

Lot 4002 John Rice Avenue, Elizabeth South and Lot 3002 Porter
Street, Salisbury, South Australia

3 October 2024

Preliminary Site Investigation





Document Information

Preliminary Site Investigation,

Lot 4002 John Rice Avenue, Elizabeth South and Lot 3002 Porter Street, Salisbury, South Australia

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Senversa acknowledges the traditional custodians of the land on which this work was created and pay our respect to Elders past and present.



Executive Summary

Senversa was commissioned by Renewal SA to undertake a Preliminary Site Investigation (PSI) for Lot 4002 John Rice Avenue, Elizabeth South, South Australia, 5112 (Lot 4002) and Lot 3002 Porter Street, Salisbury, South Australia, 5108 (Lot 3002) (the site). The site location and boundaries are shown in **Figure 1**.

The site is owned by Renewal SA and is currently vacant. Senversa understands that Renewal SA intends to develop the site for proposed residential land use purposes.

The objective of the PSI was to provide a preliminary assessment of the contamination status of the site, including identifying potential site contamination issues which may impact the current and proposed future use of the site.

The PSI will be used to support a Code Amendment (CA) (Employment Zone > Master Planned Neighbourhood Zone / Urban Neighbourhood Zone), as well as the future Development Application (DA).

Based on the results of this PSI, Senversa conclude that a limited number of Potentially Contaminating Activities (PCAs) and Activities of Environmental Significance (AESs) were identified to exist associated with the current and historical use of the site and surrounding properties.

The identified PCAs and AESs on-site include the following:

- Agricultural activities – associated with the historical use of the site and surrounding land.
- General spraying of pesticides/herbicides for maintenance – associated with the current and historical use as vacant allotments.
- Fill or soil importation – associated with the service pits in Lot 3002 and the soil mound in Lot 4002.
- Unauthorised dumping of fill/rubbish – associated with Lot 4002.

Relevant potential Contaminants of Interest (COIs) associated with these activities include total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAH), phenols, heavy metals, organochlorine pesticides (OCPs), organophosphorus pesticides (OPPs), herbicides, insecticides, nutrients and asbestos.

Previous sampling, site inspections and a review of historical uses and environmental assessment reports for the site and surrounding areas indicate that there is a low potential for site contamination to exist at the site, and low potential for known contamination at surrounding properties (former Holden factory, Genis Steel, service stations) to have impacted the site.

It should be noted that this is a preliminary understanding only and limited soil sampling (by others) has been undertaken at the site. Furthermore, previous soil sampling undertaken by URS in 2014 as part of Preliminary Site Investigations (URS, 2014a and 2014b) was in relation to a future use as a commercial/industrial site and soil analytical results were not compared to residential guidelines.

Verification through supplementary soil sample collection and analysis, in relation to the proposed residential redevelopment, particularly in the vicinity of the soil mound observed in Lot 4002, and in areas where TRH and benzo(a)pyrene were previously reported in Lot 3002, should be considered.



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List of Acronyms

Acronym	Definition
AES	Activity of environmental significance
AHD	Australian Height Datum
AS	Australian Standard
ASC NEPM	National Environment Protection (Assessment of Site Contamination) Measure
AST	Above ground storage tank
bgl	Below ground level
BTEX	Benzene, toluene, ethylbenzene, xylenes
CA	Code Amendment
COI	Contaminant of interest
CT	Certificate of Title
CSM	Conceptual site model
DA	Development Application
DEW	Department of Environment and Water
EPA	Environment Protection Authority (South Australia)
Holden	General Motors Holden
NEPM	National Environment Protection Measure
OCP	Organochlorine Pesticides
OPP	Organophosphate Pesticides
PAH	Polycyclic aromatic hydrocarbons
PCA	Potentially contaminating activity
SAILIS	South Australian Integrated Land Information System
TDS	Total dissolved solids
TRH	Total recoverable hydrocarbons
VOC	Volatile organic compound



1.0 Introduction and Objectives

1.1 Background

Senversa was commissioned by Renewal SA to undertake a Preliminary Site Investigation (PSI) for Lot 4002 John Rice Avenue, Elizabeth South, South Australia, 5112 (Lot 4002) and Lot 3002 Porter Street, Salisbury, South Australia, 5108 (Lot 3002) (the site). The site location and boundaries are shown in **Figure 1**.

The site is owned by Renewal SA and is currently vacant. Senversa understands that Renewal SA intends to develop the site for proposed residential land use purposes.

1.2 Project Objective

The objective of the PSI was to provide a preliminary assessment of the contamination status of the site, including identifying potential site contamination issues which may impact the current and proposed future use of the site.

The PSI will be used to support a Code Amendment (CA) (Employment Zone > Master Planned Neighbourhood Zone / Urban Neighbourhood Zone), as well as the future Development Application (DA).

1.3 Scope of Work

To address the project objectives described above, Senversa undertook the following scope of work – which is consistent with the guidance provided in the *National Environment Protection (Assessment of Site Contamination) Measure 1999* (as amended 2013) (ASC NEPM) and the *SA EPA Guidelines for the Assessment and Remediation of Site Contamination* (November 2019) (GAR):

- A review of historical and environmental information sources to establish the environmental setting of the site and develop an understanding of potential contamination issues that may exist associated with the recent and historical uses of the site. This included:
 - Review of available soil, geological, topographical and hydrogeological maps.
 - Review of available asbestos registers, environmental reports and pollution/waste reports for the site.
 - Obtain and review information from local council development plans and relevant local historical societies.
 - Review historical certificates of title maintained by Lands Title Office and provided in the South Australian Integrated Land Information System (SAILIS).
 - Review relevant historical aerial photographs.
 - Obtain and review SA EPA Section 7 Searches.
 - Assess activities on surrounding land which have the potential to have contaminated the site.
 - Obtain and review information regarding underground services in the vicinity of the site.
 - Search the *WaterConnect* groundwater database provided by the Department of Environment and Water (DEW) for local groundwater use and quality.
 - Obtain and review SA EPA records including the Site Contamination Index and Public Register for the site and surrounding properties.



- Undertaking a site inspection to gain an understanding of:
 - Current conditions and activities, as well as land uses surrounding each allotment.
 - Any known or potential indicators of contamination or pollution issues.
- Preparation of this PSI report.



2.0 Site Description and Environmental Setting

The following table provides a summary of the site description and environmental setting – informed by:

- The outcomes of previous investigations (see **Section 3.1**).
- Information presented in a LotSearch report – attached as **Appendix A**.
- Site inspections completed by an experienced Senversa site contamination consultant on 7 August 2024.

Key site features are shown in the site layout plan presented as **Figure 1** attached and some selected photographs illustrating some of these features are provided in **Appendix B**.

