 7a Gurwood St. Wagga Wagga | 173820 | 1950 | Premise Match | 413m | North East |
| | DRY CLEANERS, DYERS & PRESSERS | Byrnes Bros., 7a Gurwood St. Wagga Wagga | 173823 | 1950 | Premise Match | 413m | North East |
| 15 | DRY CLEANERS, PRESSERS & DYERS | City Tailors, 120 Fitzmaurice St., Wagga Wagga | 229787 | 1961 | Premise Match | 448m | North |
| 16 | DRY CLEANERS, DYERS & PRESSERS | Riverina Laundry and Dry Cleaning Co., 83 Fitzmaurice St., Wagga Wagga | 173826 | 1950 | Premise Match | 450m | North East |
| 17 | MOTOR GARAGES & ENGINEERS | Olsen's Car Laundry, Rear Neslo Arc., 159 Baylis St., Wagga Wagga | 230492 | 1961 | Premise Match | 474m | South East |
| 18 | MOTOR GARAGES & ENGINEERS | Hartwig, B. G. & Co. Pty. Ltd., 135-139 Baylis St. Wagga | 593689 | 1970 | Premise Match | 483m | South East |
| | MOTOR GARAGES & ENGINEERS | Hartwig, B. G. & Co. Pty. Ltd., 135-139 Baylis St., Wagga Wagga | 230485 | 1961 | Premise Match | 483m | South East |
| | MOTOR SERVICE STATIONS-PETROL, OIL, ETC. | Hartwig, B. G. & Co. Pty. Ltd., 135-139 Baylis St., Wagga Wagga | 230539 | 1961 | Premise Match | 483m | South East |
| | MOTOR GARAGES & ENGINEERS | Hartwig, B. G. and Co., 141 Baylis St. Wagga Wagga | 175591 | 1950 | Premise Match | 483m | South East |
| 19 | MOTOR GARAGES & ENGINEERS | Wagga Motors Pty. Ltd., 126-128 Fitzmaurice St. Wagga | 593704 | 1970 | Premise Match | 493m | North |
| | MOTOR GARAGES & ENGINEERS | Wagga Motors Pty. Ltd., 126-128 Fitzmaurice St., Wagga Wagga | 230500 | 1961 | Premise Match | 493m | North |
| | MOTOR GARAGES & ENGINEERS | Wagga Motors Pty. Ltd., 126-128 Fitzmaurice St. Wagga Wagga | 175603 | 1950 | Premise Match | 493m | North |

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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.

| Map Id | Business Activity | Premise | Ref No. | Year | Location Confidence | Distance to Road Corridor or Area |
|--------|---------------------------|--|---------|------|---------------------|-----------------------------------|
| 20 | MOTOR GARAGES & ENGINEERS | Minty's Motor Garage, Trail St. Wagga | 593696 | 1970 | Road Match | 146m |
| 21 | MOTOR GARAGES & ENGINEERS | Shell Service Station, Gurwood St. Wagga | 593700 | 1970 | Road Match | 193m |
| 22 | MOTOR GARAGES & ENGINEERS | West, E. W. and Sons, Sturt St., Wagga Wagga | 230502 | 1961 | Road Match | 438m |
| | MOTOR GARAGES & ENGINEERS | West, E. W. and Sons, Sturt St. Wagga Wagga | 175604 | 1950 | Road Match | 438m |
| 23 | MOTOR GARAGES & ENGINEERS | Airport Service Station, Tarcutta St., Wagga Wagga | 230469 | 1961 | Road Match | 487m |
| | MOTOR GARAGES & ENGINEERS | Airport Service Station, Tarcutta St. Wagga Wagga | 175583 | 1950 | Road Match | 487m |

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Aerial Imagery 2020

1 Simmons Street, Wagga Wagga, NSW 2650



Scale:
0 25 50 75 100
Meters

Data Sources: Aerial Imagery © Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 56

Date: 09 July 2020



| | | | |
|------------------------------------|--|--|--------------------|
| Scale: 0 25 50 75 100 Meters | Data Source Aerial Imagery: © 2020 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc. | Coordinate System: GDA 1994 MGA Zone 56 | Date: 07 July 2020 |
|------------------------------------|--|--|--------------------|

Aerial Imagery 1997

1 Simmons Street, Wagga Wagga, NSW 2650



Aerial Imagery 1990

1 Simmons Street, Wagga Wagga, NSW 2650



Aerial Imagery 1980

1 Simmons Street, Wagga Wagga, NSW 2650



| | | | |
|------------------------------------|---|--|--------------------|
| Scale: 0 25 50 75 100 Meters | Data Source Aerial Imagery: © NSW Department of Customer Service | Coordinate System: GDA 1994 MGA Zone 56 | Date: 07 July 2020 |
|------------------------------------|---|--|--------------------|

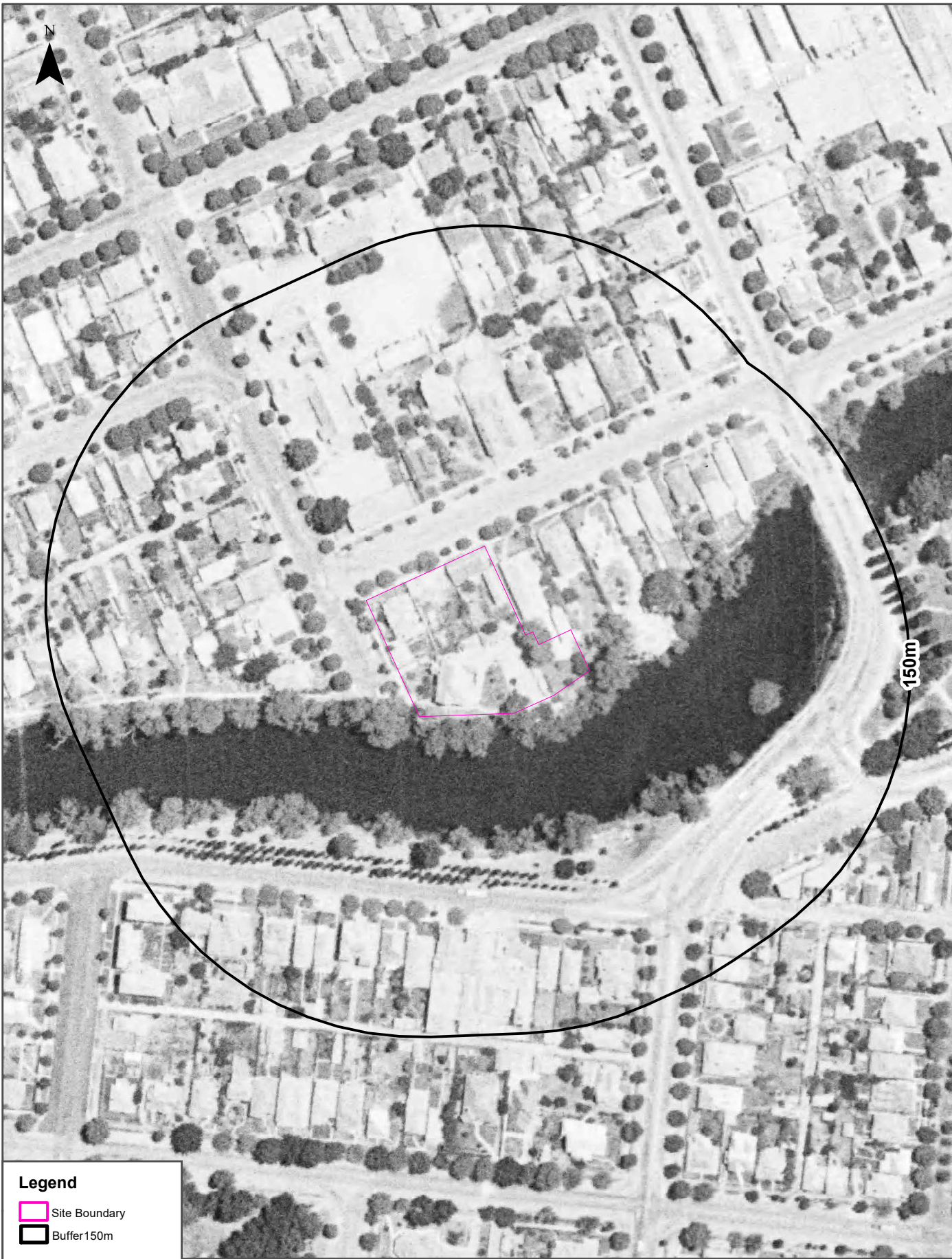
Aerial Imagery 1971

1 Simmons Street, Wagga Wagga, NSW 2650



Aerial Imagery 1966

1 Simmons Street, Wagga Wagga, NSW 2650



| | | | |
|------------------------------------|---|--|--------------------|
| Scale: 0 25 50 75 100 Meters | Data Source Aerial Imagery: © NSW Department of Customer Service | Coordinate System: GDA 1994 MGA Zone 56 | Date: 07 July 2020 |
|------------------------------------|---|--|--------------------|

Aerial Imagery 1953

1 Simmons Street, Wagga Wagga, NSW 2650



| | | |
|---|--|--------------------|
| Data Source Aerial Imagery: © NSW Department of Customer Service | Coordinate System: GDA 1994 MGA Zone 56 | Date: 07 July 2020 |
|---|--|--------------------|

Aerial Imagery 1944

1 Simmons Street, Wagga Wagga, NSW 2650



| | | | |
|------------------------------------|---|--|--------------------|
| Scale: 0 25 50 75 100 Meters | Data Source Aerial Imagery: © NSW Department of Customer Service | Coordinate System: GDA 1994 MGA Zone 56 | Date: 07 July 2020 |
|------------------------------------|---|--|--------------------|

Topographic Map 2015

1 Simmons Street, Wagga Wagga, NSW 2650



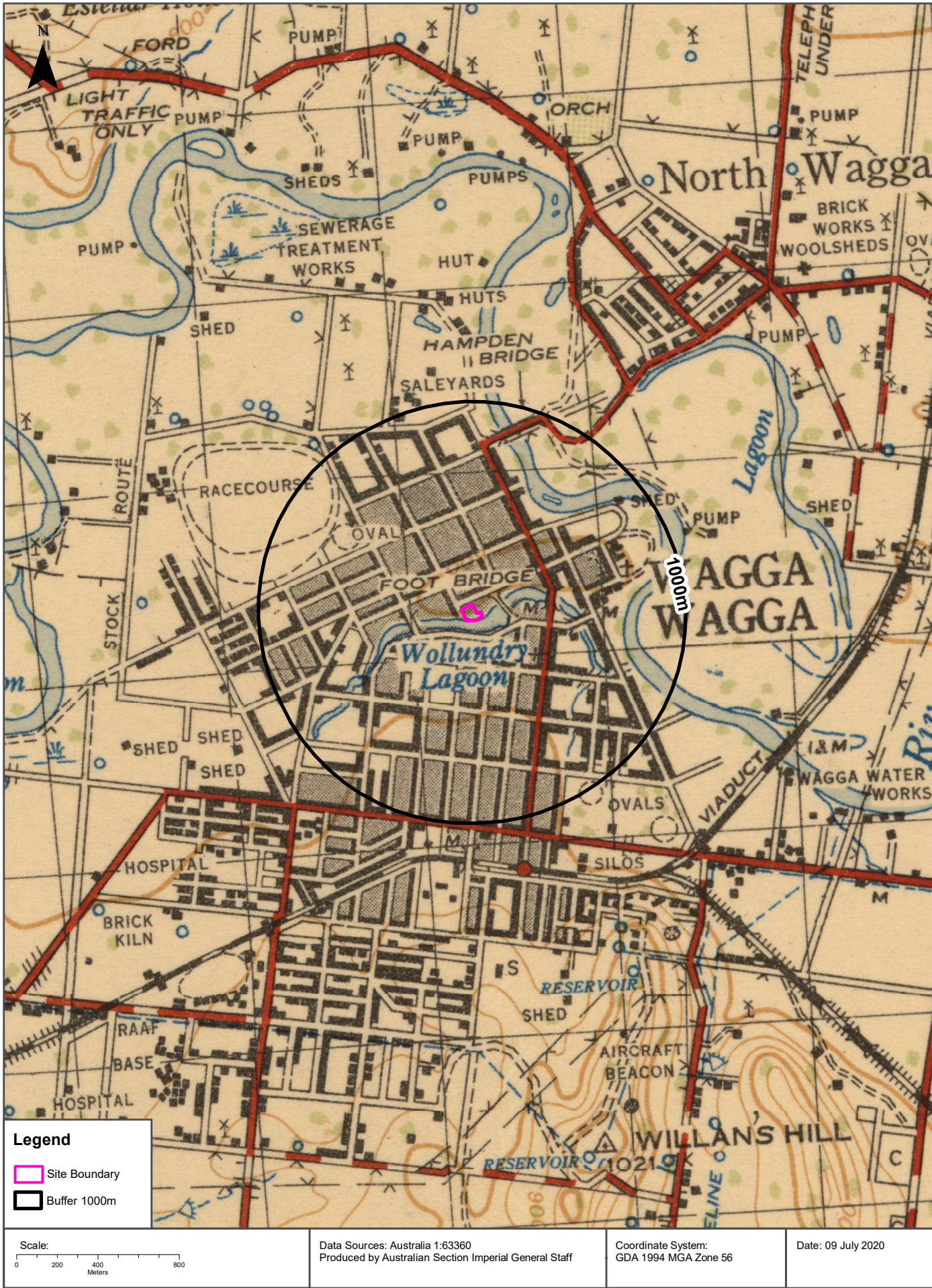
Historical Map 1982

1 Simmons Street, Wagga Wagga, NSW 2650



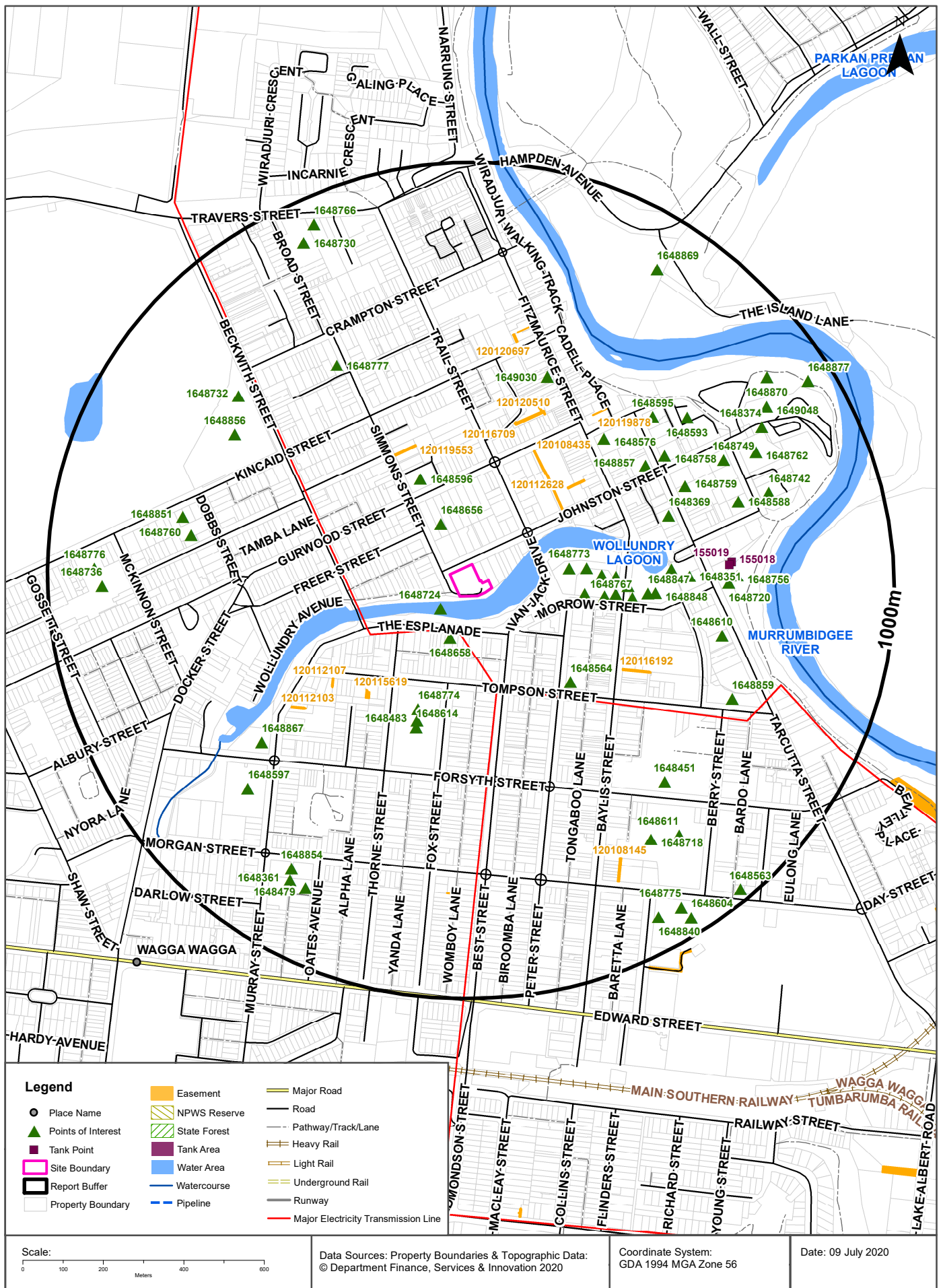
Historical Map c.1946

1 Simmons Street, Wagga Wagga, NSW 2650



Topographic Features

1 Simmons Street, Wagga Wagga, NSW 2650



Topographic Features

1 Simmons Street, Wagga Wagga, NSW 2650

Points of Interest

What Points of Interest exist within the dataset buffer?

| Map Id | Feature Type | Label | Distance | Direction |
|---------|----------------------------|---|----------|------------|
| 1648724 | Manmade Waterbody | WOLLUNDRY LAGOON | 57m | South West |
| 1648658 | Fire Station | WAGGA WAGGA FIRE STATION | 105m | South |
| 1648656 | Primary School | WAGGA WAGGA PUBLIC SCHOOL | 123m | North West |
| 1648773 | Picnic Area | VICTORY MEMORIAL GARDENS PLAYGROUND | 198m | East |
| 1648617 | Park | WAGGA WAGGA NATIONAL SERVICEMENS MONUMENT | 231m | East |
| 1648592 | Park | VICTORY MEMORIAL GARDENS | 240m | East |
| 1648596 | Club | WAGGA WAGGA COMMERCIAL CLUB | 247m | North West |
| 1648619 | Monument | WAGGA WAGGA VIETNAM WAR MEMORIAL | 274m | East |
| 1648615 | Monument | WAGGA WAGGA RAAF MEMORIAL | 280m | East |
| 1648774 | Park | COLLINS PARK PLAYGROUND | 299m | South |
| 1648564 | Sports Centre | TEN PIN BOWLING CENTRE | 305m | South East |
| 1648613 | Monument | VICTORY MEMORIAL GARDENS CENOTAPH | 308m | East |
| 1648755 | Monument | WAGGA WAGGA WAR MEMORIAL | 309m | East |
| 1648483 | Park | COLLINS PARK | 326m | South |
| 1648616 | Monument | WAGGA WAGGA RAAF MEMORIAL | 338m | East |
| 1648614 | Monument | WAGGA WAGGA PALAZZI WAR MEMORIAL | 343m | South |
| 1648603 | Museum | MUSEUM OF THE RIVERINA | 349m | East |
| 1648767 | Local Government Chambers | WAGGA WAGGA CITY COUNCIL | 349m | East |
| 1648847 | Art Gallery | WAGGA WAGGA ART GALLERY | 388m | East |
| 1648848 | Library | WAGGA WAGGA LIBRARY | 406m | East |
| 1648866 | Park | CIVIC PRECINCT | 448m | East |
| 1648576 | Court House | WAGGA WAGGA COURT HOUSE | 453m | North East |
| 1648369 | Community Facility | SENIORS COMMUNITY CENTRE | 474m | East |
| 1648857 | Place Of Worship | UNITING CHURCH | 483m | North East |
| 1648351 | Community Facility | WAGGA WAGGA CIVIC THEATRE | 491m | East |
| 1649030 | High School | INDIE SCHOOL WAGGA | 502m | North |
| 1648758 | Police Station | WAGGA WAGGA POLICE STATION | 536m | North East |
| 1648759 | Primary School | ST JOSEPH'S PRIMARY SCHOOL | 541m | North East |
| 1648595 | Club | RIVERINE CLUB (THE) | 575m | North East |
| 1648610 | Place Of Worship | BAPTIST CHURCH | 584m | East |
| 1648720 | Tourist Information Centre | WAGGA WAGGA VISITOR INFORMATION CENTRE | 588m | East |

| Map Id | Feature Type | Label | Distance | Direction |
|---------|-----------------------------|---------------------------------|----------|------------|
| 1648777 | Park | SIMMONS STREET PLAYGROUND | 591m | North West |
| 1648756 | Park | Park | 610m | East |
| 1648867 | Park | WOLLUNDRIY LAGOON | 611m | South West |
| 1648856 | Sports Field | WAGGA WAGGA CRICKET GROUND | 638m | North West |
| 1648593 | Retirement Village | BISHOP DWYER RETIREMENT VILLAGE | 638m | North East |
| 1648451 | Shopping Centre | STURT MALL | 646m | South East |
| 1648588 | Place Of Worship | PRESBYTERIAN CHURCH | 648m | East |
| 1648760 | Club | WAGGA RSL CLUB | 650m | West |
| 1648749 | Place Of Worship | CATHOLIC CHURCH | 656m | North East |
| 1648859 | Park | TONY IRELAND PARK | 658m | South East |
| 1648851 | Sports Field | BOWLING GREENS | 679m | West |
| 1648732 | Sports Court | TENNIS COURTS | 688m | North West |
| 1648597 | Post Office | WAGGA WAGGA SOUTH POST OFFICE | 712m | South West |
| 1648742 | Place Of Worship | ANGLICAN CHURCH | 727m | East |
| 1648762 | Retirement Village | WATERMARK WAGGA WAGGA | 737m | North East |
| 1648718 | Post Office | WAGGA WAGGA POST OFFICE | 739m | South East |
| 1648611 | Shopping Centre | WAGGA WAGGA MARKETPLACE | 771m | South East |
| 1648374 | Tourist Park / Home Village | WAGGA WAGGA BEACH CARAVAN PARK | 778m | North East |
| 1648854 | Sports Court | TENNIS COURTS | 796m | South West |
| 1649048 | Park | CABARITA PARK | 814m | North East |
| 1648479 | Park | OATES AVENUE PLAYGROUND | 820m | South West |
| 1648361 | Community Facility | SOUTH WAGGA TENNIS CLUB | 822m | South West |
| 1648870 | Park | THE BEACH PLAYGROUND | 856m | North East |
| 1648736 | Park | COX PARK | 864m | West |
| 1648869 | Park | NORTH WAGGA FLATS | 866m | North East |
| 1648776 | Park | COX PARK PLAYGROUND | 883m | West |
| 1648730 | Park | SURVEYOR TOWNSEND PARK | 901m | North West |
| 1648840 | Park | ELLIS PARK | 914m | South East |
| 1648775 | Park | OASIS PLAYGROUND | 923m | South East |
| 1648766 | Retirement Village | WAGGA GARDENS | 932m | North West |
| 1648877 | Picnic Area | WAGGA BEACH | 935m | North East |
| 1648604 | Swimming Pool | OASIS AQUATIC CENTRE | 957m | South East |
| 1648563 | Sports Centre | WAGGA SQUASH CENTRE | 971m | South East |

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

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Topographic Features

1 Simmons Street, Wagga Wagga, NSW 2650

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 |
|--------|-----------|-------------|------|------------------|----------|-----------|
| 155019 | Water | Operational | | 21/02/2014 | 593m | East |
| 155018 | Water | Operational | | 21/02/2014 | 599m | East |

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

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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 |
|-----------|----------------|---------------|----------------|----------|------------|
| 120108435 | Primary | Undefined | | 253m | North East |
| 120112628 | Primary | Undefined | | 301m | North East |
| 120119553 | Primary | Undefined | | 325m | North West |
| 120115619 | Primary | Undefined | | 327m | South West |
| 120116709 | Primary | Undefined | | 363m | North |
| 120120510 | Primary | Undefined | | 363m | North |
| 120112107 | Primary | Undefined | | 374m | South West |
| 120116192 | Primary | Undefined | | 382m | South East |
| 120112103 | Primary | Undefined | | 472m | South West |
| 120119878 | Primary | Undefined | | 477m | North East |
| 120120697 | Primary | Undefined | | 563m | North |
| 120116894 | Primary | Undefined | | 737m | South |

| Map Id | Easement Class | Easement Type | Easement Width | Distance | Direction |
|-----------|----------------|---------------|----------------|----------|------------|
| 120108145 | Primary | Undefined | | 741m | South East |

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

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Topographic Features

1 Simmons Street, Wagga Wagga, NSW 2650

State Forest

What State Forest exist within the dataset buffer?

| State Forest Number | State Forest Name | Distance | Direction |
|---------------------|----------------------|----------|-----------|
| N/A | No records in buffer | | |

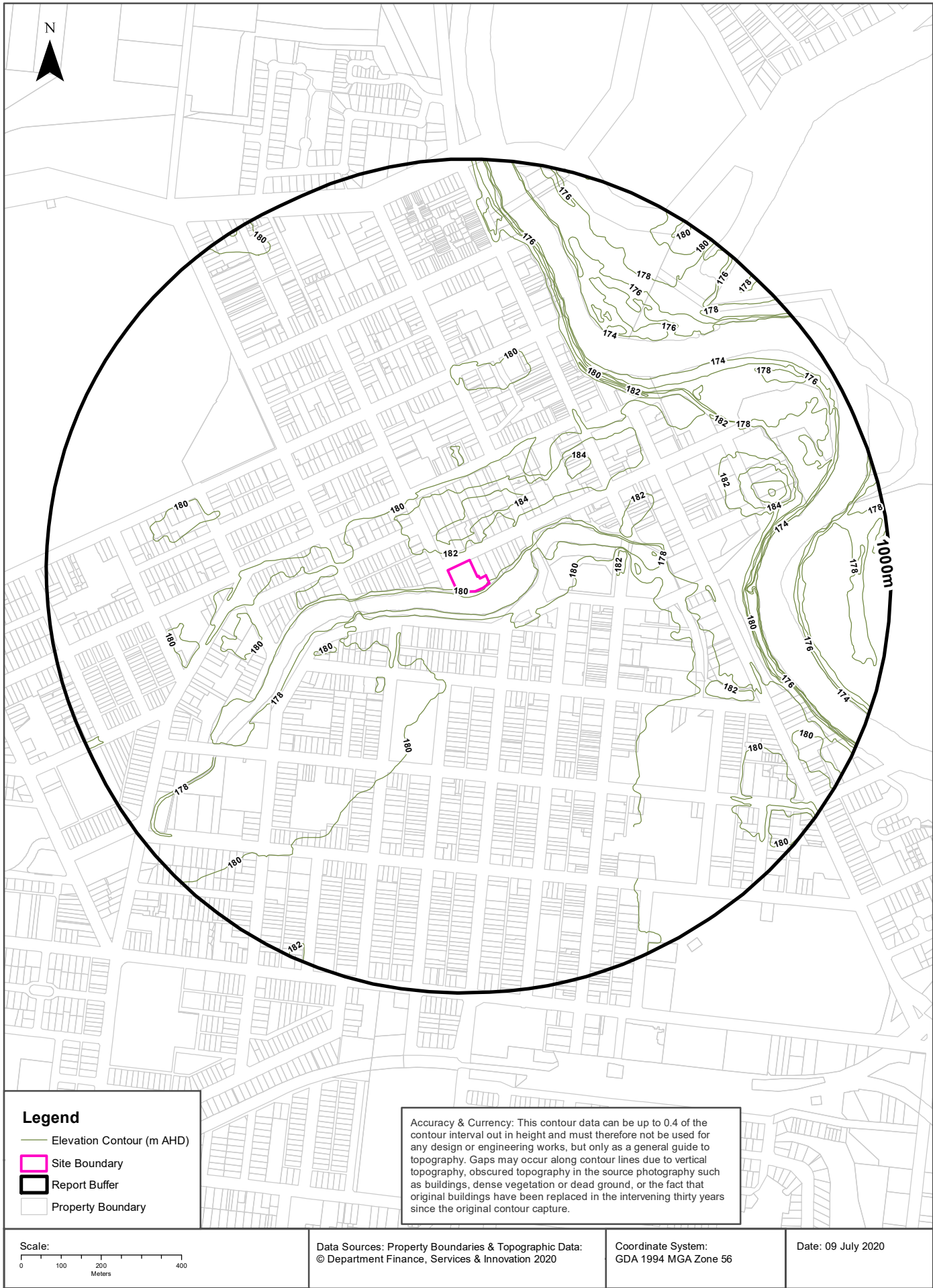
State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)
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National Parks and Wildlife Service Reserves

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: © NSW Department of Finance, Services & Innovation (2018)
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Hydrogeology & Groundwater

1 Simmons Street, Wagga Wagga, NSW 2650

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)

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Botany Groundwater Management Zones

Groundwater management zones relating to the Botany Sand Beds aquifer within the dataset buffer:

| Management Zone No. | Restriction | Distance | Direction |
|---------------------|----------------------|----------|-----------|
| N/A | No records in buffer | | |

Botany Groundwater Management Zones Data Source : NSW Department of Primary Industries

1 Simmons Street, Wagga Wagga, NSW 2650



Hydrogeology & Groundwater

1 Simmons Street, Wagga Wagga, NSW 2650

Groundwater Boreholes

Boreholes within the dataset buffer:

| GW No. | Licence No | Work Type | Owner Type | Authorised Purpose | Intended Purpose | Name | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m bgl) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|-----------|--------------------------|-----------|------------|---------------------------|----------------------------|---------------------------------|---------------|-----------------|-------------------|-----------------|-------------|-------------|------------|------|------------|
| GW416 922 | | | | | Domestic | | 12/04/2018 | 59.00 | | | 0.00 | | | 189m | North |
| GW032 923 | 40BL024 923, 40BL103 023 | Well | Private | Not Known, Waste Disposal | Drainage | | 01/03/1970 | 11.60 | 11.60 | | | | | 279m | North |
| GW414 447 | 40BL191 595 | Bore | Private | Monitoring Bore | Monitoring Bore | | 04/09/2007 | 14.00 | 14.00 | | | | | 432m | East |
| GW414 487 | 40BL191 733 | Bore | Private | Monitoring Bore | Monitoring Bore | | 08/01/2010 | 15.10 | 15.10 | | 11.60 | | | 450m | East |
| GW416 294 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | Wagga Wagga Shire Council - MW3 | 07/01/2010 | 16.00 | 13.00 | | | | | 458m | East |
| GW416 292 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | Wagga Wagga Shire Council - MW2 | 07/01/2010 | 20.50 | 20.50 | | 10.65 | | | 468m | East |
| GW414 485 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 07/01/2010 | 20.50 | 20.50 | | 11.40 | | | 468m | East |
| GW414 488 | 40BL191 733 | Bore | Private | Monitoring Bore | Monitoring Bore | | 07/01/2010 | 19.40 | 19.40 | | 11.20 | | | 481m | East |
| GW025 777 | 40BL016 235 | Well | Private | Domestic | General Use | | 01/04/1965 | 9.10 | 9.10 | | | | | 575m | South West |
| GW401 806 | 40BL188 067 | Bore | | Recreation (groundwater) | Irrigation | | 16/03/2000 | 47.00 | 58.60 | | 13.80 | 8.000 | | 587m | South West |
| GW414 486 | 40BL191 733 | Bore | Private | Monitoring Bore | Monitoring Bore | | 08/01/2010 | 20.50 | 20.50 | | 10.65 | | | 607m | East |
| GW414 676 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 23/01/2008 | 13.00 | 13.00 | 378 | 10.07 | 1.000 | | 607m | East |
| GW414 675 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 23/01/2008 | 12.60 | 13.00 | 2250 | 9.94 | 1.000 | | 613m | East |
| 410101 02 | | | | | UNK | | | | | | | | 183.81 | 634m | South East |
| GW414 673 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 23/01/2008 | 14.00 | 14.50 | 7760 | 9.79 | 1.000 | | 636m | East |
| GW038 137 | 40BL030 446 | Well | Local Govt | Recreation (groundwater) | Recreation (groundwater r) | | | 14.00 | | | | | | 638m | North West |
| GW414 674 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 23/01/2008 | 12.00 | 12.00 | 1775 | 9.81 | 1.000 | | 639m | East |
| GW414 670 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 23/01/2008 | 12.00 | 12.50 | 4350 | 8.97 | 1.000 | | 659m | East |
| GW414 672 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 23/01/2008 | 5.80 | 5.80 | 1912 | 3.46 | 1.000 | | 660m | East |
| GW414 671 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 23/01/2008 | 14.70 | 14.70 | 408 | 9.00 | 1.000 | | 661m | East |
| GW015 092 | 40BL006 922 | Well | Local Govt | Not Known | Industrial | | 01/03/1957 | 7.90 | 7.90 | | | | | 669m | East |
| GW414 669 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 23/01/2008 | 13.00 | 14.80 | 2358 | 9.04 | 1.000 | | 671m | East |
| GW414 668 | 40BL191 733 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 23/01/2008 | 13.00 | 13.00 | 1528 | 9.18 | 1.000 | | 688m | East |

| GW No. | Licence No | Work Type | Owner Type | Authorised Purpose | Intended Purpose | Name | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m bgl) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|----------|------------|-------------------|---------------------|--------------------------------------|--------------------------|--|---------------|-----------------|-------------------|-----------------|-------------|-------------|------------|-------|------------|
| GW026741 | 40BL019153 | Well | Private | Recreation (groundwater) | Recreation (groundwater) | | 01/10/1966 | 14.00 | 14.00 | Good | | | | 707m | West |
| GW047341 | 40BL109063 | Bore | Private | Irrigation, Recreation (groundwater) | Recreation (groundwater) | | 01/04/1978 | 15.80 | 15.80 | 0-500 ppm | | | | 828m | West |
| 410001 | | | | | UNK | | | | | | | | 180.92 | 914m | North |
| GW403418 | 40BL190595 | Bore | | Monitoring Bore | Monitoring Bore | | 16/05/2005 | 28.00 | 28.00 | | | | | 915m | South East |
| GW273167 | | Bore | NSW Office of Water | | Monitoring Bore | GW273167_2 HAMPDEN BRIDGE WAGGA PIPE 2 | 01/06/2010 | 81.00 | 81.00 | | 12.75 | 0.500 | 177.24 | 930m | North |
| GW020474 | 40BL013492 | Well | Private | Domestic, Stock | Domestic, Stock | | 01/05/1963 | 9.40 | 9.40 | | | | 178.53 | 980m | North West |
| GW404279 | 40BL186265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 13/12/2007 | 15.00 | 15.00 | | | | | 1011m | North West |
| GW416212 | 40BL192578 | Bore | Private | Monitoring Bore | Monitoring Bore | | 31/05/2011 | 13.00 | 13.00 | | 12.75 | | | 1014m | South |
| GW416213 | 40BL192578 | Bore | Private | Monitoring Bore | Monitoring Bore | | 31/05/2011 | 13.00 | 13.00 | | 12.70 | | | 1015m | South |
| GW404280 | 40BL186265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 13/12/2007 | 15.00 | 15.00 | | | | | 1015m | North |
| GW403861 | 40BL190382 | Bore | Private | Monitoring Bore | Monitoring Bore | | 14/02/2007 | 15.00 | 15.00 | | 12.82 | | | 1018m | South |
| GW403612 | 40BL189597 | Bore | Private | Irrigation | | | 03/11/2006 | 56.00 | 60.00 | | 16.50 | | | 1025m | North West |
| GW403419 | 40BL190595 | Bore | | Monitoring Bore | Monitoring Bore | | 13/05/2005 | 15.00 | 15.00 | | | | | 1026m | South |
| GW403862 | 40BL190382 | Bore | Private | Monitoring Bore | Monitoring Bore | | 16/02/2007 | 15.00 | 15.00 | | 12.77 | | | 1026m | South |
| GW400407 | 40BL186642 | Bore | | Recreation (groundwater) | Recreation (groundwater) | | 27/10/1997 | 20.60 | 20.60 | | 10.68 | 11.600 | | 1028m | North West |
| GW416211 | 40BL192578 | Bore | Private | Monitoring Bore | Monitoring Bore | | 13/06/2013 | 12.70 | 12.70 | | 9.80 | | | 1041m | South |
| GW403420 | 40BL190595 | Bore | | Monitoring Bore | Monitoring Bore | | 13/05/2005 | 15.00 | 15.00 | | | | | 1045m | South |
| GW403864 | 40BL190382 | Bore | Private | Monitoring Bore | Monitoring Bore | | 14/02/2005 | 14.00 | 14.00 | | 12.57 | | | 1061m | South |
| GW416075 | 40BL189932 | Bore | Private | Monitoring Bore | Monitoring Bore | | 03/05/2012 | 15.00 | 15.00 | | 12.00 | | | 1061m | South |
| GW403863 | 40BL190382 | Bore | Private | Monitoring Bore | Monitoring Bore | | 14/02/2006 | 15.00 | 15.00 | | 12.67 | | | 1062m | South |
| GW416078 | 40BL189932 | Bore | Private | Monitoring Bore | Monitoring Bore | | 03/05/2012 | 14.50 | 14.50 | | 12.00 | | | 1062m | South |
| GW025176 | | Bore - Nested (3) | NSW Office of Water | | Monitoring Bore | | 01/10/1969 | 43.20 | 49.70 | | | | 179.23 | 1066m | East |
| GW403417 | 40BL190595 | Bore | | Monitoring Bore | Monitoring Bore | | 17/05/2005 | 15.00 | 15.00 | | | | | 1068m | South |
| GW403858 | 40BL190382 | Bore | Private | Monitoring Bore | Monitoring Bore | | 15/02/2007 | 15.00 | 15.00 | | 13.73 | | | 1073m | South |
| GW402944 | 40BL189932 | Bore | | Monitoring Bore | Monitoring Bore | | 23/10/2003 | 13.00 | 13.00 | | 10.50 | | | 1074m | South |
| GW402939 | 40BL189932 | Bore | | Monitoring Bore | Monitoring Bore | | 20/01/2004 | 14.00 | 14.00 | | 12.50 | | | 1075m | South |
| GW402940 | 40BL189932 | Bore | | Monitoring Bore | Monitoring Bore | | 22/10/2003 | 14.00 | 14.00 | | 12.50 | | | 1076m | South |
| GW402942 | 40BL189932 | Bore | | Monitoring Bore | Monitoring Bore | | 23/10/2003 | 12.00 | 13.00 | | 11.00 | | | 1076m | South |
| GW402937 | 40BL189932 | Bore | | Monitoring Bore | Monitoring Bore | | 20/01/2004 | 13.00 | 13.00 | | 11.00 | | | 1077m | South |
| GW402938 | 40BL189932 | Bore | | Monitoring Bore | Monitoring Bore | | 20/01/2004 | 14.00 | 14.00 | | 11.00 | | | 1078m | South |

| GW No. | Licence No | Work Type | Owner Type | Authorised Purpose | Intended Purpose | Name | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m bgl) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|-----------|--------------------------|-------------------|---------------------|--------------------------|----------------------------|------------------------------------|---------------|-----------------|-------------------|-----------------|-------------|-------------|------------|-------|------------|
| GW402 943 | 40BL189 932 | Bore | | Monitoring Bore | Monitoring Bore | | 23/10/2003 | 13.00 | 13.00 | | 10.5 0 | | | 1078m | South |
| GW402 945 | 40BL189 932 | Bore | | Monitoring Bore | Monitoring Bore | | 30/10/2003 | 13.00 | 13.00 | | 10.5 0 | | | 1079m | South |
| GW402 941 | 40BL189 932 | Bore | | Monitoring Bore | Monitoring Bore | | 22/10/2003 | 14.00 | 14.00 | | 12.5 0 | | | 1082m | South |
| GW403 856 | 40BL190 382 | Bore | Private | Monitoring Bore | Monitoring Bore | | 14/02/2006 | 14.00 | | | 13.3 3 | | | 1086m | South |
| GW403 859 | 40BL190 382 | Bore | Private | Monitoring Bore | Monitoring Bore | | 15/02/2006 | 15.00 | 15.00 | | 13.2 7 | | | 1096m | South |
| GW403 855 | 40BL190 382 | Bore | Private | Monitoring Bore | Monitoring Bore | | 13/11/2007 | 13.50 | 13.50 | | 12.8 9 | | | 1107m | South |
| GW402 813 | 40BL190 237 | Bore | | Monitoring Bore | Monitoring Bore | | | 15.00 | 15.00 | 1000 | | | | 1109m | South |
| GW416 077 | 40BL189 932 | Bore | Private | Monitoring Bore | Monitoring Bore | | 02/05/2012 | 14.00 | 14.00 | | | | | 1113m | South |
| GW403 860 | 40BL190 382 | Bore | Private | Monitoring Bore | Monitoring Bore | | 14/02/2006 | 15.00 | 15.00 | | 12.4 3 | | | 1114m | South |
| GW416 058 | 40BL190 411, 40WA41 4384 | Bore | Private | Domestic, Stock | Domestic, Stock | | 01/02/2005 | 15.60 | 15.60 | | 8.40 | 1.500 | | 1124m | North East |
| GW021 985 | 40BL014 286 | Well | Local Govt | Recreation (groundwater) | Recreation (groundwater) | | 01/08/1964 | 14.60 | 14.60 | | | | | 1124m | South West |
| GW273 168 | | Bore | NSW Office of Water | | Monitoring Bore | GW273168_2 WILKS PARK WAGGA PIPE 2 | 22/06/2010 | 84.00 | 84.00 | | 14.4 0 | 3.000 | 178.3 3 | 1125m | North East |
| GW400 183 | 40BL186 418 | Bore | | Test Bore | Test Bore | | 18/03/1997 | 11.80 | 11.80 | 1100 | 8.70 | | | 1128m | South East |
| GW403 857 | 40BL190 382 | Bore | Private | Monitoring Bore | Monitoring Bore | | 15/02/2006 | 14.00 | 14.00 | | 13.1 6 | | | 1130m | South |
| GW400 461 | 40BL186 265 | Bore | | Monitoring Bore | Monitoring Bore, Test Bore | | 10/01/1995 | 13.00 | 13.00 | | | | | 1132m | South |
| GW402 670 | 40BL189 708 | Bore | | Recreation (groundwater) | Domestic, Stock | | 22/03/2004 | 40.00 | 40.00 | | 12.0 0 | 3.000 | | 1158m | South West |
| GW025 184 | | Bore - Nested (3) | NSW Office of Water | | Monitoring Bore | | 01/12/1968 | 38.10 | 41.50 | | | | 179.2 9 | 1193m | South East |
| GW404 276 | 40BL186 265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 14/12/2007 | 10.00 | 10.00 | | | | | 1224m | North |
| GW400 103 | 40BL186 248 | Bore | | Recreation (groundwater) | | | | 15.20 | 15.70 | | | 5.100 | | 1233m | West |
| GW403 377 | 40BL190 382 | Bore | | Monitoring Bore | Monitoring Bore | | 20/04/2005 | 14.60 | 14.60 | | 169. 36 | | | 1253m | South |
| GW404 281 | 40BL186 265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 12/12/2007 | 20.00 | 20.00 | | | | | 1256m | North |
| GW403 378 | 40BL190 382 | Bore | | Monitoring Bore | Monitoring Bore | | 20/04/2005 | 15.00 | | | 169. 30 | | | 1260m | South |
| GW403 380 | 40BL190 382 | Bore | | Monitoring Bore | Monitoring Bore | | 10/05/2005 | 15.00 | 15.00 | | 169. 30 | | | 1267m | South |
| GW403 379 | 40BL190 382 | Bore | | Monitoring Bore | Monitoring Bore | | 20/04/2005 | 15.00 | | | 169. 40 | | | 1271m | South |
| GW403 381 | 40BL190 382 | Bore | | Monitoring Bore | Monitoring Bore | | 10/05/2005 | 15.00 | 15.00 | | 169. 30 | | | 1277m | South |
| GW404 275 | 40BL186 265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 14/12/2007 | 9.80 | 9.80 | | | | | 1286m | North |
| GW400 460 | 40BL186 265 | Bore | | Monitoring Bore | Monitoring Bore, Test Bore | | 12/01/1995 | 14.90 | 15.00 | | | | | 1300m | South |
| GW400 456 | 40BL186 265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore, Test Bore | | 11/01/1995 | 15.10 | 15.10 | | 2.52 | | | 1313m | South West |

| GW No. | Licence No | Work Type | Owner Type | Authorised Purpose | Intended Purpose | Name | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m bgl) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|-----------|-------------|-----------|----------------------|---------------------------|----------------------------|------|---------------|-----------------|-------------------|-----------------|-------------|-------------|------------|-------|------------|
| GW404 273 | 40BL186 265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 13/12/2007 | 8.50 | 8.50 | | | | | 1315m | North West |
| GW039 501 | 40BL151 474 | Bore | | Test Bore | Town Water Supply | | 29/04/1993 | 74.00 | 74.00 | 128 | 8.40 | 200.000 | 179.00 | 1349m | North West |
| GW400 621 | 40BL152 111 | Bore | Local Govt | Town Water Supply | Town Water Supply | | 29/04/1993 | 74.00 | 86.00 | | 8.40 | 200.000 | | 1355m | North West |
| GW030 711 | | Bore | D.M.R. & N.S.W. G.R. | | Railway | | 01/04/1976 | 0.00 | 16.90 | | | | | 1460m | South East |
| GW402 663 | 40BL189 909 | Bore | Local Govt | Test Bore | Domestic, Stock | | 25/03/2004 | 36.00 | 36.00 | | 12.00 | 1.300 | | 1462m | South West |
| GW401 093 | 40BL187 033 | Bore | | Industrial | Dewatering (groundwater r) | | 29/07/1998 | 45.00 | 45.00 | | | | | 1474m | South West |
| GW401 094 | 40BL187 034 | Bore | | Industrial | Dewatering (groundwater r) | | 23/07/1998 | 42.00 | 42.00 | | | | | 1482m | South West |
| GW402 575 | 40BL189 456 | Bore | | Domestic, Stock | Domestic, Stock | | 19/06/2003 | 39.50 | 40.00 | 303 | 14.00 | 3.000 | | 1492m | West |
| GW064 411 | 40BL136 879 | Bore | Private | Domestic, Stock | Domestic, Stock | | 01/10/1987 | 10.60 | 10.70 | | | | | 1494m | West |
| GW047 340 | 40BL106 006 | Bore | Private | Recreation (groundwater) | Recreation (groundwater r) | | 01/01/1977 | 12.50 | | | | | | 1498m | North West |
| GW404 811 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 31/05/2005 | 20.00 | 20.00 | | 14.90 | | | 1510m | South West |
| GW404 277 | 40BL186 265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 13/12/2007 | 10.00 | 10.00 | | | | | 1519m | North |
| GW401 749 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 7.00 | 7.00 | | | | | 1520m | South West |
| GW401 748 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 5.50 | 5.50 | | | | | 1520m | South West |
| GW401 750 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 6.50 | 6.50 | | | | | 1520m | South West |
| GW404 812 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 02/09/2008 | 20.00 | 20.00 | | 13.60 | | | 1533m | South West |
| GW053 714 | 40BL105 386 | Bore | Private | Recreation (groundwater) | Recreation (groundwater r) | | | 28.00 | | | | | | 1552m | West |
| GW404 821 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 04/09/2008 | 26.00 | 26.00 | | 14.60 | | | 1563m | South West |
| GW414 396 | 40BL192 426 | Bore | Private | Monitoring Bore | Monitoring Bore | | 15/04/2010 | 14.50 | 14.50 | | 10.50 | | | 1566m | South West |
| GW404 814 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 15/06/2005 | 19.50 | 19.50 | | 17.00 | | | 1568m | South West |
| GW404 816 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 15/06/2005 | 19.50 | 19.50 | | 17.00 | | | 1568m | South West |
| GW404 818 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 02/06/2005 | 20.00 | 20.00 | | 17.30 | | | 1568m | South West |
| GW404 278 | 40BL186 265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 10/03/2008 | 9.80 | 9.80 | | | | | 1571m | North |
| GW404 680 | 40BL186 265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 11/06/2008 | 5.50 | 5.50 | | | | | 1575m | South West |
| GW404 820 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 04/09/2008 | 20.00 | 20.00 | | 15.60 | | | 1581m | South West |
| GW404 819 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 03/09/2008 | 21.50 | 21.50 | | 16.20 | | | 1583m | South West |
| GW414 394 | 40BL192 426 | Bore | Private | Monitoring Bore | Monitoring Bore | | 15/04/2010 | 14.50 | 14.50 | | | | | 1585m | South West |
| GW401 747 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 5.50 | 5.50 | | | | | 1593m | South West |
| GW401 746 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 3.20 | 3.20 | | | | | 1593m | South West |
| GW414 395 | 40BL192 426 | Bore | Private | Monitoring Bore | Monitoring Bore | | 15/04/2010 | 14.50 | 14.50 | | 11.00 | | | 1594m | South West |
| GW404 817 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 04/09/2008 | 21.00 | 21.00 | | 16.80 | | | 1596m | South West |