Table 2.1: Site Description and Environmental Setting

Item	Details	
Address	Lot 4002 John Rice Avenue, Elizabeth South, South Australia, 5112	Lot 3002 Porter Street, Salisbury, South Australia, 5108
Legal Description	Allotment 4002, Deposited Plan 87538, Certificate of Title (CT) 6085/111 A copy of the current CT provided in Appendix C .	Allotment 3002, Deposited Plan 87538, CT 6085/393. A copy of the current CT provided in Appendix C .
Area	Approximately 8.78 ha	Approximately 0.356 ha
Current Site Owner	Renewal SA	Renewal SA
Municipality	City of Playford	City of Playford
Current Land Use and Zoning	Vacant Zoned “Employment – E”	Vacant Zoned “Employment – E” and “General Neighbourhood – GN”
Proposed Future Land Use	Master Planned Neighbourhood Zone / Urban Neighbourhood Zone. The site is proposed to be developed for residential land uses.	
Surrounding Land Use	<p>The allotment is surrounded by the following land uses:</p> <ul style="list-style-type: none"> • North – John Rice Avenue and commercial properties beyond (Genis Steel, including large carpark). There is an On-the-Run service station across from the north-western corner of the allotment, and a United service station (including two large above ground storage tanks (ASTs – labelled as containing fire water) across from the north-eastern corner of the allotment. • East – Jarvis Road followed by residential properties and small parcels of vacant land. • South – Residential properties. • West – Porter Street followed by residential and a small parcel of vacant land. Commercial properties (including Bridgestone Tyre and Auto service) further to the west across Sailsbury Highway. 	<p>The allotment is surrounded by the following land uses:</p> <ul style="list-style-type: none"> • North – John Rice Avenue and commercial/industrial properties beyond (Genis Steel). There is an On-the-Run service station directly north from the allotment across John Rice Avenue. • East – Porter Street, vacant land and residential properties. • South – Residential properties. • West – Commercial Road and Sailsbury Highway. Some residential properties and commercial properties (including Bridgestone Tyre and Auto service) further to the west across Sailsbury Highway.



Item	Details
Visible Evidence of Contamination Sources / Activities	<p>The allotment is predominantly vacant with sporadic trees and no clear visible evidence of current or historical sources of contamination / activities.</p> <p>A mound runs along the northern boundary of the allotment, inside of the row of trees adjacent John Rice Avenue.</p> <p>Several small fill stockpiles/mounds were also observed in the centre of the allotment, which appeared to include construction and demolition (C&D) rubble.</p> <p>Some minor rubbish / domestic refuse was scattered along the eastern allotment boundary adjacent Jarvis Road.</p> <p>The locations of the features described above are shown on Figure 1.</p> <p>The allotment is predominantly vacant with dense trees and no clear visible evidence of current or historical sources of contamination / activities.</p> <p>Service pits and above ground infrastructure is present on the allotment. Additionally, signs on the allotment indicate a buried high pressure gas line.</p> <p>The locations of the features described above are shown on Figure 1.</p>

2.1 Topography and Hydrology

An extract from the topographical map obtained from LotSearch (**Appendix A**) indicates the site and surrounding area are generally flat, with a slightly slope towards the east. The site was observed to be generally flat during the site inspection conducted on 7 August 2024.

URS (2014a and 2014b) noted that Lot 4002 slopes approximately 3.3 m towards the north-west, and Lot 3002 slopes approximately 0.6 m downwards towards the north-west, based on survey data provided by Alexander Symonds.

Little Para River, approximately 600 m south of the site, is the closest surface water body to the site (refer to **Appendix A**).

2.2 Geology

The Surface Geology 1:100,000 dataset obtained by LotSearch indicates that the site is located on the Pooraka Formation (**Appendix A**). This formation consists of red-brown sandy clay containing carbonate.

Findings from the soil sampling carried out by URS (URS 2014a and 2014b) indicated that soils encountered on-site were generally medium plasticity, brown silty clays, or red-brown sandy clays, with some quartzite gravels present. Fill material or re-worked natural soils were present in the upper soil profile in some locations advanced into the mounded material along the northern boundary of Lot 4002, up to depth of 1.0 m below ground level (bgl), and in all locations in Lot 3002, up to depths of 0.05 m bgl.

2.3 Regional Hydrogeology

The *Overview of the hydrogeology of the Adelaide Metropolitan Area* (Gerges, 2006) indicates that the site is located within the Adelaide Plains Sub-Basin, within a region that is likely to contain up to five or six Quaternary aquifers.

LotSearch (**Appendix A**) indicated that aquifers present beneath the site consist of "Sedimentary Rocks - basins include limestone, often cavernous, sandstone, sand shale and clay".

Regional groundwater is expected to follow the regional topography and flow to the north-west towards the St Vincent Gulf; however, it is possible there may be local variations.



2.4 Groundwater Resource Utilisation

A search of the *WaterConnect* database for registered groundwater bores within a 2 km radius of the site was included in **Appendix A** and identified 424 registered wells. The bores were listed as being used for:

- domestic (16)
- drainage (1)
- environmental (10)
- exploration (9)
- foundations (6)
- geothermal energy (1)
- investigation/monitoring/observation (231)
- irrigation (98)
- managed aquifer recharge (1)
- recreational (3)
- river (1)
- stock (21)
- town water supply (2)

Some of the registered bores had no listed purpose.

There are three registered groundwater bores on-site:

- 6628-4960
- 6628-4961
- 6628-4964

All three bores were installed in 1977, to a maximum depth of approximately 10 m bgl. Their purposes are listed as exploration and their status is unknown.

Based on the review of the data, the following is noted:

- Depth to groundwater: generally ranging between 5 and 25 m bgl, however some wells were installed to greater depths (30 - 40 m deep).
- Total dissolved solids (TDS) concentration (salinity): generally ranging between 500 and 3,000 milligrams per litre (mg/L), but reported to be as low as 150 mg/L – indicating that groundwater in the area is fresh to brackish.
- Estimated well yields: ranging between 0.2 – 6 litres per second (L/sec), although with some higher yields up to 18 L/sec reported.
- pH: between 6 to 8.6 – indicating that groundwater in the area is slightly acidic to slightly alkaline.

2.5 Acid Sulphate Soils

A review of the *Atlas of Australian Acid Sulfate Soils* provided within **Appendix A** indicates that the site falls within an area of extremely low probability of occurrence (1-5%).



3.0 Site History Review

3.1 Previous Investigation Reports

Senversa is aware of the following previous investigation reports (provided by Renewal SA) relating to the site:

- URS (2014a) Preliminary Site Investigation, Lot 4002 John Rice Avenue, Elizabeth South, South Australia, 18 August 2014.
- URS (2014b) Preliminary Site Investigation, Lot 3002 Porter Street, Sailsbury, South Australia, 18 August 2014.

A summary of the information relevant to the site provided in the previous investigation reports is presented in the following sections.

3.1.1 URS (2014a) PSI, Lot 4002

A PSI including limited soil sampling was undertaken by URS for Renewal SA in 2014 for the portion of land located at Lot 4002, John Rice Avenue, Elizabeth South.

The desktop investigation, along with site observations and analytical results, identified the following PCAs at the site:

- Broad acre agricultural use.
- Spraying of waste oil for dust suppression of possible former horse racing tracks.
- Importation of fill of unknown origin.
- Unauthorised dumping of fill.

The limited soil investigation identified fill or reworked natural material to a maximum depth of 1.0 m bgl in the mounded areas along the northern boundary of the allotment. Natural soils generally comprised silty and sandy clays.

Concentrations of all COIs in soil samples were generally below adopted human health based and ecological criteria for commercial/industrial land use¹ (based on an assumption by URS that future development was proposed to be Light Industrial) with the exception of minor exceedances of ecological investigation levels for nickel and copper, which were deemed to be insignificant by URS.

Concentrations of COIs in stockpile samples were below adopted assessment criteria, however it was noted that the material contained aesthetically unsuitable material including large pieces of rubble and two bed mattresses.

URS concluded that the findings of the PSI and limited soil sampling did not indicate significant potentially unacceptable risks to future users of the site, however it was noted that the intrusive investigation carried out was very limited and there is potential for COIs to be present associated with fill importation activities at the site. It should be noted also that URS assumed a future commercial/industrial land use when adopting assessment criteria, and Senversa is now aware that the proposed future land use is residential, which would correspond to more sensitive assessment criteria.