| GW No. | Licence No | Work Type | Owner Type | Authorised Purpose | Intended Purpose | Name | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m bgl) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|-----------|--------------------------|-----------|------------|--------------------------|----------------------------|------|---------------|-----------------|-------------------|-----------------|-------------|-------------|------------|-------|------------|
| GW401 740 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 5.50 | 5.50 | | | | | 1597m | South West |
| GW404 815 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 04/09/2008 | 21.00 | 21.00 | | 16.80 | | | 1599m | South West |
| GW404 822 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 03/09/2008 | 21.00 | 21.00 | | 20.00 | | | 1618m | South West |
| GW403 185 | 40BL186 169 | Bore | | Recreation (groundwater) | Test Bore | | 27/04/1995 | 14.80 | 14.80 | | 6.00 | 12.750 | | 1620m | West |
| GW404 813 | 40BL192 019 | Bore | Private | Monitoring Bore | Monitoring Bore | | 03/09/2008 | 24.00 | 24.00 | | 21.30 | | | 1625m | South West |
| GW401 092 | 40BL187 032 | Bore | | Industrial | Dewatering (groundwater) | | 06/07/1998 | 72.00 | 72.00 | 1548 | 1.87 | | | 1627m | South West |
| GW026 564 | 40BL019 678 | Well | Private | Recreation (groundwater) | Recreation (groundwater) | | 01/04/1967 | 12.80 | 12.80 | | | | | 1645m | West |
| GW400 475 | 40BL186 265 | Bore | | Monitoring Bore | Monitoring Bore, Test Bore | | 07/06/1995 | 0.00 | | | | | | 1651m | South West |
| GW401 739 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 7.50 | 7.50 | | | | | 1656m | South West |
| GW403 373 | 40BL190 381 | Bore | | Monitoring Bore | Monitoring Bore | | 19/04/2005 | 11.30 | 11.30 | | 171.26 | | | 1672m | South East |
| GW020 746 | 40BL013 715 | Well | Private | Waste Disposal | Not Known | | 01/08/1963 | 6.70 | | | | | | 1683m | North East |
| GW401 091 | 40BL187 031 | Bore | | Industrial | Dewatering (groundwater) | | 04/07/1998 | 73.00 | 73.00 | 972 | 3.01 | | | 1686m | South West |
| GW400 060 | 40BL186 316, 40BL187 027 | Bore | | Industrial, Test Bore | Monitoring Bore | | 24/05/1995 | 61.00 | 61.00 | | | | | 1691m | South West |
| GW401 745 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 4.50 | 4.50 | | | | | 1700m | South West |
| GW403 375 | 40BL190 381 | Bore | | Monitoring Bore | Monitoring Bore | | 19/04/2005 | 11.20 | 11.20 | | 171.25 | | | 1730m | South East |
| GW401 726 | 40BL186 363 | Bore | | Monitoring Bore | Monitoring Bore | | 04/01/1995 | 9.50 | 9.50 | | 7.90 | | | 1743m | North West |
| GW401 096 | 40BL187 035 | Bore | | Monitoring Bore | Monitoring Bore | | | 120.00 | 120.00 | | | | | 1744m | South West |
| GW401 744 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 5.00 | 5.00 | | | | | 1748m | South West |
| GW404 282 | 40BL189 826 | Bore | Private | Monitoring Bore | Monitoring Bore | | 24/01/2006 | 12.50 | 12.50 | | 10.20 | | | 1753m | South East |
| GW020 740 | 40BL013 266 | Bore | Local Govt | Industrial | Waste Disposal | | 01/05/1963 | 23.80 | 23.80 | 0-500 ppm | | | | 1760m | South West |
| GW020 276 | 40BL013 279 | Well | Private | Domestic, Stock | Horticulture | | 01/05/1963 | 9.80 | 9.80 | Good | | | | 1770m | West |
| GW038 138 | 40BL030 447 | Well | Local Govt | Recreation (groundwater) | Recreation (groundwater) | | | 13.70 | | | | | | 1776m | North |
| GW416 605 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 23/03/2011 | 14.00 | 14.00 | | | | | 1779m | South East |
| GW401 721 | 40BL186 363 | Bore | | Monitoring Bore | Monitoring Bore | | 12/05/1994 | 7.40 | 7.40 | | 5.60 | | | 1781m | North West |
| GW404 283 | 40BL189 826 | Bore | Private | Monitoring Bore | Monitoring Bore | | 25/01/2006 | 10.00 | 10.00 | | | | | 1781m | South East |
| GW401 724 | 40BL186 363 | Bore | | Monitoring Bore | Monitoring Bore | | 12/05/1994 | 5.80 | 5.80 | | 3.80 | | | 1781m | North West |
| GW401 725 | 40BL186 363 | Bore | | Monitoring Bore | Monitoring Bore | | 12/05/1994 | 7.20 | 7.20 | | 6.70 | | | 1781m | North West |
| GW401 727 | 40BL186 363 | Bore | | Monitoring Bore | Monitoring Bore | | 04/01/1995 | 9.50 | 9.50 | | 6.50 | | | 1781m | North West |
| GW401 728 | 40BL186 363 | Bore | | Monitoring Bore | Monitoring Bore | | 04/01/1995 | 8.00 | 8.00 | | 5.60 | | | 1781m | North West |
| GW401 723 | 40BL186 363 | Bore | | Monitoring Bore | Monitoring Bore | | 12/05/1994 | 8.70 | 8.70 | | 7.10 | | | 1781m | North West |

| GW No. | Licence No | Work Type | Owner Type | Authorised Purpose | Intended Purpose | Name | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m bgl) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|-----------|--------------------------|-----------|---------------------|-----------------------------|----------------------------|------|---------------|-----------------|-------------------|-----------------|-------------|-------------|------------|-------|------------|
| GW401 729 | 40BL186 363 | Bore | | Monitoring Bore | Monitoring Bore | | 22/05/1995 | 10.00 | 10.00 | | 7.00 | | | 1781m | North West |
| GW401 722 | 40BL186 363 | Bore | | Monitoring Bore | Monitoring Bore | | 12/05/1994 | 8.00 | 8.00 | | 6.30 | | | 1781m | North West |
| GW416 604 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 22/03/2011 | 18.00 | 18.00 | | | | | 1790m | South East |
| GW416 608 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 06/04/2011 | 18.00 | 18.00 | | | | | 1791m | South East |
| GW404 737 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 29/05/2007 | 18.00 | 18.00 | | 17.70 | | | 1792m | South East |
| GW416 606 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 25/03/2011 | 16.00 | 16.00 | | | | | 1798m | South East |
| GW404 284 | 40BL189 826 | Bore | Private | Monitoring Bore | Monitoring Bore | | 28/01/2006 | 11.50 | 11.50 | | | | | 1799m | South East |
| GW401 095 | 40BL187 036 | Bore | | Industrial | Dewatering (groundwater r) | | 03/07/1998 | 73.00 | 73.00 | | | | | 1800m | South West |
| GW404 679 | 40BL186 265 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 11/06/2008 | 9.00 | 9.00 | | | | | 1802m | South West |
| GW416 607 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 26/03/2011 | 12.00 | 12.00 | | | | | 1805m | South East |
| GW030 020 | | Bore | NSW Office of Water | | Monitoring Bore | | 01/09/1969 | 37.70 | 70.10 | 0-500 ppm | | | 180.20 | 1805m | East |
| GW016 403 | 40BL010 849 | Well | Local Govt | Industrial | Industrial | | 01/07/1960 | 10.70 | 10.70 | Good | | | | 1814m | North West |
| GW404 736 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 28/05/2007 | 18.00 | 18.00 | | 14.00 | | | 1816m | South East |
| GW027 928 | 40BL021 444 | Well | P.W.D. | Waste Disposal | Waste Disposal | | 01/07/1968 | 7.60 | 7.60 | | | | | 1817m | North East |
| GW416 609 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 06/04/2011 | 15.00 | 15.00 | | | | | 1821m | South East |
| GW416 603 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 22/03/2011 | 14.00 | 14.00 | | | | | 1821m | South East |
| GW404 285 | 40BL189 826 | Bore | Private | Monitoring Bore | Monitoring Bore | | 11/03/2008 | 13.00 | 13.00 | | | | | 1823m | South East |
| GW416 602 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 22/03/2011 | 19.00 | 19.00 | | | | | 1825m | South East |
| GW404 734 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 14/10/2008 | 27.00 | 27.00 | | 25.00 | | | 1826m | South East |
| GW404 735 | 40BL191 935 | Bore | Private | Monitoring Bore | Monitoring Bore | | 28/05/2007 | 17.00 | 17.00 | | 15.00 | | | 1832m | South East |
| GW404 286 | 40BL189 826 | Bore | Private | Monitoring Bore | Monitoring Bore | | 24/01/2006 | 11.50 | 11.50 | | | | | 1833m | South East |
| GW403 542 | 40BL190 813 | Bore | Private | Monitoring Bore | Test Bore | | 26/01/2006 | 12.10 | 12.10 | | | | | 1841m | South East |
| GW403 371 | 40BL190 381 | Bore | | Monitoring Bore | Test Bore | | 19/04/2005 | 11.40 | 11.40 | | 171.29 | | | 1860m | South East |
| GW039 498 | | Bore | | | Domestic, Farming | | 15/12/1992 | 72.00 | 72.00 | | 7.90 | 4.760 | 179.00 | 1863m | North West |
| GW020 342 | 40BL013 417 | Well | Private | Domestic | Not Known | | 01/01/1963 | 14.30 | 14.30 | | | | | 1864m | East |
| GW403 544 | 40BL190 813 | Bore | Private | Monitoring Bore | Test Bore | | 26/01/2006 | 13.00 | 13.00 | | | | | 1868m | South East |
| GW401 087 | 40BL187 028 | Bore | | Industrial | Dewatering (groundwater r) | | 09/07/1998 | 73.00 | 73.00 | 2640 | 1.51 | 0.330 | | 1868m | South West |
| GW403 376 | 40BL190 381 | Bore | | Monitoring Bore | Monitoring Bore | | 19/04/2005 | 12.50 | 12.50 | | 171.33 | | | 1871m | South East |
| GW403 372 | 40BL190 381 | Bore | | Monitoring Bore | Monitoring Bore | | 19/04/2005 | 14.00 | 14.00 | | 171.26 | | | 1874m | South East |
| GW028 312 | 40BL022 204, 40BL188 063 | Well | Private | Domestic, Irrigation, Stock | Domestic, Stock | | 01/01/1968 | 14.30 | 14.30 | | | | 589.60 | 1876m | North East |
| GW031 474 | 40BL024 265 | Bore | Local Govt | Test Bore | Monitoring Bore | | 01/10/1966 | 24.40 | 24.40 | | | | 177.60 | 1876m | South West |

| GW No. | Licence No | Work Type | Owner Type | Authorised Purpose | Intended Purpose | Name | Complete Date | Final Depth (m) | Drilled Depth (m) | Salinity (mg/L) | SWL (m bgl) | Yield (L/s) | Elev (AHD) | Dist | Dir |
|-----------|-------------|-------------------|---------------------|--------------------|--------------------------|------|---------------|-----------------|-------------------|-----------------|-------------|-------------|------------|-------|------------|
| GW403 718 | 40BL190 812 | Bore | Local Govt | Monitoring Bore | Test Bore | | 28/01/2006 | 11.10 | 11.10 | | | | | 1877m | South East |
| GW403 541 | 40BL190 813 | Bore | | Monitoring Bore | Test Bore | | 26/01/2006 | 9.00 | 9.10 | | | | | 1880m | South East |
| GW403 717 | 40BL190 812 | Bore | Local Govt | Monitoring Bore | Test Bore | | 27/01/2006 | 11.10 | 11.10 | | | | | 1889m | South East |
| GW401 089 | 40BL187 029 | Bore | | Industrial | Dewatering (groundwater) | | 15/07/1998 | 71.00 | 71.00 | 846 | 0.32 | | | 1894m | South West |
| GW403 543 | 40BL190 813 | Bore | Private | Monitoring Bore | Test Bore | | 26/01/2006 | 13.00 | 13.00 | | | | | 1911m | South East |
| GW402 858 | 40BL190 067 | Bore | | Test Bore | Test Bore | | 17/06/2004 | | 10.00 | | | | | 1918m | South West |
| GW401 743 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 7.00 | 7.00 | | | | | 1923m | South West |
| GW028 005 | 40BL022 072 | Well | Private | Stock | Not Known | | 01/01/1960 | 9.10 | 9.10 | | | | | 1927m | North East |
| GW403 716 | 40BL190 812 | Bore | Local Govt | Monitoring Bore | Test Bore | | 27/01/2006 | 11.00 | 11.00 | | | | | 1938m | South East |
| 410108 72 | | | | | UNK | | | | | | | | 180.19 | 1958m | North West |
| GW402 857 | 40BL190 067 | Bore | | Test Bore | Test Bore | | 17/06/2004 | 10.00 | 10.00 | | | | | 1960m | South West |
| GW020 355 | 40BL012 863 | Well | Private | Waste Disposal | Waste Disposal | | 01/01/1963 | 5.50 | | | | | | 1962m | North East |
| GW401 625 | 40BL187 336 | Bore | | Irrigation, Stock | Irrigation, Stock | | | 10.00 | 10.00 | | | | | 1966m | North East |
| GW403 715 | 40BL190 812 | Bore | Local Govt | Monitoring Bore | Monitoring Bore | | 27/01/2006 | 11.50 | 11.50 | | | | | 1976m | South East |
| GW401 742 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 6.00 | 6.00 | | | | | 1985m | South West |
| GW401 741 | 40BL187 026 | Bore | | Monitoring Bore | Monitoring Bore | | 10/09/1998 | 6.50 | 6.50 | | | | | 1985m | South West |
| GW025 186 | | Bore - Nested (3) | NSW Office of Water | | Monitoring Bore | | 01/07/1968 | 35.60 | 53.00 | 0-500 ppm | | | 181.50 | 1989m | East |

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

1 Simmons Street, Wagga Wagga, NSW 2650

Driller's Logs

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

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|---|----------|------------|
| GW032923 | 0.00m-3.05m Clay Red 3.05m-9.14m Silt Black Clay 9.14m-11.58m Gravel Sand | 279m | North |
| GW414447 | 0.00m-0.10m CONCRETE 0.10m-2.20m FILL 2.20m-3.40m SANDY CLAY 3.40m-12.00m CLAYEY SAND 12.00m-14.00m SANDY GRAVEL | 432m | East |
| GW414487 | 0.00m-1.50m Gravel, 1.50m-3.00m Loam with gravel 3.00m-14.00m Clay | 450m | East |
| GW416294 | 0.00m-0.60m Fill; Bitument & roadbase 0.60m-2.00m Gravel; light tan, Loam 2.00m-5.00m Loam; with cobbles & gravel 5.00m-6.40m Loam-Clay; brown 6.40m-13.00m Clay; loamy, grey | 458m | East |
| GW414485 | 0.00m-0.20m Fill; bitumen & gravel 0.20m-0.80m Fill; roadbase 0.80m-1.00m Fill; gravelly loam 1.00m-2.00m Loam; tan/light brown 2.00m-3.60m Clay; chocolate 3.60m-9.00m Clay; brown 9.00m-15.00m Gravel; rounded in Clay, @10m increasing gravel 15.00m-20.50m Gravel; blue/green, some clay | 468m | East |
| GW416292 | 0.00m-0.20m Fill; bitumen & gravel 0.20m-0.80m Fill; roadbase 0.80m-1.40m Fill; gravelly loam 1.40m-4.00m Clayey Loam; tan/brown, increase in darkness with depth 4.00m-10.00m Clay; brown 10.00m-20.50m Clay, gravelly; brown, @ 13m clay content increases | 468m | East |
| GW414488 | 0.00m-0.80m Topsoil & Grass 0.80m-2.00m Loam, Gravel-Fill; @ 1.4m, red loam 2.00m-7.00m Clay, loamy; light tan, @ 3.4m chocolate loamy clay 7.00m-8.00m Clay; brown, with gravel & cobbles 8.00m-8.60m Clay, loam; chocolate 8.60m-10.60m Clay; brown with gravel 10.60m-14.60m Clayey Sand; grey, coarse 14.60m-19.40m Gravel | 481m | East |
| GW025777 | 0.00m-4.57m Loam Black River 4.57m-9.14m Gravel River Water Bearing | 575m | South West |
| GW401806 | 0.00m-2.50m CLAY, BROWN 2.50m-5.00m GRAVEL & SAND, DIRTY 5.00m-10.50m SILTY CLAY, MULTI COLOUR 10.50m-13.00m SAND & CLAY, GREY 13.00m-26.00m GRAVEL & SAND, BIG 26.00m-37.00m SAND & CLAY, GREY DIRTY 37.00m-41.00m CLAY, GREY 41.00m-47.00m SAND, CLEAN GREY 47.00m-53.00m CLAY, FIRM GREY GREEN 53.00m-55.60m SAND, DIRTY GREY 55.60m-58.00m CLAY, WHITISH 58.00m-58.60m GRANITE / BOTTOM, VERY HARD | 587m | South West |
| GW414486 | 0.00m-1.00m Clay, 1.00m-2.00m Gravel with loam 2.00m-5.00m Clay, heavy 5.00m-8.00m Clay, yellow 8.00m-19.00m Sand, clayey, grey 19.00m-20.00m Clay band with gravel | 607m | East |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|--|----------|------------|
| GW414676 | 0.00m-0.10m BITUMEN 0.10m-0.70m SILTY CLAY - FIRM - BLACK 0.70m-1.30m SILTY CLAY - FIRM - MOTTLED ORANGE 1.30m-2.40m SILTY CLAY - DARK BROWN 2.40m-3.50m CLAY - STIFF - LIGHT BROWN 3.50m-4.30m CLAY - STIFF - GREY/BROWN 4.30m-8.50m SILTY CLAY - STIFF - BROWN/GREY 8.50m-10.70m CLAY - STIFF - GREY/ORANGE/BROWN 10.70m-10.90m SANDY CLAY - STIFF - GREY/BROWN 10.90m-13.00m SILTY CLAY - STIFF - GREY/BROWN | 607m | East |
| GW414675 | 0.00m-0.10m BITUMEN 0.10m-1.50m SANDY CLAY - LOOSE - BROWN 1.50m-2.60m CLAY - FIRM - BROWN 2.60m-5.90m CLAY - FIRM - DARK BROWN 5.90m-7.90m CLAY - FIRM - GREY 7.90m-10.40m SANDY CLAY - FIRM - COARSE 10.40m-11.90m SAND - LOOSE - BLACK/GREY 11.90m-13.00m SANDY GRAEL - LOOSE - YELLOW/BROWN/BLACK | 613m | East |
| GW414673 | 0.00m-0.10m BITUMEN 0.10m-5.50m SANDY SILTY CLAY - STIFF - BLACK 5.50m-10.70m SILTY CLAY - FIRM - DARK/LIGHT GREY 10.70m-11.00m SANDY SILTY CLEY - SOFT - GREY 11.00m-12.40m SILTY CLAY - DARK GREY 12.40m-13.00m SILTY CLAYEY SAND - STIFF - DARK GREY 13.00m-14.50m SAND - GRAVELLY - LOOSE - GREY | 636m | East |
| GW414674 | 0.00m-0.20m BITUMEN 0.20m-0.90m SANDY SILT - LOOSE - YELLOW/BROWN 0.90m-3.90m SILT - BROWN/GREY 3.90m-4.90m SILTY CLAY - STIFF - BROWN 4.90m-8.40m SILTY CLAY - FIRM - RED/BROWN/GREY 8.40m-12.00m SANDY CLAY - SOFT - GREY | 639m | East |
| GW414670 | 0.00m-0.10m BITUMEN 0.10m-2.50m SILTY ASH 2.50m-3.00m CLAYEY SILT - LOOSE - BROWN 3.00m-6.50m SILTY CLAY - BROWN/BLACK/GREY 6.50m-8.30m CLAY - STIFF - LIGHT GREY 8.30m-12.50m SILTY CLAY - SOFT - GREY/BLACK | 659m | East |
| GW414672 | 0.00m-0.90m SANDY CLAY - BROWN/BLACK 0.90m-4.50m SAND - YELLOW WITH BLACK COKE & ASH 4.50m-5.80m CLAY - SOFT - BLACK | 660m | East |
| GW414671 | 0.00m-0.90m SANDY CLAY - BROWN/BLACK 0.90m-4.50m SAND - LOOSE - YELLOW WITH BLACK COKE 4.50m-8.90m SILTY CLAY - SOFT - BLACK/GREY 8.90m-11.30m CLAY - STIFF - DARK GREY 11.30m-14.70m CLAY - GREY/BROWN | 661m | East |
| GW015092 | 0.00m-7.32m Clay Water Supply 7.32m-7.92m Sand Coarse | 669m | East |
| GW414669 | 0.00m-0.40m CLAYEY SAND 0.40m-1.00m SILT - DARK BROWN/BLACK 1.00m-5.50m SILTY CLAY - BROWN 5.50m-9.50m CLAY - STIFF - GREY/BLACK 9.50m-14.80m SILTY CLAY - STIFF - GREY | 671m | East |
| GW414668 | 0.00m-3.10m CLAY - DARK/LIGHT BROWN 3.10m-13.00m SILTY CLAY | 688m | East |
| GW026741 | 0.00m-3.05m Loam River 3.05m-6.10m Loam Dry Sandy 6.10m-14.02m Gravel Sandy Water Supply | 707m | West |
| GW047341 | 0.00m-3.35m Clay 3.35m-7.00m Sand 7.00m-12.80m Gravel Fine Water Supply 12.80m-15.80m Gravel Coarse Water Supply | 828m | West |
| GW403418 | 0.00m-0.20m Concrete 0.20m-0.40m Clay, sandy 0.40m-10.00m Clay silty 10.00m-14.00m Sand 14.00m-28.00m sand | 915m | South East |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|---|----------|---------------|
| GW273167 | 0.00m-1.00m top soil 1.00m-8.00m brown clay 8.00m-12.00m small gravel 12.00m-21.00m large gravel 21.00m-22.00m yellow clay 22.00m-33.00m gravel 33.00m-34.00m clay 34.00m-79.00m gravel 79.00m-81.00m clay | 930m | North |
| GW020474 | 0.00m-7.32m Clay 7.32m-9.45m Sand Small Stones Water Supply | 980m | North West |
| GW404279 | 0.00m-3.00m LOAM AND CLAY - ALLUVIAL 3.00m-5.40m SAND - FINE - DRY 5.40m-9.60m SAND - FINE/MEDIUM - SOME SMALL STONES 9.60m-12.10m GRAVEL - RIVER - DAMP - STONES TO 50MM 12.10m-12.70m GRAVEL - YELLOW - CLAYBOUND 12.70m-15.00m GRAVEL - SILTY YELLOW CLAYEY - DAMP | 1011m | North West |
| GW416212 | 0.00m-3.00m sandy clay, light 3.00m-8.00m sandy clay, brown 8.00m-13.00m sandy clay, light brown with more sand | 1014m | South |
| GW404280 | 0.00m-3.00m LOAM - SANDY 3.00m-6.60m SAND - RED - DRY - FINE 6.60m-12.10m SAND - ALLUVIAL - COARSE (CLEAN) - SMALL STONES - DAMP 12.10m-13.90m SAND - COARSE - CLEAN - VERY MOIST - SOME STONE 13.90m-15.00m GRAVEL - YELLOW SILTY - BANDS YELLOW CLAY | 1015m | North |
| GW416213 | 0.00m-5.00m clay, hard 5.00m-10.00m sandy clay 10.00m-13.00m clay, sandy silty, light brown | 1015m | South |
| GW403612 | 0.00m-1.00m TOPSOIL BROWN 1.00m-4.00m CLAY BROWN 4.00m-8.00m SAND BROWN 8.00m-28.00m RIVER GRAVEL 28.00m-31.00m SAND FATTY 31.00m-37.00m CLAY WITH SAND DARK GREY 37.00m-38.00m SAND MEDIUM TO COARSE ML 10 38.00m-39.00m SAND MEDIUM TO COARSE ML 70 39.00m-40.00m SAND MEDIUM TO COARSE ML 50 40.00m-42.00m SAND MEDIUM TO COARSE ML 30 42.00m-44.00m SAND MEDIUM TO COARSE CLAY ML 50 44.00m-45.00m SAND MEDIUM TO COARSE ML 1M 45.00m-46.00m SAND MEDIUM TO COARSE ML 30 46.00m-47.00m SAND MEDIUM TO COARSE ML 80 47.00m-48.00m SAND MEDIUM TO COARSE ML 70 48.00m-49.00m SAND MEDIUM TO COARSE ML 50 49.00m-50.00m SAND MEDIUM TO COARSE ML 30 50.00m-51.00m SAND MEDIUM TO COARSE ML 1M 51.00m-51.50m SAND MEDIUM TO COARSE ML 50 51.50m-53.00m SAND MEDIUM TO COARSE ML 1M 53.00m-56.00m SAND MEDIUM TO COARSE ML 50 56.00m-56.50m SAND MEDIUM TO COARSE HARD DRILL ML 50 56.50m-60.00m SAND MEDIUM TO COARSE ML 50 | 1025m | North West |
| GW403419 | 0.00m-0.20m Concrete 0.20m-0.60m Fill 0.60m-10.00m Clay 10.00m-12.00m Sand 12.00m-15.00m Clay | 1026m | South |
| GW400407 | 0.00m-4.20m Top Soil 4.20m-6.30m Fine Dry Sand 6.30m-10.90m Med Clean Sand 10.90m-14.50m Gravel + Sand 14.50m-14.80m Silty Clayey Gravel 14.80m-16.90m Clean Gravel 16.90m-18.70m Silty Gravel 18.70m-19.00m Clean Fine Sand 19.00m-20.60m Clean Med Sand Some Stones | 1028m | North West |
| GW416211 | 0.00m-4.00m clay, light brown 4.00m-9.00m clay, dark brown 9.00m-12.70m sandy clay | 1041m | South |
| GW403420 | 0.00m-0.60m Fill 0.60m-7.00m Clay 7.00m-8.00m Clay, sandy 8.00m-15.00m Sand | 1045m | South |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|--|----------|-----------|
| GW416075 | 0.00m-0.50m asphalt 0.50m-1.50m clay, yellow brown-brown, high plasticity, stiff, slightly moist, no odour 1.50m-6.00m sandy clay, brown, moderate plasticity, med-coarse grained sand, firm, slightly moist 6.00m-7.00m sandy clay, blue grey, high plasticity, med grained sand, firm, slightly moist 7.00m-8.00m clay, some sand, bluish grey, high plasticity, med grained sand, firm, slightly moist 8.00m-9.00m clay, gravelly, greyish brown, high plasticity, fine grained gravels, well rounded, firm, moist 9.00m-13.00m clay, some sand and fine gravels, brown, high plasticity, soft, moist 13.00m-15.00m clayey sand, brown, medium dense, wet, strong hydrocarbon odour | 1061m | South |
| GW416078 | 0.00m-0.20m silt, brown, friable, dry, no odour 0.20m-7.00m clay, with trace coarse sand/fine gravels, reddish brown, moderate plasticity, hard, moist, no odour 7.00m-8.00m sand, gravelly, reddish brown, coarse sands and fine well rounded gravels, loose-medium dense, moist, no odour 8.00m-14.50m clay, with trace sand, brown, moderate plasticity, firm, moist-very moist, | 1062m | South |
| GW025176 | 0.00m-1.22m Soil Black 1.22m-6.10m Clay 6.10m-8.23m Clay Yellow Sandy 8.23m-9.14m Sand Yellow Water Supply 9.14m-11.28m Gravel Large 11.28m-12.19m Clay Sand 12.19m-19.81m Gravel Large Sand Water Supply 19.81m-20.42m Sand Yellow 20.42m-23.16m Sand Coarse 20.42m-23.16m Gravel Small 23.16m-24.99m Clay Sandy 24.99m-29.26m Sand Coarse Water Supply 29.26m-31.09m Sand Yellow Fine Silty 31.09m-33.83m Sand Yellow Coarse Soak 33.83m-34.14m Clay Yellow Rotten 34.14m-35.36m Sand Yellow Coarse 35.36m-35.97m Sand Fine Dirty Silty 35.97m-37.19m Loam Black 37.19m-43.28m Gravel Small Sand Water Supply 43.28m-48.77m Granite Decomposed 48.77m-49.68m Granite | 1066m | East |
| GW403417 | 0.00m-0.20m Concrete 0.20m-0.40m Sand 0.40m-1.40m Clay, silty 1.40m-6.00m Clay, silty 6.00m-7.00m Clay, sandy 7.00m-15.00m Sand, silty | 1068m | South |
| GW402944 | 0.00m-0.40m Fill 0.40m-10.50m Clay 10.50m-13.00m Sand silty | 1074m | South |
| GW402939 | 0.00m-3.60m Fill 3.60m-8.90m Clay, silty 8.90m-11.20m Clay, grey brown 11.20m-12.30m Clay, sandy 12.30m-14.00m Sand, fine coarse grained | 1075m | South |
| GW402940 | 0.00m-3.20m Fill 3.20m-6.50m Clay, silty 6.50m-10.20m Clay, silty grey brown 10.20m-12.40m Clay medium 12.40m-14.00m Sand, coarse grained | 1076m | South |
| GW402942 | 0.00m-0.60m Topsoil 0.60m-2.50m Clay, sandy 2.50m-4.60m Clay, med 4.60m-11.00m Clay, sandy 11.00m-13.00m Sand, clayey | 1076m | South |
| GW402937 | 0.00m-4.50m Sand fine med grained 4.50m-10.50m Silt, brown 10.50m-13.00m Silty sand, fine coarse grained gravel | 1077m | South |
| GW402938 | 0.00m-3.75m Fill 3.75m-11.25m Clay, sandy 11.25m-13.15m Sand, silty 13.15m-14.00m Clay sandy | 1078m | South |
| GW402943 | 0.00m-0.20m Topsoil 0.20m-2.50m Sand 2.50m-10.50m Clay 10.50m-13.00m Sand | 1078m | South |
| GW402945 | 0.00m-9.00m Clay 9.00m-13.00m Sand, clayey | 1079m | South |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|---|----------|------------|
| GW402941 | 0.00m-0.60m Fill 0.60m-1.20m Clay, sandy 1.20m-4.80m Sand, silty 4.80m-5.20m Sand, course grained 5.20m-7.50m Clay, sandy 7.50m-8.90m Clay, silty 8.90m-11.00m Clay, grey 11.00m-12.20m Grading, sandy clay 12.20m-14.00m Sand, med | 1082m | South |
| GW416077 | 0.00m-1.50m gravel, within a reddish brown clay matrix, stiff, densely packed, no odour 1.50m-12.00m clay, reddish brown, moderate plasticity, very hard, moist, no odour, trace fine gravels & sands 11m. 12.00m-14.00m sandy clay, brown, high plasticity, stiff-hard, very moist, hydrocarbon odour | 1113m | South |
| GW021985 | 0.00m-5.49m Clay Black Loamy 5.49m-7.92m Sand Fine Water Supply 7.92m-14.63m Gravel River Water Supply | 1124m | South West |
| GW416058 | 0.00m-0.90m topsoil 0.90m-7.20m clay, brown 7.20m-8.10m sandy clay, dry 8.10m-9.60m gravel, silty, brown, soak 9.60m-12.00m gravel, grey, gravel +water, slightly silty 12.00m-15.00m gravel, clean brown 15.00m-15.60m gravel, silty clayey | 1124m | North East |
| GW273168 | 0.00m-1.00m top soil 1.00m-4.00m small sand 4.00m-9.00m small gravel/silt 9.00m-17.00m small gravel 17.00m-21.00m medium brown gravel 21.00m-25.00m large gravel 25.00m-29.00m yellow gravel/clay bands 29.00m-30.00m grey clay 30.00m-51.00m gravel 51.00m-76.00m round gravel 76.00m-80.00m round gravel 80.00m-84.00m grey clay | 1125m | North East |
| GW400183 | 0.00m-2.40m Red clay. 2.40m-4.80m Yellow clay. 4.80m-7.20m Sandy yellow clay. 7.20m-8.70m Clay - grey. 8.70m-11.80m Clean coarse sand and gravel. | 1128m | South East |
| GW400461 | 0.00m-2.00m Topsoil 2.00m-3.00m Clayey Silt 3.00m-4.00m Clay 4.00m-7.00m Clay 7.00m-8.00m Clay 8.00m-10.00m Clay 10.00m-13.00m No Sample, some fine sand returned | 1132m | South |
| GW402670 | 0.00m-0.40m Topsoil 0.40m-6.00m Brown clays 6.00m-8.00m Gravels 8.00m-15.00m Grey clays 15.00m-18.00m Gravesl 18.00m-19.00m Grey clays 19.00m-30.00m Gravesl 30.00m-40.00m Shales | 1158m | South West |
| GW025184 | 0.00m-1.52m Topsoil Black 1.52m-2.74m Clay 2.74m-5.48m Sand Yellow 5.48m-8.83m Sand Yellow 5.48m-8.83m Gravel Fine 8.83m-24.07m Gravel Large 8.83m-24.07m Sand Coarse Water Supply 24.07m-24.68m Clay Bands 24.68m-27.43m Sand Yellow Water Supply 27.43m-28.65m Sand Grey Coarse Water Supply 28.65m-28.95m Clay Grey 28.95m-31.69m Sand Yellow 31.69m-32.00m Clay Yellow Grey 32.00m-38.10m Sand Grey Gravel Coarse Water Supply 38.10m-41.45m Granite Decomposed | 1193m | South East |
| GW404276 | 0.00m-1.00m LOAM - LIGHT BROWN - SANDY 1.00m-4.00m CLAY - LIGHT - SANDY 4.00m-5.00m GRAVEL 10-30 MM 5.00m-10.00m SANDY CLAY - LIGHT BROWN - LIGHT WITH RIVER GRAVEL | 1224m | North |

| Groundwater No | Drillers Log | Distance | Direction |
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| GW400103 | 0.00m-2.40m LOAM 2.40m-4.00m YELLOW SANDY CLAY 4.00m-4.50m FINE DRY SAND 4.50m-7.00m DRY SAND SOME SMALL STONES 7.00m-9.00m WATER COARSE SAND SOME GRAVEL 9.00m-10.30m CLAY BOUND GRAVEL 10.30m-11.50m GREY PUGGY CLAY 11.50m-14.80m CLEAN GREY GRAVEL 14.80m-15.70m CLAY BOUND GRAVEL | 1233m | West |
| GW404281 | 0.00m-0.50m TOPSOIL 0.50m-7.80m CLAY - GREY - ALLUVIAL 7.80m-8.20m CLAYBOUND - BROWN - GRAVELLY 8.20m-11.00m SAND - CLEAN - MOIST 11.00m-11.60m GRAVEL - YELLOW - SILTY 11.60m-13.70m GRAVEL - YELLOW/GREY - DRY 13.70m-16.50m CLAYEY GRAVEL - YELLOW - DRY - SILTY 16.50m-20.00m GRAVEL - CLAYBOUND - YELLOW - COMPACTED | 1256m | North |
| GW404275 | 0.00m-1.00m LOAM - LIGHT BROWN - SANDY 1.00m-4.00m CLAY - LIGHT - SANDY AND RIVER GRAVEL 4.00m-9.80m CLAY - LIGHT AND GRAVEL | 1286m | North |
| GW400460 | 0.00m-1.00m Topsoil 1.00m-2.00m Clay 2.00m-3.00m Silty Clay 3.00m-4.00m Clay 4.00m-9.00m Silty 9.00m-15.00m Weathered Siltstone | 1300m | South |
| GW400456 | 0.00m-1.00m Silty Clay 1.00m-3.00m Clay 3.00m-4.00m Clay 4.00m-5.00m Clay 5.00m-9.00m V. Weathered Lithic Sandstone 9.00m-12.00m Weathered Siltstone 12.00m-15.00m Weathered Phyllite | 1313m | South West |
| GW404273 | 0.00m-5.00m SANDY CLAY AND FILL - LIGHT BROWN 5.00m-8.50m SAND - LIGHT BROWN | 1315m | North West |
| GW039501 | 0.00m-6.00m CLAY, GREY BROWN 6.00m-14.00m SAND, BROWN 14.00m-19.00m GRAVEL 19.00m-60.00m SAND, GREY BROWN 60.00m-60.50m CLAY, GREY SILTY 60.50m-74.00m SAND, GREY COARSE | 1349m | North West |
| GW400621 | 0.00m-2.00m clay grey 2.00m-6.00m clay brown and grey 6.00m-14.00m sand brown, med-coarse, 5% polyimictic gravel up to 8mm 14.00m-19.00m gravel brown, polyimictic rounded pebbles up to 20mm, 50% med- coarse sand and trace of clay, very poorly sorted 19.00m-25.00m sand brown med quartz well sorted, 10% brown clay 25.00m-30.00m sand grey/brown, med-coarse qtz well sorted clean sand 30.00m-45.00m sand grey, med-coarse qtz, 5% rounded gravel, charcoal fragments at 37m; mod. well sorted 45.00m-47.00m sand grey coarse qtz;well sorted 47.00m-60.00m sand grey coarse, with 50% fine gravle;some rounded qtz, 30mm and traces of clay;mod, well sorted;lignite at 52m 60.00m-60.50m clay grey silty 60.50m-74.00m sand grey coarse, 50% fine gravle; becomes finer, better sorted through 68-74m; some rounded qtz pebbles <30mm and tra 74.00m-74.50m lignite d.brown/black, massive 74.50m-82.00m sand grey, med-coarse; mod, well sorted 82.00m-83.00m clay grey 83.00m-86.00m bedrock well weathered biotite rich granodiorite | 1355m | North West |
| GW030711 | 0.00m-4.50m Clay Red 4.50m-6.00m Clay Red 6.00m-8.00m Clay Coloured 8.00m-9.00m Sand Claybound 9.00m-10.00m Sand Water Bearing 10.00m-12.00m Sand Medium Gravel Water Bearing 12.00m-13.50m Sand Large Gravel Water Bearing 13.50m-14.50m Clay Red 14.50m-15.50m Clay Yellow Red 15.50m-16.60m Clay Grey 16.60m-16.90m Gravel Stony Sand | 1460m | South East |

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| GW402663 | 0.00m-0.10m Topsoil 0.10m-6.00m Clay 6.00m-9.00m Sand 9.00m-11.00m Sandy Clay 11.00m-14.00m Gravel 14.00m-23.00m Clay 23.00m-29.00m Gravel 29.00m-36.00m Clay | 1462m | South West |
| GW401093 | 0.00m-2.00m SILTY CLAY, BROWN 2.00m-3.00m SILTY SANDY CLAY, SAND 5%, FINE, DARK BROWN 3.00m-5.00m CLAYEY SILT, BROWN TO DARK 5.00m-6.00m CLAY, LOAM. LIGHT BROWN 6.00m-9.00m SANDY CLAY, FINE TO MEDIUM SAND 9.00m-10.00m SAND, MEDIUM TO COARSE, BROWN TO RED 10.00m-12.00m WEATHERED SILTSTONE, SOME SAND 5%, BROWN 12.00m-14.00m WEATHERED SILTSTONE WITH MEDIUM TO COARSE SAND, 10%, IRON OXIDIZED 14.00m-19.00m WEATHERED SILTSTONE, FE OXIDIZED, WELL LAYERED, MOTTLING 19.00m-20.00m WEATHERED SILTSTONE WITH SAND, FE OXIDIZED, WELL LAYERED, MOTTLING 20.00m-25.00m WEATHERED SILTSTONE, IRON OXIDIZED, WELL LAYERED, QUARTZ VEINING EVIDENT 25.00m-29.00m SHALE, SLIGHTLY WEATHERED, GOOD CLEAVAGE, LIGHT BROWN 29.00m-37.00m SHALE, LIGHT GREY/GREEN, SLIGHTLY WEATHERED, WELL CLEAVED, FIRM, QUARTZ VEINING EVIDENT 10% 37.00m-41.00m SHALE, DARK GREY TO BLACK, WELL DEVELOPED CLEAVAGE 41.00m-45.00m QUARTZ, MILKY TO CLEAR, VEINING, SOME DARK GREY SHALE | 1474m | South West |
| GW401094 | 0.00m-2.00m SILTY CLAY, WITH GREY SHALE PARTIALLY WEATHERED 2.00m-7.00m SHALE/SLATE, DARK GREY, WELL CLEAVED 7.00m-8.00m SHALE, BLACK, WITH SOME SAND 8.00m-19.00m SHALE, BLACK 19.00m-36.00m WEATHERED SHALE, LIGHT BROWN 36.00m-42.00m SHALE/PHYLLITE, BLACK, FRESH | 1482m | South West |
| GW402575 | 0.00m-1.00m Topsoil, brown 1.00m-2.00m Clay, brown 2.00m-4.00m Sand, brown 4.00m-8.00m Sand, brown / mustard 8.00m-29.00m Gravel, river 29.00m-30.00m Sand, medium to coarse 30.00m-34.00m Sand, medium, fatty 34.00m-35.00m Sand, clay 35.00m-36.00m Silt 36.00m-37.00m Sand 37.00m-38.00m Sand, medium to coarse 38.00m-39.00m Sand, medium to coarse 39.00m-40.00m Clay, dark grey | 1492m | West |
| GW064411 | 0.00m-0.60m Topsoil 0.60m-2.13m Clay Yellowish 2.13m-3.96m Clay Yellowish Sandy 3.96m-5.18m Sand Greyish Red Dry 5.18m-7.62m Sand Reddish Dry Fine 7.62m-10.66m Sand Coarse 7.62m-10.66m River Water Supply | 1494m | West |
| GW404811 | 0.00m-2.50m SILT 2.50m-3.50m SILT 3.50m-8.00m CLAY 8.00m-20.00m SILT | 1510m | South West |
| GW404277 | 0.00m-1.00m SANDY CLAY - BROWN - LIGHT 1.00m-2.00m SAND - LIGHT BROWN 2.00m-3.00m SANDY CLAY - LIGHT 3.00m-4.00m SANDY CLAY - MEDIUM 4.00m-10.00m CLAY - MEDIUM | 1519m | North |
| GW401748 | 0.00m-4.00m SILTY CLAY, BROWN ORANGE 4.00m-4.50m CLAY, RED BROWN 4.50m-5.50m SHALE, WEATHERED, ORANGE BROWN | 1520m | South West |
| GW401749 | 0.00m-0.50m LOAMY SILTY SHALE 0.50m-1.00m SILTY CLAY 1.00m-3.50m CLAY, BROWN 3.50m-4.50m CLAYEY SHALE, BROWN 4.50m-7.00m SHALE, GREY BROWN | 1520m | South West |
| GW401750 | 0.00m-0.20m LOAM, BROWN 0.20m-3.50m SILTY CLAY, ORANGE RED BROWN 3.50m-4.50m CLAY, RED BROWN 4.50m-5.50m SANDY CLAY, BROWN 5.50m-6.50m SILTY CLAY, L/BROWN | 1520m | South West |