URS concluded that there is considered to be a low likelihood of groundwater contamination associated with site activities. URS noted that chlorinated solvent impacts to groundwater are known to be present beneath the former Holden site and are understood to cease at the southern boundary of the Holden site (John Rice Avenue), which is located adjacent to Lot 4002.

¹ Setting D - Commercial/industrial includes premises such as shops, offices, factories and industrial sites



3.1.2 URS (2014b) PSI, Lot 3002

A PSI including limited soil sampling was undertaken by URS for Renewal SA in 2014 for the portion of land located at Lot 3002, Porter Street, Sailsbury.

The desktop investigation, along with site observations and analytical results, identified the following PCAs at the site:

- Broad acre agricultural use.
- Importation of fill of unknown origin.

The limited soil investigation identified fill present in a thin layer across the site, up to 0.05 m bgl, overlying reworked natural soil up to 0.3 m bgl. Natural soils generally comprised silty and sandy clays.

Concentrations of all COIs in soil samples were generally below adopted human health based and ecological criteria for commercial/industrial land use (based on an assumption by URS that future development was proposed to be Light Industrial), with the exception of the following:

- Benzo(a)pyrene exceeded the adopted ecological screening levels for commercial/industrial land use at one location, in soil between 0.05 and 0.2 m bgl.
- Nickel exceeded the adopted ecological investigation levels for commercial/industrial land use at three locations.

Petroleum hydrocarbons were also present at concentrations above the laboratory limits of reporting in shallow fill (up to 0.2 m bgl), however concentrations were below all adopted human health based and ecological criteria.

URS concluded that the findings of the PSI and limited soil sampling did not indicate significant potentially unacceptable risks to future users of the site. It should be noted that URS assumed a future commercial/industrial land use when adopting assessment criteria, and Senversa is now aware that the proposed future land use is residential, which would correspond to more sensitive assessment criteria.

URS concluded that there is considered to be a low likelihood of groundwater contamination associated with site activities. URS noted that chlorinated solvent impacts to groundwater are known to be present beneath the former Holden site and are understood to cease at the southern boundary of the Holden site (John Rice Avenue), which is located adjacent to Lot 3002.

3.2 Historical Certificates of Title

A review of current and historical CTs for the site was conducted to assess the potential for site contamination - associated with PCAs or other activities that could have occurred during current or historical ownership (or occupation).

Historical CTs indicate that both allotments are currently owned by Renewal SA, and were historically owned by various government entities including the South Australian Housing Trust and South Australian Urban Projects. Both allotments were owned by farmers from 1848 to 1957.

The information provided on the CTs is indicative of agricultural activities potentially occurring at the site, which is a PCA.

The current CTs are provided in **Appendix C**.



3.3 EPA Section 7 Search

The EPA provides information to assist potential vendors meet obligations under Section 7(1)(b) of the *Land and Business (Sale and Conveyancing) Act 1994* and lists responses to questions in regard to the following applicable to the site:

- Environmental performance agreements, protection orders, clean-up order or clean-up authorisations, site contamination assessment orders, site remediation orders, and notices of declaration of special management areas in relation to the land (due to possible existence of site contamination);
- Notation of site contamination audit reports in relation to the land;
- Notice of prohibition or restriction on taking water affected by site contamination in relation to the land;
- Licences and exemptions recorded by EPA in public register; and
- Pollution and site contamination on the land - details recorded by the EPA in public register in addition to other details held by EPA.

The Section 7 search results are presented in **Appendix D**. Results indicate that there are no conditions, enforcement notices, requirements, or orders recorded for the site.

3.4 EPA Records Search

A search of the EPA site contamination index² was completed for properties within 1 km of the site to assess for potential site contamination issues at and surrounding the site (and recorded in the public register under the *Environment Protection Act, 1993*). The search results are presented in the LotSearch report (**Appendix A**) – including a map showing the relevant properties (within 1 km of the site).

A summary of the relevant information and properties within 60 m of the site³ is presented in **Table 3.1**.

Table 3.1: Site Contamination Index Search Results (within 500 m of site)

EPA Notification Number	Notification Type	Address	Activity	Direction and Distance from Site
61102	S83A Notification	180 Phillip Highway, Elizabeth South, 5112	Motor vehicle manufacture	20 m north
60010	S83A Notification	Commercial Road, Elizabeth South, 5112	Motor vehicle manufacture	20 m north
60824 62107 61608 60824 61905 12057 61428	Audit Notification Voluntary Proposal 109 Notification Audit Report Voluntary Proposal S83A Notification Voluntary Proposal	Various lots, 180 Phillip Highway, Elizabeth South, 5112	Motor vehicle manufacture	20 m north

² https://www.epa.sa.gov.au/data_and_publications/site_contamination_index/search-the-contamination-register

³ As per Schedule 2 of *Practice Direction 14*



The motor vehicle manufacturing recorded above is understood to be the former General Motors Holden (Holden) plant, located directly opposite the site across John Rice Avenue to the north. The LotSearch report (**Appendix A**) also indicated that there is a Groundwater Prohibition Area (GPA) associated with this site, which extends north and west. Information from the SA EPA Website⁴ indicates that the Elizabeth South GPA was established in 2023, and is associated with groundwater contamination from historical commercial/industrial and manufacturing activities. The GPA extends to the three upper quaternary aquifers (Q1, Q2 and Q3) which extent from 0 to 35 m bgl.

It is considered unlikely that impacts to groundwater from the former Holden factory associated with the GPA and the EPA notifications presented in **Table 3.1** will impact the site based on the following:

- The GPA ends at the southern boundary of the former Holden site, across John Rice Avenue.
- Groundwater flow is inferred to be towards the north-west, away from the site.

3.5 Historical Aerial Photographs

Historical aerial photographs for 1949, 1959, 1969, 1979, 1989, 2000, 2010, 2020 and 2024 were reviewed, with the outcomes summarised in **Table 3.2**. The historical aerial photographs are attached in **Appendix E**. The most recent uses of the site and surrounding properties are presented in **Section 2.0**.

Table 3.2: Historical Aerial Photograph Review

Photograph	Observations	
	On-site	Surrounding Land
Date: 1949 Black and white	The entire site is vacant, potentially being used for agricultural purposes/pasture. A road runs along the western boundary of Lot 3002.	The land surrounding the site appears to be generally agricultural. Small rural residential development is present to the west of Lot 3002.
Date: 1959 Black and white	The site remains vacant, however in Lot 4002 there is evidence of mowing, indicating potential agricultural use.	The surrounding land appears generally similar to the 1949 aerial photograph, with additional residential properties present to the west and south of Lot 3002. There are structures present across the road from the north-eastern corner of Lot 4002, which appears to be the fire water ASTs.
Date: 1969 Black and white	The site remains vacant, with some tracks present in Lot 4002, including oval shaped tracks (potentially a racetrack).	The surrounding land appears to have changed since the 1959 aerial photograph in the following aspects: <ul style="list-style-type: none"> • North: The carpark associated with the Holden Factory is now present. A carpark is also present adjacent the apparent ASTs. • East: An oval or recreational area is present. Residential properties are visible to the south-east. • South: Residential properties are visible to the south. • West: Additional residential properties are present.
Date: 1979 Colour	The site remains vacant. Trees are now present across the entirety of Lot 3002, and across the northern and eastern borders of Lot 4002.	The surrounding land appears to have changed since the 1968 aerial photograph in the following aspects: <ul style="list-style-type: none"> • North: Additional carparking associated with the Holden factory is present. • East: Soil stockpiles are present in the vacant allotment across from Jarvis Road. • South: Additional residential properties are present.

⁴ [Elizabeth South Groundwater Prohibition Area | Engage EPA](#)



Photograph Observations

	On-site	Surrounding Land
Date: 1989 Colour	The site appears mostly unchanged from the 1979 aerial image with the exception of the tracks in Lot 4002, which appear to be no longer in use.	The surrounding land appears relatively similar to the 1979 aerial photograph with the exception of the following: <ul style="list-style-type: none"> East: The soil stockpiles from the 1979 aerial photograph are no longer present. South: A commercial property (potentially Calvary Central Districts Hospital) and associated carpark is present to the south of the site.
Date: 2000 Colour	The site appears mostly unchanged from the 1989 aerial photography. The vegetation/trees in both lots are denser.	The surrounding land appears to have changed since the 1989 aerial photograph in the following directions and ways: <ul style="list-style-type: none"> North: Carparking associated with the former Holden Factory has increased significantly. There appears to be a petrol station present directly north from Lot 3002 across John Rice Avenue. South: Significant residential development has taken place directly south of the site.
Date: 2010 Colour	The site appears mostly unchanged from the 1989 aerial photography.	The surrounding land appears generally similar to the 2000 aerial photograph, with the exception of additional carparking present to the north associated with the former Holden factory.
Date: 2020 Colour	The site appears mostly unchanged from the 1989 aerial photography.	The surrounding land appears generally similar to the 2010 aerial photograph, with the exception of the former Holden factory carpark being vacant, corresponding to the closure of the factory in 2017.
Date: 2024 Colour	The site appears mostly unchanged from the 1989 aerial photography.	The surrounding land appears generally similar to the 2020 aerial photograph. Cars and a significant amount of soil stockpiles are now present in the former Holden factory carpark (now Genis Steel).

The aerial photograph review has indicated that the site appears to have been largely vacant since 1949 and possibly historically used for agricultural purposes.

3.6 Historical Business Directories

There were no historical businesses recorded for the site in the Universal Business Directory and Sands & McDougall Directory (records from 1910 to 1991).

Other businesses registered within 100 m of the site that have the potential to form sources of contamination include service stations (On-the-Run and United service stations remain present), mechanics or motor garages, tyre manufacturers, welders, a nursery, motor car or truck dealership, and car manufacturers.

3.7 Historical Maps

A review of historical site maps for 1892-1926 provided by LotSearch (**Appendix A**) did not identify any specific historical uses of the site and surroundings within 1 km radius of the site.



3.8 Summary of Site and Surrounding History

3.8.1 Site

The site appears to have been vacant land since 1949 and potentially historically used for agricultural activities or horseracing/training. Historical CTs indicate that both allotments were owned by farmers from 1848 to 1957, were then owned by various government entities including the South Australian Housing Trust and South Australian Urban Projects, before ownership being transferred to Renewal SA in 2000 (Lot 4002) and 2011 (Lot 3002).

The following PCAs⁵ or activities of environmental significant (AESs) have been identified to have occurred or possibly occurred at the site:

- Agricultural activities.
- Fill or soil importation.
- General spraying of pesticides/herbicides for maintenance.
- Unauthorised dumping of fill/rubbish.

URS (2014a) also identified the potential PCA “Spraying of waste oil for dust suppression of possible former horse racing tracks” however there was no evidence of this potential contamination found during the intrusive investigation. Senversa does not consider this AES relevant.

3.8.2 Surrounding Land

The land surrounding the site has been used for the following range of PCAs of AESs, including (but not limited to):

- Historical agricultural activities (including the possible use of pesticides, weedicides and/or fertilisers) surrounding the site.
- Service stations (On-the-Run and United Petroleum) the north of the site.
- Motor vehicle manufacture at the former Holden factory to the north of the site.
- Metal processing (Genis Steel to the north of the site).

Whilst PCAs and AESs may have occurred at some of the properties surrounding the site, available information indicates that these sites are unlikely to have contaminated the site for one or more of the following reasons:

- Being located down-gradient topographically from the site (i.e. unlikely to receive surface water).
- Being located down-hydraulic gradient from the site (i.e. groundwater is flowing away from the site).
- The former Holden factory has been subject to an environmental audit, during which off-site contamination issues would have been identified.
- The GPA established relating to vehicle manufacturing at the former Holden factory ends at the southern boundary of the former Holden factory, across John Rice Avenue.

Potential sources of contamination identified during the site history assessment are discussed in the preliminary conceptual site model (CSM) (**Section 5.0**). It is noted that the potential for these sources to have contaminated the site is considered to be low.

⁵ Schedule 3 Part 1 of the *Environment Protection Regulations (2009)*



4.0 Site Inspection

An inspection of the site and surrounding areas was conducted by a Senior Environmental Scientist from Senversa on 7 August 2024. The Site Inspection field record is presented in **Appendix F**. The following table summarises the key features observed during the inspection; photographs illustrating some of these features are provided in **Appendix B**.

Item	Observation
Current Access and Use	The site comprises two vacant allotments with no access restrictions.
Buildings and Structures	No buildings are present at the site. Some above ground cabinets are present at Lot 3002, likely associated with the underground service infrastructure. There is a soil mound along the northern boundary of Lot 4002.
Evidence of Previous Uses	No evidence of previous uses.
Hardstand/Surface Coverage	The majority of the site is grass covered, with some bare ground.
Visual Evidence of Contamination	There is soil mound along the northern boundary of Lot 4002 and several smaller soil mounds containing rubble/waste in the centre of the site. Rubbish and litter are present along the eastern boundary of Lot 4002.
Surface Waste/ Stockpiled Material	There is soil mound along the northern boundary of Lot 4002 and several smaller soil mounds containing rubble/waste in the centre of the site.
Waste Disposal	None apparent.
Evidence of imported fill material	There is soil mound along the northern boundary of Lot 4002 and several smaller soil mounds containing rubble/waste in the centre of the site. There are several service pits in Lot 3002, indicating fill is in these areas.
Chemical/Fuel Storage	None apparent.
Underground Structures	Service utilities, pits and infrastructure are present in Lot 3002. Signage on-site indicates a buried high pressure gas line.
Drainage	The site appears to be mostly flat. Surface water drains are present along John Rice Avenue, Porter Street, Jarvis Road and along the various roads abutting the southern boundary of Lot 4002.



5.0 Preliminary Conceptual Site Model

In accordance with Schedule B2 of the ASC NEPM, an important step in the site investigation process is the development of a CSM. A CSM is used to identify:

- **Sources** - potential sources of contamination.
- **Pathways** - the pathways by which (and media through which) contamination may migrate away from the sources.
- **Receptors** - the human and ecological receptor groups potentially exposed to contamination.

For potential risks to human health or ecology to exist, a complete pathway for exposure must exist between the source of contamination and the receptor. An exposure pathway will typically consist of the following elements:

- Source of contamination (e.g. a spill).
- Release mechanism (e.g. migration in soil, leaching to water, emission to air).
- Retention in the transport medium (e.g. soil, groundwater, surface water, air).
- Exposure point/receptor (e.g. where a person or ecological receptor comes in contact with contaminated soil, groundwater, surface water or soil vapour).
- Exposure route (e.g. inhalation, ingestion, absorption through the skin).