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| GW404812 | 0.00m-1.00m FILL 1.00m-3.00m CLAY 3.00m-20.00m SHALE | 1533m | South West |
| GW404821 | 0.00m-1.00m FILL 1.00m-4.00m CLAY 4.00m-20.00m SHALE | 1563m | South West |
| GW414396 | 0.00m-0.90m FILL 0.90m-6.00m CLAY - LIGHT BROWN 6.00m-9.00m CLAY - DARK BROWN 9.00m-12.50m SANDY CLAY - BROWN 12.50m-14.50m SANDS AND LARGE GRAVELS - SATURATED | 1566m | South West |
| GW404814 | 0.00m-19.50m SILT | 1568m | South West |
| GW404816 | 0.00m-19.50m SILT | 1568m | South West |
| GW404818 | 0.00m-20.00m SILT | 1568m | South West |
| GW404278 | 0.00m-1.00m SANDY CLAY - BROWN - LIGHT 1.00m-2.00m SAND - LIGHT BROWN 2.00m-3.00m SAND - BROWN WITH 5% GRAVEL 3.00m-4.00m SAND AND GRAVEL - RIVER - BROWN 4.00m-8.00m GRAVEL - LARGE 20-30MM 8.00m-9.80m SANDY GRAVEL | 1571m | North |
| GW404680 | 0.00m-1.00m CLAY LOAM - RED 1.00m-2.00m CLAY - YELLOW/RED - LIGHT 2.00m-4.00m SANDY CLAY - RED/YELLOW - FINE 4.00m-5.00m CLAY - GREY - MEDIUM 5.00m-5.50m ROCK - HARD | 1575m | South West |
| GW404820 | 0.00m-1.00m FILL 1.00m-4.00m CLAY 4.00m-20.00m SHALE | 1581m | South West |
| GW404819 | 0.00m-1.00m FILL 1.00m-4.00m CLAY 4.00m-21.50m SHALE | 1583m | South West |
| GW414394 | 0.00m-0.90m FILL 0.90m-6.00m CLAY - LIGHT BROWN 6.00m-9.00m CLAY - DARK BROWN 9.00m-12.50m SANDY CLAY - BROWN 12.50m-14.50m SANDS AND LARGE GRAVELS - SATURATED | 1585m | South West |
| GW401746 | 0.00m-0.20m LOAM, BROWN 0.20m-1.50m SILTY LOAM, GREY BROWN 1.50m-3.20m SHALE, WEATHERED BROWN ORANGE | 1593m | South West |
| GW401747 | 0.00m-0.20m TOPSOIL, LOAM 0.20m-1.50m SANDY CLAY, L/BROWN 1.50m-3.50m CLAY, RED BROWN 3.50m-5.00m SILTY CLAY, ORANGE WITH ROUND STONE 5.00m-5.50m CLAY, ORANGE | 1593m | South West |
| GW414395 | 0.00m-0.90m FILL 0.90m-6.00m CLAY - LIGHT BROWN 6.00m-9.00m CLAY - DARK BROWN 9.00m-12.50m SANDY CLAY - BROWN 12.50m-14.50m SANDS AND LARGE GRAVELS - SATURATED | 1594m | South West |
| GW404817 | 0.00m-1.00m FILL 1.00m-3.00m CLAY 3.00m-21.00m SHALE | 1596m | South West |
| GW401740 | 0.00m-0.25m TOPSOIL, D/ BROWN 0.25m-0.50m SILTY CLAY, D/BROWN 0.50m-1.00m CLAY, ORANGE 1.00m-2.00m SANDY CLAY, ORANGE 2.00m-5.00m CLAY, ORANGE YELLOW 5.00m-5.50m SANDY CLAY, ORANGE YELLOW | 1597m | South West |
| GW404815 | 0.00m-1.00m FILL 1.00m-3.00m CLAY 3.00m-21.00m SHALE | 1599m | South West |

| Groundwater No | Drillers Log | Distance | Direction |
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| GW404822 | 0.00m-1.00m FILL 1.00m-3.00m CLAY 3.00m-21.00m SHALE | 1618m | South West |
| GW403185 | 0.00m-0.30m Topsoil 0.30m-2.40m Loam 2.40m-3.00m Clay, sandy yellow 3.00m-6.00m Sand, fine and dry 6.00m-11.50m Sand, med course 11.50m-13.90m Gravel, clean river 13.90m-14.80m Clay, silty river | 1620m | West |
| GW404813 | 0.00m-1.00m FILL 1.00m-4.00m CLAY 4.00m-24.00m SHALE | 1625m | South West |
| GW401092 | 0.00m-3.00m SILTY CLAY, LIGHT BROWN 3.00m-4.00m SANDY CLAY, FINE, SAND 60% 4.00m-5.00m FINE SANDY CLAY, TOP OF REGOLITH 5.00m-6.00m WEATHERED SILTSTONE, IRON OXIDE, LIGHT GREY LAYERING 6.00m-7.00m WEATHERED SILTSTONE, LIGHT GREY 7.00m-8.00m WEATHERED SILTSTONE, CLEAVAGE, IRON OXIDE STAINING 8.00m-9.00m WEATHERED SILTSTONE, IRON STAINING, LIGHT GREY, IRON OXIDE RED 9.00m-10.00m WEATHERED SILTSTONE, LAYERING LIGHT GREY 10.00m-11.00m WEATHERED SILTSTONE, IRON OXIDE PREDOMINANT 11.00m-12.00m WEATHERED SILTSTONE, OXIDISED, LAYERING 12.00m-13.00m WEATHERED SILTSTONE, IRON DOMINANT 13.00m-14.00m WEATHERED SILTSTONE, GOOD CLEAVAGE, IRON OXIDE, LIGHT GREY 14.00m-15.00m WEATHERED SILTSTONE, LAYERING, SOME QUARTZ VEINING, RED 15.00m-16.00m WEATHERED SILTSTONE, CLEAVAGE, VERY CLAY DOMINANT 16.00m-17.00m WEATHERED SILTSTONE, RED, VERY FIRM 17.00m-18.00m WELL WEATHERED SILTSTONE, YELLOW IRON OXIDE STAINING, MOIST 18.00m-19.00m SILTSTONE, GREY, SLIGHTLY WEATHERED 19.00m-20.00m SILTSTONE, GREY, VERY FINE GRAINED, IRON OXIDE STAINED 20.00m-22.00m WEATHERED SILTSTONE, VERY FINE GRAINED, IRON STAINING 22.00m-23.00m SILTSTONE, VERY FINE GRAINED 23.00m-24.00m SHALE, WEATHERED, GOOD CLEAVAGE, BLACK 24.00m-25.00m SHALE, GOOD CLEAVAGE, BLACK, SLIGHTLY WEATHERED 25.00m-27.00m SHALE, DARK GREY, IRON OXIDE STAINING, PARTLY WEATHERED 27.00m-28.00m SHALE, WEATHERED, GREY, OXIDE MOTTLING 28.00m-29.00m WEATHERED SILTSTONE, DARK GREY MOTTLING 29.00m-30.00m WEATHERED SILTSTONE, GREY SLIGHT YELLOW STAINING, VERY FINE GRAINED 30.00m-31.00m WEATHERED SILTSTONE, VERY FINE GRAINED, DARK GREY 31.00m-32.00m SHALE, SLIGHTLY WEATHERED, WELL CLEAVED, IRON OXIDE STAINING, FIRM 32.00m-33.00m SHALE, FIRM, SLIGHTLY WEATHERED 33.00m-34.00m SHALE, FIRM IRON OXIDE STAINING 34.00m-35.00m SHALE, BLACK FIRM, IRON STAINING 35.00m-36.00m SHALE, SLIGHTLY WEATHERED BROWN 36.00m-37.00m SILTSTONE, FIRM GREY/GREEN, FINELY LAYERED 37.00m-38.00m SHALE, WEATHERED, MOIST, VERY OXIDIZED WBZ 38.00m-43.00m SHALE, BLACK, SLIGHTLY WEATHERED WBZ 43.00m-45.00m WEATHERED SHALE, SLATE 45.00m-72.00m BLACK SHALE, WELL CLEAVED, SOME QUARTZ VEINING | 1627m | South West |
| GW026564 | 0.00m-4.57m Loam Black River 4.57m-12.80m Sand Small Gravel Water Supply | 1645m | West |
| GW401739 | 0.00m-0.30m TOPSOIL 0.30m-0.50m CLAY 0.50m-1.00m CLAY LOAM 1.00m-2.50m CLAY 2.50m-5.50m CLAY LOAM 5.50m-6.00m CLAYEY SAND, L/BROWN 6.00m-7.50m LOAM CLAY, LIGHT, BROWN | 1656m | South West |
| GW403373 | 0.00m-0.10m Asphalt 0.10m-11.30m Clay, silty | 1672m | South East |
| GW401091 | 0.00m-1.00m SILTY CLAY, QUARTZ VEINING 1.00m-15.00m SILTY CLAY, LIGHT BROWN 15.00m-20.00m WEATHERED SHALE 20.00m-30.00m WEATHERED SHALE, LIGHT BROWN 30.00m-35.00m WEATHERED SHALE, BLACK, CLEAVAGE 35.00m-40.00m SHALE, BLACK, SOME WEATHERING 40.00m-50.00m SHALE, BLACK, WELL CLEAVED 50.00m-73.00m SHALE, BLACK | 1686m | South West |
| GW400060 | 0.00m-2.00m BROWN CLAY 2.00m-3.00m BROWN SHALE 3.00m-9.00m PURPLE SHALE 9.00m-15.00m BROWN SHALE 15.00m-31.00m PURPLE SHALE 31.00m-50.00m BROWN & PURPLE SHALE 50.00m-61.00m BLUE SHALE & QUARTZ | 1691m | South West |

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| GW401745 | 0.00m-0.25m TOPSOIL, LOAM 0.25m-1.00m CLAY, YELLOW BROWN 1.00m-1.50m SANDY CLAY, FINE TO MED 1.50m-2.00m CLAY WITH SHALE, YELLOW BROWN 2.00m-2.50m SHALE, WEATHERED 2.50m-4.50m SHALE, GREY L/BROWN | 1700m | South West |
| GW403375 | 0.00m-0.10m Asphalt 0.10m-0.50m Silt, light brown 0.50m-11.20m Clay, silty | 1730m | South East |
| GW401726 | 0.00m-1.00m SANDY CLAY 1.00m-2.70m SILTY SAND 2.70m-3.50m CLAYEY SAND 3.50m-6.00m SILTY SAND 6.00m-9.50m SAND | 1743m | North West |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|---|----------|------------|
| GW401096 | 0.00m-1.00m SILTY CLAY, BROWN, SAND 2% 1.00m-2.00m SILTY CLAY, LIGHT BROWN, SAND 3% 2.00m-3.00m CLAYEY SAND, GREY 3.00m-4.00m CLAYEY SAND, GREY IRON STAINING, REMNANT WEATHERED MATERIAL 4.00m-5.00m LIGHT SAND LOAM, LIGHT GREY, COARSE SAND, ANGULAR 5.00m-6.00m SAND, FINE TO MEDIUM, LIGHT BROWN 6.00m-7.00m CLAYEY SAND, LIGHT BROWN, SOME WEATHERED SLATE MATERIAL 7.00m-8.00m SAND, FINE TO MEDIUM, LIGHT BROWN 8.00m-9.00m SAND, MEDIUM, LIGHT BROWN 9.00m-11.00m SAND QUARTZ, PYRITE, LIGHT BROWN, FINE TO MEDIUM 11.00m-12.00m SAND, MED TO COARSE, ANGULAR TO SUB-ANGULAR, LARGER QUARTZ GRAINS, 10%, MAINLY QUARTZ 12.00m-13.00m SAND, FINE TO MED, LARGE QUARTZ GRAINS, 5%, LIGHT BROWN 13.00m-15.00m SAND, MED TO COARSE, LARGE QUARTZ GRAINS, ANGULAR TO SUB-ANGULAR 15.00m-16.00m SANDY GRAVEL, GRAVEL MOSTLY SLATE AND QUARTZ, L/BROWN, PEBBLES UP TO 1CM IN LGTH - LONGITUDINAL 16.00m-17.00m PEBBLES, QUARTZ, UP TO 2-3CM, ROUNDED TO SUBROUNDED, MIXED QUARTZ AND SHALE PEBBLES 17.00m-18.00m WEATHERED SHALE, GREY, SOME LAYERING 18.00m-19.00m WEATHERED SHALE, GREY, GOOD CLEAVAGE 19.00m-20.00m SAND, GREY TO L/BROWN, FINE TO MED 20.00m-21.00m SAND, FINE TO MED, L/BROWN 21.00m-22.00m SAND, MED, ANGULAR TO SUB-ANGULAR, GREY TO L/BROWN 22.00m-23.00m SAND, LIGHT BROWN, MED, ANGULAR TO SUB-ANGULAR GRAINS 23.00m-24.00m SAND, L/BROWN TO RED, MED TO COARSE, ANGULAR TO SUB-ANGULAR 24.00m-25.00m SAND, MED TO COARSE, BROWN TO RED, ANGULAR TO SUB-ROUNDED 25.00m-26.00m SAND, RED, OXIDISED, MED TO COARSE, ANGULAR TO SUBROUNDED 26.00m-28.00m SAND, RED, MED TO COARSE, SUB ROUNDED 28.00m-37.00m EXTREMELY WEATHERED SILTSTONE, IRON OXIDISED, L/GREY MOTTLES LAYERING 37.00m-38.00m WEATHERED SILTSTONE, L/GREY MOTTILING, IRON OXIDISED, SAND EVIDENT, MED %5 38.00m-39.00m WEATHERED SILTSTONE, IRON OXIDISED, L/GREY MOTTILING 39.00m-40.00m WEATHERED SILTSTONE, VERY FRAGMENTED, SOME FINE SAND EVIDENT 40.00m-41.00m WEATHERED SILTSTONE, BROWN, VERY FRAGMENTED 41.00m-42.00m WEATHERED SILTSTONE, IRON OXIDISED, L/GREY MOTTLES, DENSE 42.00m-43.00m CLAYEY SAND, SOME WEATHERED SILTSTONE FRAGMENTS OSIDISED, SAND, FINE TO COARSE, 10% 43.00m-44.00m WEATHERED SILTSTONE, SAND, MED TO COARSE, 5%, RED 44.00m-45.00m WEATHERED SILTSTONE, OXIDISED, ASSOCIATED WITH COARSE SAND, QUARTZ GRAINS, ANGULAR, SAND, 50% 45.00m-46.00m CLAYEY SAND (WEATHERED SILTSTONE), SAND COARSE, UP TO 1CM LGTH, ANGULAR TO SUB-ANGULAR, RED 46.00m-48.00m WEATHERED SHALE, L/GREY TO GREEN (WEATHERED SILTSTONE), SAND COARSE, 40%, RED 48.00m-51.00m SHALE, GREEN, WELL LAYERED, L/GREY, HARD 51.00m-52.00m WEATHERED SILTSTONE, L/GREY TO YELLOW MOTTLES, ORANGE OXIDISED 52.00m-53.00m WEATHERED SILTSTONE, WITH SHALE, L/GREY TO GREEN 53.00m-54.00m WEATHERED SILTSTONE WITH SHALE, L/GREY, IRON OXIDISED 54.00m-55.00m SHALE, GREEN TO L/GREY, LAYERED 55.00m-56.00m SHALE, GREY, SOME LAYERING, VERY FINE 56.00m-57.00m NOT A REPRESENTATIVE SAMPLE 57.00m-58.00m SHALE, GREEN, REDUCED, DENSE 58.00m-60.00m SHALE, L/GREY TO GREEN 60.00m-62.00m SAND, MED TO COARSE, L/BROWN 62.00m-66.00m SHALE, L/GREY TO GREEN, LAYERING 66.00m-67.00m SHALE, L/GREEN, SOME WEATHERED MATERIAL 67.00m-68.00m SHALE, GREY TO BLACK 68.00m-69.00m SHALE, GREEN TO L/GREY TO BLACK 69.00m-78.00m SHALE, BLACK, WITH SOME QUARTZ VEINING 78.00m-79.00m WEATHERED SHALE 79.00m-81.00m WEATHERED SHALE, BROWN TO GREEN 81.00m-82.00m WEATHERED SHALE, BROWN TO GREEN, IRON OXIDISED, GREEN TO YELLOW 82.00m-84.00m WEATHERED SILTSTONE/SHALE, L/GREY MOTTLES, IRON OXIDISED 84.00m-85.00m SHALE, L/GREY, RELATIVELY FIRM 85.00m-86.00m SHALE, GREY TO BLACK, SLIGHTLY WEATHERED, SOME LAYERS 86.00m-89.00m SHALE, GREY TO BLACK, SLIGHTLY WEATHERED 89.00m-91.00m SHALE, BLACK, SLIGHTLY WEATHERED 91.00m-92.00m SHALE, GREEN TO BLACK, FIRM 92.00m-95.00m SHALE, GREEN TO BLACK, FIRM, SOME LAYERING 95.00m-96.00m SHALE, SLIGHTLY WEATHERED, GREY TO BLACK 96.00m-98.00m SHALE, GREY TO BLACK, SOME PYRITE, FIRM 98.00m-100.00m SHALE, SLIGHTLY WEATHERED, GREY TO BLACK 100.00m-101.00m SHALE, GREY TO BLACK, QUARTZ VEINING (SAND) 10 | 1744m | South West |
| GW401744 | 0.00m-0.25m TOPSOIL, LOAM 0.25m-0.80m SILTY CLAY, RED 0.80m-1.00m CLAY, ORANGE 1.00m-1.50m SHALEY CLAY, RE BROWN 1.50m-2.50m SHALE, WEATHERED CLYEY 2.50m-3.50m SHALE, GREY BROWN 3.50m-4.00m SHALE, WEATHERED 4.00m-4.50m SHALEY CLAY 4.50m-5.00m CLAYEY SHALE | 1748m | South West |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|---|----------|------------|
| GW404282 | 0.00m-0.30m FILL 0.30m-4.70m CLAY 4.70m-5.60m SAND 5.60m-7.80m CLAY 7.80m-11.70m SAND 11.70m-12.50m CLAY | 1753m | South East |
| GW020740 | 0.00m-6.71m Clay Yellow 6.71m-9.14m Clay Sandy 9.14m-10.97m Clay Yellow 10.97m-14.33m Gravel River Sand Water Supply 14.33m-16.76m Sand River 16.76m-17.07m Clay Cement 17.07m-23.47m Wash Coarse Stones Waterworn 23.47m-23.77m Clay | 1760m | South West |
| GW020276 | 0.00m-3.66m Loam Alluvial 3.66m-4.88m Sand Dry Very Fine 4.88m-7.32m Sand Water Supply 7.32m-9.75m Gravel River Water Supply | 1770m | West |
| GW416605 | 0.00m-0.20m fill 0.20m-6.00m clayey sand, red, fine to coarse grained, moderate plasticity clay 6.00m-14.00m siltstone, grey - becomes grey blue at 10m bgs | 1779m | South East |
| GW401721 | 0.00m-0.40m SANDY CLAY, BROWN, FINE TO COARSE 0.40m-2.20m SILTY SANDY CLAY, BROWN, FINE TO COARSE 2.20m-4.00m CLAYEY SAND, L/BROWN, FINE TO COARSE 4.00m-4.50m SILTY SANDY CLAY, L/BROWN, FINE TO COARSE 4.50m-7.40m CLAYEY SAND, L/BROWN, FINE TO COARSE | 1781m | North West |
| GW401722 | 0.00m-0.20m SANDY CLAY 0.20m-1.80m SILTY CLAY, SANDY, GREY BROWN 1.80m-3.80m CLAYEY SAND 3.80m-7.20m SILTY SANDY CLAY 7.20m-8.00m CLAYEY GRAVELLY SAND | 1781m | North West |
| GW401723 | 0.00m-2.00m SANDY CLAY 2.00m-7.50m SILTY CLAYEY SAND 7.50m-8.70m SAND | 1781m | North West |
| GW401724 | 0.00m-0.50m SILTY SANDY CLAY 0.50m-1.20m CLAYEY SAND 1.20m-5.80m SILTY SANDY CLAY | 1781m | North West |
| GW401725 | 0.00m-2.50m SILTY SANDY CLAY 2.50m-7.20m SAND | 1781m | North West |
| GW401727 | 0.00m-0.40m GRAVELLY SANDY CLAY 0.40m-2.00m SILTY SANDY CLAY 2.00m-3.40m CLAYEY SAND 3.40m-7.00m GRAVELLY SAND 7.00m-9.50m SAND | 1781m | North West |
| GW401728 | 0.00m-0.40m SANDY CLAY 0.40m-2.00m SILTY CLAY 2.00m-3.00m SILTY SANDY CLAY 3.00m-8.00m GRAVELLY SAND | 1781m | North West |
| GW401729 | 0.00m-0.40m SILTY SANDY CLAY 0.40m-1.80m SILTY CLAY 1.80m-2.60m CLAYEY SAND 2.60m-3.00m SILTY CLAY 3.00m-5.20m SILTY SANDY CLAY 5.20m-8.60m CLAYEY SAND 8.60m-10.00m GRAVEL, CLAYEY SANDY | 1781m | North West |
| GW404283 | 0.00m-0.16m CONCRETE 0.16m-1.20m FILL 1.20m-7.50m CLAY 7.50m-9.50m SAND 9.50m-10.00m CLAY | 1781m | South East |
| GW416604 | 0.00m-1.50m fill, brown, moderate plasticity clay, fine to coarse grained sand 1.50m-5.00m clay, red to brown, moderate to high plasticity, with trace of silt 5.00m-8.00m sandy clay, red, moderate plasticity, fine to coarse grained sand, with trace of medium to coarse grained gravel 8.00m-16.00m siltstone, grey - becomes grey to blue at 9.6m bgs 16.00m-17.00m siltstone, pale brown with traces of fine to medium grained sand 17.00m-18.00m gravel, sandy, pale brown to grey, medium to coarse grained, with fine to coarse grained sand | 1790m | South East |
| GW416608 | 0.00m-1.00m fill, dark brown, medium to coarse grained sand, moderate plasticity clay 1.00m-18.00m clay, brown, moderate to high plasticity, with trace of silt | 1791m | South East |

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|----------------|---|----------|------------|
| GW404737 | 0.00m-0.20m FILL 0.20m-1.40m SAND 1.40m-7.00m CLAY 7.00m-18.00m SILTSTONE | 1792m | South East |
| GW416606 | 0.00m-1.00m fill, brown, fine to medium grained sand, low plasticity 1.00m-4.00m clayey sand, brown to orange, fine to coarse grained, low plasticity clay, with trace of silt 4.00m-8.00m sandy clay, brown to orange, moderate plasticity, fine to coarse grained sand, with trace of silt 8.00m-10.00m sandy clay, grey blue, moderate plasticity, fine to coarse grained sand, with trace of silt 10.00m-16.00m siltstone, grey | 1798m | South East |
| GW404284 | 0.00m-0.10m CONCRETE 0.10m-8.80m CLAY 8.80m-10.80m SAND 10.80m-11.50m CLAY | 1799m | South East |
| GW401095 | 0.00m-3.00m SILTY CLAY, BROWN 3.00m-4.00m SANDY CLAY, FINE TO COARSE, ANGULAR TO SUB ANGULAR, 50% SAND, BROWN 4.00m-5.00m SANDY CLAY, FINE TO COARSE GRAINS, SAND 80%, LIGHT BROWN 5.00m-6.00m GRAVELLY CLAY, ANGULAR TO SUB ANGULAR, 80% SAND, IRON STAINING 6.00m-7.00m WEATHERED SILTSTONE, LIGHT BROWN 7.00m-9.00m WEATHERED SILTSTONE, RED 9.00m-10.00m WEATHERED SILTSTONE, SLATE EVIDENT 10.00m-13.00m WEATHERED SILTSTONE, GREY AND RED 13.00m-15.00m WEATHERED SILTSTONE, RED OXIDE AND LIGHT GREY 15.00m-20.00m WEATHERED SILTSTONE, RED AND LIGHT GREY 20.00m-21.00m WEATHERED SILTSTONE, RED 21.00m-22.00m WEATHERED SILTSTONE, RED AND LIGHT GREY 22.00m-24.00m WEATHERED SILTSTONE, WELL LAYERED AND IRON OXIDE RED 24.00m-26.00m WEATHERED SILTSTONE, LAYERED, RED AND LIGHT GREY 26.00m-27.00m WEATHERED SILTSTONE, RED 27.00m-28.00m WEATHERED SILTSTONE, RED, LAYERED 28.00m-29.00m WEATHERED SILTSTONE, RED AND LIGHT GREY, LAYERED/CLEAVAGE EVIDENT 29.00m-30.00m WEATHERED SILTSTONE, GOOD CLEAVAGE, WELL LAYERED, RED 30.00m-33.00m WEATHERED SILTSTONE, RED AND LIGHT GREY 33.00m-34.00m WEATHERED SILTSTONE, WELL LAYERED, LIGHT GREY NODULES 34.00m-35.00m WEATHERED SILTSTONE, CLEAVED, RED AND LIGHT GREY 35.00m-36.00m WELL WEATHERED SILTSTONE, RED, VERY CLAY DISPERSED 36.00m-37.00m WEATHERED SILTSTONE, CLEAVAGE, RED AND LIGHT GREY 37.00m-39.00m WELL WEATHERED SILTSTONE, CLEAVAGE, RED AND LIGHT GREY 39.00m-57.00m WEATHERED SILTSTONE, CLEAVAGE, RED AND LIGHT GREY 57.00m-61.00m SLATE/SHALE FRAGMENTS, GREY LAYERED, WEATHERED 61.00m-63.00m SLATE/SHALE, GREY, LAYERED WEATHERED QUARTZ PRESENT 63.00m-64.00m SLATE/SHALE, GREY, LAYERED, WEATHERED 64.00m-65.00m SLATE/SHALE, GREY, LAYERED, WEATHERED, QUARTZ PRESENT 65.00m-66.00m SLATE/SHALE, GREY, LAYERED, WEATHERED 66.00m-68.00m WEATHERED SHALE, RED, YELLOW, SMALL SLATE FRAGMENTS 68.00m-69.00m WEATHERED SHALE, DEEP RED, LIGHT GREY, SLATE FRAGMENTS 69.00m-70.00m SLATE/SHALE, LAYERED, GREY, WEATHERED, DENSE SLATE, PYRITE PRESENT 70.00m-71.00m SLATE/SHALE, LAYERED, GREY, WEATHERED, LIGHT GREY CLAYEY CLUMP PRESENT 71.00m-73.00m SLATE/SHALE, LAYERED, GREY, WEATHERED, DENSE SLATE-WEATHERED | 1800m | South West |
| GW404679 | 0.00m-1.00m CLAY LOAM - RED 1.00m-2.00m CLAY - YELLOW/RED - LIGHT 2.00m-4.00m SILTY CLAY AND ROCKS - YELLOW 4.00m-7.00m CLAY AND ROCKS - YELLOW - LIGHT 7.00m-9.00m MUDSTONE - YELLOW | 1802m | South West |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|--|----------|------------|
| GW030020 | 0.00m-0.30m Topsoil 0.30m-4.26m Loam Sandy 4.26m-5.18m Clay Gravel 5.18m-8.83m Gravel Medium-coarse 5.18m-8.83m Sand Dry 8.83m-12.49m Sand Medium Water Supply 12.49m-24.68m Sand 12.49m-24.68m Gravel Stoney Coarse Water Supply 24.68m-26.21m Clay Grey 26.21m-28.65m Sand Medium-coarse Water Supply 28.65m-29.26m Sand Gravel Medium-coarse Water Supply 29.26m-30.48m Sand Medium-coarse Water Supply 29.26m-30.48m Gravel Fine 30.48m-31.08m Gravel Fine 30.48m-31.08m Clay Bands 30.48m-31.08m Sand Medium-coarse Water Supply 31.08m-35.96m Sand Grey Water Supply 35.96m-37.79m Sand Grey Gravel Medium-coarse Water Supply 37.79m-39.92m Clay Black Silty 39.92m-40.84m Clay Black Grey 40.84m-42.36m Clay Grey 42.36m-43.89m Clay 43.89m-46.32m Clay Red Grey 46.32m-52.73m Clay Grey 52.73m-54.86m Clay Yellow Grey 54.86m-56.38m Clay 56.38m-57.30m Clay Light 57.30m-59.74m Clay 59.74m-61.87m Shale Yellow Grey Very Gritty 61.87m-65.53m Shale Dark Yellow Grey Very Gritty 65.53m-70.10m Granite Decomposed | 1805m | East |
| GW416607 | 0.00m-1.00m fill, brown, fine to medium grained sand, low plasticity clay 1.00m-5.00m clayey sand, red to dark brown, fine to medium grained, low plasticity clay with trace of silt 5.00m-6.00m gravel, sandy, yellow to grey, medium to coarse grained, with fine to coarse grained sand 6.00m-9.00m sandy clay, red, moderate plasticity, fine to medium grained sand 9.00m-12.00m siltstone, red grey | 1805m | South East |
| GW016403 | 0.00m-6.10m Loam 6.10m-10.67m Gravel River Sand Water Supply | 1814m | North West |
| GW404736 | 0.00m-0.20m FILL 0.20m-0.50m SAND 0.50m-1.80m CLAY 1.80m-13.00m CLAYSTONE 13.00m-18.00m SILTSTONE | 1816m | South East |
| GW027928 | 0.00m-0.91m Clay Black River 0.91m-3.66m Loam Light River 3.66m-5.49m Sand Very Coarse 5.49m-7.62m Sand Coarse Small Stones Water Supply | 1817m | North East |
| GW416603 | 0.00m-0.25m fill, brown, moderate plasticity clay, fine to coarse grained sand, with trace of silt 0.25m-7.00m sandy clay, red, moderate plasticity, fine to coarse grained sand 7.00m-14.00m siltstone, grey | 1821m | South East |
| GW416609 | 0.00m-5.00m fill, brown, fine to coarse grained sand, moderate plasticity clay, with trace of silt 5.00m-15.00m siltstone, grey to pale brown | 1821m | South East |
| GW404285 | 0.00m-0.12m CONCRETE 0.12m-1.20m FILL 1.20m-12.20m CLAY 12.20m-12.50m FISSURE - WATER 12.50m-13.00m CLAY | 1823m | South East |
| GW416602 | 0.00m-0.25m fill, brown, low plasticity clay, fine to coarse grain sand, trace mediu to coarse grained gravel 0.25m-10.00m clay, moderate plasticity, red to orange, traces of fine to coarse grained sand 10.00m-12.00m siltstone, grey 12.00m-16.00m siltstone, yellow 16.00m-18.70m gravel, fine to coarse grained 18.70m-19.00m sand, gravelly, grey yellow, fine to coarse grained, with fine to coarse grained gravel | 1825m | South East |
| GW404734 | 0.00m-0.20m FILL 0.20m-1.00m SAND 1.00m-8.00m CLAY 8.00m-10.00m SILTSTONE - PALE GREY - EXTREMELY WEATHERED 10.00m-27.00m SILTSTONE - PALE GREY | 1826m | South East |
| GW404735 | 0.00m-0.50m TOPSOIL 0.50m-2.00m SAND 2.00m-12.00m CLAY 12.00m-17.00m SILTSTONE | 1832m | South East |

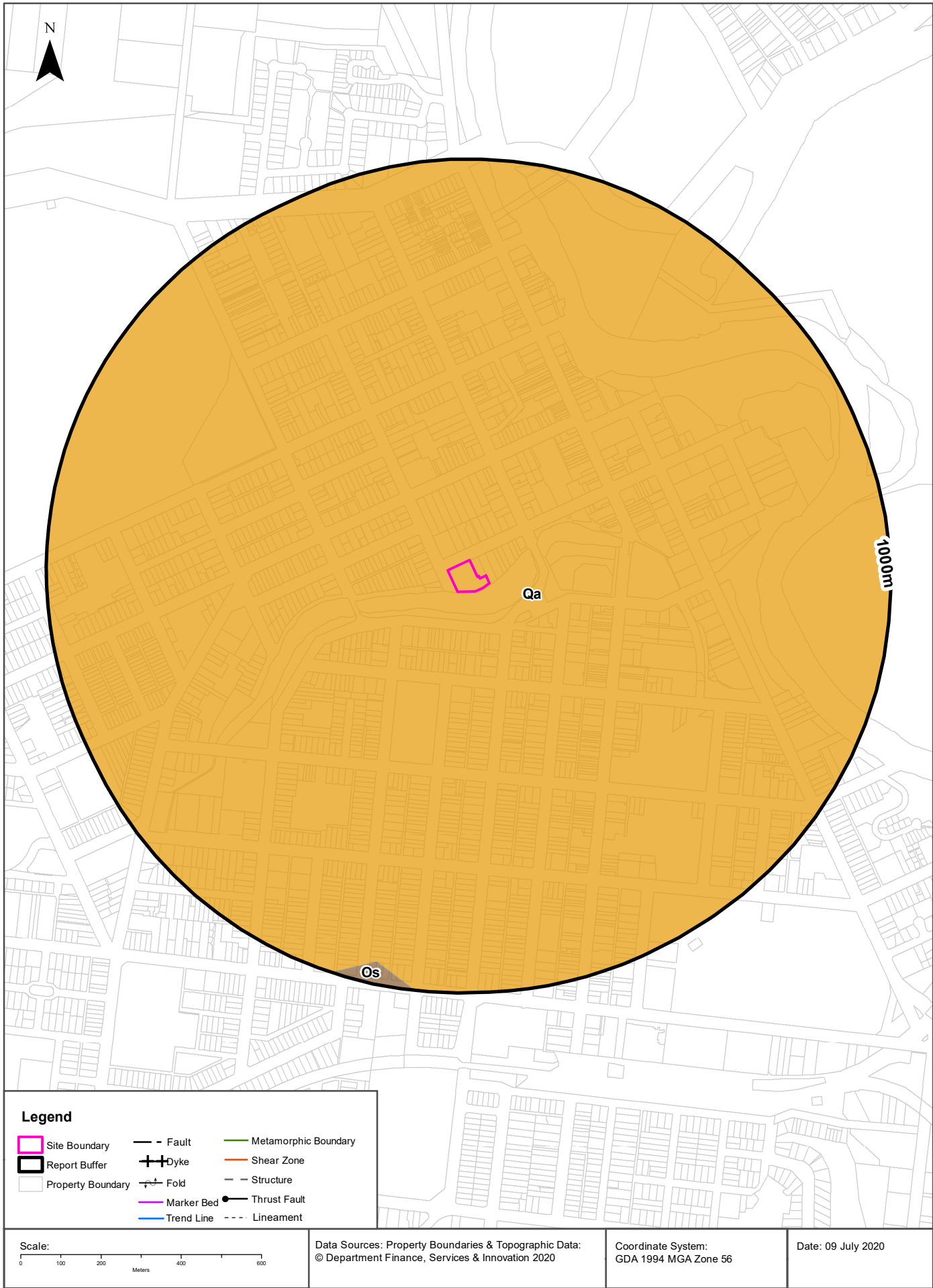
| Groundwater No | Drillers Log | Distance | Direction |
|----------------|---|----------|------------|
| GW404286 | 0.00m-2.70m FILL 2.70m-9.40m CLAY 9.40m-10.80m SAND 10.80m-11.50m CLAY | 1833m | South East |
| GW403542 | 0.00m-0.20m Asphalt 0.20m-0.70m Fill 0.70m-7.70m Clay 7.70m-11.80m Sand 11.80m-12.10m Clay | 1841m | South East |
| GW403371 | 0.00m-0.10m Asphalt 0.10m-0.50m Silt 0.50m-1.20m Silt, brown 1.20m-11.40m Clay, silty | 1860m | South East |
| GW020342 | 0.00m-8.53m Driller 8.53m-14.33m Sand Gravel Water Supply | 1864m | East |
| GW401087 | 0.00m-3.00m Silty Clay, red 3.00m-5.00m Clay, red 5.00m-45.00m Weathered Siltstone, red, yellow, light grey 45.00m-73.00m Shale, black, well cleaved, quartz veining | 1868m | South West |
| GW403544 | 0.00m-1.40m Fill 1.40m-7.50m Clay 7.50m-13.00m Sand | 1868m | South East |
| GW403376 | 0.00m-0.10m Asphalt 0.10m-0.50m Silt, brown 0.50m-12.50m Clay, silty | 1871m | South East |
| GW403372 | 0.00m-0.10m Asphalt 0.10m-0.50m Silt 0.50m-12.50m Clay, silty 12.50m-13.50m Sand, silty 13.50m-14.00m Sand, gravelly | 1874m | South East |
| GW028312 | 0.00m-9.14m Driller 9.14m-14.33m Gravel River Water Supply | 1876m | North East |
| GW031474 | 0.00m-6.10m Clay Sandy 6.10m-24.38m Sand Gravel Water Supply | 1876m | South West |
| GW403718 | 0.00m-0.20m BITUMEN 0.20m-4.80m CLAY 4.80m-11.10m SAND | 1877m | South East |
| GW403541 | 0.00m-0.20m Asphalt 0.20m-0.50m Fill 0.50m-6.90m Clay 6.90m-9.00m Sand 9.00m-9.10m Clay | 1880m | South East |
| GW403717 | 0.00m-0.20m BITUMEN 0.20m-4.40m CLAY 4.40m-6.40m SAND 6.40m-7.20m CLAY/SAND 7.20m-11.10m SAND | 1889m | South East |
| GW401089 | 0.00m-1.00m Silty sandy clay, sand - 10%, light brown 1.00m-2.00m Sandy clay - fine to coarse sand, 20%, light brown 2.00m-4.00m clay - firm, fine sand 5% 4.00m-5.00m Silty sandy clay, stiff, iron oxide, 5% sand 5.00m-6.00m Sandy clay - fine coarse, angular to subangular, light brown 6.00m-7.00m Weathered siltstone, iron oxide, orange, light grey, fine to medium sand 7.00m-11.00m Weathered siltstone, light grey, iron oxide 11.00m-24.00m Weathered siltstone, orange to red, quartz grained, round to sub-angular 24.00m-26.00m Sandy clay fine 5% 26.00m-27.00m Clayey sand, fine, 5%, firm 27.00m-28.00m Sand, Orange 28.00m-29.00m Weathered siltstone, fine sand, clay 29.00m-31.00m Weathered siltstone, light grey, clayey, 5% sand 31.00m-34.00m Weathered siltstone, fine to coarse, angular, sand stained 34.00m-38.00m Weathered siltstone, fine to coarse, angular, sand stained, slate, quartz nodules 38.00m-39.00m Weathered shale, black 39.00m-42.00m Siltstone, weathered, clay and sand 42.00m-47.00m Weathered siltstone, clay and sand, orange 47.00m-48.00m Shale, green, weathered slightly 48.00m-53.00m Shale, slightly weathered, green and oxidised 53.00m-59.00m Shale, green/phyllite, well layered 59.00m-60.00m Shale, well layered, light brown 60.00m-71.00m Shale, well layered, light brown, slightly weathered | 1894m | South West |

| Groundwater No | Drillers Log | Distance | Direction |
|----------------|--|----------|------------|
| GW403543 | 0.00m-0.20m Asphalt 0.20m-0.60m Fill 0.60m-8.60m Clay 8.60m-13.00m Sand | 1911m | South East |
| GW402858 | 0.00m-1.00m TOPSOIL, BROWN 1.00m-10.00m CLAY, YELLOW, BROWN, DRY | 1918m | South West |
| GW401743 | 0.00m-0.30m SAND, L/BROWN 0.30m-6.00m CLAY, YELLOW BROWN 6.00m-6.50m CLAY, MOTTLED BROWN GREY 6.50m-7.00m CLAY, YELLOW BROWN | 1923m | South West |
| GW028005 | 0.00m-8.23m Soil Grey Clayey Nominal 0.00m-8.23m Sand Silty Clayey 8.23m-9.14m Sand Light Grey Very Coarse Gravel Coarse Water Supply | 1927m | North East |
| GW403716 | 0.00m-0.20m BITUMEN 0.20m-5.50m CLAY 5.50m-11.00m SAND | 1938m | South East |
| GW402857 | 0.00m-1.00m TOPSOIL, BROWN 1.00m-10.00m CLAY, YELLOW, BROWN, DRY | 1960m | South West |
| GW403715 | 0.00m-0.20m BITUMEN 0.20m-0.50m FILL 0.50m-6.50m SAND 6.50m-7.80m CLAY/SAND 7.80m-11.50m SAND | 1976m | South East |
| GW401741 | 0.00m-0.20m TOPSOIL, BROWN 0.20m-1.40m SILTY CLAY, BROWN RED 1.40m-5.80m CLAY, ORANGE 5.80m-6.00m SANDY CLAY, RED 6.00m-6.50m CLAY, RED | 1985m | South West |
| GW401742 | 0.00m-0.20m SANDY LOAM, BROWN 0.20m-1.00m SILTY CLAY, ORANGE BROWN 1.00m-1.50m CLAY, YELLOW ORANGE 1.50m-5.00m SANDY CLAY, YELLOW BROWN 5.00m-6.00m CLAY, YELLOW BROWN | 1985m | South West |
| GW025186 | 0.00m-1.22m Topsoil 1.22m-1.83m Clay Stony 1.83m-2.74m Clay Black Stony 2.74m-3.96m Clay 3.96m-5.79m Clay Yellow 5.79m-10.36m Clay Grey 10.36m-10.67m Clay Yellow Gravel 10.67m-14.33m Gravel Stony Very Coarse Water Supply 10.67m-14.33m Sand 14.33m-14.94m Clay Black 14.33m-14.94m Gravel Stony Very Coarse 14.94m-15.54m Gravel Stony Very Coarse 14.94m-15.54m Clay Bands 14.94m-15.54m Sand 15.54m-21.03m Sand 15.54m-21.03m Gravel Stony Very Coarse Water Supply 21.03m-25.30m Gravel Silty Coarse 21.03m-25.30m Sand 25.30m-27.74m Sand 25.30m-27.74m Gravel Silty Coarse 27.74m-30.78m Gravel Grey Fine 27.74m-30.78m Clay 30.78m-35.66m Sand Silty Coarse 30.78m-35.66m Gravel Grey Fine Water Supply 35.66m-39.01m Clay Light Green Silty 39.01m-41.15m Clay Grey 41.15m-42.98m Clay Black 42.98m-47.55m Clay Dark Brown Grey 47.55m-48.77m Clay Light Grey 48.77m-50.60m Clay Black Grey Sandy 50.60m-51.51m Clay Grey Sandy 51.51m-53.04m Granite Decomposed | 1989m | East |

Drill Log Data Source: NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corp
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Geology 1:250,000

1 Simmons Street, Wagga Wagga, NSW 2650



Geology

1 Simmons Street, Wagga Wagga, NSW 2650

Geological Units

What are the Geological Units onsite?

| Symbol | Description | Unit Name | Group | Sub Group | Age | Dom Lith | Map Sheet | Dataset |
|--------|-----------------------------------|-----------|-------|-----------|-----------|----------|-----------|-----------|
| Qa | Alluvium-Gravel, sand, silt, clay | | | | Cainozoic | | | 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 |
|--------|--|----------------------|-------------|-----------|------------|----------|-----------|-----------|
| Os | Shale, subGreywacke, quartzite, impure sandstone, black (Carbonaceous) slate and siltstone | Wagga Marginal Basin | Wagga Group | | Palaeozoic | | | 1:250,000 |
| Qa | Alluvium-Gravel, sand, silt, clay | | | | 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

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Naturally Occurring Asbestos Potential

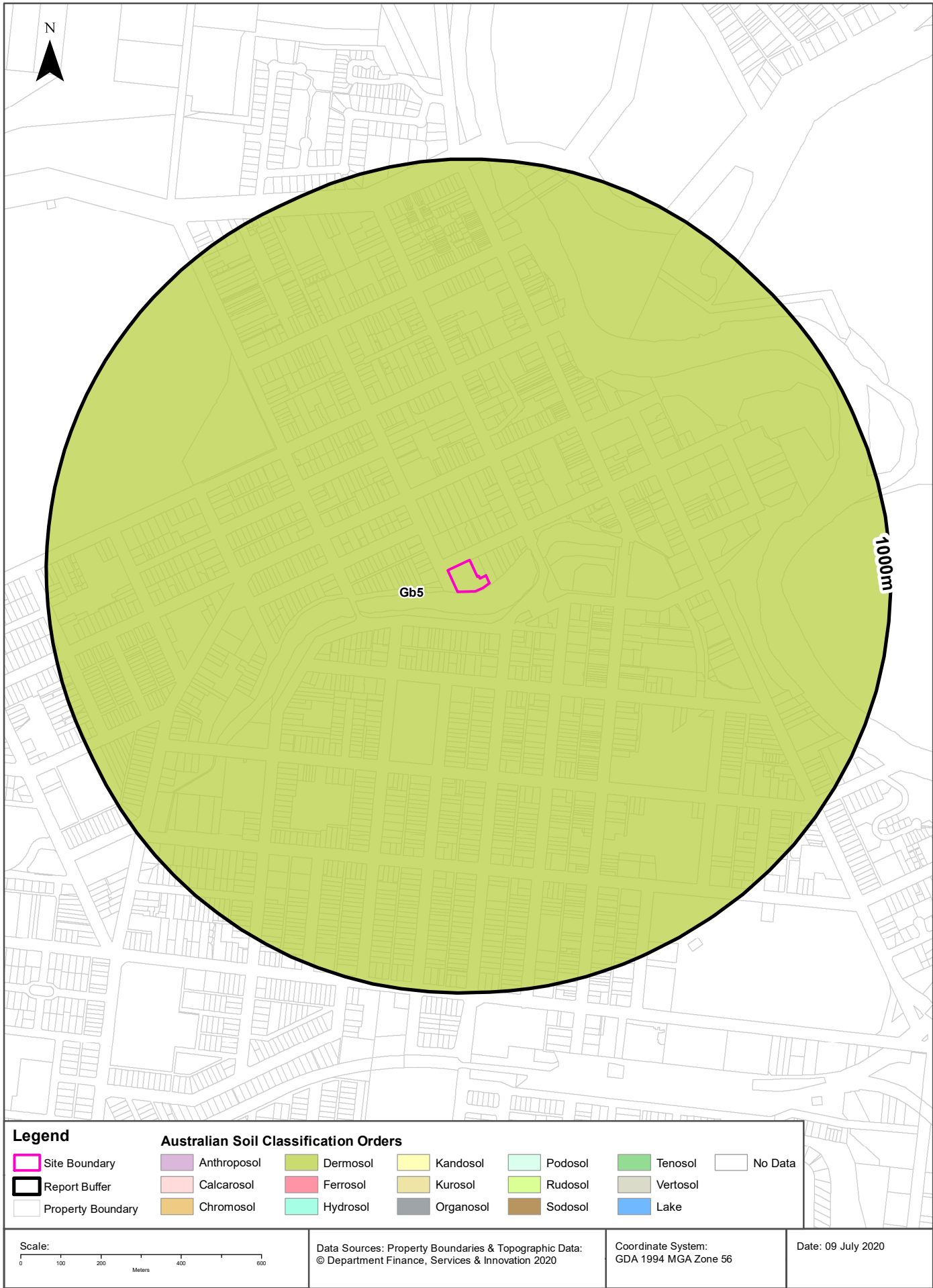
1 Simmons Street, Wagga Wagga, NSW 2650

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

1 Simmons Street, Wagga Wagga, NSW 2650

Atlas of Australian Soils

Soil mapping units and Australian Soil Classification orders within the dataset buffer:

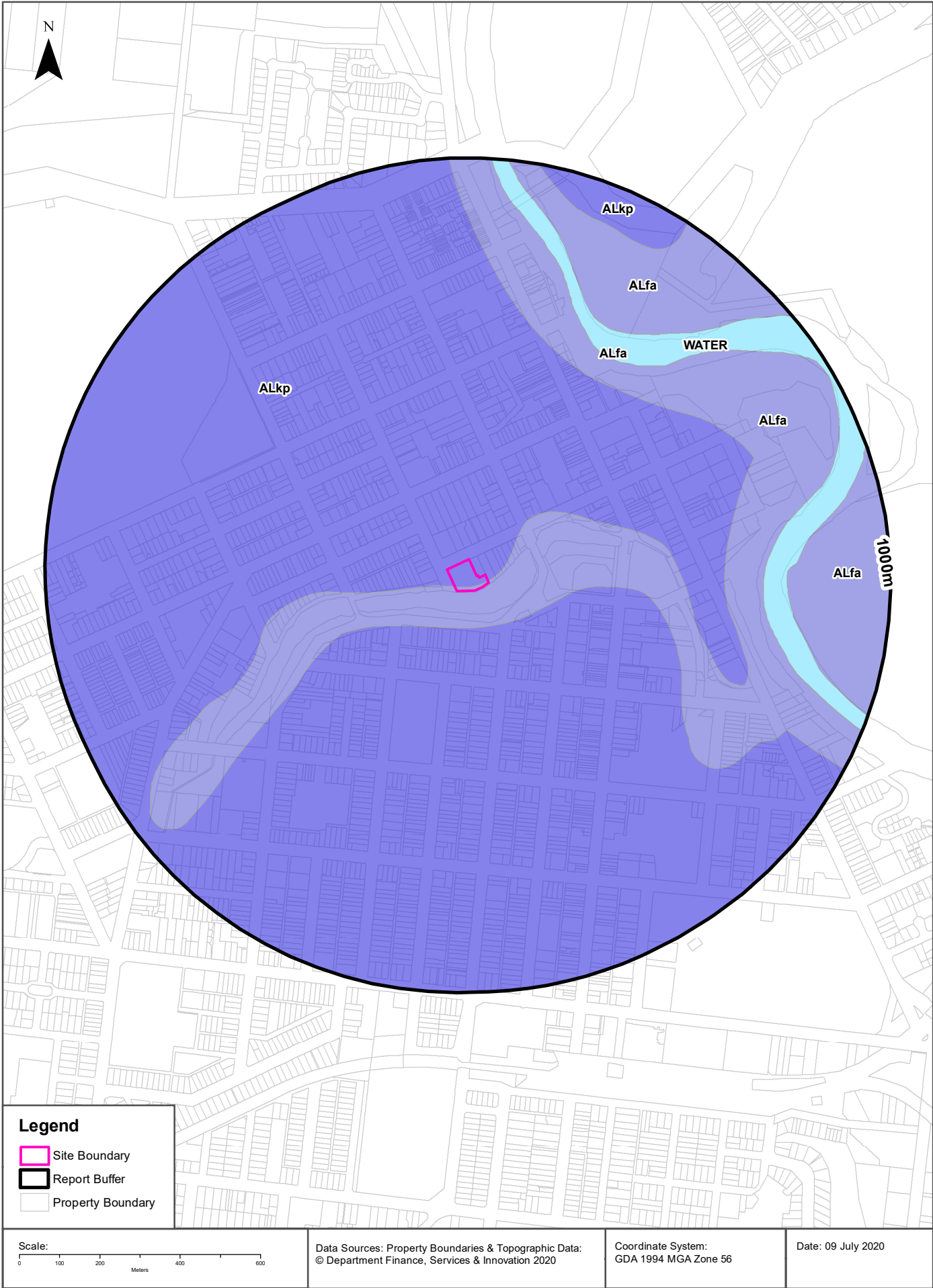
| Map Unit Code | Soil Order | Map Unit Description | Distance |
|---------------|------------|--|----------|
| Gb5 | Dermosol | River terraces and flood-plains with lagoons and swamps, well drained to poorly drained, some areas subject to periodic inundation: chief soils are probably dark porous loamy soils (Um6.11) on terraces and levee formations with various (Uc) and (Um) soils on present flood-plains. Associated are variable areas of the soils recorded for unit Va15 on terrace remnants and adjoining slopes. Data are limited. As mapped, areas of soils of the adjoining units may be included. | 0m |

Atlas of Australian Soils Data Source: CSIRO

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Soil Landscapes

1 Simmons Street, Wagga Wagga, NSW 2650



Soils

1 Simmons Street, Wagga Wagga, NSW 2650

Soil Landscapes

What are the onsite Soil Landscapes?

| Soil Code | Name | Group | Process | Map Sheet | Scale |
|-----------|-----------------|-------|----------|----------------|-----------|
| ALfa | FARNHAM | | ALLUVIAL | Wagga Wagga | 1:100,000 |
| ALkp | KURRAJONG PLAIN | | ALLUVIAL | Wagga Wagga | 1:100,000 |

What are the Soil Landscapes within the dataset buffer?

| Soil Code | Name | Group | Process | Map Sheet | Scale |
|-----------|-----------------|-------|----------|----------------|-----------|
| ALfa | FARNHAM | | ALLUVIAL | Wagga Wagga | 1:100,000 |
| ALkp | KURRAJONG PLAIN | | ALLUVIAL | Wagga Wagga | 1:100,000 |
| WATER | WATER | | WATER | Wagga Wagga | 1:100,000 |

Soils Landscapes Data Source : NSW Office of Environment and Heritage

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Acid Sulfate Soils

1 Simmons Street, Wagga Wagga, NSW 2650

Environmental Planning Instrument - Acid Sulfate Soils

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

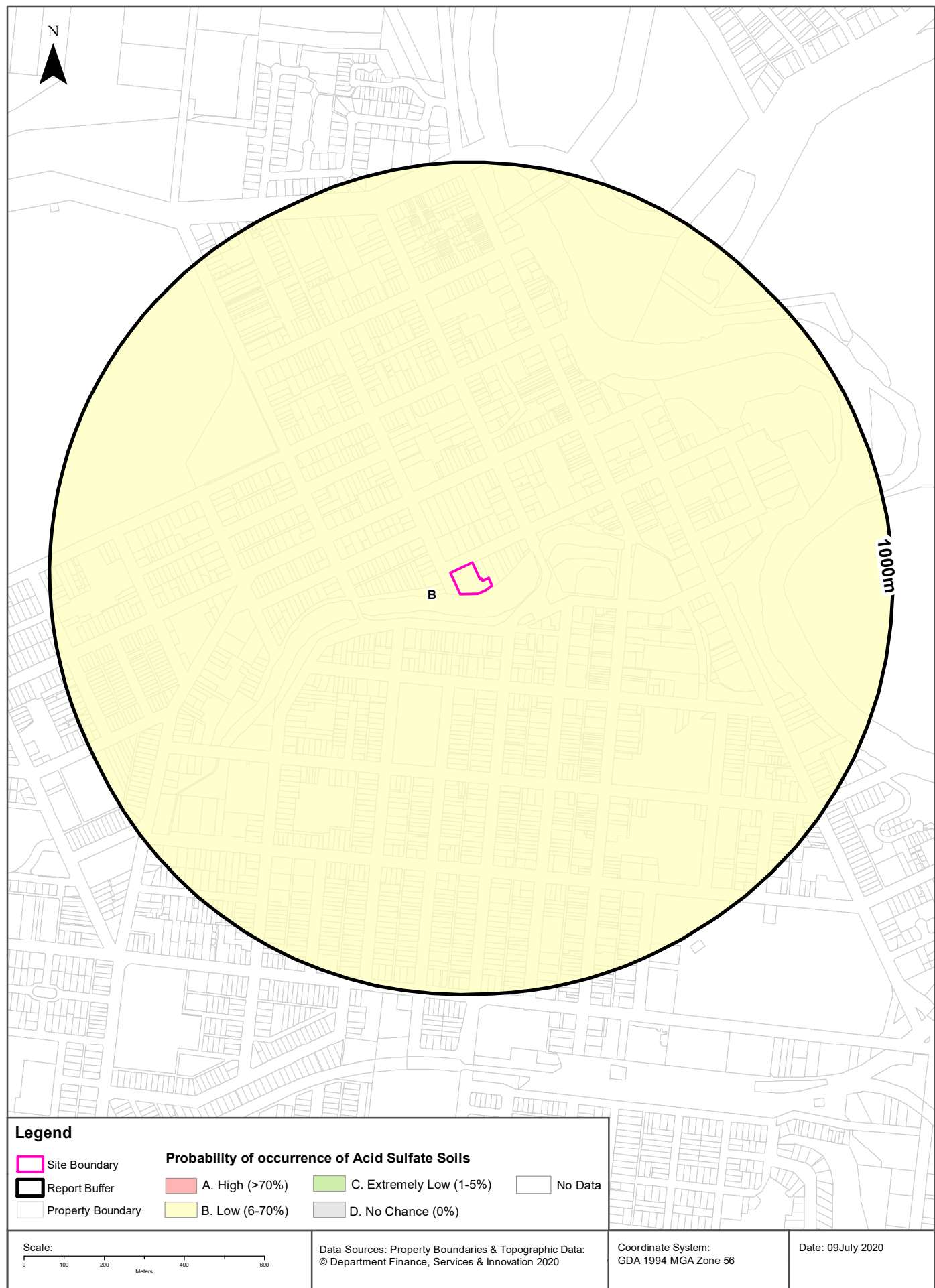
| Soil Class | Description | EPI Name |
|------------|-------------|----------|
| N/A | | |

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

| Soil Class | Description | EPI Name | Distance | Direction |
|------------|-------------|----------|----------|-----------|
| N/A | | | | |

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Acid Sulfate Soils

1 Simmons Street, Wagga Wagga, NSW 2650

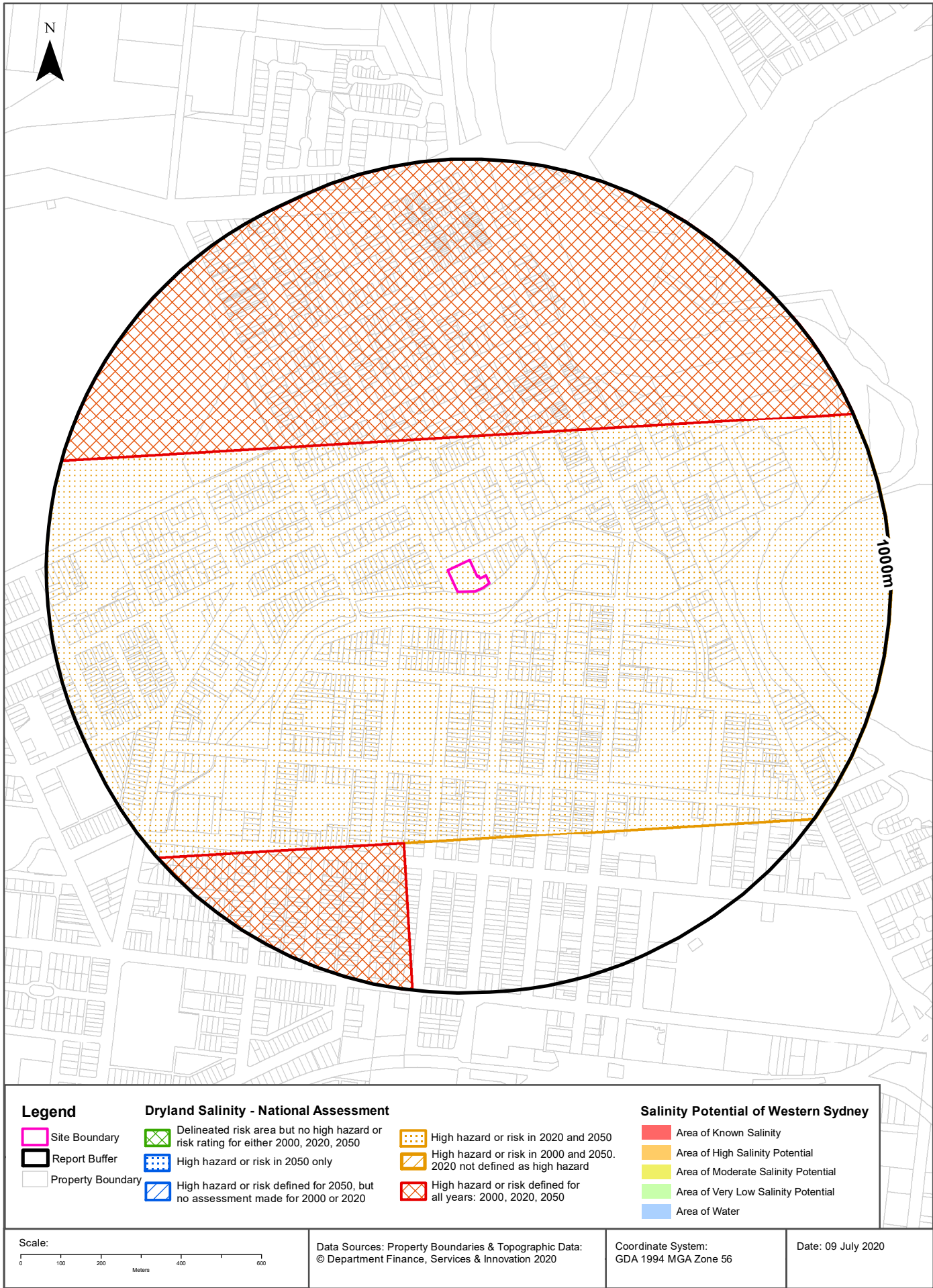
Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

| Class | Description | Distance |
|-------|--|----------|
| B | Low Probability of occurrence. 6-70% chance of occurrence. | 0m |

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Dryland Salinity

1 Simmons Street, Wagga Wagga, NSW 2650

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

Yes

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 | 0m | Onsite |
| High hazard or risk | High hazard or risk | High hazard or risk | 307m | North |

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

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Mining Subsidence Districts

1 Simmons Street, Wagga Wagga, NSW 2650

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)
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State Environmental Planning Policy

1 Simmons Street, Wagga Wagga, NSW 2650

State Significant Precincts

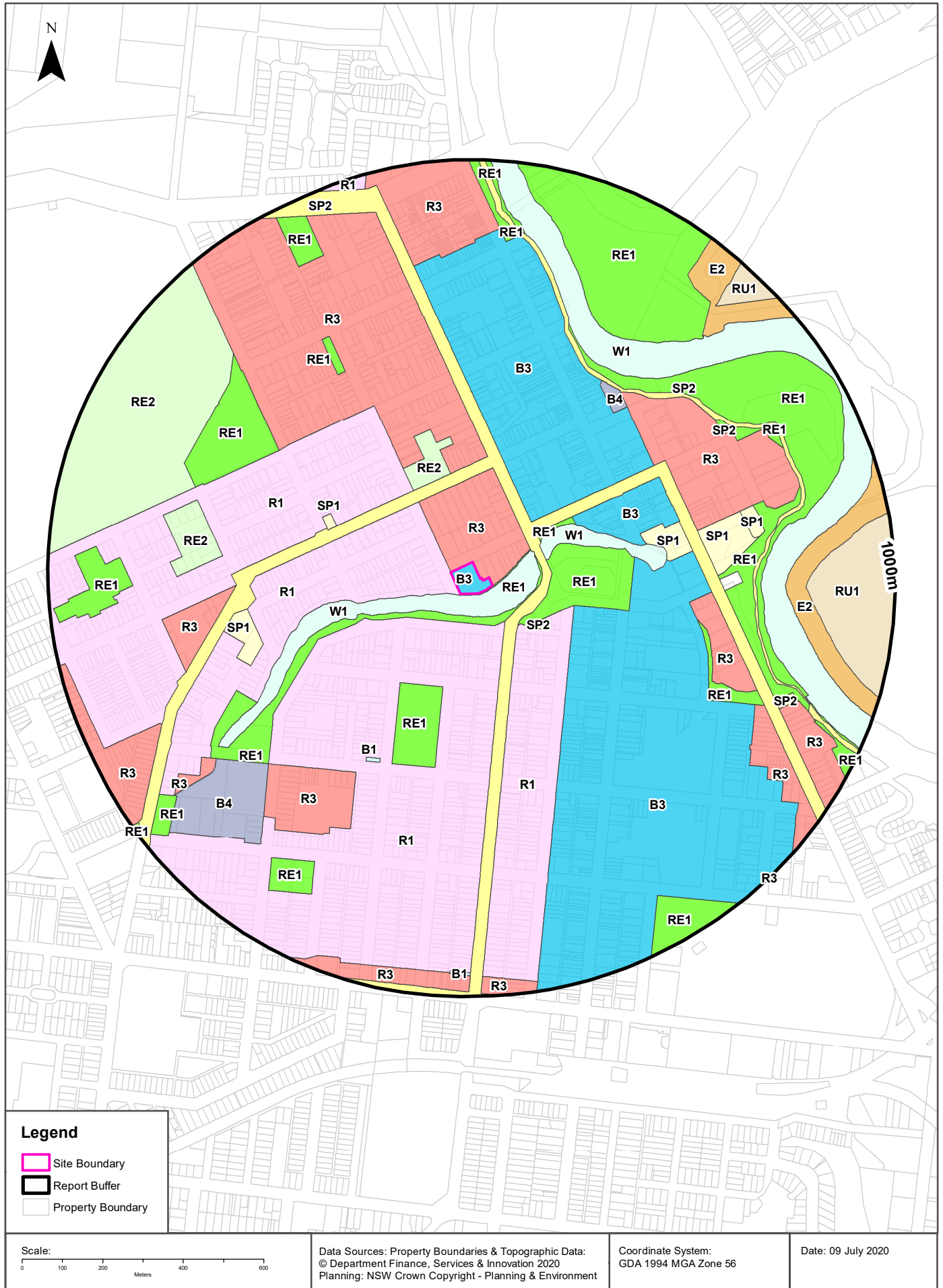
What SEPP State Significant Precincts exist within the dataset buffer?

| Map Id | Precinct | EPI Name | Published Date | Commenced Date | Currency Date | Amendment | Distance | Direction |
|--------|----------------------|----------|----------------|----------------|---------------|-----------|----------|-----------|
| N/A | No Records in Buffer | | | | | | | |

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EPI Planning Zones

1 Simmons Street, Wagga Wagga, NSW 2650



Environmental Planning Instrument

1 Simmons Street, Wagga Wagga, NSW 2650

Land Zoning

What EPI Land Zones exist within the dataset buffer?

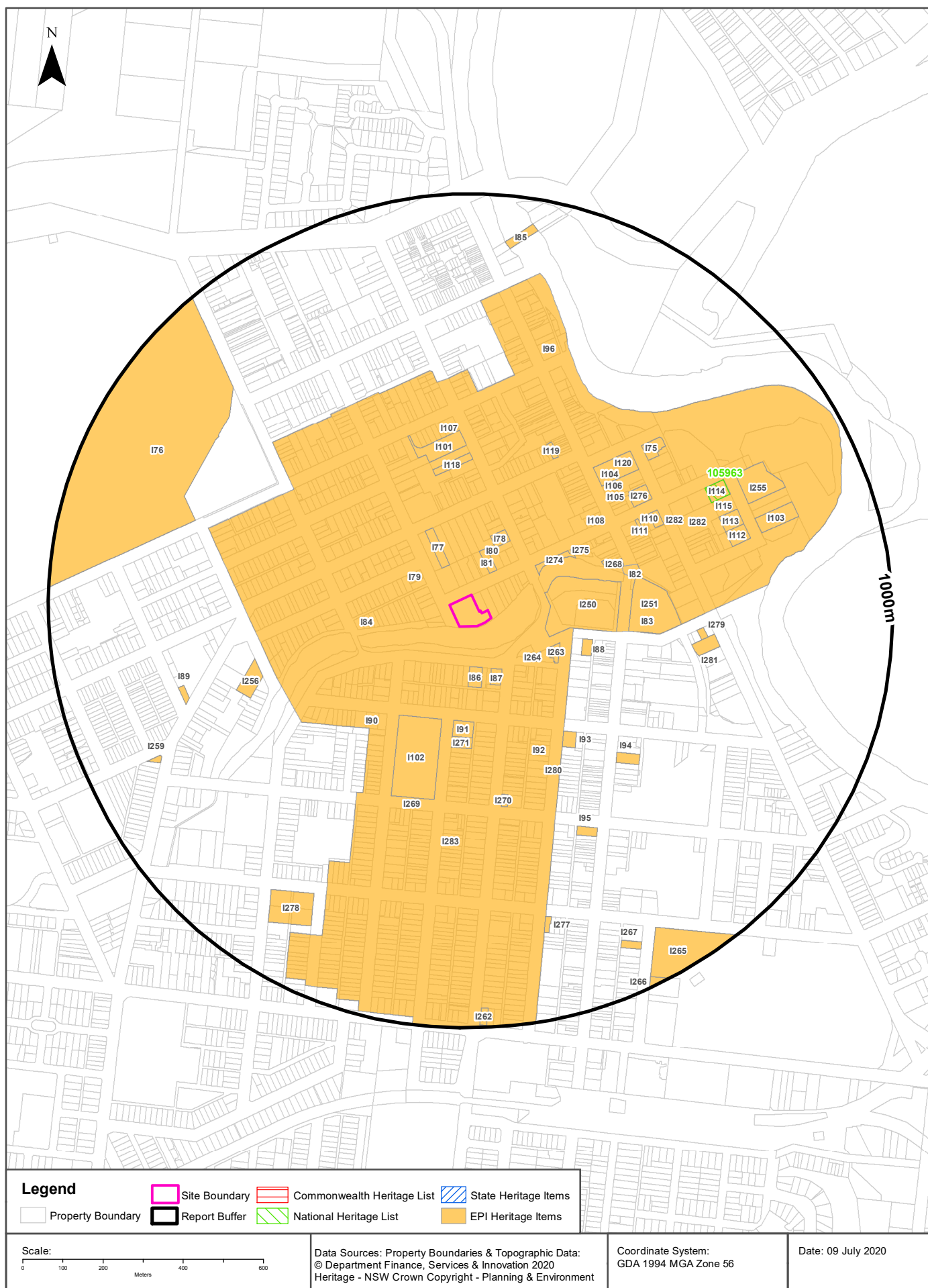
| Zone | Description | Purpose | EPI Name | Published Date | Commenced Date | Currency Date | Amendment | Distance | Direction |
|------|----------------------------|------------------------------|---|----------------|----------------|---------------|-----------------|----------|------------|
| B3 | Commercial Core | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 0m | Onsite |
| R1 | General Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 0m | West |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 0m | North |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 0m | East |
| W1 | Natural Waterways | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 3m | South West |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 53m | South West |
| R1 | General Residential | | Wagga Wagga Local Environmental Plan 2010 | 14/02/2020 | 14/02/2020 | 03/04/2020 | Amendment No 31 | 70m | South West |
| SP2 | Infrastructure | Road | Wagga Wagga Local Environmental Plan 2010 | 26/10/2018 | 26/10/2018 | 03/04/2020 | Amendment No 21 | 83m | West |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 108m | East |
| R1 | General Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 116m | South |
| SP2 | Infrastructure | Electricity Generating Works | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 133m | South East |
| W1 | Natural Waterways | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 146m | East |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 155m | North East |
| B3 | Commercial Core | | Wagga Wagga Local Environmental Plan 2010 | 26/10/2018 | 26/10/2018 | 03/04/2020 | Amendment No 21 | 173m | North |
| B3 | Commercial Core | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 207m | South East |
| R1 | General Residential | | Wagga Wagga Local Environmental Plan 2010 | 08/05/2015 | 08/05/2015 | 03/04/2020 | Amendment No 14 | 223m | West |
| RE2 | Private Recreation | | Wagga Wagga Local Environmental Plan 2010 | 26/10/2018 | 26/10/2018 | 03/04/2020 | Amendment No 21 | 223m | North |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 26/10/2018 | 26/10/2018 | 03/04/2020 | Amendment No 21 | 227m | North West |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 234m | South |
| B3 | Commercial Core | | Wagga Wagga Local Environmental Plan 2010 | 08/05/2015 | 08/05/2015 | 03/04/2020 | Amendment No 14 | 252m | North East |
| SP1 | Special Activities | Public Building | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 306m | North West |
| SP1 | Special Activities | Public Building | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 388m | East |
| B1 | Neighbourhood Centre | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 454m | South West |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 488m | East |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 494m | North East |
| SP1 | Special Activities | Defence | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 499m | West |
| B4 | Mixed Use | | Wagga Wagga Local Environmental Plan 2010 | 09/09/2016 | 09/09/2016 | 03/04/2020 | Amendment No 17 | 508m | North East |

| Zone | Description | Purpose | EPI Name | Published Date | Commenced Date | Currency Date | Amendment | Distance | Direction |
|------|----------------------------|-----------------------|---|----------------|----------------|---------------|-----------------|----------|------------|
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 513m | South West |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 513m | East |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 523m | North West |
| SP1 | Special Activities | Car Park | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 525m | East |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 533m | West |
| SP2 | Infrastructure | Flood Migration Works | Wagga Wagga Local Environmental Plan 2010 | 26/10/2018 | 26/10/2018 | 03/04/2020 | Amendment No 21 | 551m | North East |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 26/10/2018 | 26/10/2018 | 03/04/2020 | Amendment No 21 | 558m | East |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 563m | East |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 565m | North West |
| RE2 | Private Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 568m | West |
| W1 | Natural Waterways | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 581m | West |
| B4 | Mixed Use | | Wagga Wagga Local Environmental Plan 2010 | 14/02/2020 | 14/02/2020 | 03/04/2020 | Amendment No 31 | 636m | South West |
| SP1 | Special Activities | Public Building | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 640m | East |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 661m | North |
| RE2 | Private Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 668m | North West |
| SP2 | Infrastructure | Community Facility | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 678m | North East |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 681m | North East |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 714m | South East |
| E2 | Environmental Conservation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 726m | East |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 732m | South West |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 26/10/2018 | 26/10/2018 | 03/04/2020 | Amendment No 21 | 750m | North |
| SP2 | Infrastructure | Cultural Activities | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 757m | East |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 758m | South West |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 26/10/2018 | 26/10/2018 | 03/04/2020 | Amendment No 21 | 773m | South East |
| RU1 | Primary Production | | Wagga Wagga Local Environmental Plan 2010 | 30/06/2017 | 30/06/2017 | 03/04/2020 | Amendment No 18 | 777m | North |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 790m | West |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 800m | North |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 809m | South West |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 823m | North |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 848m | North West |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 26/10/2018 | 26/10/2018 | 03/04/2020 | Amendment No 21 | 860m | South East |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 865m | South West |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 869m | South East |
| B1 | Neighbourhood Centre | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 937m | South |

| Zone | Description | Purpose | EPI Name | Published Date | Commenced Date | Currency Date | Amendment | Distance | Direction |
|------|----------------------------|---------|---|----------------|----------------|---------------|-----------|----------|------------|
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 940m | South West |
| R3 | Medium Density Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 951m | South |
| R1 | General Residential | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 966m | North |
| RE1 | Public Recreation | | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 03/04/2020 | | 980m | South West |

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1 Simmons Street, Wagga Wagga, NSW 2650



Heritage

1 Simmons Street, Wagga Wagga, NSW 2650

Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

| Place Id | Name | Address | Place File No | Class | Status | Register Date | Distance | Direction |
|----------|----------------------|---------|---------------|-------|--------|---------------|----------|-----------|
| N/A | No records in buffer | | | | | | | |

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?

Note. Please click on Place Id to activate a hyperlink to online website.

| Place Id | Name | Address | Place File No | Class | Status | Register Date | Distance | Direction |
|----------|-----------------------|------------------------------|---------------|----------|------------------------------------|---------------|----------|------------|
| 105963 | St Michaels Cathedral | Johnston St, Wagga Wagga NSW | 1/06/323/0004 | Historic | Nomination now ineligible for PPAL | | 619m | North East |

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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State Heritage Register - Curtilages

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

| Map Id | Name | Address | LGA | Listing Date | Listing No | Plan No | Distance | Direction |
|--------|----------------------|---------|-----|--------------|------------|---------|----------|-----------|
| N/A | No records in buffer | | | | | | | |

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Environmental Planning Instrument - Heritage

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

| Map Id | Name | Classification | Significance | EPI Name | Published Date | Commenced Date | Currency Date | Distance | Direction |
|--------|-------------------------------|-----------------------------|--------------|---|----------------|----------------|---------------|----------|------------|
| | Wagga Wagga Conservation Area | Conservation Area - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 0m | Onsite |
| I81 | Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 69m | North |
| I80 | Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 87m | North East |

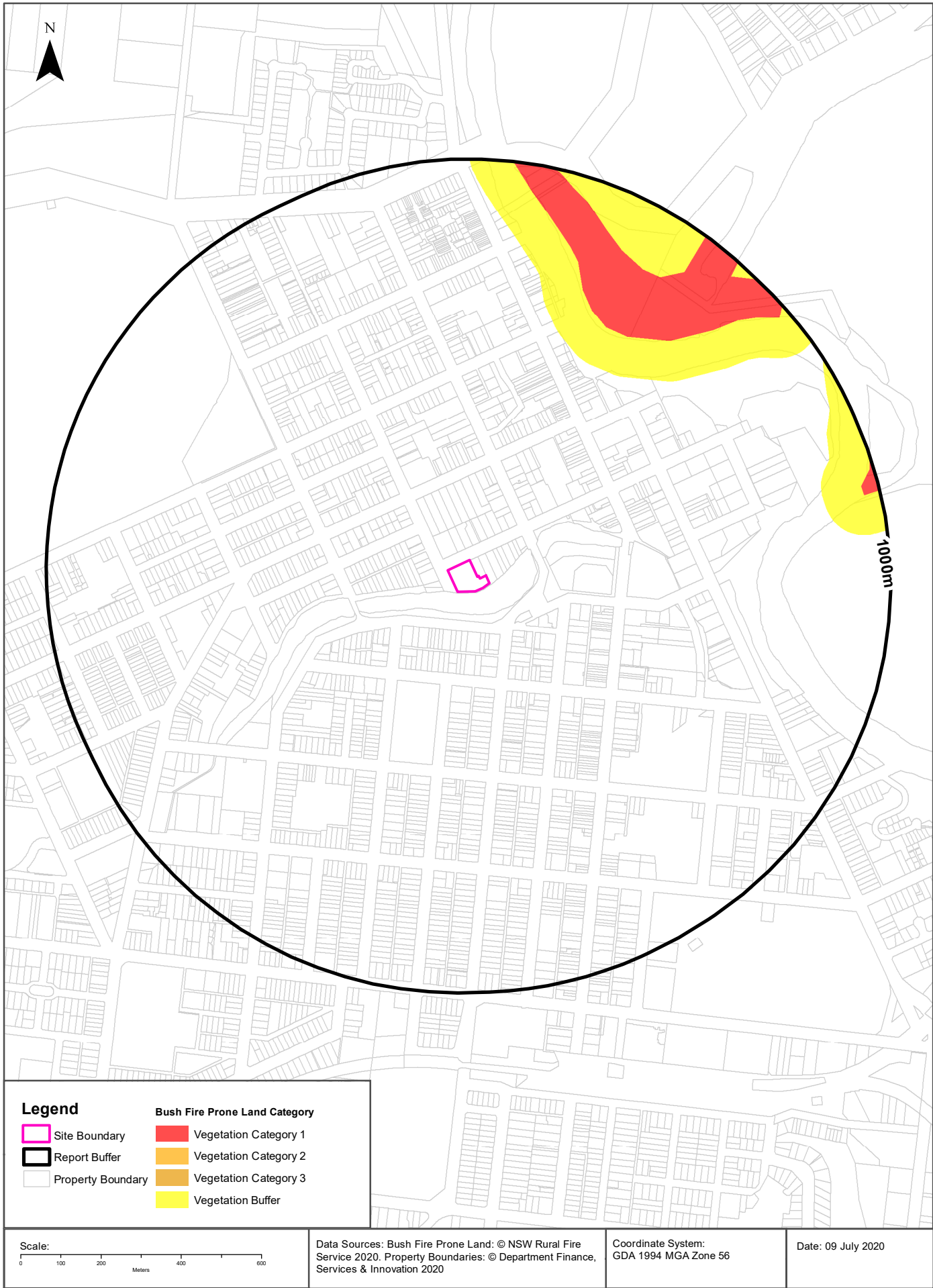
| Map Id | Name | Classification | Significance | EPI Name | Published Date | Commenced Date | Currency Date | Distance | Direction |
|--------|--|----------------|--------------|---|----------------|----------------|---------------|----------|------------|
| I77 | Headmasters Residence (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 92m | North West |
| I79 | Residence (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 95m | North West |
| I86 | Brewery (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 100m | South |
| I87 | Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 111m | South East |
| I78 | Dorset Cottage | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 131m | North |
| I264 | Electrical Substation | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 133m | South East |
| I250 | Victory Memorial Gardens | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 01/05/2015 | 01/05/2015 | 26/10/2018 | 135m | East |
| I274 | Canary Island Palm Trees (along the lagoon) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 155m | North East |
| I263 | Fire Station Building and Residence (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 159m | South East |
| I84 | Semi-detached Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 01/05/2015 | 01/05/2015 | 26/10/2018 | 183m | West |
| I88 | The Manor | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 232m | East |
| I91 | Residence (former Home of Compassion) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 233m | South |
| I102 | Collins Park | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 234m | South |
| I275 | Ambulance Station | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 253m | North East |
| I271 | Residence "Moonbiana" | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 273m | South |
| I90 | Terrace Building | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 294m | South West |
| I268 | 2WG sign | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 307m | East |
| I118 | House | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 310m | North |
| I280 | Palm Tree Avenue | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 313m | South East |
| I92 | Residence (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 320m | South East |
| I93 | Residence (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 332m | South East |
| I108 | ANZ Bank (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 333m | North East |
| I251 | Civic Precinct | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 01/05/2015 | 01/05/2015 | 26/10/2018 | 342m | East |
| I83 | Council Chambers (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 01/05/2015 | 01/05/2015 | 26/10/2018 | 342m | East |

| Map Id | Name | Classification | Significance | EPI Name | Published Date | Commenced Date | Currency Date | Distance | Direction |
|--------|--|----------------|--------------|---|----------------|----------------|---------------|----------|------------|
| I82 | Street Directory and Palm Trees | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 01/05/2015 | 01/05/2015 | 26/10/2018 | 347m | East |
| I101 | Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 347m | North |
| I119 | Shops | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 394m | North East |
| I107 | Belmore House, Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 400m | North |
| I105 | Post Office (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 403m | North East |
| I106 | CBC Bank (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 411m | North East |
| I104 | Court House | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 420m | North East |
| I120 | Police Station | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 420m | North East |
| I270 | Corner Store and Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 423m | South |
| I111 | Bryan J Hamilton Offices (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 427m | North East |
| I269 | Water trough | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 01/05/2015 | 01/05/2015 | 26/10/2018 | 441m | South |
| I276 | Wesley Uniting Church | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 446m | North East |
| I110 | Kyeamba Shire and Mitchell Shire Office Buildings (former) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 451m | North East |
| I94 | Plaza Theatre | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 457m | South East |
| I109 | Department of Lands Building | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 464m | North East |
| I256 | Drill Hall | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 499m | West |
| I281 | Cottage | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 502m | East |
| I279 | Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 512m | East |
| I282 | Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 517m | North East |
| I282 | Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 518m | East |
| I283 | Brick Building | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 526m | South |
| I75 | Riverine Club | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 546m | North East |
| I95 | Union Club Hotel | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 556m | South East |
| I96 | Barbers Restaurant | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 611m | North |

| Map Id | Name | Classification | Significance | EPI Name | Published Date | Commenced Date | Currency Date | Distance | Direction |
|--------|---|----------------|--------------|---|----------------|----------------|---------------|----------|------------|
| I113 | St Andrews Manse | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 619m | East |
| I114 | St Michaels Roman Catholic Cathedral | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 619m | North East |
| I115 | Bishops House | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 619m | North East |
| I112 | St Andrews Presbyterian Church | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 621m | East |
| I76 | Racecourse Group of Buildings: Entrance Building, Administration Building, Grandstand etc | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 01/05/2015 | 01/05/2015 | 26/10/2018 | 668m | North West |
| I89 | Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 689m | West |
| I255 | Christian Brothers High School and Staff Centre (former Monastery) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 700m | North East |
| I103 | St Johns Anglican Church | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 701m | East |
| I277 | Corner Store and Residence | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 743m | South |
| I278 | South Wagga Tennis Club | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 01/05/2015 | 01/05/2015 | 26/10/2018 | 758m | South West |
| I259 | Former Corner Store | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 809m | South West |
| I267 | Residential Flats Wilstone Court | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 860m | South East |
| I265 | Robertson Oval Gates and Ticket Boxes | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 869m | South East |
| I85 | The Hampden Bridge (Timber Truss Bridge) | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 869m | North |
| I262 | Former Corner Store | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 951m | South |
| I266 | Croquet Club | Item - General | Local | Wagga Wagga Local Environmental Plan 2010 | 16/07/2010 | 16/07/2010 | 26/10/2018 | 974m | South East |

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Natural Hazards

1 Simmons Street, Wagga Wagga, NSW 2650

Bush Fire Prone Land

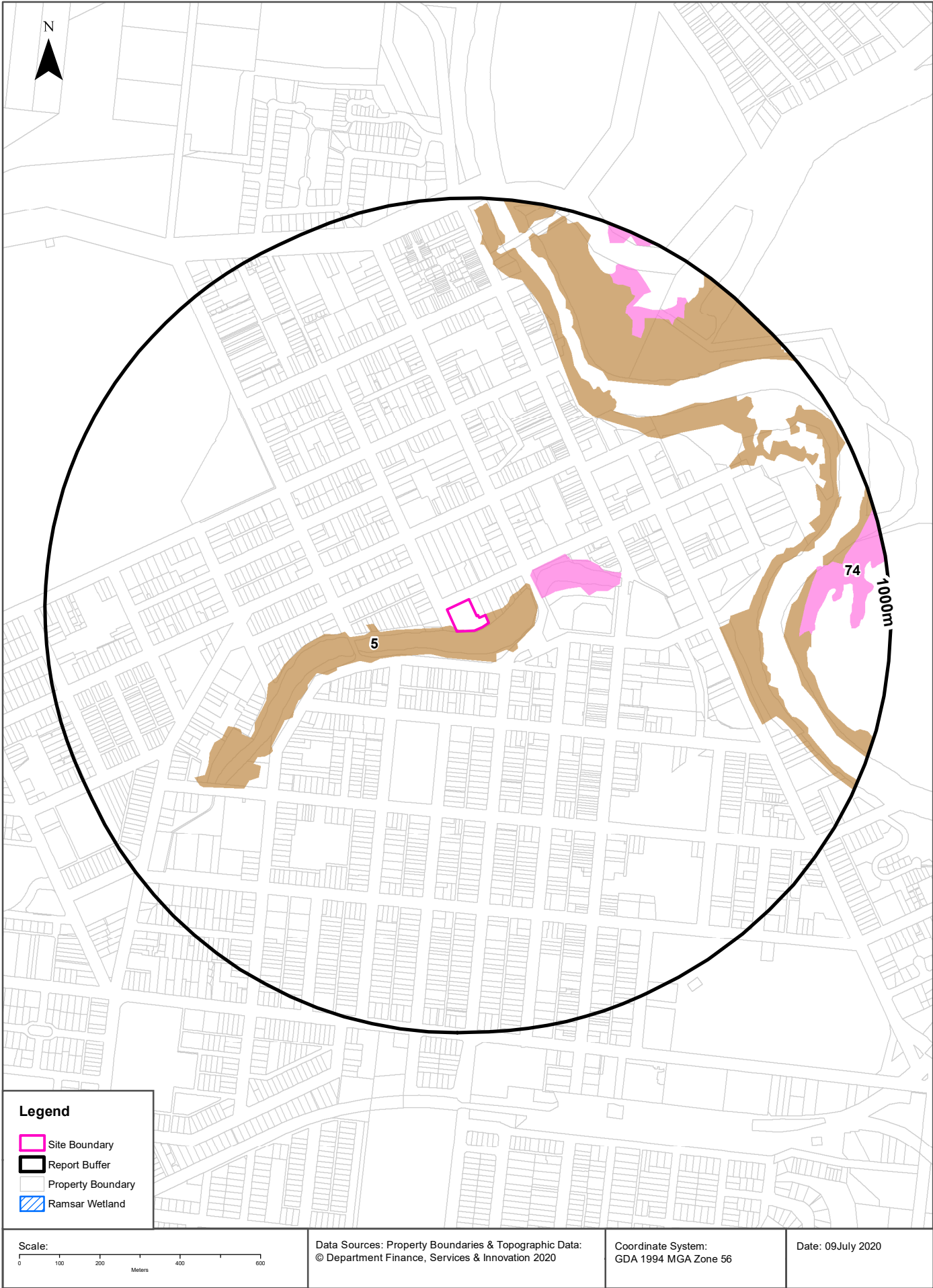
What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

| Bush Fire Prone Land Category | Distance | Direction |
|-------------------------------|----------|------------|
| Vegetation Buffer | 570m | North |
| Vegetation Category 1 | 670m | North East |

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

Ecological Constraints - Vegetation & Ramsar Wetlands

1 Simmons Street, Wagga Wagga, NSW 2650



Ecological Constraints

1 Simmons Street, Wagga Wagga, NSW 2650

Vegetation of Central-Southern NSW

What Vegetation of Central-Southern NSW exists within the dataset buffer?

| NSW VCA ID | NSW VCA Type | NSW VCA Threat Category | % VCA Type Cleared | Dominant Species | Keith Class | EPBC Act Name | EPBC Act Threat | Woody Cover | Distance | Direction |
|------------|--|-------------------------|--------------------|--|---------------------------------|---------------|-----------------|-------------|----------|------------|
| 5 | River Red Gum herbaceous-grassy very tall open forest on inner floodplains in the lower slopes subregion of the NSW SWS & Riverina Bioregion | Vulnerable | 40 | Eucalyptus camaldulensis | Inland Riverine Forests | | | 10 - 20% | 0m | Onsite |
| 74 | Yellow Box - River Red Gum tall grassy riverine woodland of NSW South West Slopes and Riverina Bioregions | Endangered | 75 | Eucalyptus camaldulensis, Eucalyptus melliodora | Floodplain Transition Woodlands | | | 10 - 20% | 142m | East |
| 5 | River Red Gum herbaceous-grassy very tall open forest on inner floodplains in the lower slopes subregion of the NSW SWS & Riverina Bioregion | Vulnerable | 40 | Eucalyptus camaldulensis | Inland Riverine Forests | | | 20 - 50% | 551m | North East |
| 5 | River Red Gum herbaceous-grassy very tall open forest on inner floodplains in the lower slopes subregion of the NSW SWS & Riverina Bioregion | Vulnerable | 40 | Eucalyptus camaldulensis | Inland Riverine Forests | | | 50 - 80% | 555m | North |
| 5 | River Red Gum herbaceous-grassy very tall open forest on inner floodplains in the lower slopes subregion of the NSW SWS & Riverina Bioregion | Vulnerable | 40 | Eucalyptus camaldulensis, Casuarina cunninghamiana | Inland Riverine Forests | | | 50 - 80% | 645m | North East |
| 74 | Yellow Box - River Red Gum tall grassy riverine woodland of NSW South West Slopes and Riverina Bioregions | Endangered | 75 | Eucalyptus melliodora, Eucalyptus camaldulensis | Floodplain Transition Woodlands | | | 10 - 20% | 771m | North East |

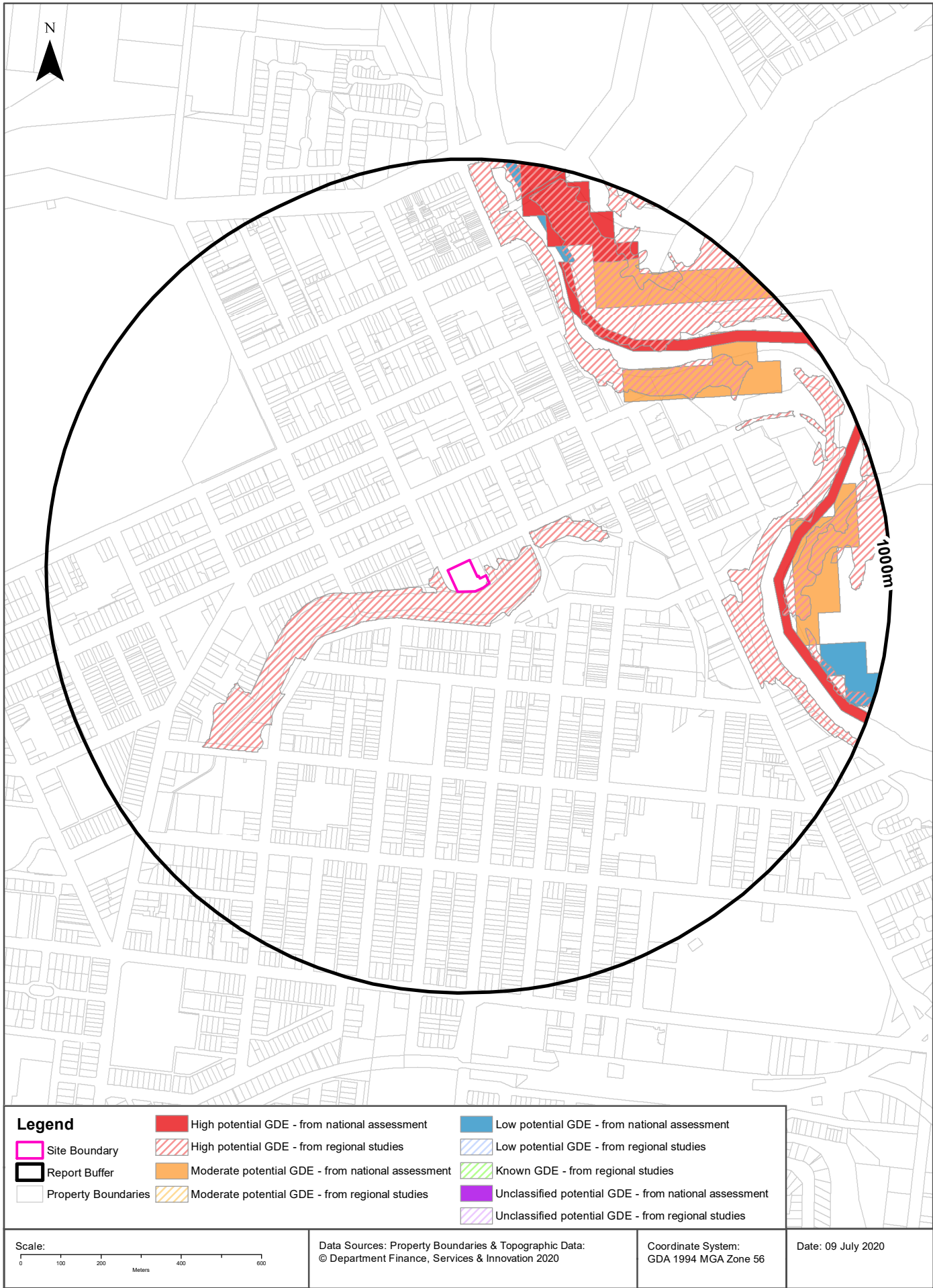
Vegetation of Central-Southern NSW Data Source: NSW Office of Environment and Heritage
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Ramsar Wetlands

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

1 Simmons Street, Wagga Wagga, NSW 2650

Groundwater Dependent Ecosystems Atlas

| Type | GDE Potential | Geomorphology | Ecosystem Type | Aquifer Geology | Distance |
|-------------|---|--|----------------|----------------------------|----------|
| Terrestrial | High potential GDE - from regional studies | Ridges and minor tablelands stepping down westwards and breaking into detached hills with intervening alluvial valley floors. Some strong structural control on landforms. | Vegetation | | 0m |
| Aquatic | Moderate potential GDE - from national assessment | Ridges and minor tablelands stepping down westwards and breaking into detached hills with intervening alluvial valley floors. Some strong structural control on landforms. | Wetland | Unconsolidated sedimentary | 549m |
| Aquatic | High potential GDE - from national assessment | Ridges and minor tablelands stepping down westwards and breaking into detached hills with intervening alluvial valley floors. Some strong structural control on landforms. | River | | 639m |
| Aquatic | Low potential GDE - from national assessment | Ridges and minor tablelands stepping down westwards and breaking into detached hills with intervening alluvial valley floors. Some strong structural control on landforms. | River | | 778m |

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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Ecological Constraints - Inflow Dependent Ecosystems Likelihood