5.1 Potential Sources of Contamination and Chemicals of Interest

This section details the PCAs⁶ or AESs and associated COIs identified for the site and surrounding areas. The COIs have been nominated based on Senversa's professional experience and the list of industries and chemicals described in Australian Standard, AS 4482.1—2005 *Guide to the investigation and sampling of sites with potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds*. The currency of the activities associated with each PCA or AES and the potential mechanisms of contamination movement is provided in **Table 5.1**.

The PCAs or AESs listed in **Table 5.1** are those that have the potential to have contaminated the site based on current and previous uses of the site and surrounding land (within 60 m - refer **Section 3.8.2**).

Table 5.1: PCAs / AESs Identified On-site and Off-site

PCA ⁷ or AES	Activity Class ⁸	Location Details	Potential COI	Current or Historical	Potential Mechanism(s) of Contamination
On-site					
Agricultural activities	Class 3	Across the site	Organochlorine pesticides (OCPs), organophosphorus pesticides (OPPs), metals, herbicides and insecticides	Historical	Residual contamination in soils beneath the site and possible leakage and migration into or via soil, surface water and / or preferential pathways

⁶ Schedule 3 Part 1 of the *Environment Protection Regulations (2009)*

⁷ Taken from the Schedule 3 Part 1 of the *Environment Protection Regulations (2009)*

⁸ As defined in the State Planning Commission *Practice Direction 14, Site Contamination Assessment, 2021* (SPC PD 14).



PCA ⁷ or AES	Activity Class ⁸	Location Details	Potential COI	Current or Historical	Potential Mechanism(s) of Contamination
General spraying of pesticides/herbicides for maintenance	N/A ⁹	Across the site	OCPs, OPPs, metals, herbicides and insecticides	Current and Historical	Residual contamination in soils beneath the site and possible leakage and migration into or via soil, surface water and / or preferential pathways
Fill or soil importation	N/A ⁹	On-site - in the vicinity of the soil mound in Lot 4002, and in the vicinity of the service pits in Lot 3002.	Total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene and xylenes (BTEXN), polycyclic aromatic hydrocarbons (PAH), phenols, heavy metals and asbestos	Historical	Residual contamination in soils beneath the site and possible leakage and migration into or via soil, surface water and / or preferential pathways
Unauthorised dumping of fill/rubbish.	N/A ⁹	On-site along the eastern boundary of Lot 4002.	TRH, BTEXN, PAH, phenols, heavy metals and asbestos	Current and Historical	Residual contamination in soils beneath the site and possible leakage and migration into or via soil, surface water and / or preferential pathways
<u>Off-site (within 150 m)</u>					
Agricultural activities	Class 3	Off-site in all directions	Heavy metals, OCPs, OPPs, herbicides, insecticides and nutrients	Historical	Residual contamination in soils beneath the site and possible leakage and migration into or via soil surface water and / or preferential pathways
Service Stations	Class 1	On-the-Run and United Petroleum service stations to the north of John Rice Avenue	TRH, BTEXN, PAH, phenols, heavy metals	Current	Residual contamination in soils beneath the site and possible leakage and migration into or via soil surface water and / or preferential pathways
Vehicle manufacturing	Class 1	Former Holden factory to the north of John Rice Avenue	TRH, BTEXN, PAH, volatile organic compounds (VOCs), phenols, heavy metals	Historical	Residual contamination in soils beneath the site and possible leakage and migration into or via soil surface water and / or preferential pathways
Metal processing or metallurgical works	Class 1	Genis Steel factory to the north of John Rice Avenue	PAH, phenols, heavy metals	Current	Residual contamination in soils beneath the site and possible leakage and migration into or via soil surface water and / or preferential pathways
General spraying of pesticides/herbicides for maintenance	N/A ⁹	Off-site in all directions	OCPs, OPPs, herbicides and insecticides	Current and Historical	Residual contamination in soils beneath the site and possible leakage and migration into or via soil, surface water and / or preferential pathways.

⁹ Not defined in SPC PD 14.



PCA ⁷ or AES	Activity Class ⁸	Location Details	Potential COI	Current or Historical	Potential Mechanism(s) of Contamination
Fill or soil importation	N/A ⁹	Various - in the vicinity of current and historical infrastructure (e.g. beneath buildings, roadways, paths, carparks etc)	TRH, BTEXN, PAH, phenols, heavy metals and asbestos	Historical	Residual contamination in soils beneath the site and possible leakage and migration into or via soil, surface water and / or preferential pathways.

5.2 Current Understanding of Nature and Extent of Contamination

Previous sampling, site inspections and a review of historical uses and reports for the site and surrounding areas indicate that there is a low potential for site contamination to exist at the site. This is a preliminary understanding only and limited soil sampling (by others) has been undertaken at the site. Furthermore, the soil sampling undertaken by URS was in relation to a future use as a commercial/industrial site and soil analytical results have not been compared to residential guidelines.

Verification through supplementary soil sample collection and analysis, in relation to the proposed future residential development, particularly in the soil mound in Lot 4002, and in areas where TRH and benzo(a)pyrene were previously reported in Lot 3002, should be considered.

5.3 Potential Receptors and Exposure Pathways

Senversa understands the site is proposed to be redeveloped for residential land uses. On this basis, the following table describes the potential receptors to site contamination (if present) and possible pathways for exposure.

Table 5.2: Potential Receptors and Exposure Pathways

Receptor	Potential Pathway	Potentially Affected Media
Future site users (residential)	Direct dermal contact.	Soil and surface water.
	Inhalation (dust, vapours) Ingestion.	Soil and surface water.
Future construction and maintenance workers	Direct dermal contact.	Soil and surface water.
	Inhalation (dust, vapours).	Soil and surface water.
	Accidental ingestion.	Soil and surface water.
Ecological receptors (Terrestrial)	Ingestion and direct contact/uptake from upper 2 m of soil profile.	Soil and surface water.

It is noted that groundwater and soil vapour have been excluded as a potentially affected media, and there is a low potential for groundwater contamination to exist under the site, based on the following:

- The likely absence of soil contamination at the site.
- The site is located up-hydraulic gradient from the known contamination beneath the former Holden factory (i.e. groundwater is flowing away from the site towards the north-west).
- The GPA established relating to vehicle manufacturing at the former Holden factory ends at the southern boundary of the former factory, across John Rice Avenue.



6.0 Adopted Assessment Guidelines

Sections 6.1 to 6.2 outline the assessment criteria that should be adopted for the proposed future residential land use, as informed by the environmental setting described in **Section 2.0**, and the preliminary CSM described in **Section 5.0**.

6.1 Soil Assessment Guidelines

6.1.1 Land Use Scenario

The *National Environment Protection (Assessment of Site Contamination) Measure 1999* (updated 2013) (ASC NEPM) provides a range of human health and ecological investigation and screening criteria for generic land use settings to establish the need for further assessment or development of a site management strategy.

Considering the site is proposed to be developed for residential purposes, the following land use scenarios and their criteria have been adopted:

- *Setting A: Residential with garden/accessible soil (home grown produce <10% fruit and vegetable intake (no poultry), also includes childcare centres, preschools and primary schools.*
- *Setting B: Residential with minimal opportunities for soil access; includes dwellings with fully and permanently paved yard space such as high-rise buildings and apartments.*

6.1.2 Adopted Soil Assessment Guidelines

Table 6.1 presents the adopted soil assessment guidelines based on the potential source-pathway-receptor linkages outlined in **Section 5.0** and the proposed residential development (consistent with the ASC NEPM).