1 Simmons Street, Wagga Wagga, NSW 2650



Ecological Constraints

1 Simmons Street, Wagga Wagga, NSW 2650

Inflow Dependent Ecosystems Likelihood

| Type | IDE Likelihood | Geomorphology | Ecosystem Type | Aquifer Geology | Distance |
|-------------|----------------|--|----------------|----------------------------|----------|
| Terrestrial | 10 | Ridges and minor tablelands stepping down westwards and breaking into detached hills with intervening alluvial valley floors. Some strong structural control on landforms. | Vegetation | | 0m |
| Aquatic | 10 | Ridges and minor tablelands stepping down westwards and breaking into detached hills with intervening alluvial valley floors. Some strong structural control on landforms. | Wetland | Unconsolidated sedimentary | 549m |
| Terrestrial | 9 | Ridges and minor tablelands stepping down westwards and breaking into detached hills with intervening alluvial valley floors. Some strong structural control on landforms. | Vegetation | | 576m |
| Aquatic | 6 | Ridges and minor tablelands stepping down westwards and breaking into detached hills with intervening alluvial valley floors. Some strong structural control on landforms. | River | | 639m |

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology
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Ecological Constraints

1 Simmons Street, Wagga Wagga, NSW 2650

NSW BioNet Atlas

Species on the NSW BioNet Atlas that have a NSW or federal conservation status, a NSW sensitivity status, or are listed under a migratory species agreement, and are within 10km of the site?

| Kingdom | Class | Scientific | Common | NSW Conservation Status | NSW Sensitivity Class | Federal Conservation Status | Migratory Species Agreements |
|----------|----------|---------------------------------|---|-------------------------|-----------------------|-----------------------------|------------------------------|
| Animalia | Amphibia | Heleioporus australiacus | Giant Burrowing Frog | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Aves | Anseranas semipalmata | Magpie Goose | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Anthochaera phrygia | Regent Honeyeater | Critically Endangered | Not Sensitive | Critically Endangered | |
| Animalia | Aves | Apus pacificus | Fork-tailed Swift | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Artamus cyanopterus cyanopterus | Dusky Woodswallow | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Burhinus grallarius | Bush Stone-curlew | Endangered | Not Sensitive | Not Listed | |
| Animalia | Aves | Calidris acuminata | Sharp-tailed Sandpiper | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calidris ferruginea | Curlew Sandpiper | Endangered | Not Sensitive | Critically Endangered | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Calidris ruficollis | Red-necked Stint | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Callocephalon fimbriatum | Gang-gang Cockatoo | Vulnerable | Category 3 | Not Listed | |
| Animalia | Aves | Calyptorhynchus lathami | Glossy Black-Cockatoo | Vulnerable | Category 2 | Not Listed | |
| Animalia | Aves | Chthonicola sagittata | Speckled Warbler | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Circus assimilis | Spotted Harrier | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Climacteris picumnus victoriae | Brown Treecreeper (eastern subspecies) | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Daphoenositta chrysoptera | Varied Sittella | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Epthianura albiglans | White-fronted Chat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Falco subniger | Black Falcon | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Gallinago hardwickii | Latham's Snipe | Not Listed | Not Sensitive | Not Listed | ROKAMBA;JAMBA |
| Animalia | Aves | Glossopsitta pusilla | Little Lorikeet | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Hieraaetus morphnoides | Little Eagle | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Hirundapus caudacutus | White-throated Needletail | Not Listed | Not Sensitive | Vulnerable | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Lathamus discolor | Swift Parrot | Endangered | Category 3 | Critically Endangered | |
| Animalia | Aves | Lophochroa leadbeateri | Major Mitchell's Cockatoo | Vulnerable | Category 2 | Not Listed | |
| Animalia | Aves | Melanodryas cucullata cucullata | Hooded Robin (south-eastern form) | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Melithreptus gularis gularis | Black-chinned Honeyeater (eastern subspecies) | Vulnerable | Not Sensitive | Not Listed | |

| Kingdom | Class | Scientific | Common | NSW Conservation Status | NSW Sensitivity Class | Federal Conservation Status | Migratory Species Agreements |
|----------|----------|---------------------------------------|---|-----------------------------------|-----------------------|-----------------------------|------------------------------|
| Animalia | Aves | Neophema pulchella | Turquoise Parrot | Vulnerable | Category 3 | Not Listed | |
| Animalia | Aves | Ninox connivens | Barking Owl | Vulnerable | Category 3 | Not Listed | |
| Animalia | Aves | Pachycephala inornata | Gilbert's Whistler | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Petroica boodang | Scarlet Robin | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Petroica phoenicea | Flame Robin | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Polytelis swainsonii | Superb Parrot | Vulnerable | Category 3 | Vulnerable | |
| Animalia | Aves | Pomatostomus temporalis temporalis | Grey-crowned Babbler (eastern subspecies) | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Stagonopleura guttata | Diamond Firetail | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Stictonetta naevosa | Freckled Duck | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Thinornis rubricollis | Hooded Plover | Critically Endangered | Not Sensitive | Vulnerable | |
| Animalia | Aves | Todiramphus chloris | Collared Kingfisher | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Aves | Tringa nebularia | Common Greenshank | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Aves | Tringa stagnatilis | Marsh Sandpiper | Not Listed | Not Sensitive | Not Listed | ROKAMBA;CAMBA; JAMBA |
| Animalia | Mammalia | Dasyurus maculatus | Spotted-tailed Quoll | Vulnerable | Not Sensitive | Endangered | |
| Animalia | Mammalia | Macrotis lagotis | Bilby | Presumed Extinct | Not Sensitive | Vulnerable | |
| Animalia | Mammalia | Miniopterus orianae oceanensis | Large Bent-winged Bat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Myotis macropus | Southern Myotis | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Petaurus norfolcensis | Squirrel Glider | Endangered Population, Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Petrogale penicillata | Brush-tailed Rock-wallaby | Endangered | Not Sensitive | Vulnerable | |
| Animalia | Mammalia | Phascolarctos cinereus | Koala | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Mammalia | Pteropus poliocephalus | Grey-headed Flying-fox | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Mammalia | Saccolaimus flaviventris | Yellow-bellied Sheath-tail-bat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Scoteanax rueppellii | Greater Broad-nosed Bat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Mammalia | Vespadelus baverstocki | Inland Forest Bat | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Reptilia | Antaresia stimsoni | Stimson's Python | Vulnerable | Not Sensitive | Not Listed | |
| Animalia | Reptilia | Caretta caretta | Loggerhead Turtle | Endangered | Not Sensitive | Endangered | |
| Animalia | Reptilia | Chelonia mydas | Green Turtle | Vulnerable | Not Sensitive | Vulnerable | |
| Animalia | Reptilia | Tiliqua occipitalis | Western Blue-tongued Lizard | Vulnerable | Not Sensitive | Not Listed | |
| Plantae | Flora | Brachyscome muelleroides | Claypan Daisy | Vulnerable | Not Sensitive | Vulnerable | |
| Plantae | Flora | Eucalyptus leucoxylon subsp. pruinosa | Yellow Gum | Vulnerable | Not Sensitive | Not Listed | |
| Plantae | Flora | Eucalyptus nicholii | Narrow-leaved Black Peppermint | Vulnerable | Not Sensitive | Vulnerable | |
| Plantae | Flora | Senecio garlandii | Woolly Ragwort | Vulnerable | Not Sensitive | Not Listed | |
| Plantae | Flora | Swainsona recta | Small Purple-pea | Endangered | Not Sensitive | Endangered | |

Data does not include NSW category 1 sensitive species.

NSW BioNet: © State of NSW and Office of Environment and Heritage

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 |
|--------------------------------|---|
| Premise match | Georeferenced to the site location / premise or part of site |
| General area or suburb match | Georeferenced with the confidence of the general/approximate area |
| Road match | Georeferenced to the road or rail |
| Road intersection | Georeferenced to the road intersection |
| Feature is a buffered point | Feature is a buffered point |
| Land adjacent to geocoded site | Land adjacent to Georeferenced Site |
| Network of features | Georeferenced to a network of features |

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 - (i) the Report should not be used or taken to indicate or exclude actual fitness or unfitness of Land or Property for any particular purpose
 - (j) 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
 - (k) the End User should undertake its own inspections of the Land or 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.
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4. The End User hereby to the maximum extent permitted by law:
 - (a) acknowledges that the Lotsearch (nor any of its officers, employees or agents), nor any

- of its Third Party Content Supplier have any liability to it under or in connection with the Report or these Terms;
- (b) waives any right it may have to claim against Third Party Content Supplier in connection with the Report, or the negotiation of, entry into, performance of, or termination of these Terms; and
 - (c) releases each Third Party Content Supplier from any claim it may have otherwise had in connection with the Report, or the negotiation of, entry into, performance of, or termination of these Terms.
5. The End User acknowledges that any Third Party Supplier shall be entitled to plead the benefits conferred on it under clause 4, despite not being a party to these terms.
 6. 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.
 7. 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.
 8. To the extent permitted by law and subject to paragraph 9, 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.
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 11. Subject to paragraph 9, neither Lotsearch nor the End User is liable to the other for:
 - (a) any indirect, incidental, consequential, special or exemplary damages arising out of or in relation to the Report or these Terms; or
 - (b) any loss of profit, loss of revenue, loss of interest, loss of data, loss of goodwill or loss of business opportunities, business interruption arising directly or indirectly out of or in relation to the Report or these Terms,irrespective of how that liability arises including in contract or tort, liability under indemnity or for any other common law, equitable or statutory cause of action or otherwise.
 12. These Terms are subject to New South Wales law.

Annex C

Land Title Search Records

ADVANCE LEGAL SEARCHERS PTY LTD

(ACN 147 943 842)
ABN 82 147 943 842

18/36 Osborne Road,
Manly NSW 2095

Telephone: +612 9977 6713
Mobile: 0412 169 809
Email: search@alsearchers.com.au

09th July, 2020

GROUND DOCTOR PTY LTD
22 Tamworth Street,
PO Box 6278
DUBBO. NSW 2830

Attention: James Morrow,

RE: **1 Simmons Street,**
Wagga Wagga

Current Search

Folio Identifier 1/775220 (title attached)
DP 775220 (plan attached)
Dated 07th July, 2020
Registered Proprietor:
GOVERNMENT PROPERTY NSW

Title Tree Lot 1 DP 775220

Folio Identifier 1/775220

See Notes (a) & (b)

(a)

PA 60699

See Notes (ai), (aii) & (aiii)

(b)

CTVol 6511 Folio 38

PA 36539

Government Gazette
2nd May 1947 Folio 1004

Conveyance Book 1998 No 237

Conveyance Book 1308 No 63

(ai)

Conveyance Book 3165 No 631

Conveyance Book 1905 No 227

Conveyance Book 1406 No 197

(aii)

Conveyance Book 2734 No 646

Conveyance Book 2716 No 573

Conveyance Book 2299 No 716

Conveyance Book 1859 No 478

Conveyance Book 1493 No 546

Conveyance Book 1331 No 289

**Summary of proprietor(s)
Lot 1 DP 775220**

| Year | Proprietor(s) |
|---------------|---|
| | (Lot 1 DP 775220) |
| 2013 – todate | Government Property NSW <i>(formerly State Property Authority)</i> |
| 2008 – 2013 | State Property Authority |
| 1988 – 2008 | The Commissioner for Main Roads |

See Notes (a) & (b)

Note (a)

| | |
|-------------|---|
| | (Part Allotments 4 & 5 Section 28 Town Wagga Wagga – PA 60699) |
| 1988 – 1988 | The Commissioner for Main Roads |

See Notes (ai) & (a ii)

Note (ai)

| | |
|-------------|--|
| | (Part Allotment 5 Section 28 Town Wagga Wagga – Conv Bk 3165 No 631) |
| 1974 – 1988 | The Commissioner for Main Roads |
| 1973 – 1974 | Lottie Le Lievre, widow / executrix Stanley Victor Le Lievre, retired bank officer / executive Earle Stanley Le Lievre, estate |
| | (Part Allotment 5 Section 28 Town Wagga Wagga – Conv Bk 1905 No 227) |
| 1941 – 1973 | Earle Stanley Le Lievre, grazier |
| | (Part Allotment 5 Section 28 Town Wagga Wagga – Area 28 ¼ Perches – Conv Bk 1406 No 197) |
| 1925 – 1941 | Hilda Susan Hancock, widow |

Note (aii)

| | |
|-------------|--|
| | (Part Allotment 4 & 5 Section 28 Town Wagga Wagga – Area 28 $\frac{3}{4}$ Perches – Conv Bk 2734 No 646) |
| 1964 – 1988 | The Commissioner for Main Roads |
| | (Part Allotment 4 & 5 Section 28 Town Wagga Wagga – Area 28 $\frac{3}{4}$ Perches – Ackn Bk 2716 No 573) |
| 1963 – 1964 | Minnie Margaret Karofilis, widow |
| 1963 – 1963 | Minnie Margaret Karofilis, widow / executrix Anthony Emmanuel Karofilis, estate |
| | (Part Allotment 4 & 5 Section 28 Town Wagga Wagga – Conv Bk 2299 No 716) |
| 1954 – 1963 | Anthony Emmanuel Karofilis, café proprietor |
| | (Part Allotments 4 & 5 Section 28 Town Wagga Wagga – Conv Bk 1859 No 478) |
| 1939 – 1954 | Esther Schulz, wife of Herbert Otto Schulz, postal official |
| 1932 – 1939 | Claude Arnold Monks, traveler /executor Cuthbert Aubrey Monks, radio representative / executor Joseph Monks, estate |
| | (Part Allotments 4 & 5 Section 28 Town Wagga Wagga – Conv Bk 1493 No 546) |
| 1927 – 1932 | Joseph Monks, farmer / grazier |
| | (Part Allotments 4 & 5 Section 28 Town Wagga Wagga – Conv Bk 1331 No 289) |
| 1923 – 1927 | William Powell, retired farmer |

Note (b)

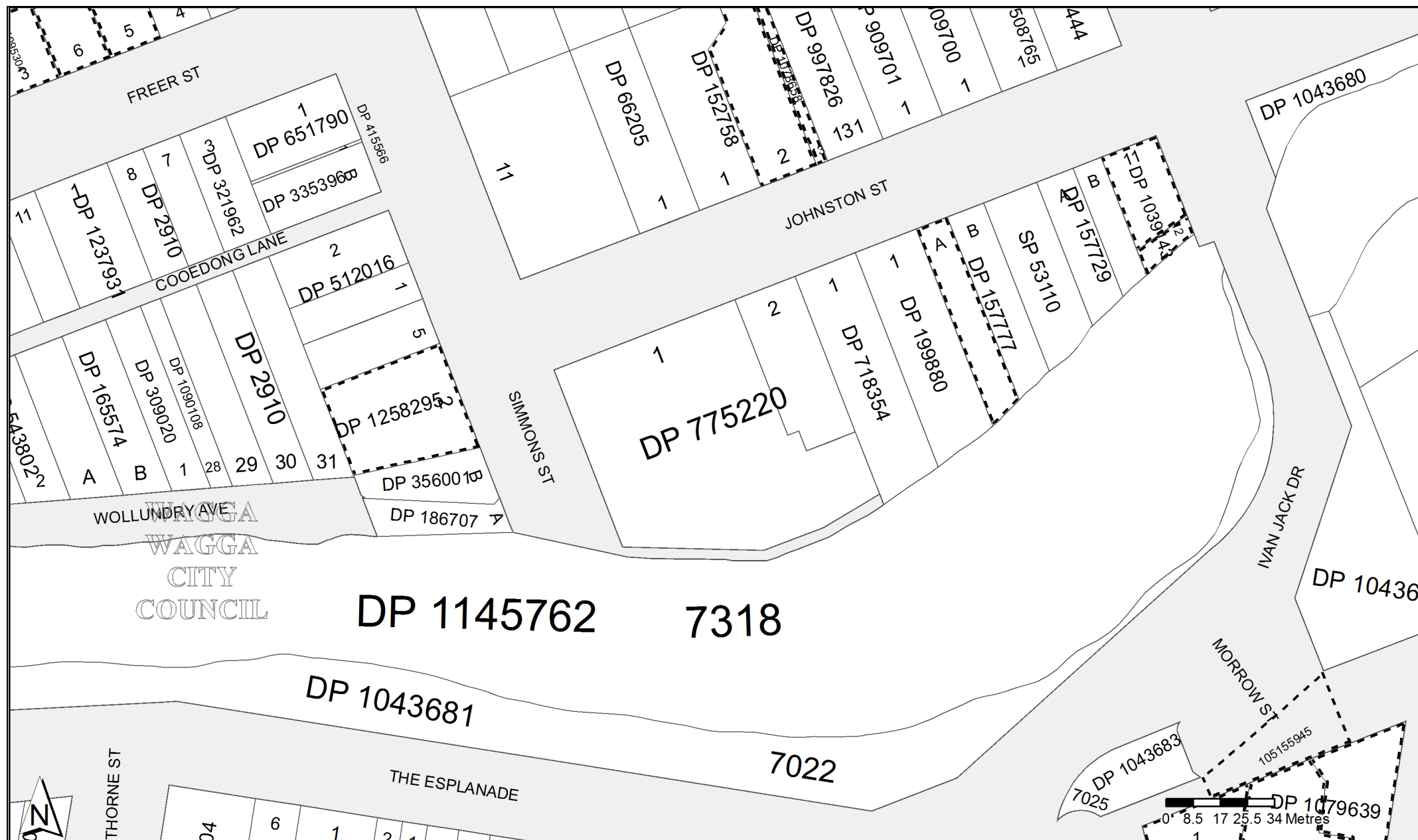
| | |
|-------------|--|
| | (Part Allotments 4 & 5 Section 35 Town Wagga Wagga – Area 2 Roods 12 ¾ Perches – CTVol 6511 Fol 38) |
| 1952 – 1988 | The Commissioner for Main Roads |
| | (Part Allotments 4 & 5 Section 35 Town Wagga Wagga – Area 2 Roods 12 ¾ Perches – Government Gazette 2nd May 1947 Fol 1004) 38) |
| 1947 – 1952 | The Commissioner for Main Roads <i>(Appropriated under Public Works Act 1912 for the purposes of Main Roads Act 1924-1945)</i> |
| | (Part Allotments 4 & 5 Section 35 Town Wagga Wagga – Area 2 Roods 12 ¾ Perches – Conv Bk 1998 No 237) |
| 1946 – 1947 | The Commissioner for Main Roads |
| | (Part Allotments 4 & 5 Section 35 Town Wagga Wagga – Area 2 Roods 12 ¾ Perches – Conv Bk 1998 No 237) |
| 1923 – 1946 | Stephen Hertford Weedon, medical practitioner Walter Wallace Martin, medical practitioner |

Locality : WAGGA WAGGA

Parish : SOUTH WAGGA WAGGA

LGA : WAGGA WAGGA

County : WYNYARD



| | Status | Surv/Comp | Purpose |
|--|------------|-------------|--------------|
| DP32598 | | | |
| Lot(s): 6 | | | |
|  DP1149889 | REGISTERED | SURVEY | EASEMENT |
| Lot(s): 5 | | | |
|  CA91036 - LOTS 5 AND 8 DP35298 | | | |
| DP152758 | | | |
| Lot(s): 2 | | | |
|  CA91144 - LOT 2 DP152758 AND LOT 13 DP1078658 | | | |
| DP157777 | | | |
| Lot(s): A | | | |
|  CA91101 - LOT A DP157777 | | | |
| DP1039143 | | | |
| Lot(s): 11, 12 | | | |
|  DP88958 | HISTORICAL | SURVEY | UNRESEARCHED |
| DP1078658 | | | |
| Lot(s): 13 | | | |
|  CA91144 - LOT 2 DP152758 AND LOT 13 DP1078658 | | | |
| DP1079639 | | | |
| Lot(s): 1, 2, 3 | | | |
|  NSW GAZ. 19-11-2004 Folio : 8525 REVOCATION OF DEDICATION OF CROWN LAND (RESERVE NO. 1000450) | | | |
| Lot(s): 1 | | | |
|  NSW GAZ. 26-10-2007 Folio : 8175 ACQUIRED FOR THE PURPOSES OF THE ELECTRICITY SUPPLY ACT, 1995 LOT 1 DP1079639 | | | |
| DP1095304 | | | |
| Lot(s): 3 | | | |
|  CA98567 - LOT 3 DP1095304 | | | |
| DP1258295 | | | |
| Lot(s): 2 | | | |
|  DP356001 | HISTORICAL | SURVEY | UNRESEARCHED |
|  DP1070334 | HISTORICAL | COMPILATION | DEPARTMENTAL |
| Road | | | |
| Polygon Id(s): 105155945 | | | |
|  NSW GAZ. 19-11-2004 Folio : 8525 REVOCATION OF DEDICATION OF CROWN LAND (RESERVE NO. 1000450) | | | |
| Polygon Id(s): 105136861, 107153810 | | | |
|  NSW GAZ. 08-06-2018 Folio : 3676 TRANSFER OF CROWN ROAD TO COUNCIL AFFECTING THE LAND SHADED RED IN THE DIAGRAM ACCOMPANYING THIS GAZETTE NOTIFICATION | | | |

Caution: This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL** **ACTIVITY PRIOR TO SEPTEMBER 2002** you must refer to the RGs Charting and Reference Maps.

| Plan | Surv/Comp | Purpose |
|-----------|-------------|---------------------------|
| DP2910 | COMPILATION | UNRESEARCHED |
| DP10005 | SURVEY | UNRESEARCHED |
| DP32598 | SURVEY | UNRESEARCHED |
| DP66205 | SURVEY | UNRESEARCHED |
| DP81313 | SURVEY | UNRESEARCHED |
| DP152758 | SURVEY | UNRESEARCHED |
| DP157729 | SURVEY | UNRESEARCHED |
| DP157777 | SURVEY | UNRESEARCHED |
| DP165574 | COMPILATION | UNRESEARCHED |
| DP186707 | COMPILATION | UNRESEARCHED |
| DP199880 | COMPILATION | DEPARTMENTAL |
| DP226856 | SURVEY | SUBDIVISION |
| DP309020 | SURVEY | UNRESEARCHED |
| DP313869 | SURVEY | UNRESEARCHED |
| DP321962 | SURVEY | UNRESEARCHED |
| DP335396 | SURVEY | UNRESEARCHED |
| DP356001 | SURVEY | UNRESEARCHED |
| DP373851 | SURVEY | UNRESEARCHED |
| DP415566 | COMPILATION | UNRESEARCHED |
| DP449204 | COMPILATION | UNRESEARCHED |
| DP508765 | COMPILATION | SUBDIVISION |
| DP512016 | SURVEY | SUBDIVISION |
| DP543802 | COMPILATION | SUBDIVISION |
| DP651790 | COMPILATION | DEPARTMENTAL |
| DP660607 | COMPILATION | DEPARTMENTAL |
| DP718354 | COMPILATION | DEPARTMENTAL |
| DP736504 | SURVEY | SUBDIVISION |
| DP759031 | COMPILATION | CROWN ADMIN NO. |
| DP775220 | SURVEY | RESUMPTION OR ACQUISITION |
| DP909700 | COMPILATION | UNRESEARCHED |
| DP909701 | COMPILATION | UNRESEARCHED |
| DP936727 | SURVEY | UNRESEARCHED |
| DP997826 | COMPILATION | DEPARTMENTAL |
| DP1039143 | SURVEY | SUBDIVISION |
| DP1043680 | COMPILATION | DEPARTMENTAL |
| DP1043681 | COMPILATION | DEPARTMENTAL |
| DP1043682 | COMPILATION | DEPARTMENTAL |
| DP1043683 | COMPILATION | DEPARTMENTAL |
| DP1043684 | COMPILATION | DEPARTMENTAL |
| DP1078658 | COMPILATION | LIMITED FOLIO CREATION |
| DP1079639 | SURVEY | SUBDIVISION |
| DP1090108 | COMPILATION | DEPARTMENTAL |
| DP1095304 | COMPILATION | LIMITED FOLIO CREATION |
| DP1145762 | COMPILATION | CROWN LAND CONVERSION |
| DP1237931 | COMPILATION | CONSOLIDATION |
| DP1258295 | COMPILATION | CONSOLIDATION |
| SP1444 | COMPILATION | STRATA PLAN |
| SP53110 | COMPILATION | STRATA PLAN |

Caution: This information is provided as a searching aid only. Whilst every endeavour is made to ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL**

ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

**APPLICATION TO RECORD
NEW REGISTERED PROPRIETOR**



New South Wales
Section 46C Real Property Act 1900
Section 12(4) Trustee Act 1925

AE242520T

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar General to collect the information required by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

STAMP DUTY

| | |
|----------------------------------|---|
| Office of State Revenue use only | CROWN INSTRUMENT NOT LIABLE TO STAMP DUTY. STATE PROPERTY AUTHORITY |
| PER: <i>RB</i> | |

(A) **LAND**

| |
|------------------|
| Torrens Title |
| SEE ANNEXURE 'A' |

(B) **REGISTERED DEALING**

| | |
|--------|---------------|
| Number | Torrens Title |
|--------|---------------|

(C) **LODGED BY**

EXTRA FEE
\$184.-

| | | |
|-------------------------|---|------|
| Document Collection Box | Name, Address or DX, Telephone, and LLPN if any | CODE |
| 707D | STATE PROPERTY AUTHORITY, LEVEL 5, BLIGH HOUSE, 4-6 BLIGH STREET, SYDNEY, NSW, 2000 | AP |
| Reference: | 24199 CONV881 | |

(D) **APPLICANT**

| |
|--------------------------|
| STATE PROPERTY AUTHORITY |
|--------------------------|

(E) **PRESENT REG'D PROPRIETOR**

| |
|--------------------------|
| VARIOUS SEE ANNEXURE 'A' |
|--------------------------|

(F) **NEW REG'D PROPRIETOR**

| |
|--------------------------|
| STATE PROPERTY AUTHORITY |
|--------------------------|

(G) **APPLICATION UNDER SECTION 46C REAL PROPERTY ACT 1900**

In regard to the above land, the applicant requests the Registrar General to record the new registered proprietor on the relevant folio of the Register, the land having vested in the new registered proprietor pursuant to—

(H) State Property Authority Order (No2) 2008 Gov. Gaz. No72, 20 June 2008 p1-4 true copies of which are attached at Annex. 'B'

(G) **APPLICATION UNDER SECTION 12(4) TRUSTEE ACT 1925**

NOT APPLICABLE

In regard to the above ~~CLICK & PICK~~, the applicant requests the Registrar General to record the new registered registered proprietor on the folio of the Register consequent on—

(I)

DATE 23 SEPTEMBER 2008

(J) I certify that the person(s) signing opposite, with whom I am personally acquainted or as to whose identity I am otherwise satisfied, signed this instrument in my presence.

Certified correct for the purposes of the Real Property Act 1900 by the authorised officer named below.

Signature of witness:

RB

Signature of authorised officer:

Name of witness:

ROBERT BRADIE

Authorised officer's name:

K Ridge

Address of witness:

4-6 BLIGH ST.
SYDNEY

Authority of officer:

A/GM D. A. and D.

Signing on behalf of:

State Property Auth.

REG'D APPROVED BY LEG 30. 9/12/08

CT SIGHTED
CANC. & RET. 100715

Annexure A to APPLICATION TO RECORD NEW REGISTERED PROPRIETOR

Parties:

Various to State Property Authority

Dated

Real Property Land affected

| Title Reference | Whole or Part | Present registered Proprietor | Location |
|-----------------------|---------------------|---|------------|
| FI 3/SP37110 | Lot 3 SP37110 | MINISTER FOR FISHERIES ✓ | ALBURY |
| CT Vol 576 Fol 184 | Lot 3 Sec 2 DP54283 | THE COMMISSIONER FOR MAIN ROADS ✓ | BEGA |
| ✓ AC Vol 6213 Fol 86 | Lot 32 Sec G DP2161 | MINISTER FOR JUSTICE | BLACKTOWN |
| ✓ AC Vol 6213 Fol 86 | Lot 33 Sec G DP2161 | MINISTER FOR JUSTICE | BLACKTOWN |
| ✓ AC Vol 6213 Fol 86 | Lot 34 Sec G DP2161 | MINISTER FOR JUSTICE ✓ | BLACKTOWN |
| ✓ AC Vol 6213 Fol 86 | Lot 35 Sec G DP2161 | MINISTER FOR JUSTICE | BLACKTOWN |
| ✓ FI 15/260805 | Lot 15 DP260805 | MINISTER FOR AGRICULTURE ✓ | FINLEY |
| ✓ FI 1/1067118 | Lot 1 DP1067118 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | GLEN INNES |
| ✓ FI 2/1067118 | Lot 2 DP1067118 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | GLEN INNES |
| ✓ FI 3/1067118 | Lot 3 DP1067118 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | GLEN INNES |
| ✓ FI 4/1067118 | Lot 4 DP1067118 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | GLEN INNES |
| ✓ FI 1/1067120 | Lot 1 DP1067120 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | GLEN INNES |
| ✓ FI 2/1067120 | Lot 2 DP1067120 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | GLEN INNES |
| ✓ CT Vol 6314 Fol 248 | Lot Y DP87197 | THE COMMISSIONER FOR MAIN ROADS ✓ | GOULBURN |
| ✓ FI A/155441 | Lot A DP155441 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | GOULBURN |
| ✓ FI E/162173 | Lot E DP162173 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | GOULBURN |
| ✓ FI F/162173 | Lot F DP162173 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | GOULBURN |
| ✓ CT Vol 9432 Fol 13 | Lot 1 DP503012 | THE COMMISSIONER FOR MAIN ROADS ✓ | GOULBURN |
| ✓ CT Vol 9432 Fol 14 | Lot 2 DP503012 | THE COMMISSIONER FOR MAIN ROADS ✓ | GOULBURN |
| ✓ FI 21/556054 | Lot 21 DP556054 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | GRAFTON |
| ✓ FI B/334618 | Lot B DP334618 | HER MAJESTY QUEEN ELIZABETH II FOR THE DEPARTMENT OF JUVENILE JUSTICE ✓ | ISLINGTON |

9 WHOLE AC 6213 - 36

Annexure **A** to APPLICATION TO RECORD NEW REGISTERED PROPRIETOR

Parties:

Various to State Property Authority

Dated

Real Property Land affected

| Title Reference | Whole or Part | Present registered Proprietor | Location |
|------------------------|-------------------------------|---|-------------|
| ✓ FI 1/73763 | Lot 1 DP73763 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II ✓ | KEMPSEY |
| ✗ { AC Vol 4747 Fol 79 | Lot 13 DP13536 | MINISTER FOR JUSTICE ✓ | LIVERPOOL |
| ✗ { AC Vol 4747 Fol 79 | Lot 14 DP13536 | MINISTER FOR JUSTICE ✓ | LIVERPOOL |
| ✗ CT Vol 2741 Fol 199 | Lot 1 DP900505 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (OFFICE OF JUVENILE JUSTICE) ✓ | MOREE |
| ✗ CT Vol 14658 Fol 51 | Lot 1 DP616459 | THE COMMISSIONER FOR MAIN ROADS ✓ | COOKS HILL |
| ✗ FI 53/151167 | Lot 53 DP151167 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | COOKS HILL |
| ✗ FI 27/150134 | Lot 27 DP150134 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | COOKS HILL |
| ✗ FI 44/150066 | Lot 44 DP150066 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | COOKS HILL |
| ✓ FI 63/1109172 | Lot 63 DP1109172 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | NEWCASTLE |
| ✓ FI 64/1109172 | Lot 64 DP1109172 | ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES ✓ | NEWCASTLE |
| ✗ CT Vol 11137 Fol 250 | Lot 4 Section 12 in DP758827 | THE COMMISSIONER FOR MAIN ROADS ✓ | PARKES |
| ✗ CT Vol 11137 Fol 248 | Lot 5 Section 12 in DP758827 | THE COMMISSIONER FOR MAIN ROADS ✓ | PARKES |
| ✗ CT Vol 11137 Fol 249 | Lot 4A Section 12 in DP758827 | THE COMMISSIONER FOR MAIN ROADS ✓ | PARKES |
| ✗ FI 1/775220 | Lot 1 DP775220 | THE COMMISSIONER FOR MAIN ROADS ✓ | WAGGA WAGGA |
| ✗ FI 19/816808 | Lot 19 DP816808 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (STATE EMERGENCY SERVICE) ✓ | BATHURST |
| ✓ FI 13/5/2659 | Lot 13 Sec 5 DP2659 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (STATE EMERGENCY SERVICE) ✓ | COBAR |
| ✓ FI 14/5/2659 | Lot 14 Sec 5 DP2659 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (STATE EMERGENCY SERVICE) ✓ | COBAR |
| ✗ FI 10/858986 | Lot 10 DP858986 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (STATE EMERGENCY SERVICE) ✓ | CONISTON |

* WHOLE OF AC 4747-79

Annexure **A** to APPLICATION TO RECORD NEW REGISTERED PROPRIETOR

Parties:

Various to State Property Authority

Dated

Real Property Land affected

| Title Reference | Whole or Part | Present registered Proprietor | Location |
|----------------------|-------------------------------|---|------------------|
| X CT Vol 4594 Fol 34 | Lot 10 Section 43 DP758361 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH THE SECOND ON BEHALF OF THE MINISTER FOR POLICE AND EMERGENCY SERVICES ✓ | DUBBO |
| X FI 4/810210 | Lot 4 DP810210 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II ✓ | GUNNEDAH |
| X FI 100/880488 | Lot 100 DP880488 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (STATE EMERGENCY SERVICE) ✓ | LAVINGTON |
| X FI 433/45626 | Lot 433 DP45626 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (ON BEHALF OF THE STATE EMERGENCY SERVICE) ✓ | METFORD |
| X FI 431/48728 | Lot 431 DP48728 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (ON BEHALF OF THE STATE EMERGENCY SERVICE) ✓ | METFORD |
| X FI 438/705500 | Lot 438 DP705500 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (ON BEHALF OF THE STATE EMERGENCY SERVICE) ✓ | METFORD |
| X FI 423/873012 | Lot 423 DP873012 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH THE SECOND ✓ | SOUTH GRAFTON |
| X FI 71/706143 | Lot 71 DP706143 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (STATE EMERGENCY SERVICE) ✓ | TAREE |
| X FI 10/815958 | Lot 10 DP815958 | HER MOST GRACIOUS MAJESTY QUEEN ELIZABETH II (STATE EMERGENCY SERVICE) ✓ | ASHMONT |

R. B. ...



New South Wales

State Property Authority Order (No 2) 2008

under the

State Property Authority Act 2006

MARIE BASHIR, Governor

I, Professor Marie Bashir AC, CVO, Governor of the State of New South Wales, with the advice of the Executive Council, and in pursuance of section 19 of the *State Property Authority Act 2006*, make the following Order.

Dated, this 18th day of June 2008.

By Her Excellency's Command,

JOHN WATKINS, M.P.,
Minister for Finance

Explanatory note

The object of this Order is to include certain property in Schedule 1 to the *State Property Authority Act 2006* which will have the effect of transferring the property to the State Property Authority.

This Order is made under section 19 of the *State Property Authority Act 2006*.

Clause 1 State Property Authority Order (No 2) 2008

State Property Authority Order (No 2) 2008

under the

State Property Authority Act 2006

1 Name of Order

This Order is the *State Property Authority Order (No 2) 2008*.

2 Commencement

This Order commences on 1 July 2008.

3 Amendment of State Property Authority Act 2006 No 40

The *State Property Authority Act 2006* is amended as set out in Schedule 1 to this Order.

State Property Authority Order (No 2) 2008

Amendment

Schedule 1

Schedule 1 Amendment

(Clause 3)

Schedule 1 Property transferred to Authority

Insert at the end of the matter appearing under the heading "Miscellaneous properties":

Lot 3 in Strata Plan 37110
Lot 3, Section 2 in Deposited Plan 54283
Lot 4, Section 2 in Deposited Plan 54283
Lot 5, Section 2 in Deposited Plan 54283
Lot 6, Section 2 in Deposited Plan 54283
Lot 12, Section 2 in Deposited Plan 54283
Lot 13, Section 2 in Deposited Plan 54283
Lot 14, Section 2 in Deposited Plan 54283
Lot 32, Section G in Deposited Plan 2161
Lot 33, Section G in Deposited Plan 2161
Lot 34, Section G in Deposited Plan 2161
Lot 35, Section G in Deposited Plan 2161
Lot 15 in Deposited Plan 260805
Lot 1 in Deposited Plan 1067118
Lot 2 in Deposited Plan 1067118
Lot 3 in Deposited Plan 1067118
Lot 4 in Deposited Plan 1067118
Lot 1 in Deposited Plan 1067120
Lot 2 in Deposited Plan 1067120
Lot Y in Deposited Plan 87197
Lot A in Deposited Plan 155441
Lot E in Deposited Plan 162173
Lot F in Deposited Plan 162173
Lot 1 in Deposited Plan 503012
Lot 2 in Deposited Plan 503012

Page 3

State Property Authority Order (No 2) 2008

Schedule 1 Amendment

Lot 21 in Deposited Plan 556054
Lot B in Deposited Plan 334618
Lot 1 in Deposited Plan 73763
Lot 13 in Deposited Plan 13536
Lot 14 in Deposited Plan 13536
Lot 1 in Deposited Plan 900505
Lot 1 in Deposited Plan 616459
Lot 53 in Deposited Plan 151167
Lot 27 in Deposited Plan 150134
Lot 44 in Deposited Plan 150066
Lot 63 in Deposited Plan 1109172
Lot 64 in Deposited Plan 1109172
Lot 4, Section 12 in Deposited Plan 758827
Lot 5, Section 12 in Deposited Plan 758827
Lot 4A, Section 12 in Deposited Plan 758827
Lot 1 in Deposited Plan 775220
Lot 19 in Deposited Plan 816808
Lot 13, Section 5 in Deposited Plan 2659
Lot 14, Section 5 in Deposited Plan 2659
Lot 10 in Deposited Plan 858986
Lot 10, Section 43 in Deposited Plan 758361
Lot 4 in Deposited Plan 810210
Lot 100 in Deposited Plan 880488
Lot 433 in Deposited Plan 45626
Lot 431 in Deposited Plan 48728
Lot 438 in Deposited Plan 705500
Lot 423 in Deposited Plan 873012
Lot 71 in Deposited Plan 706143
Lot 10 in Deposited Plan 815958

Form: 10CN
Release: 5-2**CHANGE OF NAME**New South Wales
Real Property Act 1900**AH543571W**

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the R by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

(A) TORRENS TITLE

See Annexure A

(B) REGISTERED DEALING

Number

Torrens Title

(C) LODGED BY

Document
Collection
Box

Name, Address or DX, Telephone, and Customer Account Number if any

CODE

707D

DEPT OF FINANCE & SERVICES,
RAWSON PLACE, SYDNEY
LLPN123519S**CN**

Reference: PM NAME CHANGE

(D) REGISTERED PROPRIETOR

Whose name is to be changed; show the name as it currently appears on the Torrens Title
State Property Authority

(E) NEW NAME

Of the above registered proprietor in full
Government Property NSW (ABN 91 840 597 406)

- (F) The registered proprietor of the above land _____ applies to have its new name recorded in the Register in respect of that _____ land _____ and hereby consents to the Registrar General contacting the relevant issuing authorities to validate any supporting evidence lodged with this application.

(G) STATUTORY DECLARATION BY THE APPLICANT*

1. Greg Stilianou, level 9, 4-6 Bligh Street, Sydney, NSW, A Manager, Legal Services, GPNSW,
solemnly and sincerely declare that—

1. ~~I am~~ State Property Authority is same as Government Property NSW

2. ~~on~~ _____ at _____ in the SELECT _____

3. ~~I married~~ on 12/12/2012 State property Authority changed its name to Government property NSW, when Pt 2.8, Sch 2, Environmental Planning & Assessment Amendmetn Act 2012 commenced

I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the Oaths Act 1900, and I certify this application to be correct for the purposes of the Real Property Act 1900.

Made and subscribed at Sydney in the State of New South Wales on 23 January 2013
in the presence of VERONICA LAM of 4-6 BLIGH ST, SYDNEY

☐ Justice of the Peace (J.P. Number: _____) ☒ Practising Solicitor

☐ Other qualified witness [specify] _____

** who certifies the following matters concerning the making of this statutory declaration by the person who made it:

1. I saw the face of the person ~~OR I did not see the face of the person because the person was wearing a face covering, but I am satisfied that the person had a special justification for not removing the covering; and~~
2. I have known the person for at least 12 months ~~OR I have not known the person for at least 12 months, but I have confirmed the person's identity using an identification document and the document I relied on was a~~ DRIVER'S LICENCE [Omit ID No.]

Signature of witness:

Signature of applicant:

* As the services of a qualified witness cannot be provided at lodgment, the declaration should be signed and witnessed prior to lodgment. ** If made outside NSW, cross out the witness certification. If made in NSW, cross out the text which does not apply.

(H) This section is to be completed where a notice of sale is required and the relevant data has been forwarded through eNOS.

The applicant _____ certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. 380061 Full name: WARREN THOMAS Signature:

Annexure: A to Change of Name**Parties:** Government Property NSW (formerly State Property Authority)**Dated:** 23 January 2013**Text:** (A) Torrens Title

| | | |
|-------------------------------|-----------------------------|----------------------------|
| Auto Consol Vol 4747 Fol 79 | Folio Identifier 5/2/54283 | Folio Identifier 14/248061 |
| Auto Consol Vol 10218 Fol 198 | Folio Identifier 6/2/54283 | Folio Identifier 25/249291 |
| Auto Consol Vol 3200 Fol 167 | Folio Identifier 12/2/54283 | Folio Identifier 49/249485 |
| Auto Consol Vol 6021 Fol 5 | Folio Identifier 13/2/54283 | Folio Identifier 4/258791 |
| Auto Consol Vol 14084 Fol 242 | Folio Identifier 14/2/54283 | Folio Identifier 24/260779 |
| Auto Consol Vol 7848 Fol 231 | Folio Identifier 1/64069 | Folio Identifier 15/260805 |
| Folio Identifier 10/E/216 | Folio Identifier 1/73763 | Folio Identifier B/330987 |
| Folio Identifier 13/5/2659 | Folio Identifier 1/74155 | Folio Identifier C/332740 |
| Folio Identifier 14/5/2659 | Folio Identifier Y/87197 | Folio Identifier 1/339822 |
| Folio Identifier 3/9678 | Folio Identifier 2/88516 | Folio Identifier 3/382528 |
| Folio Identifier 8/B/11044 | Folio Identifier 1/103609 | Folio Identifier A/383175 |
| Folio Identifier 2/13714 | Folio Identifier 1/109636 | Folio Identifier B/383175 |
| Folio Identifier 1/34388 | Folio Identifier 44/150066 | Folio Identifier A/401877 |
| Folio Identifier 3/SP37110 | Folio Identifier 27/150134 | Folio Identifier 2/431999 |
| Folio Identifier 2/38167 | Folio Identifier 53/151167 | Folio Identifier 1/503012 |
| Folio Identifier 12/40571 | Folio Identifier A/155441 | Folio Identifier 2/503012 |
| Folio Identifier 18/41609 | Folio Identifier 1/155926 | Folio Identifier 2/521850 |
| Folio Identifier 2/41851 | Folio Identifier 2/157408 | Folio Identifier 1/534526 |
| Folio Identifier 433/45626 | Folio Identifier 1/158221 | Folio Identifier 1/534593 |
| Folio Identifier 16/SP46581 | Folio Identifier 2/158221 | Folio Identifier 1/544937 |
| Folio Identifier 24/SP46581 | Folio Identifier A/159402 | Folio Identifier 11/551408 |
| Folio Identifier 25/SP46581 | Folio Identifier B/159402 | Folio Identifier 21/565246 |
| Folio Identifier 26/SP46581 | Folio Identifier E/162173 | Folio Identifier 22/565246 |
| Folio Identifier 38/SP46581 | Folio Identifier F/162173 | Folio Identifier 2/589610 |
| Folio Identifier 2/46697 | Folio Identifier 1/177234 | Folio Identifier 1/589610 |
| Folio Identifier 3/SP47954 | Folio Identifier 3/211192 | Folio Identifier 2/597504 |
| Folio Identifier 113/48439 | Folio Identifier 1/217093 | Folio Identifier 2/597561 |
| Folio Identifier 431/48728 | Folio Identifier 2/239249 | Folio Identifier 13/597771 |
| Folio Identifier 3/2/54283 | Folio Identifier 3/239249 | Folio Identifier 2/603204 |
| Folio Identifier 4/2/54283 | Folio Identifier 4/239249 | Folio Identifier 1/608317 |

Annexure: A to Change of Name**Parties:** Government Property NSW (formerly State Property Authority)**Dated:** 23 January 2013**Text:** (A) Torrens Title

| | | |
|-----------------------------|-------------------------------|-------------------------------|
| Folio Identifier 2/608317 | Folio Identifier 1/738251 | Folio Identifier 9/21/758606 |
| Folio Identifier 3/608317 | Folio Identifier 5/738302 | Folio Identifier 14/1/758739 |
| Folio Identifier 1/616459 | Folio Identifier 6/738302 | Folio Identifier 16/8/758817 |
| Folio Identifier 11/617632 | Folio Identifier 1/747803 | Folio Identifier 17/8/758817 |
| Folio Identifier 151/628059 | Folio Identifier 549/751627 | Folio Identifier 4/12/758827 |
| Folio Identifier 1/633736 | Folio Identifier 1547/751709 | Folio Identifier 5/12/758827 |
| Folio Identifier 152/635684 | Folio Identifier 10/752057 | Folio Identifier 4A/12/758827 |
| Folio Identifier 1/641068 | Folio Identifier 358/754308 | Folio Identifier 2/10/758827 |
| Folio Identifier 1/653776 | Folio Identifier 304/754308 | Folio Identifier 12/43/759092 |
| Folio Identifier 1/665969 | Folio Identifier 506/757298 | Folio Identifier 13/43/759092 |
| Folio Identifier 2/668015 | Folio Identifier 11/1/758082 | Folio Identifier 14/43/759092 |
| Folio Identifier 3/701512 | Folio Identifier 6/85/758144 | Folio Identifier 1/774604 |
| Folio Identifier 1/701512 | Folio Identifier 5/9/758144 | Folio Identifier 2/774604 |
| Folio Identifier 145/701742 | Folio Identifier 8/43/758144 | Folio Identifier 1/775220 |
| Folio Identifier 438/705500 | Folio Identifier 3/92/758144 | Folio Identifier 1/793927 |
| Folio Identifier 1/706046 | Folio Identifier 16/28/758144 | Folio Identifier 1/795083 |
| Folio Identifier 2/706046 | Folio Identifier 8/9/758161 | Folio Identifier 2/800379 |
| Folio Identifier 71/706143 | Folio Identifier 8/1/758271 | Folio Identifier 230/801016 |
| Folio Identifier 101/706838 | Folio Identifier 11/1/758271 | Folio Identifier 7/804521 |
| Folio Identifier 31/710351 | Folio Identifier 7/1/758271 | Folio Identifier 3/806398 |
| Folio Identifier 1/715077 | Folio Identifier 13/11/758338 | Folio Identifier 1/807938 |
| Folio Identifier 2/715077 | Folio Identifier 5/8/758338 | Folio Identifier 19/809583 |
| Folio Identifier 3/715077 | Folio Identifier 19/8/758338 | Folio Identifier 20/809583 |
| Folio Identifier 4/715077 | Folio Identifier 10/43/758361 | Folio Identifier 4/810210 |
| Folio Identifier 101/715520 | Folio Identifier 3/12/758418 | Folio Identifier 10/815958 |
| Folio Identifier 1/724160 | Folio Identifier 4/12/758418 | Folio Identifier 19/816808 |
| Folio Identifier 56/729620 | Folio Identifier 6/2/758468 | Folio Identifier 523/820183 |
| Folio Identifier 5/734539 | Folio Identifier 6/21/758606 | Folio Identifier 525/820183 |
| Folio Identifier 1/734622 | Folio Identifier 7/21/758606 | Folio Identifier 408/821783 |
| Folio Identifier 102/736173 | Folio Identifier 8/21/758606 | Folio Identifier 3263/822183 |

Annexure: A to Change of Name**Parties:** Government Property NSW (formerly State Property Authority)**Dated:** 23 January 2013**Text:** (A) Torrens Title

| | | |
|----------------------------------|--------------------------------|------------------------------|
| Folio Identifier 466/824127 | Folio Identifier 1/966841 | Folio Identifier 2/1067120 |
| Folio Identifier 103/826775 | Folio Identifier 22/976280 | Folio Identifier 1/1067120 |
| Folio Identifier 2/827434 | Folio Identifier 23/976280 | Folio Identifier 8/1068035 |
| Folio Identifier 101/828946 | Folio Identifier 24/976280 | Folio Identifier 33/1077816 |
| Folio Identifier 102/828946 | Folio Identifier 1/976890 | Folio Identifier 81/1097519 |
| Folio Identifier 101/829763 | Folio Identifier 33/980134 | Folio Identifier 1/1097861 |
| Folio Identifier 1/830420 | Folio Identifier 2/984009 | Folio Identifier 100/1098632 |
| Folio Identifier 2/830420 | Folio Identifier 32/107/984186 | Folio Identifier 63/1109172 |
| <u>Folio Identifier 1/836351</u> | Folio Identifier 31/107/984186 | Folio Identifier 64/1109172 |
| Folio Identifier 21/836628 | Folio Identifier 3/1003559 | Folio Identifier 17/1110848 |
| Folio Identifier 15/837866 | Folio Identifier 4/1003559 | Folio Identifier 18/1110848 |
| Folio Identifier 1/839564 | Folio Identifier 101/1011617 | Folio Identifier 17/1111135 |
| Folio Identifier 26/852454 | Folio Identifier 721/1015501 | Folio Identifier 110/1112885 |
| Folio Identifier 11/855757 | Folio Identifier 16/1018540 | Folio Identifier 1/1122794 |
| Folio Identifier 1/857627 | Folio Identifier 4/1018540 | Folio Identifier 50/1123554 |
| Folio Identifier 10/858986 | Folio Identifier 7028/1021378 | Folio Identifier 52/1124793 |
| Folio Identifier 2/863439 | Folio Identifier 701/1023476 | Folio Identifier 1/1126219 |
| Folio Identifier 2/864013 | Folio Identifier 17/1027254 | Folio Identifier 2/1126219 |
| Folio Identifier 3/864013 | Folio Identifier 32/1031471 | Folio Identifier 13/1126998 |
| Folio Identifier 67/866556 | Folio Identifier 11/1043086 | Folio Identifier 4/1128529 |
| Folio Identifier 111/872752 | Folio Identifier 1/1044611 | Folio Identifier 1/1130225 |
| Folio Identifier 112/872752 | Folio Identifier 11/1048486 | Folio Identifier 2/1130225 |
| Folio Identifier 423/873012 | Folio Identifier 98/1048930 | Folio Identifier 102/1130630 |
| Folio Identifier 1/877598 | Folio Identifier 21/1048933 | Folio Identifier 1/1138697 |
| Folio Identifier 2/877598 | Folio Identifier 1/1061815 | Folio Identifier 132/1140248 |
| Folio Identifier 22/879582 | Folio Identifier 29/1067083 | Folio Identifier 33/1141812 |
| Folio Identifier 100/880488 | Folio Identifier 1/1067118 | Folio Identifier 7/1144501 |
| Folio Identifier 1/900505 | Folio Identifier 2/1067118 | Folio Identifier 14/1144546 |
| Folio Identifier 1/905016 | Folio Identifier 3/1067118 | Folio Identifier 331/1144917 |
| Folio Identifier 2/954766 | Folio Identifier 4/1067118 | Folio Identifier 332/1144917 |

Annexure: A to Change of Name

Parties: Government Property NSW (formerly State Property Authority)

Dated: 23 January 2013

Text: (A) Torrens Title

Folio Identifier 333/1144917

Folio Identifier 631/114953

Folio Identifier 632/1149543

Folio Identifier 2/1153081

Folio Identifier 1/1154076

Folio Identifier 3/1154076

Folio Identifier 23/1155723

Folio Identifier 11/1157280

Folio Identifier 10/1157280

Folio Identifier 14/1157946

Folio Identifier 359/1157956

Folio Identifier 1/1157969

Folio Identifier 102/1162896

Folio Identifier 105/1162898

Folio Identifier 1/1163590

Folio Identifier 1/1165697

Folio Identifier 2/1167099

Folio Identifier 1/1167612

Folio Identifier 101/1168971

Folio Identifier 21/1173876

Folio Identifier 36/1173975

10-1280

FILM WITH AH543571**REGISTRATION DIRECTION ANNEXURE****FIRST SCHEDULE DIRECTIONS**

| FOLIO IDENTIFIER | DIRECTION | DETAILS |
|------------------|-----------|---------|
| | | |
| | | |
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SECOND SCHEDULE AND OTHER DIRECTIONS

| FOLIO IDENTIFIER | DIRECTION | NOTFNTY PE | DEALING NUMBER | DETAILS |
|------------------|-----------|---------------|----------------|---------|
| 1/747803 | Off | L | AB913095 | |
| | | | | |
| 1/177234 | Off | L | O296543 | |
| | | | | |
| 102/736173 | Off | L | AB913095 | |
| | | | | |
| 1/793927 | Off | L | AB353004 | |
| | | | | |
| 1-2/1126219 | Off | QG1 | | |
| | | | | |
| 1/1138697 | Off | L | AF39866 | |
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PLAN FORM 2a

Signatures and seals only.

EXECUTED BY THE COMMISSIONER FOR
MAIN ROADS BY HIS DELEGATE, T. MAE
PURSUANT TO DELEGATION BOOK 3694
Nº 480.

T. Mae

Council Clerk's Certificate

I hereby certify that -
(a) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(b) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(c) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(d) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(e) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(f) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(g) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(h) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(i) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(j) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(k) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(l) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(m) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(n) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(o) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(p) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(q) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(r) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(s) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(t) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(u) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(v) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(w) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(x) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(y) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.
(z) the requirements of the Local Government Act, 1919
have been complied with by the applicant in relation to the
proposed Subdivision.

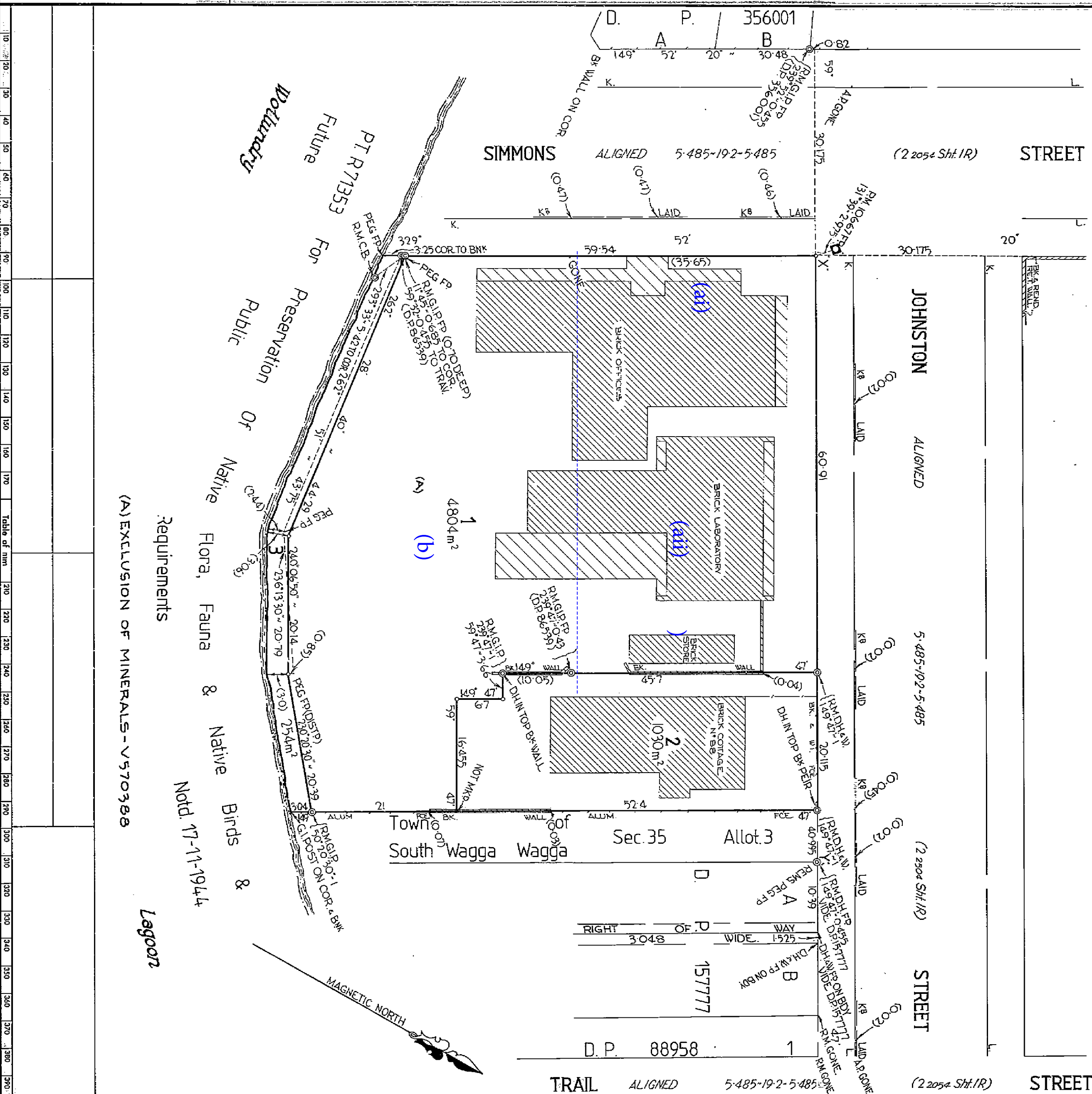
APPROVED:

DEPARTMENT OF MAIN ROADS

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

DMR FILE: 44M60 P19

DMR PLAN: 0000 468 SS097



D.P. 775220

Registered:

CA:

Title System:

Purpose:

Ref. Map:

Last Plan:

PLAN OF SUBDIVISION OF LAND

IN CONFORMANCE WITH THE

CONVEYANCES ACT, 1919

& CERTIFICATES OF TITLE VOLUME

551 FOLIO 38 & VOLUME 10256

FOLIO 198 FOR THE PURPOSES OF

THE STATE ROADS ACT, 1986.

NOW BK 2734 NO 646

Reduction Ratio 1:400

Lengths are in metres.

City: WAGGA WAGGA

Locality: SOUTH WAGGA WAGGA

Parish: SOUTH WAGGA WAGGA

County: WYNYARD

This is a plan of subdivision

of the Department of Main Roads, N.S.W.

of the Department of Main Roads, N.S.W.

of the Department of Main Roads, N.S.W.

of the Department of Main Roads, N.S.W.

of the Department of Main Roads, N.S.W.

of the Department of Main Roads, N.S.W.

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of the Department of Main Roads, N.S.W.

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of the Department of Main Roads, N.S.W.

of the Department of Main Roads, N.S.W.

of the Department of Main Roads, N.S.W.



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

7/7/2020 9:52AM

FOLIO: 1/775220

First Title(s): OLD SYSTEM

Prior Title(s): VOL 6511 FOL 38 PA60699

| Recorded | Number | Type of Instrument | C.T. Issue |
|------------|----------|----------------------|-----------------------------------|
| 15/6/1988 | DP775220 | DEPOSITED PLAN | LOT RECORDED FOLIO NOT CREATED |
| 4/7/1988 | PA60699 | PRIMARY APPLICATION | FOLIO CREATED EDITION 1 |
| 15/12/2008 | AE242520 | APPLICATION | EDITION 2 |
| 28/9/2011 | AG524305 | DEPARTMENTAL DEALING | |
| 12/2/2013 | AH543571 | CHANGE OF NAME | EDITION 3 |

*** END OF SEARCH ***

advlegs

PRINTED ON 7/7/2020



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/775220

| SEARCH DATE | TIME | EDITION NO | DATE |
|-------------|---------|------------|-----------|
| ----- | ---- | ----- | ---- |
| 7/7/2020 | 9:52 AM | 3 | 12/2/2013 |

LAND

LOT 1 IN DEPOSITED PLAN 775220
AT SOUTH WAGGA WAGGA
LOCAL GOVERNMENT AREA WAGGA WAGGA
PARISH OF SOUTH WAGGA WAGGA COUNTY OF WYNYARD
TITLE DIAGRAM DP775220

FIRST SCHEDULE

GOVERNMENT PROPERTY NSW

(CN AH543571)

SECOND SCHEDULE (1 NOTIFICATION)

1 LAND EXCLUDES MINERALS -SEE MEMORANDUM V570388

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

advlegs

PRINTED ON 7/7/2020

Annex D

NSW SafeWork Dangerous Goods Search Results



SafeWork NSW

SafeWork NSW

92-100 Donnison Street, Gosford, NSW, 2250

Locked Bag 2906, Lisarow, NSW, 2252 |

Customer Service Centre **13 10 50**

licensing@safework.nsw.gov.au | www.safework.nsw.gov.au

Our Ref: D16/640877
Your Ref: Anthony Plumb

25 July 2016

Attention: Anthony Plumb
Prensa Pty Ltd
Level 2
115 Military Rd
Neutral Bay NSW 2089

Dear Mr Plumb,

RE SITE: 1 Simmons St Wagga Wagga NSW

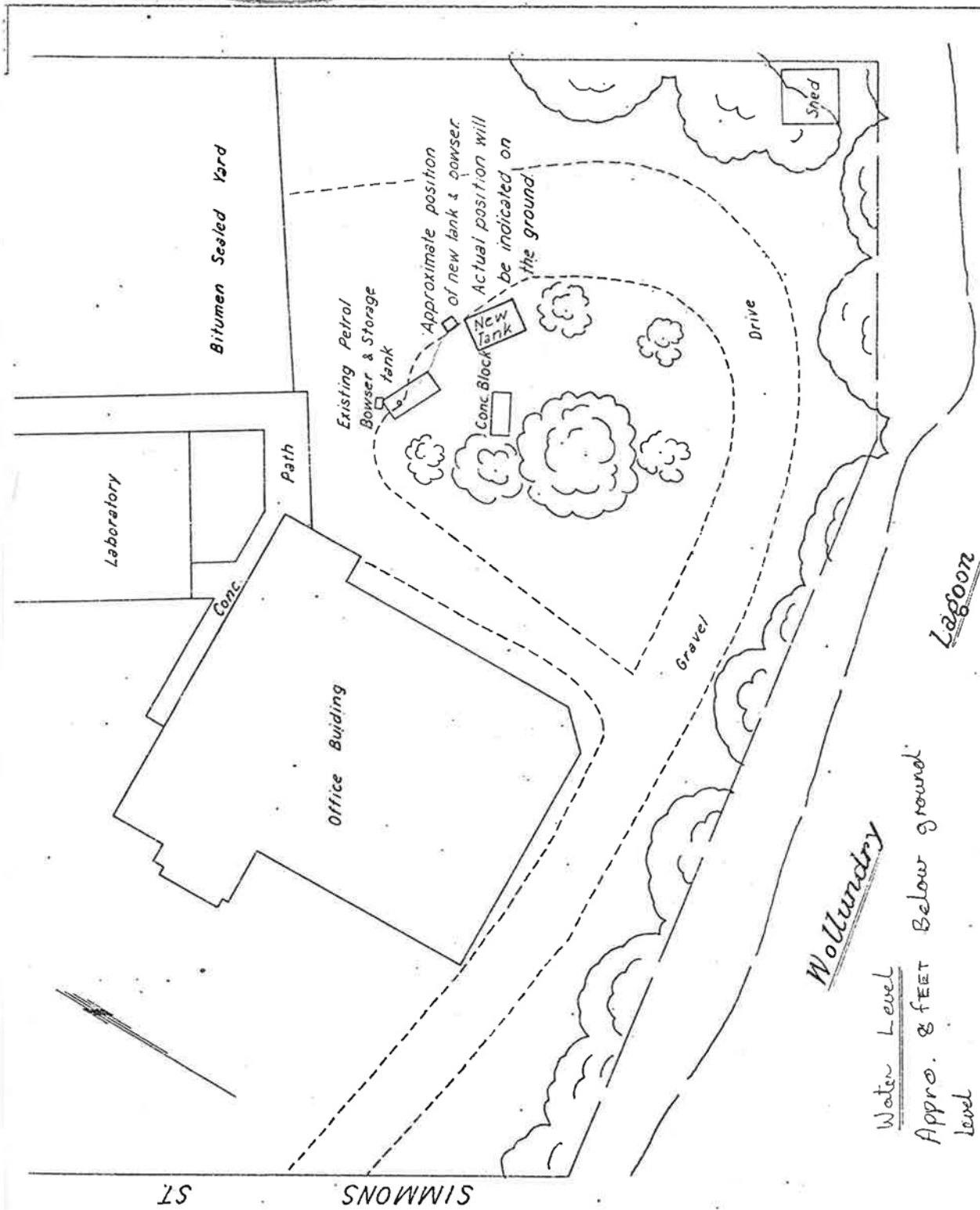
I refer to your site search request received by SafeWork NSW on 15 July 2016 requesting information on Storage of Hazardous Chemicals for the above site.

Enclosed are copies of the documents that SafeWork NSW holds on record number 35/011350 relating to the storage of Hazardous Chemicals at the above-mentioned premises.

For further information or if you have any questions, please call our Customer Service Centre on 13 10 50 or email licensing@safework.nsw.gov.au

Yours sincerely,


Brent Jones
Customer Service Officer
Customer Service Centre - Operations
SafeWork NSW



Ground plans of premises and adjacent buildings, buildings.

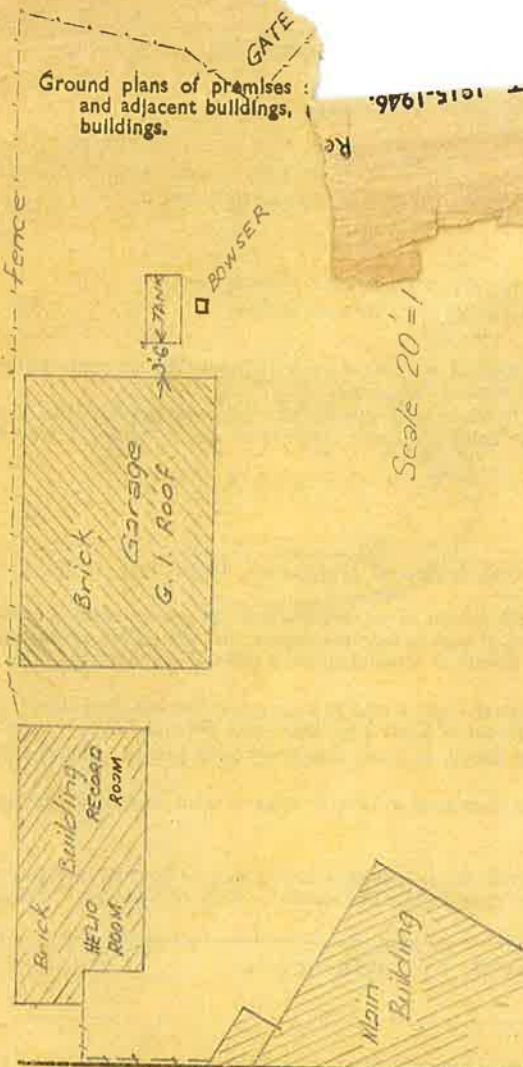
GATE

1915-1946

es showing—

Sketch of depot or depots showing provision made for ventilation, also inside dimensions (length, width, and depth) of the pit or lower portion, designed to prevent outflow. This sketch is not required for underground tanks.

Lane-way



TABLES SHOWING DISTANCES WHICH UNDER LICENSE MUST SEPARATE PROTECTED WORKS FROM DEPOTS.

Table I.—Where Mineral Spirit and/or Dangerous Goods of Class 1 (with or without Mineral Oil and/or Dangerous Goods of Class 2) are kept or to be kept :—

| In an underground Tank Depot, in quantity exceeding 500 gallons, but not exceeding— | In an aboveground Tank Depot or other Depot, separated from protected works by a screen wall, in quantity exceeding 100 gallons, but not exceeding— | In an aboveground Tank Depot or other Depot not separated from protected works by a screen wall, in quantity exceeding 100 gallons, but not exceeding— | Distance not less than— |
|---|---|--|-------------------------|
| Gallons. | Gallons. | Gallons. | Feet. |
| 2,000 | 1,000 | 250 | 10 |
| 2,100 | 1,200 | 300 | 11 |
| 2,800 | 1,400 | 350 | 12 |
| 3,200 | 1,600 | 400 | 13 |
| 3,600 | 1,800 | 450 | 14 |
| 4,000 | 2,000 | 500 | 15 |
| 7,200 | 3,600 | 900 | 18 |
| 10,400 | 5,200 | 1,300 | 19 |
| 13,600 | 6,800 | 1,700 | 20 |
| 16,800 | 8,400 | 2,100 | 21 |
| 20,000 | 10,000 | 2,500 | 22 |
| 22,000 | 11,000 | 2,750 | 23 |
| 24,000 | 12,000 | 3,000 | 24 |
| 26,000 | 13,000 | 3,250 | 25 |
| 28,000 | 14,000 | 3,500 | 26 |
| 30,000 | 15,000 | 3,750 | 27 |
| 32,000 | 16,000 | 4,000 | 28 |
| 40,000 | 20,000 | 5,000 | 30 |
| 80,000 | 40,000 | 10,000 | 40 |
| 100,000 and over. | 80,000 | 20,000 | 50 |
| | 160,000 | 40,000 | 75 |
| | 320,000 and over. | 80,000 | 100 |
| | | 120,000 | 115 |
| | | 240,000 | 130 |
| | | 400,000 and over. | 150 |

Table II.—Where Mineral Oil and/or Dangerous Goods of Class 2 only are kept or to be kept :—

Sc 8130

| In an underground Tank Depot, in quantity exceeding 500 gallons, but not exceeding— | In an aboveground Tank Depot or other Depot separated from protected works by a screen wall, in quantity exceeding 800 gallons, but not exceeding— | In an aboveground Tank Depot or other Depot not separated from protected works by a screen wall, in quantity exceeding 800 gallons, but not exceeding— | Distance not less than— |
|---|--|--|-------------------------|
| Gallons. | Gallons. | Gallons. | Feet. |
| 4,000 | 2,000 | 1,000 | 10 |
| 8,000 | 4,000 | 2,000 | 15 |
| 14,400 | 7,200 | 3,600 | |

alteration or amendment of any such Registration or License, for the keeping of Inflammable Liquid and/or Dangerous Goods, in accordance with the provisions of the Inflammable Liquid Act, 1915-46, for the ensuing year.

EXPLANATORY.

Inflammable Liquid—

Mineral Oil—includes kerosene, mineral turpentine and white spirit (for cleaning), and compositions containing same.

Mineral Spirit—includes petrol, benzine, benzolene, benzol and naphtha, and compositions containing same.

Dangerous Goods—

Class 1.—Acetone, amyl acetate, butyl acetate, carbon bisulphide; any combination of substances of an inflammable character suitable for use as an industrial solvent and having a true flashing point of less than 73 degrees Fahrenheit.

Class 2.—Nitro-cellulose (also known as "pyroxylin" and "collodion cotton") moistened with an alcohol, butyl alcohol (also known as "butanol"), methylated spirits, vegetable turpentine; and any liquid or solid containing methylated spirits, having a true flashing point of less than 150 degrees Fahrenheit.

Class 3.—Nitro-cellulose product.

Class 4.—Compressed or dissolved acetylene contained in a porous substance.

DIRECTIONS.

1. Applications must be forwarded to the Chief Inspector of Inflammable Liquid, Explosives Department, Department of Mines, Bridge-street, Sydney, and must be accompanied by the prescribed fee, as set out hereunder:—

Registration of Premises (Fee, 10s. p.a.).—For quantities not exceeding 300 gallons of mineral oil and 100 gallons of mineral spirit, if kept together; or 800 gallons of mineral oil and 100 gallons of mineral spirit, if kept in separate depots; or 500 gallons of mineral spirit, if kept in an underground tank depot; or 800 gallons of mineral oil and 500 gallons of mineral spirit, if mineral spirit is kept in an underground tank depot.

In addition to, or in lieu of the above, similar quantities of Dangerous Goods of Classes 1 and 2 may be kept under the like conditions; reading Dangerous Goods of Class 1 for the words Mineral Spirit and Dangerous Goods of Class 2 for the words Mineral Oil.

Store License, Div. A (Fee, £1. p.a.).—For quantities in excess of those stated above, but not exceeding 4,000 gallons mineral oil and/or mineral spirit, and/or Dangerous Goods of Classes 1 and 2.

Store License, Div. B (Fee, £2. p.a.).—For quantities exceeding 4,000 gallons of mineral oil and/or mineral spirit, and/or dangerous goods of Classes 1 and 2, and/or dangerous goods of Class 3.

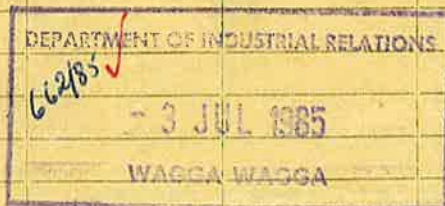
For the keeping of Dangerous Goods of Classes 3 and/or 4.

2. The certificate of inspection at foot hereof must be signed by an Inspector under the Inflammable Liquid Act, 1915-1946, or Police Officer, or other officer duly authorised in that behalf, and where the premises are situated outside the Metropolitan Area of Sydney, it is requested that such certificate be obtained prior to forwarding application.

| | |
|--|--|
| 1. Name in full of occupier | Department of Main Roads |
| 2. Occupation | |
| 3. Locality of the premises in which the depot or depots are situated... | No. or Name Street <u>No 1 Simmons Street,</u> Town <u>WAGGA WAGGA</u> |
| 4. Nature of premises (Dwelling, Garage, Store, etc.) | <u>Office</u> |
| 5. Will mineral spirit be kept in a prescribed underground tank depot? | <u>Yes</u> |

6. Particulars of construction of depots and maximum quantities of inflammable liquid and/or Dangerous Goods to be kept at any one time.

| Depot No. | Construction of Depots. | | | Inflammable Liquid. | | Dangerous Goods. | | | |
|-----------|--------------------------------------|-------|--------|--------------------------|-----------------------|-------------------|-------------------|--------------|-------------------|
| | Walls. | Roof. | Floor. | Mineral Spirit. Gallons. | Mineral Oil. Gallons. | Class 1. Gallons. | Class 2. Gallons. | Class 3. lb. | Class 4. cub. ft. |
| 1 | 1x 500 gallon Iron Tank Underground. | | | 500 | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |



Signature of Applicant Dept of Main Roads
Date of Application 5th August, 1947
Postal Address Box 151
Wagga Wagga.

CERTIFICATE OF INSPECTION.

I, B. R. Slattery being an Inspector under the Inflammable Liquid Act, 1915-46, do hereby certify that the premises or store herein referred to and described is suitable with regard to its situation and construction for the safe keeping of inflammable liquid and/or dangerous goods in quantity and nature

Department of Industrial Relations



LICENCE No.

DANGEROUS GOODS ACT, 1975

35-011350-9

**APPLICATION FOR LICENCE (or AMENDMENT or TRANSFER of LICENCE)*
FOR THE KEEPING OF DANGEROUS GOODS**

(* delete whichever is not required)

FEE: \$15.00 per Depot for new licence.
\$15.00 for amendment or transfer.

| | |
|---|--|
| Name of Applicant in full (see Item 1—Explanatory notes—page 4) | DEPT. OF MAIN ROADS NSW. |
| Trading name or occupier's name (if any) | AS ABOVE. |
| Postal Address | P.O. BOX 484. WAGGA WAGGA. NSW. Postcode 2650. |
| Address of the premises to be licensed. (Including Street No.) | 1 SIMMONS ST. WAGGA WAGGA. NSW. Postcode 2650. |
| Nature of premises (See Item 2—Explanatory notes—page 4) | OFFICE & ADMINISTRATION |
| Telephone number of applicant | STD Code 069 Number 211133 |

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

| Depot number | Type of depot (See item 3—Explanatory notes—page 4) | Storage capacity | Dangerous goods | C & C Office use only |
|--------------|--|------------------|----------------------|--------------------------|
| | | | Product being stored | |
| 1 | UNDERGROUND TANK | 10,000 1 | MS. | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |

Has site plan been approved by the Dangerous Goods Branch?

Yes
~~No~~

If yes, no plans required.

If no, please attach site plan, or provide sketch plan overleaf.

Have premises previously been licensed?

Yes
~~No~~

If yes, state name of previous occupier, and licence No. (if known).

INCREASED STORAGE.

Name of oil company supplying flammable liquid (if applicable).

Signature of applicant

N. Cheetham

Date

6.3.86

For external explosives magazine(s), please fill in page 3.

FOR OFFICE USE ONLY

CERTIFICATE OF INSPECTION

I, R. J. LANCASTER, being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in



Date

5 / 10 / 94

ORDER No.

736177

B & B PETROLEUM EQUIP

Issued by:

RTA

14 JONES ST

1 SIMMONS ST

WAGGA WAGGA 2650

WAGGA WAGGA 2650

DAVE BENNETT 211119 (QUOTE NO 359)

| Item No. | Contract Item No. | PARTICULARS | Quantity | Rate | Amount |
|---------------|-------------------|--|----------|------|---------|
| 1 | | PUMP OUT & REMOVE U/G FUEL STORAGE TANK REMOVE CONCRETE PAD AND PIPE WORK. DISCONNECT ELECTRICITY SUPPLY. BACKFILL & COMPACT | | | 2460.00 |
| 2 | | DEGAS AND CUT UP FOR SCRAP | | | NIL |
| 3 | | LESS RESALE OF OLD TANK AFTER EVALUATION | | | -250.00 |
| Sub Total | | | | | 2210.00 |
| Less Discount | | | | | |
| Net Amount | | | | | 2210.00 |

This Order is issued under Cl. 7.1.3 of the Authority's Delegations.
Competitive quotes were obtained from:

\$

ONLY LOCAL FIRM CAPABLE OF WORK - QUOTE CONSIDERED FAIR & REASONABLE - APPROVED BY ZONE MANAGER

Goods/services are required for REMOVAL OF DISUSED FUEL TANK

I hereby certify that the abovementioned goods have been received and/or services performed.

*

Copy of Signature

S. MUNRO.

(Copy of Signature of Employee/Officer receiving goods/services)

PAYMENT DETAILS

| Date: | Voucher No. | Item: | Quantity | Balance |
|-------|-------------|-------|----------|---------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Date

11/11/94



67A.1411 Pt3
DF:CH
D Fonda

Roads and Traffic
Authority
New South Wales
Wagga Wagga Zone



Dangerous Licensing
Work Cover Authority
Level 1
400 Kent St
SYDNEY NSW 2000

1 Simmons Street
PO Box 484
Wagga Wagga NSW 2650

Telephone (069) 381111
Facsimile (069) 381183

CANCELLATION OF LICENCE FOR UNDERGROUND FUEL STORAGE TANK.

Dear Sir

I write to you requesting cancellation of a licence held by the Roads and Traffic Authority, 1 Simmons Street, Wagga Wagga, Licence Number 35/011350. The Contractor who removed the tank was B & B Petroleum Equipment of 14 Junes Street Wagga Wagga, contact name - Dave Bennett, phone (069) 211 119 quote number 359. A certificate for removal of the tank was not supplied by the Contractor. However for proof of order for removal please find two (2) forms attached. Confirmation of cancellation of licence to be sent to:

Miss Dianne Fonda,
Roads and Traffic Authority,
Po Box 484,
WAGGA WAGGA NSW 2650
or phone 069 381 103.

Copies of licences are also attached.

Yours faithfully



C E Blomfield for
C E Blomfield
Zone Manager

8/5/95

PART C

Complete 1 section per depot

CHEMICAL STORAGE

357011350

If you have more depots than the space provided, photocopy sufficient sheets first.

| Depot number | Type of depot | Class | Licensed maximum storage capacity | | | | |
|--------------|-------------------|-------|-----------------------------------|--|--|--|--|
| | RADIOACTIVE STORE | 7 | N/K (3 gauges) | | | | |

| UN number | Shipping name | Pkg. Class Group | EPG | Product or common name | Typical quantity | Unit eg. L, kg, m³ |
|-----------|--|------------------|-----|-----------------------------------|------------------|--------------------|
| 2974 | CAESIUM 137 (sealed source) 0.2 Transport Index | 7A | | HUMBOLDT NUCLEAR DENSITY MOISTURE | 10 | mCi |
| | AMERICIUM 241:Be (sealed source) | 7A | | GAUGE (x2) | 40 | mCi |

| Depot number | Type of depot | Class | Licensed maximum storage capacity | | | | |
|--------------|---------------|-------|-----------------------------------|--|--|--|--|
| 1 | U/G Tank | 3 | 10,000 L | | | | |

| UN number | Shipping name | Pkg. Class Group | EPG | Product or common name | Typical quantity | Unit eg. L, kg, m³ |
|-----------|---------------|------------------|------|------------------------|------------------|--------------------|
| 1203 | Pentol | 3 | I 3A | | 10000 L | |
| | | | | | | |

| Depot number | Type of depot | Class | Licensed maximum storage capacity | | | | |
|--------------|---------------|-------|-----------------------------------|--|--|--|--|
| | | | | | | | |

| UN number | Shipping name | Pkg. Class Group | EPG | Product or common name | Typical quantity | Unit eg. L, kg, m³ |
|-----------|---------------|------------------|-----|------------------------|------------------|--------------------|
| | | | | | | |
| | | | | | | |

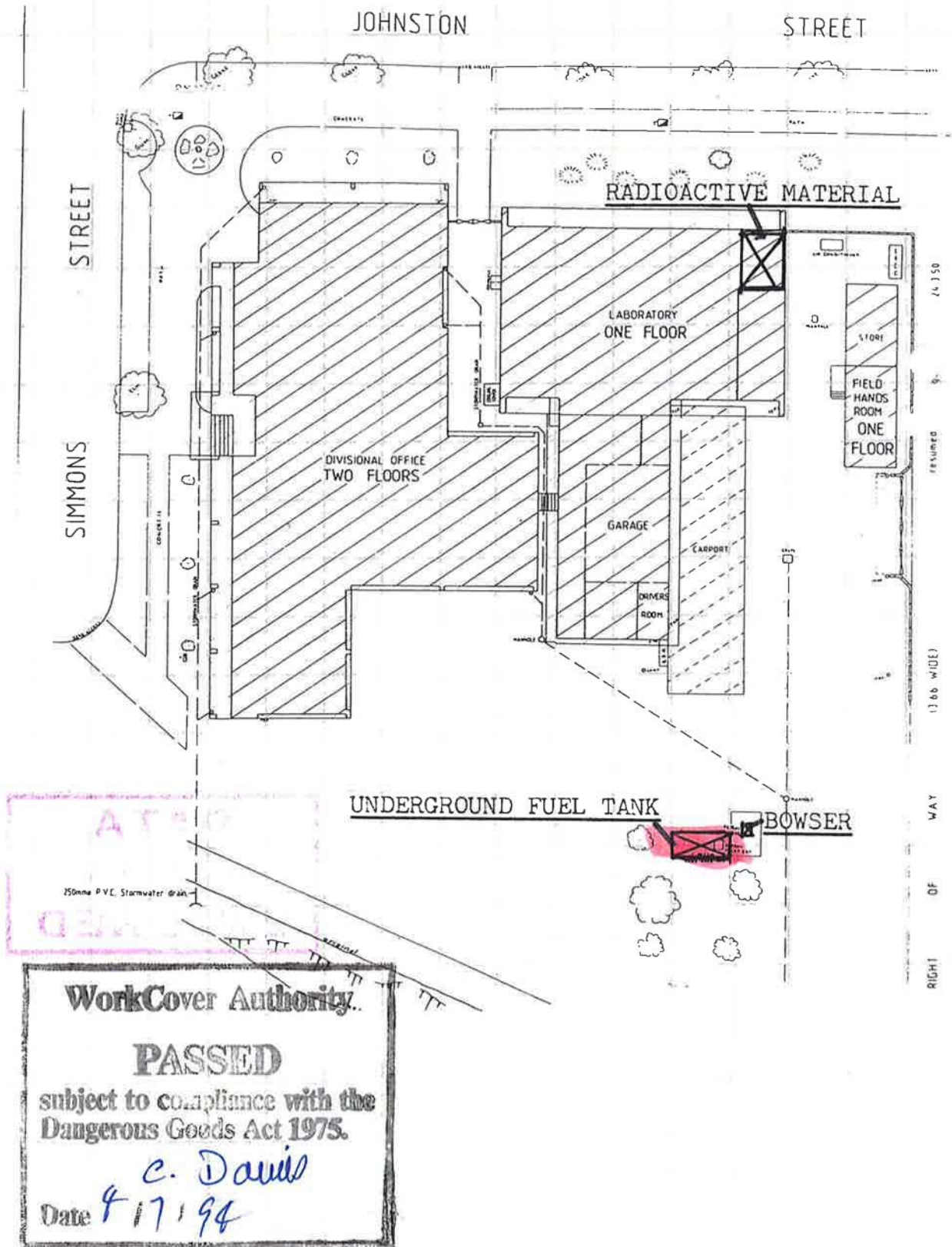
| Depot number | Type of depot | Class | Licensed maximum storage capacity | | | | |
|--------------|---------------|-------|-----------------------------------|--|--|--|--|
| | | | | | | | |

| UN number | Shipping name | Pkg. Class Group | EPG | Product or common name | Typical quantity | Unit eg. L, kg, m³ |
|-----------|---------------|------------------|-----|------------------------|------------------|--------------------|
| | | | | | | |
| | | | | | | |

PART B

357011350

Sketch
se carefully read the instructions in Part B of the guide before sketching the site.





REGISTRY
EJ27/11/98

PART

SCIENTIFIC SERVICES
BRANCH

25 MAY 1993

DANGEROUS
GOODS



WORKCOVER AUTHORITY

LICENCE TO KEEP DANGEROUS GOODS

(Dangerous Goods Act 1975)

Application for new licence, amendment or transfer

1/5 CSD 4-7-88

1. Name of applicant

ACN

ROADS AND TRAFFIC AUTHORITY

2. Site to be licensed

No Street

1

SIMMONS STREET

Suburb/Town

Postcode

WAGGA WAGGA

2650

3. Previous licence number (if known)

35/011350

4. Nature of site

ADMINISTRATION OFFICE/LABORATORY/CARPARK

5. Emergency contact on site: CPA

Phone

Name

SEE ATTACHED

6. Site staffing:

Hours per day

10

Days per week

5

7. Major supplier of dangerous goods

FUEL - SHELL

8. If new site or significant modification

Plan stamped by:

Accredited consultant's name:

N/A

DATA

Date stamped

13 AUG 1994

ENTERED

9. Number of dangerous goods depots at site

2

10. Trading name or occupier's name

ROADS AND TRAFFIC AUTHORITY NSW

11. Postal address of applicant

Suburb/Town

Postcode

PO BOX 484

WAGGA WAGGA

2650

12. Contact for licence enquiries:

Phone

Fax

Name

WK: (069) 234705

H: (069) 255098

(069) 216173

RAY TUCK

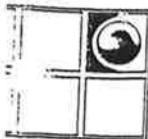
(069) 321111

I certify that the details contained in this application (or the accompanying computer disk) are true and correct

13. Signature of applicant

Date

21.MAY1993



GROUNDWATER TECHNOLOGY

Groundwater Technology Australia Pty Limited
A.C.N. 003 931 057
17 Forrester Street, Kingsgrove NSW 2208 Australia
Telephone: (02) 502 4844 Fax: (02) 502 2105

27 September 1995

Our Ref S8676

Roads and Traffic Authority of NSW
Wagga Wagga Zone Office
PO Box 484
WAGGA WAGGA NSW 2650

Attention: Mr Neil McCartney

Dear Mr McCartney,

**RE: TANK PIT ENVIRONMENTAL REPORT
ROADS AND TRAFFIC AUTHORITY WAGGA WAGGA**

1. Introduction

Groundwater Technology Australia Pty. Ltd. (GTA) was engaged by the Wagga Wagga Zone Office of the Roads and Traffic Authority of NSW (RTA) on 18 September, to analyse 6 soil samples from an excavated fuel oil tank pit, for total petroleum hydrocarbons and BTEX compounds, and to provide a report outlining the laboratory results. The RTA provided some basic information about the site and the location of the samples. This letter addresses the degree of contamination remaining in the walls and floor of the old fuel oil tank pit excavation, and the nature of the back fill material at the site in Simmons Street in Wagga Wagga, NSW (Figure 1).

GTA advised the RTA of potential areas of hydrocarbon contamination, recommending where the samples should be taken from, and how they should be handled. Location of tank pit and the location of samples are indicated in Figure 2.

2. Tank Removal, Geology, Hydrogeology and Tankpit Sampling

The tank was removed using a backhoe. It was reported to be rusty but fully competent. From the Wagga Wagga geological map, the geology of the area consists of alluvial sediments associated with the Murrumbidgee River and comprises unconsolidated clay, silt, sand and gravel (flood plain sediments). The Department of Land and Water Conservation groundwater information shows several bores within a 2 kilometre radius of the site, used for general purposes. The bore data indicates loam/clay to approximately 5 metres below grade, with sand/gravel below that horizon. The site is located adjacent to the Willundry Lagoon. The water table occurs at between 3 and 7 metres below grade. The tank pit was excavated to 1.5m below grade and is unlikely to impact groundwater in the area. It was reported that there was some localised discolouration in the pit. It was suggested that this is likely to have been due to the fuel oil remaining in the vent or suction pipe, emptying back into the pit when the pipe was disconnected from the tank. A little water remained after the tank was pulled.

Six samples were obtained from the tankpit. One sample was taken from each wall, one from the base and one from the sands used to seat the tank/backfill the hole. GTA advised that samples be taken from any obviously impacted areas and in the lower portion of the wall towards the base of the pit. GTA

Our Ref: S8676

RTA
Wagga Wagga Zone Office
Received

recommended that samples should be retained in glass jars at least 250ml in size, with an aluminium foil seal and a screw top lid. Samples were to be preserved on ice, and dispatched overnight to the laboratory. Samples were received on Friday 15 September and were immediately submitted for analysis. The samples were analysed at GTEL Environmental Laboratory, Sydney, which is NATA registered.

3. Laboratory Analysis

The samples were analysed for total petroleum hydrocarbons (TPH), constituent hydrocarbon groups (C₆-C₉, C₁₀-C₁₄, C₁₅-C₂₈ and C₂₉-C₃₆), benzene, toluene, ethyl benzene and xylene (BTEX).

Laboratory results of the samples collected from the tankpit, are summarised in Table 1 below. The laboratory analysis report and the NSW EPA (1994) recommended clean up levels for hydrocarbons in soils, are attached to the end of the letter.

TABLE 1
Soil Sample Analytical Results - in parts per million (ppm)

| Sample ID | TPH | C6-C9 | C10-C14 | C15-C28 | C29-C36 | B | T | E | X | TOTAL BTEX |
|---|-----|-------|---------|---------|---------|----|-------------------------|-------------------------|------------------------|------------|
| 1 - western wall directly below feeder pipe | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2 - southern wall | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 3 - eastern wall | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4 - northern wall | 15 | ND | ND | 15 | ND | ND | ND | ND | ND | ND |
| 5 - sand used to seat tank | 29 | ND | ND | 29 | ND | ND | ND | ND | ND | ND |
| 6 - insitu soil | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| NSW EPA (1994) Published Guidelines for Service Station Sites | | 65 | 1000 | | | 1 | 1.4* 30 [#] | 3.1* 50 [#] | 14* 25 [#] | - |

Notes:

B = Benzene, T = Toluene, X = Xylene, E = Ethylbenzene; ND = Below Method Detection Limit;
NSW EPA (1994) published guidelines for service station sites:

* = protection based thresholds for organisms in soil

= protection based thresholds for human health

concentrations above NSW EPA (1994) published guidelines are shaded.

The results of the soil samples analysed by GTEL laboratory reveal that neither hydrocarbons, nor BTEX compounds were detected in the samples taken from the western, southern and eastern walls and the base of the tankpit. Very low levels of hydrocarbons in the C₁₅-C₂₈ chainlengths (concentrations below the NSW EPA (1994) published guideline thresholds for soils), were detected in sample 4 taken from the northern wall, and in sample 5 taken from the sand used to seat the tank (presumably backfill sand).

5. Conclusion

On the basis of laboratory analysis, Groundwater Technology Australia concludes that contamination of the soil and backfill sands of the fuel oil tankpit are below the NSW EPA (1994) regulatory criteria and no contamination of the surrounding soils has occurred from this tank removal. Groundwater impacts are not an issue at this site.

Should you have any queries regarding this report, please do not hesitate to contact Mr John Ross (NSW Manager/Project Manager) or the undersigned.