Table 6.1: Adopted Soil Assessment Guidelines

Receptor	Adopted Soil Quality Assessment Guidelines
Human Health	<p>Schedule B(1) of the ASC NEPM provides a range of investigation levels for the protection of human health, referred to as Health-based Investigation Levels (HILs); Health Screening Levels (HSLs) are provided for BTEX and petroleum hydrocarbons. HILs and HSLs are provided for four generic land use settings. As indicated above, HILs and HSLs for Setting A and Setting B should be considered for the assessment of the site.</p> <p>ASC NEPM HILs are generic to all soil types and generally apply to a depth of 3 m below the surface.</p> <p>The HSLs published in the ASC NEPM (for TRH F1 and F2, BTEX and naphthalene) were derived for typical petroleum fuel mixtures (petrol and/or diesel) with consideration to the solubility limits of these mixtures and for volatile petroleum hydrocarbon compounds. They are generally not appropriate for the assessment of hydrocarbon impacts from non-petroleum sources. HSLs should be used to assess the potential for petroleum hydrocarbon impacts in soil to present a risk to human health via a vapour intrusion pathway. The most conservative HSLs for coarse grained textured soils (0 – 1 m) should be adopted for initial screening purposes.</p> <p>In addition, direct contact and intrusive worker HSLs should be adopted from Friebe and Nadebaum (2011) to assess these exposure and receptor scenarios.</p> <p>HILs and HSLs are not intended for use as default remediation trigger criteria, but rather are intended to prompt an appropriate site-specific assessment of risk if they are exceeded.</p> <p>Regional Screening Levels (RSLs) published by the US EPA should be adopted for chemicals for which HILs or HSLs are not specified (as relevant).</p>



Receptor	Adopted Soil Quality Assessment Guidelines
Ecological Protection	<p>In order to assess the risk posed to ecological receptors by site soils, the ASC NEPM Ecological Investigation Levels (EIL) and Ecological Screening Levels (ESLs) should be adopted. The ASC NEPM specifies the following ecologically based investigation and/or screening levels:</p> <ul style="list-style-type: none"> • Derivation of site-specific EILs for arsenic, chromium III, copper, DDT, naphthalene, nickel, lead and zinc; • The generic EIL for benzo(a)pyrene of 0.7 mg/kg will be replaced by the Canadian soil quality guidelines for the protection of environmental and human health (CCME, 2010) with a value of 20 mg/kg, which has been derived from more recent toxicology data (as endorsed by EPA); and • ESLs for BTEX and petroleum hydrocarbon fractions. <p>The EILs and ESLs for <i>urban residential/public open space</i> should be adopted. EILs and ESLs are typically applied to the upper 2 m of the soil profile.</p>
Aesthetics and Built Structures	<p>Given the future use of the site, the aesthetic quality of soil should also be considered. Assessment of the aesthetic characteristics of the soil should be completed through:</p> <ul style="list-style-type: none"> • A visual assessment of soil textures and the nature and quantity of anthropogenic materials; and • Application of the ASC NEPM management limits (the most conservative management limits for coarse grained textured for <i>Residential, parkland and public open space</i> land uses have been adopted).

6.2 Groundwater Assessment Guidelines

Groundwater results will be assessed against recognised Australian and International screening levels based on the establishment of relevant environmental values of groundwater for the Assessment Area – as detailed below.

6.2.1 Environmental Values of Groundwater

The Environment Protection (Water Quality) Policy 2015 (as amended 2018) (EPP) sets out the regulatory requirements for the protection of water bodies in South Australia, including but not limited to inland surface, marine, and underground water (groundwater). The EPP also defines a range of environmental values (EVs) of waters. In respect to groundwater environments, Schedule 1 of the EPP defines the following EVs:

- Drinking water for human consumption.
- Primary industries – Irrigation and general water use.
- Primary industries – Livestock drinking water.
- Primary industries – Aquaculture and human consumption of aquatic food.

Whilst not listed in Schedule 1 of the EPP, the following EVs are also considered to be relevant to groundwater and are typically considered in contamination assessments:

- Aquatic ecosystems including marine and inland surface water.
- Recreation and aesthetics.
- Industrial.

The EVs considered appropriate for the assessment of groundwater analytical results within the Assessment Area have been determined based on the process detailed in the GAR. This process involved the selection of appropriate EVs based on a staged assessment as outlined below.



6.2.1.1 Determination of Groundwater Environmental Values from the EPP

An assessment of background groundwater salinity indicated that expected TDS values in groundwater in the vicinity of the site based on data from the *WaterConnect* database were considered likely to range from approximately 500 mg/L to 3,000 mg/L (refer to Lotsearch in **Appendix A**).

Based on this information, the following EVs were considered relevant for the assessment:

- Drinking water for human consumption.
- Primary industries (irrigation and general use).
- Primary industries (livestock drinking water).
- Primary industries (aquaculture and human consumption of aquatic foods).

6.2.1.2 Determination of Environmental Values for Surface Water Interaction

The following surface water bodies were identified within a 2 km buffer zone of the site as required by the GAR:

- Little Para River (approximately 600 m south of the site)

Accordingly, the following EVs are considered relevant for the assessment:

- Aquatic ecosystems (fresh).
- Recreation (non-domestic).

6.2.1.3 Assessment of Local Groundwater Use

A search of the *WaterConnect* database for registered groundwater bores within a 2 km radius of the site was included in the Lotsearch report (**Appendix A**) and identified 424 registered wells. As described in **Section 2.4**, the bores were listed as being used for:

- domestic (16)
- drainage (1)
- environmental (10)
- exploration (9)
- foundations (6)
- geothermal energy (1)
- investigation/monitoring/observation (231)
- irrigation (98)
- managed aquifer recharge (1)
- recreational (3)
- river (1)
- stock (21)
- town water supply (2)

Some of the registered bores had no listed purpose.

Based on the review of the data, the following EVs were adopted:

- Drinking water for human consumption.
- Primary industries (irrigation and general use).
- Primary industries (livestock drinking water).
- Primary industries (aquaculture and human consumption of aquatic foods).



6.2.1.4 Summary of Selected Environmental Values

Based on the assessment conducted in accordance with the GAR as presented in **Sections 6.2.1.1 to 6.2.1.3** above, the assessment of groundwater will consider the following environmental values:

- Drinking water for human consumption.
- Primary industries (irrigation and general use).
- Primary industries (livestock drinking water).
- Aquatic ecosystems (fresh).
- Recreation (non-domestic).

Primary industries (aquaculture and human consumption of aquatic foods) has been excluded for the purposes of this investigation on the basis of there being no known use of groundwater for this purpose in the vicinity of the site.

6.2.2 HSLs for Vapour Intrusion

HSLs adopted for this site are based on the proposed residential land use, with sand soil. As depth to groundwater beneath the site is unknown, all HSL depth ranges should be applied until confirmed.

The relevant HSLs have been selected as follows:

- Depth to groundwater: 0 – 1 m bgl, 1 – 2 m bgl, 2 – 4 m bgl and greater than 4 m bgl (depth to groundwater should be confirmed and then applicable depth ranges applied).
- Land use: residential (low and high density).
- Soil type: sand (selected to be conservative).

6.2.3 Adopted Groundwater Assessment Guidelines

The adopted investigation and screening levels for the assessment of groundwater are detailed in **Table 6.2**.

Table 6.2: Adopted Groundwater Assessment Guidelines

Receptor	Adopted Groundwater Assessment Guidelines
Drinking Water	NHMRC, 2022, <i>Australian Drinking Water Guidelines V3.8</i> for health and aesthetics should be used to assess this EV of groundwater.
Primary Industries – Irrigation (and general water uses)	ANZECC/ARMCANZ, 2000. <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality, October 2000</i> should be used to assess this EV of groundwater (long term trigger values).
Ecological Receptors	ANZECC/ARMCANZ, 2000. <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality, October 2000</i> should be used to assess this EV of groundwater (freshwater 95% species protection).
Recreation (non-domestic)	NHMRC, 2019. <i>Guidelines for Managing Risks in Recreational Waters</i> should be used to assess potential risks associated with this EV of groundwater.
Industrial	Potential health risks associated with industrial use of groundwater will be assessed using guidelines adopted for recreational and aesthetic values as described above – which are considered to be conservative given incidental ingestion and exposure to the volumes of water provided for in recreational guideline values is unlikely to be realised in an occupational setting.
Human Health (vapour intrusion)	The potential for soil vapour contamination and intrusion associated with groundwater contaminated with petroleum hydrocarbons beneath the assessment area will be assessed through comparison with screening levels for petroleum sources. The specific screening levels that should be adopted consist of the following: <ul style="list-style-type: none"> • NEPM HSLs for residential (setting A & B) land uses for sand and all depth ranges. RSLs published by the US EPA will be adopted for chemicals for which HSLs are not specified (as relevant).



7.0 Conclusions and Recommendations

Based on the results of this PSI, Senversa conclude that a limited number of PCAs and AESs were identified to exist associated with the current and historical use of the site and surrounding properties.

The identified PCAs and AESs on-site include the following:

- Agricultural activities – associated with the historical use of the site and surrounding land.
- General spraying of pesticides/herbicides for maintenance – associated with the current and historical use as vacant allotments.
- Fill or soil importation – associated with the service pits in Lot 3002 and the soil mound in Lot 4002.
- Unauthorised dumping of fill/rubbish – associated with Lot 4002.

Relevant potential COIs associated with these activities include TRH, BTEX, PAH, phenols, heavy metals, OCPs, OPPs, herbicides, insecticides, nutrients and asbestos.

Previous sampling, site inspections and a review of historical uses and environmental assessment reports for the site and surrounding areas indicate that there is a low potential for site contamination to exist at the site, and low potential for known contamination at surrounding properties (former Holden factory, Genis Steel, service stations) to have impacted the site.

It should be noted that this is a preliminary understanding only and limited soil sampling (by others) has been undertaken at the site. Furthermore, the soil sampling undertaken by URS was in relation to a future use as a commercial/industrial site and soil analytical results were not compared to residential guidelines.

Verification through supplementary soil sample collection and analysis, in relation to the proposed future residential development, particularly in the vicinity of the soil mound observed in Lot 4002, and in areas where TRH and benzo(a)pyrene were previously reported in Lot 3002, should be considered.



8.0 Principles and Limitations of Investigation

The following principles are an integral part of site contamination assessment practices and are intended to be referred to when resolving any ambiguity or exercising such discretion as is accorded the user or site assessor.

Area	Principle and Limitation
Elimination of Uncertainty	Some uncertainty is inherent in all site investigations. Furthermore, any sample, either surface or subsurface, taken for chemical testing may or may not be representative of a larger population or area. Professional judgment and interpretation are inherent in the process, and even when exercised in accordance with objective scientific principles, uncertainty is inevitable. Additional assessment beyond that which was reasonably undertaken may reduce the uncertainty.
Failure to Detect	Even when site investigation work is executed competently and in accordance with the appropriate Australian guidance, such as the National Environment Protection (Assessment of Site Contamination) Amendment Measure ('the NEPM'), it must be recognised that certain conditions present especially difficult target analyte detection problems. Such conditions may include, but are not limited to, complex geological settings, unusual or generally poorly understood behaviour and fate characteristics of certain substances, complex, discontinuous, random, or heterogeneous distributions of existing target analytes, physical impediments to investigation imposed by the location of services, structures and other man-made objects, and the inherent limitations of assessment technologies.
Limitations of Information	The effectiveness of any site investigation may be compromised by limitations or defects in the information used to define the objectives and scope of the investigation, including inability to obtain information concerning historic site uses or prior site assessment activities despite the efforts of the user and assessor to obtain such information.
Chemical Analysis Error	Chemical testing methods have inherent uncertainties and limitations. Senversa routinely seeks to require the laboratory to report any potential or actual problems experienced, or non-routine events which may have occurred during the testing, so that such problems can be considered in evaluating the data.
Level of Assessment	The investigation herein should not be considered to be an exhaustive assessment of environmental conditions on a property. There is a point at which the effort required to obtain information is outweighed by the time required to obtain that information, and, in the context of private transactions and contractual responsibilities, may become a material detriment to the orderly conduct of business. If the presence of target analytes is confirmed on a property, the extent of further assessment is a function of the degree of confidence required and the degree of uncertainty acceptable in relation to the objectives of the assessment.
Comparison with Subsequent Inquiry	The justification and adequacy of the findings of this investigation in light of the findings of a subsequent inquiry should be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made.
Data Useability	Investigation data generally only represent the site conditions at the time the data were generated. Therefore, the usability of data collected as part of this investigation may have a finite lifetime depending on the application and use being made of the data. In all respects, a future reader of this report should evaluate whether previously generated data are appropriate for any subsequent use beyond the original purpose for which they were collected, or are otherwise subject to lifetime limits imposed by other laws, regulations or regulatory policies.
Nature of Advice	The investigation works herein are intended to develop and present sound, scientifically valid data concerning actual site conditions. Senversa does not seek or purport to provide legal or business advice.



8.1 Project Specific Uncertainties

Specific uncertainties and limitations noted for this investigation are as follows:

- The assessment is based on a review of the condition of the assessment area at the time of investigation and Senversa's conclusions presented in this report are therefore based on the information available during the assessment.
- The scope of work performed as part of this assessment may not be appropriate to satisfy the needs of any other person. Any other person's use of, or reliance on, the findings, conclusions, recommendations, or any other material presented herein, is at that person's sole risk.



9.0 References


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- EPA, 2019. Guidelines for the assessment and remediation of site contamination. November 2019.
- Gerges, 2006. Overview of the hydrogeology of the Adelaide Metropolitan Area.
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- Sheard and Bowman 1996. Soils stratigraphy and engineering geology of the Adelaide Plains.
- State Planning Commission, 2021. Practice Direction 14, Site Contamination Assessment.
- URS (2014a) Preliminary Site Investigation, Lot 4002 John Rice Avenue, Elizabeth South, South Australia, 18 August 2014.
- URS (2014b) Preliminary Site Investigation, Lot 3002 Porter Street, Salisbury, South Australia, 18 August 2014.