Yours faithfully

GROUNDWATER TECHNOLOGY AUSTRALIA PTY LTD



Heather Cook
Environmental Scientist

Attachments

- | | |
|--------------|--|
| Attachment A | Laboratory Report |
| Attachment B | NSW EPA (1994) Recommended Clean-up levels |
| Figure 1 | Site Location Map |
| Figure 2 | Site Plan |

SIMMONS STREET

WALL

AIR CONDITIONER
WATER TOWER

EXCAVATED AREA

APPROX LOCATION
OF TANK

LABORATORY

SRA POWER
TRANSFORMER

PIPE TO EXISTING

GRASSED
AREA

SURVEYORS
BUILDING

SAMPLES TAKEN FROM EACH WALL WERE APPROX:
1m BELOW THE SURFACE
SAMPLE 5 WAS 2m BELOW THE SURFACE
SAMPLE 6 WAS 2.3m BELOW THE SURFACE

NOTES: ALL LOCATIONS ARE APPROXIMATE.
SOURCE: GROUNDWATER TECHNOLOGY AUSTRALIA



| | |
|---|---------------|
| GROUNDWATER TECHNOLOGY AUSTRALIA 17 FORRESTER STREET KINGS GROVE NSW 2208 (02) 502 4844 | |
| REV. NO.: | DRAWING DATE: |
| | 21/9/95 |
| ACAD FILE: S8676 | |

SITE PLAN

| | | | |
|--------------------|---|-----------|----|
| CLIENT: | ROADS AND TRAFFIC AUTHORITY OF NSW WAGGA WAGGA ZONE OFFICE | PM: | |
| LOCATION: | 1 SIMMONS STREET WAGGA WAGGA, NSW | PE/RG: | |
| DESIGNED: | HC | DETAILED: | TG |
| PROJECT NO.: S8676 | | FIGURE: | 2 |

ATTACHMENT A
LABORATORY REPORT

Table 3 Threshold concentrations for sensitive land use — soils

| Analytes | Threshold concentrations ^a (mg/kg dry wt) | Sources |
|---|---|-----------------------|
| TPH ^{b, c} : C6-C9 | 65 | see note ^d |
| TPH: C10-C40 (C10-C14, C15-C28, C29-C40) | 1,000 | see note ^e |
| Benzene | 1 ^f | ANZECC /NHMRC 1992 |
| Toluene | 1.4 / 120 ^h | Netherlands 1994 |
| Ethyl benzene | 3.1 / 50 ⁱ | Netherlands 1994 |
| Total Xylenes | 14 ^j / 25 ^j | Netherlands 1994 |
| Phenol | — ^j | — ^j |
| Total Lead | 300 | ANZECC /NHMRC 1992 |
| Benzo(a)pyrene | 1 | ANZECC /NHMRC 1992 |
| Total PAHs ^m | 20 | ANZECC /NHMRC 1992 |

ms. Scientifically justified alternative threshold concentrations may be acceptable. Thresholds may be reviewed as new scientific information becomes available.

Explanatory notes for Table 3

^a Refer to relevant source documents for details.

Definitions of terms used in discussion of Netherlands criteria (Denneman 1993) are:

- The maximum permissible concentration (MPC) is the 'concentration of a toxic substance that fully protects 95% of the species in an ecosystem'.
- The intervention level represents 'a level where action is needed because impermissible risks may occur. It depends on other than chemical characteristics if action should take place immediately or not'. In the case of ecological risk, the intervention level 'fully protects 50% of the species in an ecosystem'.

Further information regarding MPCs and intervention levels may be found in Denneman & van den Berg 1993. The Netherlands sourced values in Table 2 refer to soil with 10% natural organic matter content. These threshold concentrations must be adjusted for the particular natural organic matter content of the specific site. The natural organic matter content in soil may be determined using the Walkley and Black Method, AS 1289.D1.1-1977, *Determination of the Organic Matter Content of a Soil (Standard Method)*.

The threshold concentrations for ethyl benzene and xylenes to protect terrestrial organisms have been derived from aquatic toxicological data using equilibrium partitioning. Investigations have shown (Van Gestal & Ma 1993) that in the case of earthworms, toxicity is related to the pore water contaminant concentration. The LC₅₀ pore water concentrations for several compounds have been favourably compared with LC₅₀ aquatic toxicological data for fish.

Explanatory notes for Table 3 (cont.)

The derivations of criteria adopted as threshold concentrations have not explicitly taken account of chemical mixtures. The potential impact of mixtures of chemicals should be assessed on a site-specific basis.

The potential for the generation of odours may mean that lower thresholds than those listed in Table 2 are required for volatile compounds.

- b Total petroleum hydrocarbons
- c Approximate range of petroleum hydrocarbon fractions: petrol C6-C9, kerosene C10-C18, diesel C12-C18 and lubricating oils above C18.
- d The TPH C6-C9 threshold concentration, i.e. 65 mg/kg, applies to soil containing 10% natural organic matter. This concentration has been calculated assuming the following:
 - that there has been a fresh spill of petrol
 - that the aromatic content of the petrol is 30%
 - that the resultant BTEX soils concentrations are at their lower thresholds.

TPH C6-C9 concentrations above the relevant threshold may indicate that BTEX concentrations are above their thresholds. This threshold concentration should be interpreted as only an approximate potential indicator of contamination.

- e The TPH C10-C40 threshold concentration is based on a consideration both of the Netherlands Intervention Level for the TPH C10-C40 range and on commonly reported analytical detection limits. The Netherlands intervention value is 5,000 mg/kg dry weight.

- f A lower benzene threshold concentration may be needed to protect groundwater.

- g The toluene threshold concentration is the Netherlands MPC to protect terrestrial organisms in soil. This value was obtained by applying a US EPA assessment factor to terrestrial chronic No Observed Effect Concentration (NOEC) data. The MPC is an 'indicative' value (Van de Plassche et al. 1993).

- h Human health and ecologically based protection level for toluene. The threshold concentration presented here is the Netherlands intervention value for the protection of terrestrial organisms. Other considerations such as odours and the protection of groundwater may require a lower remediation criterion.

- i The ethyl benzene threshold concentration is the Netherlands MPC for the protection of terrestrial organisms in soil. No terrestrial ecotoxicological data could be found for use in the Netherlands criteria derivation. Therefore, equilibrium partitioning has been applied to the MPC for water to obtain estimates of the MPC for soil. The MPC for water has been derived from aquatic ecotoxicological data (Van de Plassche et al. 1993; Van de Plassche & Bockling 1993).

- j Human health based protection level for ethyl benzene or total xylenes as shown. The threshold concentration presented here is the Netherlands intervention value. Other considerations such as odours and the protection of groundwater may require a lower remediation criterion.

- k The xylene threshold concentration is the Netherlands MPC for the protection of terrestrial organisms in soil. No terrestrial ecotoxicological data could be found for use in the Netherlands criteria derivation. Therefore, equilibrium partitioning has been applied to the MPC for water to obtain an estimate of the MPC for soil. The MPC for water has been derived from aquatic ecotoxicological data. The concentration shown applies to total xylenes and is based on the arithmetic average of the individual xylene MPCs (Van de Plassche et al. 1993; Van de Plassche & Bockling 1993).

- l Phenol contamination is not expected to be significant at service station sites. Phenol has been included in the analyte list because it is a potential constituent of waste oil. The potential impact of phenol should be evaluated on a site-specific basis. Phenol may have a significant impact on waters.

- m Polycyclic aromatic hydrocarbons

*Put with
1996 cancelled
files*
67A.1411
EC

Roads and Traffic
Authority
New South Wales
Wagga Wagga Zone



Workcover Authority
Locked Bag 10
Clarence Street
SYDNEY 2000

35/011350
16 JUL 1996

1 Simmons Street
PO Box 484
Wagga Wagga NSW 2650

Telephone (069) 381111
Facsimile (069) 381183

REMOVAL OF OIL TANK - ROADS AND TRAFFIC AUTHORITY, 1 SIMMONS STREET, WAGGA WAGGA.

Dear Sir,

I wish to advise that the underground oil tank situated at 1 Simmons Street, Wagga Wagga has been removed.

Please find attached a report from Groundwater Technology verifying that there is no contamination to the surrounding soils.

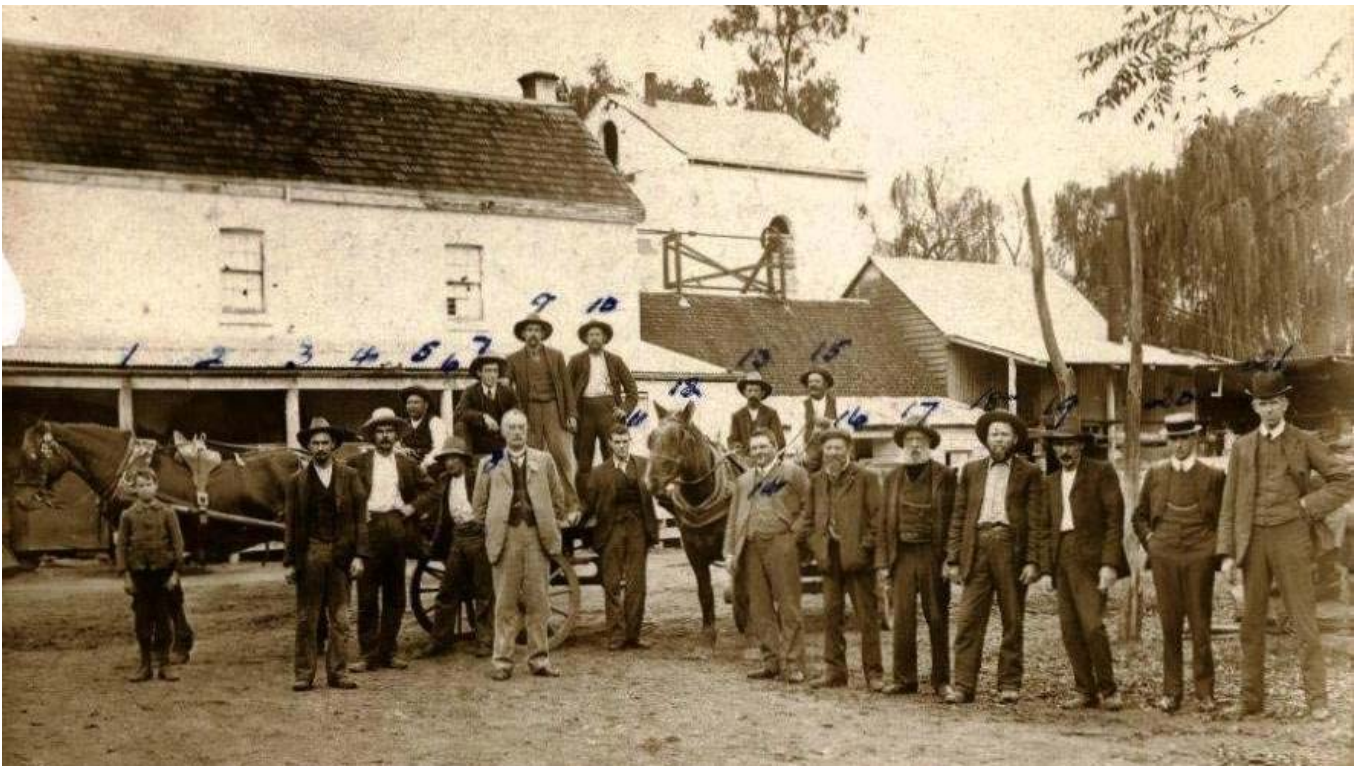
Yours faithfully,

E A Cross
Secretary
O H & S Committee



Annex E

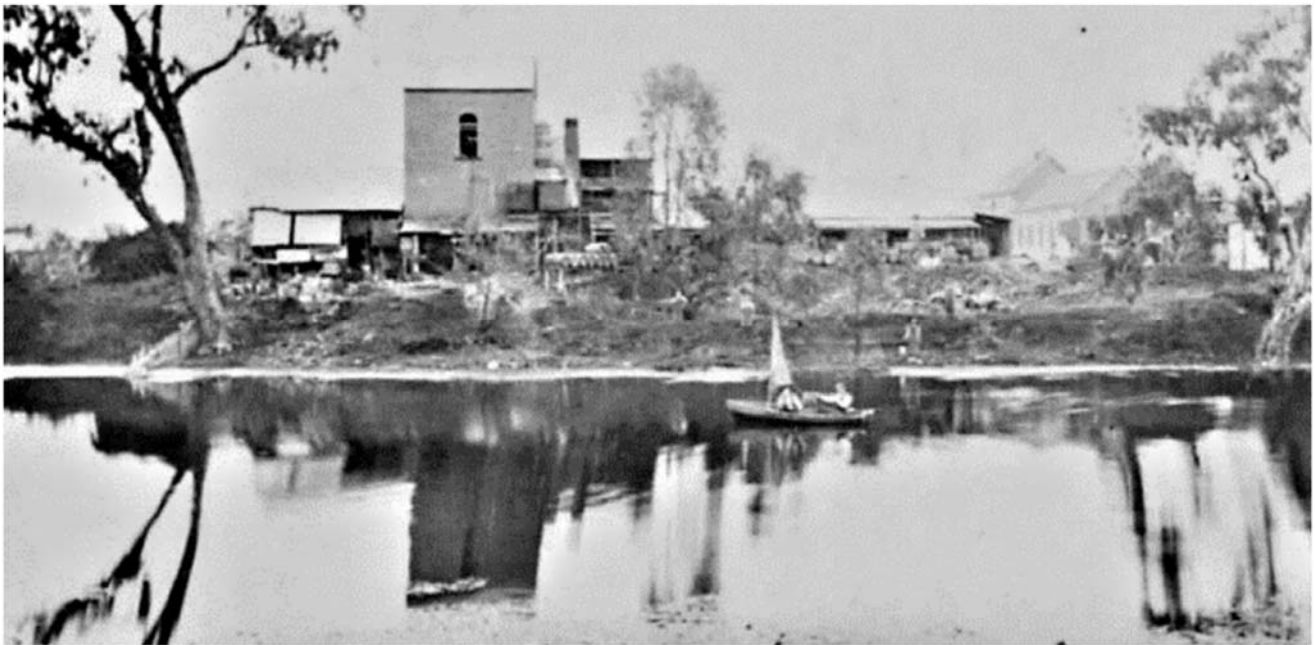
Photographs



The former brewery 1909.



Drawing of Wagga Wagga in 1883. The Brewery is visible near the arrow and appears to occupy the whole Site.



Looking north across Wollundry Lagoon to the site (occupied by the former Brewery).



Former Welwyn Hospital Building. Photo taken from the rear yard looking west. A Garage is visible in the right of the photo.



Looking north over the site at the time of the site inspection.



The north east corner of the Laboratory building showing what was thought to be a former plant room. A vent pipe was mounted to the building and is typical of a vent for a diesel storage UST. Documents identified in the SafeWork indicate a SUST was removed from this area in 1995. It is likely that the UST was removed and the vent left in place.



Looking northward toward the UPSS area in the north east corner of the site.



Covered wash bay at the southern end of the Laboratory building (north east corner of the site). The wash appears to drain to a waste water treatment system visible against the colourbond fence to the right (south) of the wash bay.



Suspected UST location adjacent to the eastern boundary. Previous borehole locations were evident in the asphalt surface of the car parking areas.



Looking at the eastern Site boundary. A PVC downpipe was identified indicating a shed had previously been located in this location.



The south east corner of the Site.



Looking toward Wollundry Lagoon from the southern portion of the Site.



Looking north west across the site. The parking area beneath the ute is suspected of containing a UST. The two storey office block is shown in the background and Laboratory building on the right.



Covered parking and loading bay on the eastern side of the Laboratory building.



Looking into the plant room of the Two Storey office building. Air conditioner and electrical switchboard shown. The plant room was clean and tidy.



Gas fired boiler in the plant room of the two storey building.



Extractor fan on the laboratory building.



Northern side of the site from Johnston Street.



Western side of the site from Simmons Street.



Garage in the southern end of the Laboratory Building.

Annex F

Section 10.7 Planning Certificate



Planning Certificate

(Section 10.7(2) & (5) – Environmental Planning and Assessment Act 1979)
(previously s149(2) & (5) certificate)

Certificate Details

Certificate No: ePL2020/0364
Receipt date: 08 July 2020

Applicant Details

Name & Address: Ground Doctor Pty Ltd
22 Tamworth Street
DUBBO NSW 2830

Your Reference: 2020-GD010

Land

Property No: 207580
Title Description: Lot 1 DP 775220
Address: 1 Simmons St WAGGA WAGGA NSW 2650

Disclaimer

Information contained in this certificate is valid on the date issued and relates only to the land for which this certificate is issued. The information is provided in good faith subject to sections Schedule 6(2) and 10.7(6) of the Environmental Planning and Assessment Act 1979 and Council shall not incur any liability in respect of any such advice.

This certificate provides prescribed and other relevant information affecting how land may be used including certain restrictions on development. The certificate contains information Council is aware of through its records and environmental plans, along with data supplied by the State Government. Title information shown on this certificate is provided from Council's records and may not conform to information shown on the current Certificate of Title. Easements, restrictions as to uses, rights of way and other similar information shown on the title of the land are not provided on this certificate.

1 Names of relevant planning instruments and DCPs

- (1) The name of each environmental planning instrument that applies to the carrying out of development on the land.

Wagga Wagga Local Environmental Plan 2010 (WWLEP 2010)

State Environmental Planning Policies

- SEPP No. 21 - Caravan Parks
- SEPP No. 30 - Intensive Agriculture
- SEPP No. 33 - Hazardous and Offensive Development
- SEPP No. 36 - Manufactured Home Estates
- SEPP No. 44 - Koala Habitat Protection
- SEPP No. 50 - Canal Estate Development
- SEPP No. 55 - Remediation of Land
- SEPP No. 62 - Sustainable Aquaculture
- SEPP No. 64 - Advertising and Signage
- SEPP No. 65 - Design Quality of Residential Flat Development
- SEPP (Affordable Rental Housing) 2009
- SEPP (Building Sustainability Index: BASIX) 2004
- SEPP (Educational Establishments and Child Care Facilities) 2017
- SEPP (Exempt and Complying Development Codes) 2008
- SEPP (Housing for Seniors or People with a Disability) 2004
- SEPP (Infrastructure) 2007
- SEPP (Mining, Petroleum Production and Extractive Industries) 2007
- SEPP (Miscellaneous Consent Provisions) 2007
- SEPP (Rural Lands) 2008
- SEPP (State and Regional Development) 2011
- SEPP (State Significant Precincts) 2005
- SEPP (Vegetation in Non-Rural Areas) 2017

- (2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Planning Secretary has notified the council that the making of the proposed instrument has been deferred indefinitely or has not been approved).

Draft LEP proposed under WWLEP 2010

LEP18/0012 proposes a Zoning boundary adjustment, to change the minimum lot size 7307 Holbrook Road.

LEP19/0004 - Brindabella Drive, Plumpton Road and Belmore Place - Amendment to Wagga Wagga Local Environmental Plan 2010, minimum lot size provisions

LEP19/0009 - Proposing to rezone land located at 64 Pearson St from RE1 Public Recreation Zone to B5 Business Development and SP2 Infrastructure Zone.

Draft DCP

Amendment for the management of additions, secondary dwellings and infill development within the heritage conservation area of central Wagga.

Amendment to preserve the character and mitigate traffic concerns along the Cooedong Laneway.

Draft SEPP

Draft Amendment to State Environmental Planning Policy No.70- Affordable Housing (Revised Scheme)

- (3) The name of each development control plan that applies to the carrying out of development on the land.

Wagga Wagga Development Control Plan 2010

- (4) In this clause, proposed environmental planning instrument includes a planning proposal for a LEP or a draft environmental planning instrument.

2 Zoning and land use under relevant LEPs

For each environmental planning instrument or proposed instrument referred to in clause 1 (other than a SEPP or proposed SEPP) that includes the land in any zone (however described):

- (a) the identity of the zone, whether by reference to a name (such as "Residential Zone" or "Heritage Area") or by reference to a number (such as "Zone No 2 (a)"),

B3 Commercial Core under WWLEP 2010:

Objectives of zone

- To provide a wide range of retail, business, office, entertainment, community and other suitable land uses that serve the needs of the local and wider community.
- To encourage appropriate employment opportunities in accessible locations.
- To maximise public transport patronage and encourage walking and cycling.
- To ensure the maintenance and improvement of the historic, architectural and aesthetic character of the commercial core area.

- (b) the purpose for which the instrument provides that development may be carried out within the zone without the need for development consent,

Home businesses; Home occupations; Roads

- (c) the purpose for which the instrument provides that development may not be carried out within the zone except with development consent,

Boarding houses; Centre-based child care facilities; Commercial premises; Community facilities; Educational establishments; Entertainment facilities; Function centres; Group homes; Helipads; Hostels; Hotel or motel accommodation; Information and education facilities; Medical centres; Oyster aquaculture; Passenger transport facilities; Recreation facilities (indoor); Registered clubs; Respite day care centres; Restricted premises; Self-storage units; Seniors housing; Shop top housing; Tank-based aquaculture; Warehouse or distribution centres; Any other development not specified in item 2 or 4

- (d) the purpose for which the instrument provides that development is prohibited within the zone,

Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Biosolids treatment facilities; Boat building and repair facilities; Boat sheds; Camping grounds; Caravan parks; Cemeteries; Charter and tourism boating facilities; Correctional centres; Crematoria; Eco-tourist facilities; Exhibition homes; Exhibition villages; Extractive industries; Farm buildings; Farm stay accommodation; Forestry; Freight transport facilities; Heavy industrial storage establishments; Highway service centres; Home occupations (sex services); Industrial training facilities; Industries; Marinas; Mooring pens; Moorings; Mortuaries; Pond-based aquaculture Recreation facilities (major); Recreation facilities (outdoor); Residential accommodation; Rural industries; Sewage treatment plants; Sex services premises; Storage premises; Transport depots; Truck depots; Waste or resource management facilities; Water recreation structures; Water recycling facilities; Water treatment facilities; Wharf or boating facilities

- (e) whether any development standards applying to the land fix minimum land dimensions for the erection of a dwelling-house on the land and, if so, the minimum land dimensions so fixed,
No
- (f) whether the land includes or comprises critical habitat,
No
- (g) whether the land is in a conservation area (however described),
Yes
- (h) whether an item of environmental heritage (however described) is situated on the land.
No

2A Zoning and land use under State Environmental Planning Policy (Sydney Region Growth Centres) 2006

Not Applicable

3 Complying Development

- (1) The extent to which the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A(1)(c) to (e), (2), (3) and (4), 1.18(1)(c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.
- (2) The extent to which complying development may not be carried out on that land because of the provisions of clauses 1.17A(1)(c) to (e), (2), (3) and (4), 1.18(1)(c3) and 1.19 of that Policy and the reasons why it may not be carried out under those clauses.
- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

In relation to clause 1.19 (5)(d) Council have insufficient information to identify significantly contaminated land within the meaning of the Contaminated Land Management Act 1997. Please refer to the EPA register of properties at <https://apps.epa.nsw.gov.au/prclmapp/searchregister.aspx>.

General Housing Code (R or RU Zones)

No, because the land is identified as a heritage conservation area or a draft heritage conservation area unless the development is a detached outbuilding, detached development (other than a detached studio) or swimming pool.

Rural Housing Code (R or RU Zones)

No, because the land is identified as a heritage conservation area or a draft heritage conservation area unless the development is a detached outbuilding, detached development (other than a detached studio) or swimming pool.

Housing Alterations Code

Yes

General Development Code

Yes

Commercial and Industrial Alterations Code

Yes

Commercial and Industrial (New Buildings and Additions) Code (B or IN Zones)

No, because the land is identified as a heritage conservation area or a draft heritage conservation area unless the development is a detached outbuilding, detached development (other than a detached studio) or swimming pool.

Subdivisions Code

Yes

Demolition Code

Yes

Fire Safety Code

Yes

4,4A (Repealed)

4B Annual charges under Local Government Act 1993 for coastal protection services that relate to existing coastal protection works

(N/A)

5 Mine subsidence

Whether or not the land is proclaimed to be a mine subsidence district within the meaning of the Coal Mine Subsidence Compensation Act 2017

No

6 Road widening and road realignment

Whether or not the land is affected by any road widening or road realignment under:

- (a) Division 2 or Part 3 of the Roads Act 1993, or
- (b) any environmental planning instrument, or
- (c) any resolution of the council.

No information available for the purpose of this certificate. Contact Council to obtain current information regarding potential road widening.

7 Council and other public authority policies on hazard risk restrictions

Whether or not the land is affected by a policy:

- (a) adopted by the council, or
- (a) adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the council,

that restricts the development of the land because of the likelihood of:

- land slip?
No
- bushfire?
No
- tidal inundation?
No
- subsidence?
No
- acid sulphate soils?
No
- any other risk (other than flooding)?
No

7A Flood related development controls information

- (1) Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls.
- (2) Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls.
- (3) Words and expressions in this clause have the same meanings as in the Standard Instrument.

Council considers the land to which this certificate applies to be below the 1% Average Recurrence Interval and therefore flood related development controls may apply. Property owners can review relevant information on the Wagga Online Mapping system (<http://www.wagga.nsw.gov.au/city-of-wagga-wagga/planning/online-services>).

Note:

This information is based on the 1:100 Riverine Model (2014). Council recently undertook a review of the Wagga Wagga City Council Flood Risk Management Study and Plan that was endorsed on 28 March 2018. Property owners are advised to contact Council to obtain current information regarding local flooding and are encouraged to seek independent flooding advice from a suitably qualified person. For more information see <http://wagga.nsw.gov.au/city-of-wagga-wagga/engineering-services/emergency-management/flood-management-studies-2>

The property is mapped as being impacted by overland flow. A study is currently being undertaken to determine Council's flood risk management policy relating to overland flow flooding. Until such time as Council has completed this work, property owners should contact Council to obtain current information regarding local overland flooding.

8 Land reserved for acquisition

Whether or not any environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 3.15 of the Act.

No

9 Contributions plans

The name of each contributions plan applying to the land.

Wagga Wagga Local Infrastructure Contributions Plan 2019-2034

City of Wagga Wagga - Developing Servicing Plan - Stormwater 2007

City of Wagga Wagga - Developing Servicing Plan No 1: Sewerage Services 2013

Riverina Water County Council (RWCC) is responsible for potable water supply within the Wagga Wagga City Council, Lockhart, Urana and Greater Hume Shire Council area. More information can be found on RWCC's website located at www.rwcc.nsw.gov.au

9A Biodiversity certified land

If the land is biodiversity certified land under Part 8 of the *Biodiversity Conservation Act 2016*, a statement to that effect.

Yes, this land is part of the Wagga Wagga Biodiversity Certified Land.

Note. Biodiversity certified land includes land certified under Part 7AA of the Threatened Species Conservation Act 1995 that is taken to be certified under Part 8 of the Biodiversity Conservation Act 2016.

10 Biodiversity stewardship sites

If the land is a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the Biodiversity Conservation Act 2016, a statement to

that effect (but only if the council has been notified of the existence of the agreement by the Chief Executive of the Office of Environment and Heritage).

No, Council has not been notified by the Director General of the Office of Environment and Heritage that an agreement exists on the subject land

Note: Biodiversity stewardship agreements include biobanking agreements under Part 7A of the [Threatened Species Conservation Act 1995](#) that are taken to be biodiversity stewardship agreements under Part 5 of the [Biodiversity Conservation Act 2016](#).

10A Native vegetation clearing set asides

If the land contains a set aside area under section 60ZC of the [Local Land Services Act 2013](#), a statement to that effect (but only if the council has been notified of the existence of the set aside area by Local Land Services or it is registered in the public register under that section).

No information available

11 Bush fire prone land

If any of the land is bush fire prone land (as defined in the Act), a statement that all or, as the case may be, some of the land is bush fire prone land.

If none of the land is bush fire prone land, a statement to that effect.

No

12 Property vegetation plans

If the land is land to which a property vegetation plan approved under Part 4 of the [Native Vegetation Act 2003](#) (and that continues in force) applies, a statement to that effect (but only if the council has been notified of the existence of the plan by the person or body that approved the plan under that Act).

No

13 Orders under Trees (Disputes Between Neighbours) Act 2006

Whether an order has been made under the Trees (Disputes Between Neighbours) Act 2006 to carry out work in relation to a tree on the land (but only if the council has been notified of the order).

No Information available

14 Directions under Part 3A

If there is a direction by the Minister in force under section 75P(2)(c1) of the Act that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect, a statement to that effect identifying the provision that does not have effect.

No information available

15 Site compatibility certificates and conditions for seniors housing

If the land is land to which [State Environmental Planning Policy \(Housing for Seniors or People with a Disability\) 2004](#) applies:

- (a) a statement of whether there is a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:
 - (i) the period for which the certificate is current, and

- (ii) that a copy may be obtained from the head office of the Department,
and
- (b) a statement setting out any terms of a kind referred to in clause 18(2) of that Policy that have been imposed as a condition of consent to a development application granted after 11 October 2007 in respect of the land.

No

16 Site compatibility certificates for infrastructure, schools or TAFE establishments

A statement of whether there is a valid site compatibility certificate (infrastructure) or site compatibility certificate (schools or TAFE establishments), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:

- (a) the period for which the certificate is valid, and
- (b) that a copy may be obtained from the head office of the Department.

No

17 Site compatibility certificates and conditions for affordable rental housing

- (1) A statement of whether there is a current site compatibility certificate (affordable rental housing), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:

- (a) the period for which the certificate is current, and
 - (b) that a copy may be obtained from the head office of the Department.

No

- (2) A statement setting out any terms of a kind referred to in clause 17(1) or 38(1) of State Environmental Planning Policy (Affordable Rental Housing) 2009 that have been imposed as a condition of consent to a development application in respect of the land.

No

18 Paper subdivision information

- (1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.
- (2) The date of any subdivision order that applies to the land.
- (3) Words and expressions used in this clause have the same meaning as they have in Part 16C of this Regulation.

No

19 Site verification certificates

A statement of whether there is a current site verification certificate, of which the council is aware, in respect of the land and, if there is a certificate, the statement is to include:

- (a) the matter certified by the certificate, and

No

Note. A site verification certificate sets out the Planning Secretary's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land—see Division 3 of Part 4AA of [State Environmental Planning Policy \(Mining, Petroleum Production and Extractive Industries\) 2007](#)

- (b) the date on which the certificate ceases to be current (if any), and
- (c) that a copy may be obtained from the head office of the Department.

20 Loose-fill asbestos insulation

If the land includes any residential premises (within the meaning of Division 1A of Part 8 of the Home Building Act 1989) that are listed on the register that is required to be maintained under that Division, a statement to that effect.

No information available. Contact NSW Fair Trading for more information.

21 Affected building notices and building product rectification orders

- (1) A statement of whether there is any affected building notice of which the council is aware that is in force in respect of the land.
No
- (2) A statement of:
 - (a) whether there is any building product rectification order of which the council is aware that is in force in respect of the land and has not been fully complied with, and
No
 - (b) whether any notice of intention to make a building product rectification order of which the council is aware has been given in respect of the land and is outstanding.
No
- (3) In this clause:
affected building notice has the same meaning as in Part 4 of the [Building Products \(Safety\) Act 2017](#).
building product rectification order has the same meaning as in the [Building Products \(Safety\) Act 2017](#).

Contaminated Land

The following matters are prescribed by section 59(2) of the [Contaminated Land Management Act 1997](#) as additional matters to be specified in a planning certificate:

- (a) that the land to which the certificate relates is significantly contaminated land within the meaning of that Act—if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued,
No, The land is not listed on the State Register for significantly contaminated land.
- (b) that the land to which the certificate relates is subject to a management order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued,
No, the land is not subject to an order.
- (c) that the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of that Act—if it is the subject of such an approved proposal at the date when the certificate is issued,
No, the land is not subject to a voluntary management proposal.
- (d) that the land to which the certificate relates is subject to an ongoing maintenance order within the meaning of that Act—if it is subject to such an order at the date when the certificate is issued,
No, the land is not subject to a voluntary management proposal.
- (e) that the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act—if a copy of such a statement has been provided at any time to the local authority issuing the certificate.
No

Notes:

In addition to the above, the site is not listed on Council's Register of potentially contaminated land. Property owners should conduct their own investigations to be satisfied that this property is not affected by land contamination.

Other Relevant Matters

S.10.7(5)

No general information is available other than that provided under section 10.7 (2). If you require research on a specific matter for the purpose of a S10.7(5) please contact us.



Vicky Tooze
Development Administration Officer

FOR:
GENERAL MANAGER

Annex G

Soil Analytical Results Summary Table

Table G1

Summary of Analytical Results and Comparison to the Adopted Assessment Criteria (mg/kg)
UPSS Area Investigation - 1 Simmons Street, Wagga Wagga, NSW

| Sample | EQL | TP1 | TP1 | TP2 | TP2 | TP4 | TP4 | TP6_E | TP6_W | TP7 | TP8 | Assessment Criteria |
|--|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|
| Depth (m) | | 0.3-0.4 | 0.7-0.8 | 0.3-0.4 | 0.9-1.0 | 0.6-0.7 | 1.3-1.4 | 0.9-1.0 | 0.6-0.7 | 1.5-1.6 | 0.8-0.9 | NEPM (2013) |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | HILA / HSLA |
| BTEX | | | | | | | | | | | | |
| Benzene | 0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 1 |
| Toluene | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 85 |
| Ethylbenzene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 55 |
| m+p-xylene | 2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | - |
| o-Xylene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | - |
| naphthalene | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | - |
| Total +ve Xylenes | 3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | <3 | 40 |
| Total Recoverable Hydrocarbons (TRH) | | | | | | | | | | | | |
| TRH C6 - C10 | 25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | - |
| TPH C6 - C10 less BTEX (F1) | 25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | 45 |
| TRH >C10-C16 | 50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | - |
| TRH >C10 - C16less Naphthalene (F2) | 50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 110 |
| TRH >C16-C34 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | 310 | 260 | <100 | <100 | NL |
| TRH >C34-C40 | 100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | NL |
| Total +ve TRH (>C10-C40) | 50 | <50 | <50 | <50 | <50 | <50 | <50 | 310 | 260 | <50 | <50 | - |
| Polycyclic Aromatic Hydrocarbons (PAHs) | | | | | | | | | | | | |
| Naphthalene | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | - |
| Acenaphthylene | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.2 | 0.4 | 0.5 | 0.1 | - |
| Acenaphthene | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | - |
| Fluorene | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.2 | 0.2 | <0.1 | - |
| Phenanthrene | 0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 1.4 | 2.4 | 2.1 | 0.4 | - |
| Anthracene | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.4 | 0.6 | 0.6 | 0.2 | - |
| Fluoranthene | 0.1 | 0.2 | <0.1 | 0.1 | <0.1 | 0.1 | <0.1 | 3.9 | 2.8 | 3.3 | 0.9 | - |
| Pyrene | 0.1 | 0.3 | <0.1 | 0.1 | <0.1 | 0.1 | <0.1 | 3.6 | 2.6 | 3.5 | 0.9 | - |
| Benzo(a)anthracene | 0.1 | 0.3 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 2.5 | 1.6 | 2 | 0.6 | - |
| Chrysene | 0.1 | 0.3 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 2.6 | 1.4 | 1.8 | 0.6 | - |
| Benzo(b,j,k)fluoranthene | 0.2 | 0.5 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 3.9 | 2 | 2.4 | 0.7 | - |
| Benzo(a)pyrene | 0.05 | 0.3 | <0.05 | 0.08 | <0.05 | 0.06 | <0.05 | 1.7 | 1.1 | 1.7 | 0.4 | - |
| Indeno(1,2,3-c,d)pyrene | 0.1 | 0.2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 1.3 | 0.5 | 0.7 | 0.2 | - |
| Dibenzo(a,h)anthracene | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.4 | 0.2 | 0.2 | <0.1 | - |
| Benzo(g,h,i)perylene | 0.1 | 0.2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 1.6 | 0.6 | 0.8 | 0.2 | - |
| Total +vePAH's | 0.05 | 2.3 | <0.05 | 0.3 | <0.05 | 0.3 | <0.05 | 24 | 16 | 20 | 5.3 | 300 |
| Benzo(a)pyrene TEQ calc (zero) | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2.9 | 1.7 | 2.5 | 0.6 | 3 |
| Benzo(a)pyrene TEQ calc(half) | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2.9 | 1.7 | 2.5 | 0.6 | 3 |
| Benzo(a)pyrene TEQ calc(PQL) | 0.5 | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2.9 | 1.7 | 2.5 | 0.7 | 3 |
| Metals | | | | | | | | | | | | |
| Arsenic | 4 | 4 | <4 | <4 | <4 | <4 | <4 | 6 | 17 | 9 | 4 | 100 |
| Cadmium | 0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | 0.5 | <0.4 | <0.4 | 20 |
| Chromium | 1 | 12 | 17 | 8 | 24 | 11 | 15 | 7 | 11 | 17 | 13 | 100 |
| Copper | 1 | 16 | 10 | 11 | 12 | 11 | 9 | 30 | 27 | 22 | 16 | 6000 |
| Lead | 1 | 150 | 9 | 110 | 11 | 91 | 9 | 450 | 350 | 180 | 300 | 300 |
| Mercury | 0.1 | 0.7 | <0.1 | 0.6 | <0.1 | 0.4 | <0.1 | 0.2 | 0.6 | 0.8 | 0.9 | 40 |
| Nickel | 1 | 10 | 14 | 6 | 18 | 10 | 13 | 9 | 13 | 12 | 10 | 400 |
| Zinc | 1 | 73 | 27 | 59 | 34 | 54 | 28 | 150 | 370 | 160 | 110 | 7400 |

Shaded cell indicates concentration exceeds assessment criteria

Annex H

Laboratory Certificate of Analysis

SAMPLE RECEIPT ADVICE

Client Details

| | |
|------------------|-----------------------|
| Client | Ground Doctor Pty Ltd |
| Attention | James Morrow |

Sample Login Details

| | |
|---|---|
| Your reference | UPSS Test Pit Assessment - 1 Simmons St Wagga Wagga |
| Envirolab Reference | 250872 |
| Date Sample Received | 10/09/2020 |
| Date Instructions Received | 10/09/2020 |
| Date Results Expected to be Reported | 17/09/2020 |

Sample Condition

| | |
|---|---------------------|
| Samples received in appropriate condition for analysis | Yes |
| No. of Samples Provided | 12 SOIL, 2 MATERIAL |
| Turnaround Time Requested | Standard |
| Temperature on Receipt (°C) | 4 |
| Cooling Method | Ice |
| Sampling Date Provided | YES |

Comments

TS & TB missing

Please direct any queries to:

| Aileen Hie | Jacinta Hurst |
|-------------------------------------|---------------------------------------|
| Phone: 02 9910 6200 | Phone: 02 9910 6200 |
| Fax: 02 9910 6201 | Fax: 02 9910 6201 |
| Email: ahie@envirolab.com.au | Email: jhurst@envirolab.com.au |

Analysis Underway, details on the following page:



Envirolab Services Pty Ltd

ABN 37 112 535 645

12 Ashley St Chatswood NSW 2067

ph 02 9910 6200 fax 02 9910 6201

customerservice@envirolab.com.au

www.envirolab.com.au

| Sample ID | VTRH(C6-C10)/BTEXN in Soil | svTRH (C10-C40) in Soil | PAHs in Soil | Acid Extractable metals in soil | Asbestos ID - materials |
|---------------|----------------------------|-------------------------|--------------|---------------------------------|-------------------------|
| TP1-0.3-0.4 | ✓ | ✓ | ✓ | ✓ | |
| TP1-0.7-0.8 | ✓ | ✓ | ✓ | ✓ | |
| TP2-0.3-0.4 | ✓ | ✓ | ✓ | ✓ | |
| TP2-0.9-1.0 | ✓ | ✓ | ✓ | ✓ | |
| TP4-0.6-0.7 | ✓ | ✓ | ✓ | ✓ | |
| TP4-1.3-1.4 | ✓ | ✓ | ✓ | ✓ | |
| TP6_E-0.9-1.0 | ✓ | ✓ | ✓ | ✓ | |
| TP6_W-0.6-0.7 | ✓ | ✓ | ✓ | ✓ | |
| TP7-1.5-1.6 | ✓ | ✓ | ✓ | ✓ | |
| TP8-0.8-0.9 | ✓ | ✓ | ✓ | ✓ | |
| DUP A | ✓ | ✓ | ✓ | ✓ | |
| DUP B | ✓ | ✓ | ✓ | ✓ | |
| PACM1 | | | | | ✓ |
| PACM2 | | | | | ✓ |

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

CERTIFICATE OF ANALYSIS 250872

Client Details

| | |
|------------------|-------------------------------|
| Client | Ground Doctor Pty Ltd |
| Attention | James Morrow |
| Address | PO Box 6278, Dubbo, NSW, 2830 |

Sample Details

| | |
|---|--|
| Your Reference | <u>UPSS Test Pit Assessment - 1 Simmons St Wagga Wagga</u> |
| Number of Samples | 12 SOIL, 2 MATERIAL |
| Date samples received | 10/09/2020 |
| Date completed instructions received | 10/09/2020 |

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

| | |
|---|------------|
| Date results requested by | 17/09/2020 |
| Date of Issue | 16/09/2020 |
| NATA Accreditation Number 2901. This document shall not be reproduced except in full. | |
| Accredited for compliance with ISO/IEC 17025 - Testing. Tests not covered by NATA are denoted with * | |

Asbestos Approved By

Analysed by Asbestos Approved Identifier: Wonnie Condos
 Authorised by Asbestos Approved Signatory: Lucy Zhu

Results Approved By

Hannah Nguyen, Senior Chemist
 Josh Williams, Senior Chemist
 Lucy Zhu, Asbestos Supervisor
 Steven Luong, Organics Supervisor

Authorised By



Nancy Zhang, Laboratory Manager

vTRH(C6-C10)/BTEXN in Soil

| | | | | | | |
|--|-------|------------|------------|------------|------------|------------|
| Our Reference | | 250872-1 | 250872-2 | 250872-3 | 250872-4 | 250872-5 |
| Your Reference | UNITS | TP1 | TP1 | TP2 | TP2 | TP4 |
| Depth | | 0.3-0.4 | 0.7-0.8 | 0.3-0.4 | 0.9-1.0 | 0.6-0.7 |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL | SOIL | SOIL | SOIL |
| Date extracted | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| TRH C ₆ - C ₉ | mg/kg | <25 | <25 | <25 | <25 | <25 |
| TRH C ₆ - C ₁₀ | mg/kg | <25 | <25 | <25 | <25 | <25 |
| vTPH C ₆ - C ₁₀ less BTEX (F1) | mg/kg | <25 | <25 | <25 | <25 | <25 |
| Benzene | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | mg/kg | <1 | <1 | <1 | <1 | <1 |
| m+p-xylene | mg/kg | <2 | <2 | <2 | <2 | <2 |
| o-Xylene | mg/kg | <1 | <1 | <1 | <1 | <1 |
| naphthalene | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Total +ve Xylenes | mg/kg | <3 | <3 | <3 | <3 | <3 |
| Surrogate aaa-Trifluorotoluene | % | 96 | 88 | 87 | 91 | 90 |

vTRH(C6-C10)/BTEXN in Soil

| | | | | | | |
|--|-------|------------|------------|------------|------------|------------|
| Our Reference | | 250872-6 | 250872-7 | 250872-8 | 250872-9 | 250872-10 |
| Your Reference | UNITS | TP4 | TP6_E | TP6_W | TP7 | TP8 |
| Depth | | 1.3-1.4 | 0.9-1.0 | 0.6-0.7 | 1.5-1.6 | 0.8-0.9 |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL | SOIL | SOIL | SOIL |
| Date extracted | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| TRH C ₆ - C ₉ | mg/kg | <25 | <25 | <25 | <25 | <25 |
| TRH C ₆ - C ₁₀ | mg/kg | <25 | <25 | <25 | <25 | <25 |
| vTPH C ₆ - C ₁₀ less BTEX (F1) | mg/kg | <25 | <25 | <25 | <25 | <25 |
| Benzene | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | mg/kg | <1 | <1 | <1 | <1 | <1 |
| m+p-xylene | mg/kg | <2 | <2 | <2 | <2 | <2 |
| o-Xylene | mg/kg | <1 | <1 | <1 | <1 | <1 |
| naphthalene | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Total +ve Xylenes | mg/kg | <3 | <3 | <3 | <3 | <3 |
| Surrogate aaa-Trifluorotoluene | % | 90 | 85 | 88 | 92 | 87 |

| vTRH(C6-C10)/BTEXN in Soil | | | |
|--|-------|------------|------------|
| Our Reference | | 250872-11 | 250872-12 |
| Your Reference | UNITS | DUP A | DUP B |
| Depth | | - | - |
| Date Sampled | | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL |
| Date extracted | - | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 11/09/2020 | 11/09/2020 |
| TRH C ₆ - C ₉ | mg/kg | <25 | <25 |
| TRH C ₆ - C ₁₀ | mg/kg | <25 | <25 |
| vTPH C ₆ - C ₁₀ less BTEX (F1) | mg/kg | <25 | <25 |
| Benzene | mg/kg | <0.2 | <0.2 |
| Toluene | mg/kg | <0.5 | <0.5 |
| Ethylbenzene | mg/kg | <1 | <1 |
| m+p-xylene | mg/kg | <2 | <2 |
| o-Xylene | mg/kg | <1 | <1 |
| naphthalene | mg/kg | <1 | <1 |
| Total +ve Xylenes | mg/kg | <3 | <3 |
| Surrogate aaa-Trifluorotoluene | % | 94 | 88 |

| svTRH (C10-C40) in Soil | | | | | | |
|--|-------|------------|------------|------------|------------|------------|
| Our Reference | UNITS | 250872-1 | 250872-2 | 250872-3 | 250872-4 | 250872-5 |
| Your Reference | | TP1 | TP1 | TP2 | TP2 | TP4 |
| Depth | | 0.3-0.4 | 0.7-0.8 | 0.3-0.4 | 0.9-1.0 | 0.6-0.7 |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL | SOIL | SOIL | SOIL |
| Date extracted | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 16/09/2020 | 16/09/2020 | 16/09/2020 | 16/09/2020 | 16/09/2020 |
| TRH C ₁₀ - C ₁₄ | mg/kg | <50 | <50 | <50 | <50 | <50 |
| TRH C ₁₅ - C ₂₈ | mg/kg | <100 | <100 | <100 | <100 | <100 |
| TRH C ₂₉ - C ₃₆ | mg/kg | <100 | <100 | <100 | <100 | <100 |
| TRH >C ₁₀ -C ₁₆ | mg/kg | <50 | <50 | <50 | <50 | <50 |
| TRH >C ₁₀ - C ₁₆ less Naphthalene (F2) | mg/kg | <50 | <50 | <50 | <50 | <50 |
| TRH >C ₁₆ -C ₃₄ | mg/kg | <100 | <100 | <100 | <100 | <100 |
| TRH >C ₃₄ -C ₄₀ | mg/kg | <100 | <100 | <100 | <100 | <100 |
| Total +ve TRH (>C10-C40) | mg/kg | <50 | <50 | <50 | <50 | <50 |
| Surrogate o-Terphenyl | % | 85 | 85 | 79 | 87 | 81 |

| svTRH (C10-C40) in Soil | | | | | | |
|--|-------|------------|------------|------------|------------|------------|
| Our Reference | UNITS | 250872-6 | 250872-7 | 250872-8 | 250872-9 | 250872-10 |
| Your Reference | | TP4 | TP6_E | TP6_W | TP7 | TP8 |
| Depth | | 1.3-1.4 | 0.9-1.0 | 0.6-0.7 | 1.5-1.6 | 0.8-0.9 |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL | SOIL | SOIL | SOIL |
| Date extracted | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 16/09/2020 | 16/09/2020 | 16/09/2020 | 16/09/2020 | 16/09/2020 |
| TRH C ₁₀ - C ₁₄ | mg/kg | <50 | <50 | <50 | <50 | <50 |
| TRH C ₁₅ - C ₂₈ | mg/kg | <100 | 200 | 180 | <100 | <100 |
| TRH C ₂₉ - C ₃₆ | mg/kg | <100 | 130 | 130 | <100 | <100 |
| TRH >C ₁₀ -C ₁₆ | mg/kg | <50 | <50 | <50 | <50 | <50 |
| TRH >C ₁₀ - C ₁₆ less Naphthalene (F2) | mg/kg | <50 | <50 | <50 | <50 | <50 |
| TRH >C ₁₆ -C ₃₄ | mg/kg | <100 | 310 | 260 | <100 | <100 |
| TRH >C ₃₄ -C ₄₀ | mg/kg | <100 | <100 | <100 | <100 | <100 |
| Total +ve TRH (>C10-C40) | mg/kg | <50 | 310 | 260 | <50 | <50 |
| Surrogate o-Terphenyl | % | 82 | 99 | 107 | 90 | 89 |

| svTRH (C10-C40) in Soil | | | |
|--|-------|------------|------------|
| Our Reference | | 250872-11 | 250872-12 |
| Your Reference | UNITS | DUP A | DUP B |
| Depth | | - | - |
| Date Sampled | | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL |
| Date extracted | - | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 16/09/2020 | 16/09/2020 |
| TRH C ₁₀ - C ₁₄ | mg/kg | <50 | <50 |
| TRH C ₁₅ - C ₂₈ | mg/kg | <100 | <100 |
| TRH C ₂₉ - C ₃₆ | mg/kg | <100 | <100 |
| TRH >C ₁₀ -C ₁₆ | mg/kg | <50 | 61 |
| TRH >C ₁₀ - C ₁₆ less Naphthalene (F2) | mg/kg | <50 | 61 |
| TRH >C ₁₆ -C ₃₄ | mg/kg | <100 | <100 |
| TRH >C ₃₄ -C ₄₀ | mg/kg | <100 | <100 |
| Total +ve TRH (>C10-C40) | mg/kg | <50 | 60 |
| Surrogate o-Terphenyl | % | 85 | 100 |

| PAHs in Soil | | | | | | |
|--------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference | | 250872-1 | 250872-2 | 250872-3 | 250872-4 | 250872-5 |
| Your Reference | UNITS | TP1 | TP1 | TP2 | TP2 | TP4 |
| Depth | | 0.3-0.4 | 0.7-0.8 | 0.3-0.4 | 0.9-1.0 | 0.6-0.7 |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL | SOIL | SOIL | SOIL |
| Date extracted | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Naphthalene | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Acenaphthylene | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Acenaphthene | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Fluorene | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Phenanthrene | mg/kg | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Anthracene | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Fluoranthene | mg/kg | 0.2 | <0.1 | 0.1 | <0.1 | 0.1 |
| Pyrene | mg/kg | 0.3 | <0.1 | 0.1 | <0.1 | 0.1 |
| Benzo(a)anthracene | mg/kg | 0.3 | <0.1 | <0.1 | <0.1 | <0.1 |
| Chrysene | mg/kg | 0.3 | <0.1 | <0.1 | <0.1 | <0.1 |
| Benzo(b,j+k)fluoranthene | mg/kg | 0.5 | <0.2 | <0.2 | <0.2 | <0.2 |
| Benzo(a)pyrene | mg/kg | 0.3 | <0.05 | 0.08 | <0.05 | 0.06 |
| Indeno(1,2,3-c,d)pyrene | mg/kg | 0.2 | <0.1 | <0.1 | <0.1 | <0.1 |
| Dibenzo(a,h)anthracene | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Benzo(g,h,i)perylene | mg/kg | 0.2 | <0.1 | <0.1 | <0.1 | <0.1 |
| Total +ve PAH's | mg/kg | 2.3 | <0.05 | 0.3 | <0.05 | 0.3 |
| Benzo(a)pyrene TEQ calc (zero) | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene TEQ calc(half) | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene TEQ calc(PQL) | mg/kg | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Surrogate p-Terphenyl-d14 | % | 103 | 99 | 101 | 108 | 103 |

| PAHs in Soil | | | | | | |
|--------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference | | 250872-6 | 250872-7 | 250872-8 | 250872-9 | 250872-10 |
| Your Reference | UNITS | TP4 | TP6_E | TP6_W | TP7 | TP8 |
| Depth | | 1.3-1.4 | 0.9-1.0 | 0.6-0.7 | 1.5-1.6 | 0.8-0.9 |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL | SOIL | SOIL | SOIL |
| Date extracted | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Naphthalene | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Acenaphthylene | mg/kg | <0.1 | 0.2 | 0.4 | 0.5 | 0.1 |
| Acenaphthene | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Fluorene | mg/kg | <0.1 | <0.1 | 0.2 | 0.2 | <0.1 |
| Phenanthrene | mg/kg | <0.1 | 1.4 | 2.4 | 2.1 | 0.4 |
| Anthracene | mg/kg | <0.1 | 0.4 | 0.6 | 0.6 | 0.2 |
| Fluoranthene | mg/kg | <0.1 | 3.9 | 2.8 | 3.3 | 0.9 |
| Pyrene | mg/kg | <0.1 | 3.6 | 2.6 | 3.5 | 0.9 |
| Benzo(a)anthracene | mg/kg | <0.1 | 2.5 | 1.6 | 2.0 | 0.6 |
| Chrysene | mg/kg | <0.1 | 2.6 | 1.4 | 1.8 | 0.6 |
| Benzo(b,j+k)fluoranthene | mg/kg | <0.2 | 3.9 | 2 | 2.4 | 0.7 |
| Benzo(a)pyrene | mg/kg | <0.05 | 1.7 | 1.1 | 1.7 | 0.4 |
| Indeno(1,2,3-c,d)pyrene | mg/kg | <0.1 | 1.3 | 0.5 | 0.7 | 0.2 |
| Dibenzo(a,h)anthracene | mg/kg | <0.1 | 0.4 | 0.2 | 0.2 | <0.1 |
| Benzo(g,h,i)perylene | mg/kg | <0.1 | 1.6 | 0.6 | 0.8 | 0.2 |
| Total +ve PAH's | mg/kg | <0.05 | 24 | 16 | 20 | 5.3 |
| Benzo(a)pyrene TEQ calc (zero) | mg/kg | <0.5 | 2.9 | 1.7 | 2.5 | 0.6 |
| Benzo(a)pyrene TEQ calc(half) | mg/kg | <0.5 | 2.9 | 1.7 | 2.5 | 0.6 |
| Benzo(a)pyrene TEQ calc(PQL) | mg/kg | <0.5 | 2.9 | 1.7 | 2.5 | 0.7 |
| Surrogate p-Terphenyl-d14 | % | 101 | 103 | 102 | 96 | 100 |

| PAHs in Soil | | | |
|-----------------------------------|-------|------------|------------|
| Our Reference | | 250872-11 | 250872-12 |
| Your Reference | UNITS | DUP A | DUP B |
| Depth | | - | - |
| Date Sampled | | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL |
| Date extracted | - | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 11/09/2020 | 11/09/2020 |
| Naphthalene | mg/kg | <0.1 | <0.1 |
| Acenaphthylene | mg/kg | <0.1 | <0.1 |
| Acenaphthene | mg/kg | <0.1 | <0.1 |
| Fluorene | mg/kg | <0.1 | <0.1 |
| Phenanthrene | mg/kg | <0.1 | <0.1 |
| Anthracene | mg/kg | <0.1 | <0.1 |
| Fluoranthene | mg/kg | <0.1 | <0.1 |
| Pyrene | mg/kg | <0.1 | <0.1 |
| Benzo(a)anthracene | mg/kg | <0.1 | <0.1 |
| Chrysene | mg/kg | <0.1 | <0.1 |
| Benzo(b,j+k)fluoranthene | mg/kg | <0.2 | <0.2 |
| Benzo(a)pyrene | mg/kg | <0.05 | <0.05 |
| Indeno(1,2,3-c,d)pyrene | mg/kg | <0.1 | <0.1 |
| Dibenzo(a,h)anthracene | mg/kg | <0.1 | <0.1 |
| Benzo(g,h,i)perylene | mg/kg | <0.1 | <0.1 |
| Total +ve PAH's | mg/kg | <0.05 | <0.05 |
| Benzo(a)pyrene TEQ calc (zero) | mg/kg | <0.5 | <0.5 |
| Benzo(a)pyrene TEQ calc(half) | mg/kg | <0.5 | <0.5 |
| Benzo(a)pyrene TEQ calc(PQL) | mg/kg | <0.5 | <0.5 |
| Surrogate <i>p</i> -Terphenyl-d14 | % | 102 | 98 |

| Acid Extractable metals in soil | | | | | | |
|---------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference | UNITS | 250872-1 | 250872-2 | 250872-3 | 250872-4 | 250872-5 |
| Your Reference | | TP1 | TP1 | TP2 | TP2 | TP4 |
| Depth | | 0.3-0.4 | 0.7-0.8 | 0.3-0.4 | 0.9-1.0 | 0.6-0.7 |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL | SOIL | SOIL | SOIL |
| Date prepared | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Arsenic | mg/kg | 4 | <4 | <4 | <4 | <4 |
| Cadmium | mg/kg | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 |
| Chromium | mg/kg | 12 | 17 | 8 | 24 | 11 |
| Copper | mg/kg | 16 | 10 | 11 | 12 | 11 |
| Lead | mg/kg | 150 | 9 | 110 | 11 | 91 |
| Mercury | mg/kg | 0.7 | <0.1 | 0.6 | <0.1 | 0.4 |
| Nickel | mg/kg | 10 | 14 | 6 | 18 | 10 |
| Zinc | mg/kg | 73 | 27 | 59 | 34 | 54 |

| Acid Extractable metals in soil | | | | | | |
|---------------------------------|-------|------------|------------|------------|------------|------------|
| Our Reference | UNITS | 250872-6 | 250872-7 | 250872-8 | 250872-9 | 250872-10 |
| Your Reference | | TP4 | TP6_E | TP6_W | TP7 | TP8 |
| Depth | | 1.3-1.4 | 0.9-1.0 | 0.6-0.7 | 1.5-1.6 | 0.8-0.9 |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL | SOIL | SOIL | SOIL |
| Date prepared | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Arsenic | mg/kg | <4 | 6 | 17 | 9 | 4 |
| Cadmium | mg/kg | <0.4 | <0.4 | 0.5 | <0.4 | <0.4 |
| Chromium | mg/kg | 15 | 7 | 11 | 17 | 13 |
| Copper | mg/kg | 9 | 30 | 27 | 22 | 16 |
| Lead | mg/kg | 9 | 450 | 350 | 180 | 300 |
| Mercury | mg/kg | <0.1 | 0.2 | 0.6 | 0.8 | 0.9 |
| Nickel | mg/kg | 13 | 9 | 13 | 12 | 10 |
| Zinc | mg/kg | 28 | 150 | 370 | 160 | 110 |

| Acid Extractable metals in soil | | | |
|---------------------------------|-------|------------|------------|
| Our Reference | | 250872-11 | 250872-12 |
| Your Reference | UNITS | DUP A | DUP B |
| Depth | | - | - |
| Date Sampled | | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL |
| Date prepared | - | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 11/09/2020 | 11/09/2020 |
| Arsenic | mg/kg | <4 | <4 |
| Cadmium | mg/kg | <0.4 | <0.4 |
| Chromium | mg/kg | 21 | 19 |
| Copper | mg/kg | 11 | 10 |
| Lead | mg/kg | 10 | 10 |
| Mercury | mg/kg | <0.1 | <0.1 |
| Nickel | mg/kg | 16 | 16 |
| Zinc | mg/kg | 31 | 33 |

| Moisture | | | | | | |
|----------------|-------|------------|------------|------------|------------|------------|
| Our Reference | UNITS | 250872-1 | 250872-2 | 250872-3 | 250872-4 | 250872-5 |
| Your Reference | | TP1 | TP1 | TP2 | TP2 | TP4 |
| Depth | | 0.3-0.4 | 0.7-0.8 | 0.3-0.4 | 0.9-1.0 | 0.6-0.7 |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL | SOIL | SOIL | SOIL |
| Date prepared | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 14/09/2020 | 14/09/2020 | 14/09/2020 | 14/09/2020 | 14/09/2020 |
| Moisture | % | 21 | 9.9 | 9.7 | 14 | 17 |

| Moisture | | | | | | |
|----------------|-------|------------|------------|------------|------------|------------|
| Our Reference | UNITS | 250872-6 | 250872-7 | 250872-8 | 250872-9 | 250872-10 |
| Your Reference | | TP4 | TP6_E | TP6_W | TP7 | TP8 |
| Depth | | 1.3-1.4 | 0.9-1.0 | 0.6-0.7 | 1.5-1.6 | 0.8-0.9 |
| Date Sampled | | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL | SOIL | SOIL | SOIL |
| Date prepared | - | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 14/09/2020 | 14/09/2020 | 14/09/2020 | 14/09/2020 | 14/09/2020 |
| Moisture | % | 17 | 20 | 25 | 15 | 18 |

| Moisture | | | |
|----------------|-------|------------|------------|
| Our Reference | UNITS | 250872-11 | 250872-12 |
| Your Reference | | DUP A | DUP B |
| Depth | | - | - |
| Date Sampled | | 8/09/2020 | 8/09/2020 |
| Type of sample | | SOIL | SOIL |
| Date prepared | - | 11/09/2020 | 11/09/2020 |
| Date analysed | - | 14/09/2020 | 14/09/2020 |
| Moisture | % | 14 | 16 |

| Asbestos ID - materials | | | |
|----------------------------|-------|------------------------------|--|
| Our Reference | UNITS | 250872-13 | 250872-14 |
| Your Reference | | PACM1 | PACM2 |
| Depth | | - | - |
| Date Sampled | | 8/09/2020 | 8/09/2020 |
| Type of sample | | MATERIAL | MATERIAL |
| Date analysed | - | 15/09/2020 | 15/09/2020 |
| Mass / Dimension of Sample | - | 60x30x4mm | 90x40x5mm |
| Sample Description | - | Beige fibre cement material | Beige fibre cement material |
| Asbestos ID in materials | - | Chrysotile asbestos detected | Chrysotile asbestos detected Amosite asbestos detected Crocidolite asbestos detected |
| Trace Analysis | - | [NT] | [NT] |

| Method ID | Methodology Summary |
|--------------------|---|
| ASB-001 | Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004. |
| Inorg-008 | Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours. |
| Metals-020 | Determination of various metals by ICP-AES. |
| Metals-021 | Determination of Mercury by Cold Vapour AAS. |
| Org-020 | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. |
| Org-020 | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40). |
| Org-022/025 | Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL' values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero' values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL' values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs. |
| Org-023 | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. |
| Org-023 | Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. |

| Method ID | Methodology Summary |
|-----------|--|
| Org-023 | <p>Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.</p> <p>Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.</p> |

Client Reference: UPSS Test Pit Assessment - 1 Simmons St Wagga Wagga

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil | | | | | | Duplicate | | | Spike Recovery % | |
|---|-------|-----|---------|------------|---|------------|------------|-----|------------------|------------|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-8 | 250872-2 |
| Date extracted | - | | | 11/09/2020 | 1 | 11/09/2020 | 11/09/2020 | | 11/09/2020 | 11/09/2020 |
| Date analysed | - | | | 11/09/2020 | 1 | 11/09/2020 | 11/09/2020 | | 11/09/2020 | 11/09/2020 |
| TRH C ₆ - C ₉ | mg/kg | 25 | Org-023 | <25 | 1 | <25 | <25 | 0 | 98 | 90 |
| TRH C ₆ - C ₁₀ | mg/kg | 25 | Org-023 | <25 | 1 | <25 | <25 | 0 | 98 | 90 |
| Benzene | mg/kg | 0.2 | Org-023 | <0.2 | 1 | <0.2 | <0.2 | 0 | 95 | 91 |
| Toluene | mg/kg | 0.5 | Org-023 | <0.5 | 1 | <0.5 | <0.5 | 0 | 95 | 85 |
| Ethylbenzene | mg/kg | 1 | Org-023 | <1 | 1 | <1 | <1 | 0 | 91 | 84 |
| m+p-xylene | mg/kg | 2 | Org-023 | <2 | 1 | <2 | <2 | 0 | 104 | 94 |
| o-Xylene | mg/kg | 1 | Org-023 | <1 | 1 | <1 | <1 | 0 | 92 | 87 |
| naphthalene | mg/kg | 1 | Org-023 | <1 | 1 | <1 | <1 | 0 | [NT] | [NT] |
| Surrogate aaa-Trifluorotoluene | % | | Org-023 | 98 | 1 | 96 | 89 | 8 | 88 | 96 |

| QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil | | | | | | Duplicate | | | Spike Recovery % | |
|---|-------|-----|---------|-------|----|------------|------------|-----|------------------|------|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | [NT] | [NT] |
| Date extracted | - | | | [NT] | 12 | 11/09/2020 | 11/09/2020 | | [NT] | [NT] |
| Date analysed | - | | | [NT] | 12 | 11/09/2020 | 11/09/2020 | | [NT] | [NT] |
| TRH C ₆ - C ₉ | mg/kg | 25 | Org-023 | [NT] | 12 | <25 | <25 | 0 | [NT] | [NT] |
| TRH C ₆ - C ₁₀ | mg/kg | 25 | Org-023 | [NT] | 12 | <25 | <25 | 0 | [NT] | [NT] |
| Benzene | mg/kg | 0.2 | Org-023 | [NT] | 12 | <0.2 | <0.2 | 0 | [NT] | [NT] |
| Toluene | mg/kg | 0.5 | Org-023 | [NT] | 12 | <0.5 | <0.5 | 0 | [NT] | [NT] |
| Ethylbenzene | mg/kg | 1 | Org-023 | [NT] | 12 | <1 | <1 | 0 | [NT] | [NT] |
| m+p-xylene | mg/kg | 2 | Org-023 | [NT] | 12 | <2 | <2 | 0 | [NT] | [NT] |
| o-Xylene | mg/kg | 1 | Org-023 | [NT] | 12 | <1 | <1 | 0 | [NT] | [NT] |
| naphthalene | mg/kg | 1 | Org-023 | [NT] | 12 | <1 | <1 | 0 | [NT] | [NT] |
| Surrogate aaa-Trifluorotoluene | % | | Org-023 | [NT] | 12 | 88 | 88 | 0 | [NT] | [NT] |

Client Reference: UPSS Test Pit Assessment - 1 Simmons St Wagga Wagga

| QUALITY CONTROL: svTRH (C10-C40) in Soil | | | | | Duplicate | | | Spike Recovery % | | |
|--|-------|-----|---------|------------|-----------|------------|------------|------------------|------------|------------|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-8 | 250872-2 |
| Date extracted | - | | | 11/09/2020 | 1 | 11/09/2020 | 11/09/2020 | | 11/09/2020 | 11/09/2020 |
| Date analysed | - | | | 16/09/2020 | 1 | 16/09/2020 | 16/09/2020 | | 16/09/2020 | 16/09/2020 |
| TRH C ₁₀ - C ₁₄ | mg/kg | 50 | Org-020 | <50 | 1 | <50 | <50 | 0 | 65 | 93 |
| TRH C ₁₅ - C ₂₈ | mg/kg | 100 | Org-020 | <100 | 1 | <100 | <100 | 0 | 61 | 90 |
| TRH C ₂₉ - C ₃₆ | mg/kg | 100 | Org-020 | <100 | 1 | <100 | <100 | 0 | 77 | 85 |
| TRH >C ₁₀ -C ₁₆ | mg/kg | 50 | Org-020 | <50 | 1 | <50 | <50 | 0 | 65 | 93 |
| TRH >C ₁₆ -C ₃₄ | mg/kg | 100 | Org-020 | <100 | 1 | <100 | <100 | 0 | 61 | 90 |
| TRH >C ₃₄ -C ₄₀ | mg/kg | 100 | Org-020 | <100 | 1 | <100 | <100 | 0 | 77 | 85 |
| Surrogate o-Terphenyl | % | | Org-020 | 80 | 1 | 85 | 89 | 5 | 92 | 129 |

| QUALITY CONTROL: svTRH (C10-C40) in Soil | | | | | Duplicate | | | Spike Recovery % | | |
|--|-------|-----|---------|-------|-----------|------------|------------|------------------|------|------|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | [NT] | [NT] |
| Date extracted | - | | | [NT] | 12 | 11/09/2020 | 11/09/2020 | | [NT] | [NT] |
| Date analysed | - | | | [NT] | 12 | 16/09/2020 | 16/09/2020 | | [NT] | [NT] |
| TRH C ₁₀ - C ₁₄ | mg/kg | 50 | Org-020 | [NT] | 12 | <50 | <50 | 0 | [NT] | [NT] |
| TRH C ₁₅ - C ₂₈ | mg/kg | 100 | Org-020 | [NT] | 12 | <100 | <100 | 0 | [NT] | [NT] |
| TRH C ₂₉ - C ₃₆ | mg/kg | 100 | Org-020 | [NT] | 12 | <100 | <100 | 0 | [NT] | [NT] |
| TRH >C ₁₀ -C ₁₆ | mg/kg | 50 | Org-020 | [NT] | 12 | 61 | <50 | 20 | [NT] | [NT] |
| TRH >C ₁₆ -C ₃₄ | mg/kg | 100 | Org-020 | [NT] | 12 | <100 | <100 | 0 | [NT] | [NT] |
| TRH >C ₃₄ -C ₄₀ | mg/kg | 100 | Org-020 | [NT] | 12 | <100 | <100 | 0 | [NT] | [NT] |
| Surrogate o-Terphenyl | % | | Org-020 | [NT] | 12 | 100 | 77 | 26 | [NT] | [NT] |

Client Reference: UPSS Test Pit Assessment - 1 Simmons St Wagga Wagga

| QUALITY CONTROL: PAHs in Soil | | | | | | Duplicate | | Spike Recovery % | | |
|-------------------------------|-------|------|-------------|------------|---|------------|------------|------------------|------------|------------|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-8 | 250872-2 |
| Date extracted | - | | | 11/09/2020 | 1 | 11/09/2020 | 11/09/2020 | | 11/09/2020 | 11/09/2020 |
| Date analysed | - | | | 11/09/2020 | 1 | 11/09/2020 | 11/09/2020 | | 11/09/2020 | 11/09/2020 |
| Naphthalene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | 106 | 101 |
| Acenaphthylene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Acenaphthene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | 81 | 74 |
| Fluorene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | 98 | 100 |
| Phenanthrene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | 0.1 | 0.2 | 67 | 107 | 101 |
| Anthracene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Fluoranthene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | 0.2 | 0.3 | 40 | 98 | 95 |
| Pyrene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | 0.3 | 0.3 | 0 | 102 | 98 |
| Benzo(a)anthracene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | 0.3 | 0.4 | 29 | [NT] | [NT] |
| Chrysene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | 0.3 | 0.4 | 29 | 106 | 104 |
| Benzo(b,j+k)fluoranthene | mg/kg | 0.2 | Org-022/025 | <0.2 | 1 | 0.5 | 0.5 | 0 | [NT] | [NT] |
| Benzo(a)pyrene | mg/kg | 0.05 | Org-022/025 | <0.05 | 1 | 0.3 | 0.4 | 29 | 105 | 102 |
| Indeno(1,2,3-c,d)pyrene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | 0.2 | 0.2 | 0 | [NT] | [NT] |
| Dibenzo(a,h)anthracene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Benzo(g,h,i)perylene | mg/kg | 0.1 | Org-022/025 | <0.1 | 1 | 0.2 | 0.2 | 0 | [NT] | [NT] |
| Surrogate p-Terphenyl-d14 | % | | Org-022/025 | 104 | 1 | 103 | 101 | 2 | 98 | 96 |

| QUALITY CONTROL: PAHs in Soil | | | | | | Duplicate | | | Spike Recovery % | |
|-------------------------------|-------|------|-------------|-------|----|------------|------------|-----|------------------|------|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | [NT] | [NT] |
| Date extracted | - | | | [NT] | 12 | 11/09/2020 | 11/09/2020 | | [NT] | [NT] |
| Date analysed | - | | | [NT] | 12 | 11/09/2020 | 11/09/2020 | | [NT] | [NT] |
| Naphthalene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Acenaphthylene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Acenaphthene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Fluorene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Phenanthrene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Anthracene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Fluoranthene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Pyrene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Benzo(a)anthracene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Chrysene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Benzo(b,j+k)fluoranthene | mg/kg | 0.2 | Org-022/025 | [NT] | 12 | <0.2 | <0.2 | 0 | [NT] | [NT] |
| Benzo(a)pyrene | mg/kg | 0.05 | Org-022/025 | [NT] | 12 | <0.05 | <0.05 | 0 | [NT] | [NT] |
| Indeno(1,2,3-c,d)pyrene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Dibenzo(a,h)anthracene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Benzo(g,h,i)perylene | mg/kg | 0.1 | Org-022/025 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Surrogate p-Terphenyl-d14 | % | | Org-022/025 | [NT] | 12 | 98 | 100 | 2 | [NT] | [NT] |

Client Reference: UPSS Test Pit Assessment - 1 Simmons St Wagga Wagga

| QUALITY CONTROL: Acid Extractable metals in soil | | | | | | Duplicate | | | Spike Recovery % | |
|--|-------|-----|------------|------------|---|------------|------------|-----|------------------|------------|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | LCS-8 | 250872-2 |
| Date prepared | - | | | 11/09/2020 | 1 | 11/09/2020 | 11/09/2020 | | 11/09/2020 | 11/09/2020 |
| Date analysed | - | | | 11/09/2020 | 1 | 11/09/2020 | 11/09/2020 | | 11/09/2020 | 11/09/2020 |
| Arsenic | mg/kg | 4 | Metals-020 | <4 | 1 | 4 | <4 | 0 | 92 | 73 |
| Cadmium | mg/kg | 0.4 | Metals-020 | <0.4 | 1 | <0.4 | <0.4 | 0 | 89 | 74 |
| Chromium | mg/kg | 1 | Metals-020 | <1 | 1 | 12 | 9 | 29 | 79 | 74 |
| Copper | mg/kg | 1 | Metals-020 | <1 | 1 | 16 | 15 | 6 | 77 | 79 |
| Lead | mg/kg | 1 | Metals-020 | <1 | 1 | 150 | 150 | 0 | 79 | 72 |
| Mercury | mg/kg | 0.1 | Metals-021 | <0.1 | 1 | 0.7 | 0.7 | 0 | 95 | 89 |
| Nickel | mg/kg | 1 | Metals-020 | <1 | 1 | 10 | 8 | 22 | 81 | 72 |
| Zinc | mg/kg | 1 | Metals-020 | <1 | 1 | 73 | 75 | 3 | 82 | 73 |

| QUALITY CONTROL: Acid Extractable metals in soil | | | | | | Duplicate | | | Spike Recovery % | |
|--|-------|-----|------------|-------|----|------------|------------|-----|------------------|------|
| Test Description | Units | PQL | Method | Blank | # | Base | Dup. | RPD | [NT] | [NT] |
| Date prepared | - | | | [NT] | 12 | 11/09/2020 | 11/09/2020 | | [NT] | [NT] |
| Date analysed | - | | | [NT] | 12 | 11/09/2020 | 11/09/2020 | | [NT] | [NT] |
| Arsenic | mg/kg | 4 | Metals-020 | [NT] | 12 | <4 | <4 | 0 | [NT] | [NT] |
| Cadmium | mg/kg | 0.4 | Metals-020 | [NT] | 12 | <0.4 | <0.4 | 0 | [NT] | [NT] |
| Chromium | mg/kg | 1 | Metals-020 | [NT] | 12 | 19 | 16 | 17 | [NT] | [NT] |
| Copper | mg/kg | 1 | Metals-020 | [NT] | 12 | 10 | 9 | 11 | [NT] | [NT] |
| Lead | mg/kg | 1 | Metals-020 | [NT] | 12 | 10 | 9 | 11 | [NT] | [NT] |
| Mercury | mg/kg | 0.1 | Metals-021 | [NT] | 12 | <0.1 | <0.1 | 0 | [NT] | [NT] |
| Nickel | mg/kg | 1 | Metals-020 | [NT] | 12 | 16 | 14 | 13 | [NT] | [NT] |
| Zinc | mg/kg | 1 | Metals-020 | [NT] | 12 | 33 | 29 | 13 | [NT] | [NT] |

Result Definitions

| | |
|-------------|---|
| NT | Not tested |
| NA | Test not required |
| INS | Insufficient sample for this test |
| PQL | Practical Quantitation Limit |
| < | Less than |
| > | Greater than |
| RPD | Relative Percent Difference |
| LCS | Laboratory Control Sample |
| NS | Not specified |
| NEPM | National Environmental Protection Measure |
| NR | Not Reported |

Quality Control Definitions

| | |
|--|--|
| Blank | This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples. |
| Duplicate | This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable. |
| Matrix Spike | A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist. |
| LCS (Laboratory Control Sample) | This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample. |
| Surrogate Spike | Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples. |
| Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011. | |
| The recommended maximums for analytes in urine are taken from "2018 TLVs and BEIs", as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016. | |
| Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2 | |

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

CHAIN OF CUSTODY - Client



ENVIROLAB GROUP

| | | |
|--|---|---|
| Client: Ground Doctor Pty Ltd | Client Project Name / Number / Site etc (ie report title): | Envirolab Services |
| Contact person: James Morrow | UPSS Test Pit Assessment - 1 Simmons St, Wagga Wagga, NSW | 12 Ashley St, Chatswood, NSW 2067 |
| Project Mgr: James Morrow | PO No.: 2020-GD010-1 | Phone: 02 9910 6200 Fax: 02 9910 6201 |
| Sampler: James Morrow | Envirolab Quote No. : | E-mail: ahie@envirolabservices.com.au |
| Address: PO Box 6278, DUBBO, NSW 2830 | Date results required: Standard | Contact: Aileen Hie |
| | Or choose: standard / same day / 1 day / 2 day / 3 day | Envirolab Services WA t/a MPL |
| Phone: -- Mob: 0407 875 302 | <i>Note: Inform lab in advance if urgent turnaround is required - surcharge applies</i> | 16-18 Hayden Crt, Myaree WA 6154 |
| Fax: -- | Lab comments: | Phone: 08 9317 2505 Fax: 08 9317 4163 |
| Email: james.morrow@grounddoc.com.au | | E-mail: lab@mpl.com.au |
| | | Contact: Joshua Lim |

| Sample information | | | | | Tests Required | | | | | | | | | | | | Comments |
|---------------------|---------------------------------|----------|--------------|----------------|----------------|------|----------|--|--|--|--|--|--|--|--|--|---|
| Envirolab Sample ID | Client Sample ID or information | Depth | Date sampled | Type of sample | Combo 3 | BTEX | Asbestos | | | | | | | | | | Provide as much information about the sample as you can |
| 1 | TP1 | 0.3-0.4m | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 2 | TP1 | 0.7-0.8m | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 3 | TP2 | 0.3-0.4m | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 4 | TP2 | 0.9-1.0m | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 5 | TP4 | 0.6-0.7m | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 6 | TP4 | 1.3-1.4m | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 7 | TP6_E | 0.9-1.0m | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 8 | TP6_W | 0.6-0.7m | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 9 | TP7 | 1.5-1.6m | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 10 | TP8 | 0.8-0.9m | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 11 | DUPA | - | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 12 | DUPB | - | 08-Sep-20 | Soil | x | | | | | | | | | | | | |
| 13 | PACM1 | - | 08-Sep-20 | Material | | | x | | | | | | | | | | |
| 14 | PACM2 | - | 08-Sep-20 | Material | | | x | | | | | | | | | | |
| NR | TS | - | 25-Aug-20 | Soil | | x | | | | | | | | | | | |
| NR | TB | - | 25-Aug-20 | Soil | | x | | | | | | | | | | | |

| | | |
|---|---------------------------------------|---|
| Relinquished by (company): Ground Doctor Pty Ltd | Received by (company): EUS Stn | Lab use only: |
| Print Name: James Morrow | Print Name: Jason Day | Samples Received: Cool or Ambient (circle one) |
| Date & Time: 25/8/20 1430 | Date & Time: 10/9/20 0930 | Temperature Received at: 4.0 (if applicable) |
| Signature: JRM | Signature: [Signature] | Transported by: Hand delivered / courier |

Annex I

Test Pit Logs

Borehole ID: Test Pit 1

Project No.: 2020-GD010

Project Name: Preliminary Site Investigation

Client: NSW Department of Planning, Industry and Environment

Site Address: 1 Simmons Street, Wagga Wagga



Ground Doctor Pty Ltd

22 Tamworth Street
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admin@grounddoc.com.au

| SUBSURFACE PROFILE | | | | SAMPLE | | CONSTRUCTION | |
|--------------------|--------|--|-------------|-----------|-------------|--------------|----------------|
| Depth (m) | Symbol | Description | Depth/Elev. | Sample ID | PID / Odour | Well Diagram | Materials Used |
| 0 | | Ground Surface | 0.0 | | | | |
| | | ASPHALT: Asphalt pavement (Car Park). | 0.1 | | | | |
| | | FILL: Roadbase, Decomposed Granite, Light brown, Clayey Sand (fine to coarse grained) and fine gravel, dry to moist. | 0.3 | | | | |
| | | FILL: Clayey Sandy Silt, brown, fine sand, moist. With ash, brick and glass. | 0.7 | 0.3-0.4m | 0.1ppm | | |
| | | Clayey Sandy SILT: Brown, fine to medium grained sand, moist. | 1.2 | 0.7-0.8m | 0.2ppm | | |
| 1 | | End of Test Pit at 1.2m bgl. | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

Drilled By: Burton Constructions

Drill Method: 5T Excavator

Drill Date: 8 September 2020

Hole Size: 400mm Wide Bucket

Datum:

Sheet: 1 of 1

Borehole ID: Test Pit 2

Project No.: 2020-GD010

Project Name: Preliminary Site Investigation

Client: NSW Department of Planning, Industry and Environment

Site Address: 1 Simmons Street, Wagga Wagga



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| SUBSURFACE PROFILE | | | | SAMPLE | | CONSTRUCTION | |
|--------------------|--------|--|-------------|-----------|-------------|--------------|----------------|
| Depth (m) | Symbol | Description | Depth/Elev. | Sample ID | PID / Odour | Well Diagram | Materials Used |
| 0 | | Ground Surface | 0.0 | | | | |
| | | ASPHALT: Asphalt pavement (Car Park). | 0.1 | | | | |
| | | FILL: Roadbase, Decomposed Granite, Light brown, Clayey Sand (fine to coarse grained) and fine gravel, dry to moist. | 0.1 | | | | |
| | | FILL: Clayey Sandy Silt, brown, fine sand, moist. With ash, brick and glass. | | 0.3-0.4m | 0.3ppm | | |
| | | Clayey Sandy SILT: Brown, fine to medium grained sand, moist. | 0.5 | | | | |
| | | Earthenware pipe encountered in sand filled trench at southern end of the test pit. | | | | | |
| | | | 1.0 | 0.9-1.0m | 0.3ppm | | |
| 1 | | End of Test Pit at 1.0m bgl. | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

Drilled By: Burton Constructions

Drill Method: 5T Excavator

Drill Date: 8 September 2020

Hole Size: 400mm Wide Bucket

Datum:

Sheet: 1 of 1

Borehole ID: Test Pit 3

Project No.: 2020-GD010

Project Name: Preliminary Site Investigation

Client: NSW Department of Planning, Industry and Environment

Site Address: 1 Simmons Street, Wagga Wagga



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| SUBSURFACE PROFILE | | | | SAMPLE | | CONSTRUCTION | |
|--------------------|--------|---|-------------|-----------|-------------|--------------|----------------|
| Depth (m) | Symbol | Description | Depth/Elev. | Sample ID | PID / Odour | Well Diagram | Materials Used |
| 0 | | Ground Surface | 0.0 | | | | |
| | | ASPHALT: Asphalt pavement (Car Park). | 0.1 | | | | |
| | | FILL: Roadbase, Decomposed Granite, Light brown, Clayey Sand (fine to coarse grained) and fine gravel, dry to moist. | 0.3 | | | | |
| | | FILL: Clayey Sandy Silt, brown, fine sand, moist. With ash, brick and glass. | 0.7 | | | | |
| 1 | | Clayey Sandy SILT: Brown, fine to medium grained sand, moist. Earthenware pipe found in backfilled trench at southern end of the excavation. | 1.2 | | | | |
| | | End of Test Pit at 1.2m bgl. | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

Drilled By: Burton Constructions

Drill Method: 5T Excavator

Drill Date: 8 September 2020

Hole Size: 400mm Wide Bucket

Datum:

Sheet: 1 of 1

Borehole ID: Test Pit 4

Project No.: 2020-GD010

Project Name: Preliminary Site Investigation

Client: NSW Department of Planning, Industry and Environment

Site Address: 1 Simmons Street, Wagga Wagga



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| SUBSURFACE PROFILE | | | | SAMPLE | | CONSTRUCTION | |
|--------------------|--------|--|-------------|-----------|-------------|--------------|----------------|
| Depth (m) | Symbol | Description | Depth/Elev. | Sample ID | PID / Odour | Well Diagram | Materials Used |
| 0 | | Ground Surface | 0.0 | | | | |
| | | ASPHALT: Asphalt pavement (Car Park). | 0.1 | | | | |
| | | FILL: Roadbase, Decomposed Granite, Light brown, Clayey Sand (fine to coarse grained) and fine gravel, dry to moist. | 0.2 | | | | |
| | | CONCRETE: Concrete slab, continues beneath neighbouring property to the east. | 0.5 | | | | |
| | | FILL: Clayey Sandy Silt, brown, fine sand, moist. With ash, brick and glass. | 0.8 | 0.6-0.7m | 0.3ppm | | |
| | | FILL: Brick pavement. | 0.9 | | | | |
| 1 | | Clayey Sandy SILT: Brown, fine to medium grained sand, moist. | 1.4 | 1.3-1.4m | 0.3ppm | | |
| | | End of Test Pit at 1.4m bgl. | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

Drilled By: Burton Constructions

Drill Method: 5T Excavator

Drill Date: 8 September 2020

Hole Size: 400mm Wide Bucket

Datum:

Sheet: 1 of 1

Borehole ID: Test Pit 5

Project No.: 2020-GD010

Project Name: Preliminary Site Investigation

Client: NSW Department of Planning, Industry and Environment

Site Address: 1 Simmons Street, Wagga Wagga



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| SUBSURFACE PROFILE | | | | SAMPLE | | CONSTRUCTION | |
|--------------------|--------|---|-------------|-----------|-------------|--------------|----------------|
| Depth (m) | Symbol | Description | Depth/Elev. | Sample ID | PID / Odour | Well Diagram | Materials Used |
| 0 | | Ground Surface | 0.0 | | | | |
| | | ASPHALT: Asphalt pavement (Car Park). | 0.1 | | | | |
| | | FILL: Roadbase, Decomposed Granite, Light brown, Clayey Sand (fine to coarse grained) and fine gravel, dry to moist. | | | | | |
| | | Test pit targeted disturbed area of asphalt which was thought to be a former pump base. | 0.3 | | | | |
| | | Tree stump on eastern side of test pit. 20mm steel conduit identified in test pit. Traced in a south westerly direction and did not appear to be associated with a UPSS. | | | | | |
| | | Asphalt patch was associated with former tree so test pit was abandoned at 0.3m bgl. | | | | | |
| | | End of Test Pit at 0.3m bgl. | | | | | |
| 1 | | | 1.2 | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

Drilled By: Burton Constructions

Drill Method: 5T Excavator

Drill Date: 8 September 2020

Hole Size: 400mm Wide Bucket

Datum:

Sheet: 1 of 1

Borehole ID: Test Pit 6



Ground Doctor Pty Ltd

Project No.: 2020-GD010




Project Name: Preliminary Site Investigation

Client: NSW Department of Planning, Industry and Environment

Site Address: 1 Simmons Street, Wagga Wagga

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| SUBSURFACE PROFILE | | | | SAMPLE | | CONSTRUCTION | |
|--------------------|---|--|-------------|-----------|-------------|--------------|----------------|
| Depth (m) | Symbol | Description | Depth/Elev. | Sample ID | PID / Odour | Well Diagram | Materials Used |
| 0 |  | Ground Surface | 0.0 | | | | |
| | | ASPHALT: Asphalt pavement (Car Park). | 0.1 | | | | |
| | | FILL: Roadbase, Blue Metals (medium) and brown fine to medium sand, moist. | | | | | |
| | | | | | | | |
| | | | | | | | |
| 1 |  | | 0.5 | | | | |
| | | FILL: Predominantly glass bottles with clayey sandy silt and ashy (wood ash) fines. With some brick and metal. | | | | | |
| | | Brick wall / footing encountered on southern wall of test pit. large brick footing / wall encountered on northern wall of test pit. Brick floor identified approximately 2m bgl beneath northern half of test pit footprint. | | 0.6-0.7m | 0.4ppm | | |
| | | 20mm steel conduits identified at eastern edge of test pit) possible electrical conduits to former fuel dispensers. | | | | | |
| | | | | 0.9-1.0m | 0.4ppm | | |
| 2 |  | | 2.0 | | | | |
| | | Clayey Sandy SILT: Brown, fine to medium grained sand, moist. | | | | | |
| | | End of Test Pit at 2.2m bgl. | 2.2 | | | | |
| 3 | | | | | | | |

Drilled By: Burton Constructions

Drill Method: 5T Excavator

Drill Date: 8 September 2020

Hole Size: 400mm Wide Bucket

Datum:

Sheet: 1 of 1

Borehole ID: Test Pit 7

Project No.: 2020-GD010

Project Name: Preliminary Site Investigation

Client: NSW Department of Planning, Industry and Environment

Site Address: 1 Simmons Street, Wagga Wagga



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| SUBSURFACE PROFILE | | | | SAMPLE | | CONSTRUCTION | |
|--------------------|--------|--|-------------|-----------|-------------|--------------|----------------|
| Depth (m) | Symbol | Description | Depth/Elev. | Sample ID | PID / Odour | Well Diagram | Materials Used |
| 0 | | Ground Surface | 0.0 | | | | |
| | | ASPHALT: Asphalt pavement (Car Park). | 0.1 | | | | |
| | | FILL: Roadbase, Clayey Gravel and Cobbles, Light brown, fine to coarse gravel and cobbles, angular, moist, hard, well packed. Brick wall / footing at southern end of test pit. | | | | | |
| 1 | | | 1.2 | | | | |
| | | FILL: Clayey Sandy Silt, brown, fine sand, moist. With ash, brick and glass. | | | | | |
| | | | | 1.5-1.6m | 0.4ppm | | |
| | | | 1.8 | | | | |
| 2 | | Clayey Sandy SILT: Brown, fine to medium grained sand, moist. Earthenware pipe encountered in sand filled trench at southern end of the test pit. | 2.0 | | | | |
| | | End of Test Pit at 2.0m bgl. | | | | | |
| 3 | | | | | | | |

Drilled By: Burton Constructions

Drill Method: 5T Excavator

Drill Date: 8 September 2020

Hole Size: 400mm Wide Bucket

Datum:

Sheet: 1 of 1

Borehole ID: Test Pit 8

Project No.: 2020-GD010

Project Name: Preliminary Site Investigation

Client: NSW Department of Planning, Industry and Environment

Site Address: 1 Simmons Street, Wagga Wagga



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| SUBSURFACE PROFILE | | | | SAMPLE | | CONSTRUCTION | |
|--------------------|--------|---|-------------|-----------|-------------|--------------|----------------|
| Depth (m) | Symbol | Description | Depth/Elev. | Sample ID | PID / Odour | Well Diagram | Materials Used |
| 0 | | Ground Surface | 0.0 | | | | |
| | | ASPHALT: Asphalt pavement (Car Park). | 0.1 | | | | |
| | | FILL: Roadbase, Clayey Gravel and Cobbles, Light brown, fine to coarse gravel and cobbles, angular, moist, hard, well packed. | 0.3 | | | | |
| | | FILL: Clayey Sandy Silt, brown, fine sand, moist. With ash, brick and glass. Several small (less than 10cm x 10cm) pieces of fibro identified in glassy fill adjacent to brisk wall. Likley to be one sheet in pieces. | | | | | |
| | | | | 0.8-0.9m | 0.2ppm | | |
| 1 | | | 1.2 | | | | |
| | | End of Test Pit at 1.2m bgl. | | | | | |
| 2 | | | 2.0 | | | | |
| 3 | | | | | | | |

Drilled By: Burton Constructions

Drill Method: 5T Excavator

Drill Date: 8 September 2020

Hole Size: 400mm Wide Bucket

Datum:

Sheet: 1 of 1

Borehole ID: Test Pit 9

Project No.: 2020-GD010

Project Name: Preliminary Site Investigation

Client: NSW Department of Planning, Industry and Environment

Site Address: 1 Simmons Street, Wagga Wagga



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| SUBSURFACE PROFILE | | | | SAMPLE | | CONSTRUCTION | |
|--------------------|--------|--|-------------|-----------|-------------|--------------|----------------|
| Depth (m) | Symbol | Description | Depth/Elev. | Sample ID | PID / Odour | Well Diagram | Materials Used |
| 0 | | Ground Surface | 0.0 | | | | |
| | | GRASS: Grass island in centre of the car park. | 0.1 | | | | |
| | | FILL: Clayey Silty Sand, Brown, fine to medium grained, moist. | | | | | |
| | | | 0.5 | | | | |
| | | Clayey Sandy SILT: Brown, fine to medium grained sand, moist. | | | | | |
| 1 | | | | | | | |
| | | | 1.3 | | | | |
| | | End of Test Pit at 1.3m bgl. | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

Drilled By: Burton Constructions

Drill Method: 5T Excavator

Drill Date: 8 September 2020

Hole Size: 400mm Wide Bucket

Datum:

Sheet: 1 of 1

Borehole ID: Test Pit 10

Project No.: 2020-GD010

Project Name: Preliminary Site Investigation

Client: NSW Department of Planning, Industry and Environment

Site Address: 1 Simmons Street, Wagga Wagga



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| SUBSURFACE PROFILE | | | | SAMPLE | | CONSTRUCTION | |
|--------------------|--------|---|-------------|-----------|-------------|--------------|----------------|
| Depth (m) | Symbol | Description | Depth/Elev. | Sample ID | PID / Odour | Well Diagram | Materials Used |
| 0 | | Ground Surface | 0.0 | | | | |
| | | GRASS: Grass island in centre of the car park. | 0.1 | | | | |
| | | FILL: Clayey Silty Sand, Brown, fine to medium grained, moist. | 0.3 | | | | |
| | | FILL: Sand and Gravel, Brown, blue metal (medium to coarse mixed with fine to medium grained sand, moist. | 0.6 | | | | |
| | | FILL: Mix of decomposed granite (clayey sandy gravel) and clayey sandy silt, brown, moist, some glass. | 1.3 | | | | |
| 1 | | | 1.8 | | | | |
| | | Clayey Sandy SILT: Brown, fine to medium grained sand, moist. | 2.0 | | | | |
| 2 | | End of Test Pit at 2.0m bgl. | | | | | |
| 3 | | | | | | | |

Drilled By: Burton Constructions

Drill Method: 5T Excavator

Drill Date: 8 September 2020

Hole Size: 400mm Wide Bucket

Datum:

Sheet: 1 of 1