Figures

Figure 1: Site Location and Features





Legend

- Site Boundary
- Site Feature
- ⊗ Stormwater Pit
- Site Feature
- Unsealed Track

Created:	M. Black	Date:	16/08/2024
Reviewed:	I.Cescato	Revision:	0
Approved:	T. Paparella	Scale:	1:2,400 (A3)
File:	A21816_002_F001_Site Location and Features		

0

12.5

25

50

75

100

125

Metres

Coordinate System: GDA2020 MGA Zone 54

Figure No:

1

Title:

Site Location and Features

Project:

Preliminary Site Investigation - Elizabeth South

Location:

Lot 4002 John Rice Avenue, Elizabeth South and Lot 3002 Porter Street, Salisbury, South Australia

Client:

Renewal SA



Appendix A: LotSearch Report



LOTSEARCH

LOTSEARCH ENVIRO LITE

Date: 07 Aug 2024 10:05:53

Reference: LS059564 EL

Address: Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

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

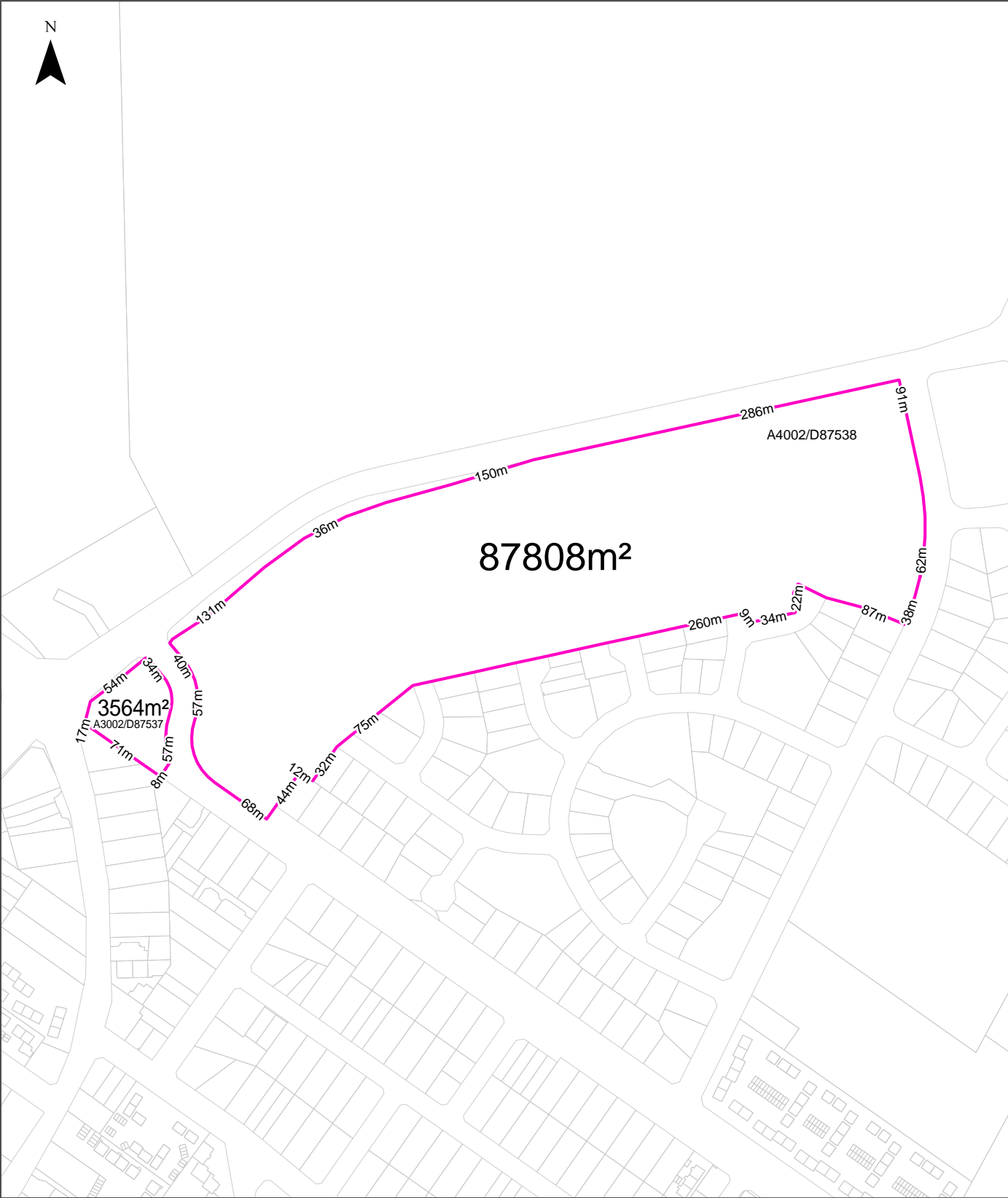
Datasets contained within this report, detailing their source and data currency:

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
SA Cadastre	Land Services SA	31/05/2024	31/05/2024	Quarterly	-	-	-	-
EPA Site Contamination Index	Environment Protection Authority SA	22/07/2024	22/07/2024	Monthly	1000m	0	26	35
EPA Environmental Protection Orders	Environment Protection Authority SA	05/08/2024	05/08/2024	Monthly	1000m	0	1	2
EPA Environmental Authorisations	Environment Protection Authority SA	05/08/2024	05/08/2024	Monthly	1000m	0	16	36
Contamination Assessment Areas	Environment Protection Authority SA	07/06/2024	07/06/2024	Quarterly	1000m	0	2	2
EPA Groundwater Prohibition Areas	Environment Protection Authority SA	06/08/2024	02/04/2024	Monthly	1000m	0	1	1
EPA PFAS Site Investigations	Environment Protection Authority SA	18/07/2024	30/04/2024	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Australian Department of Defence	18/07/2024	29/02/2024	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Australian Department of Defence	18/07/2024	29/02/2024	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	18/07/2024	18/07/2024	Monthly	2000m	0	0	0
Defence Controlled Areas	Australian Department of Defence	17/07/2024	17/07/2024	Quarterly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Australian Department of Defence	05/08/2024	02/09/2022	Quarterly	2000m	0	0	1
National Unexploded Ordnance (UXO)	Australian Department of Defence	17/07/2024	17/07/2024	Quarterly	2000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	29/04/2024	29/11/2022	Annually	1000m	0	0	3
EPA Collection Depots	Environment Protection Authority SA	07/06/2024	20/08/2022	Quarterly	1000m	0	0	1
National Liquid Fuel Facilities	Geoscience Australia	20/09/2023	07/09/2020	Annually	1000m	0	2	4
Historical Business Directories (Premise & Intersection Matches)	Hardie Grant, Sands & McDougall			Not required	150m	0	2	11
Historical Business Directories (Road & Area Matches)	Hardie Grant, Sands & McDougall			Not required	150m	-	12	40
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant, Sands & McDougall			Not required	500m	0	0	3
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant, Sands & McDougall			Not required	500m	-	4	7
Mines and Mineral Deposits	SA Department for Energy and Mining	06/05/2024	06/05/2024	Quarterly	1000m	0	0	1
Hydrogeology Map of Australia	Geoscience Australia	17/04/2024	19/08/2019	Annually	1000m	1	1	1
Groundwater Aquifers	SA Department for Environment and Water	28/06/2024	01/01/2008	Annually	1000m	1	1	1
Drillholes	SA Department for Environment and Water	07/05/2024	17/04/2024	Quarterly	2000m	3	11	424
Surface Geology 1:100,000	SA Department for Energy and Mining	01/05/2024	12/12/2020	Annually	1000m	1	1	2
Geological Linear Structures 1:100,000	SA Department for Energy and Mining	01/05/2024	11/12/2020	Annually	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agricultural and Resource Economics and Sciences	12/01/2024	17/02/2011	Annually	1000m	1	1	1
Soil Types	SA Department for Environment and Water	30/04/2024	18/02/2020	Annually	1000m	1	1	1
Atlas of Australian Acid Sulfate Soils	CSIRO	12/01/2024	21/02/2013	Annually	1000m	1	1	1

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Acid Sulfate Soil Potential	SA Department for Environment and Water	27/05/2024	18/02/2020	Annually	1000m	1	1	1
Soil Salinity - Watertable Induced	SA Department for Environment and Water	06/12/2023	18/02/2020	Annually	1000m	1	1	1
Soil Salinity - Non-watertable	SA Department for Environment and Water	06/12/2023	18/02/2020	Annually	1000m	1	1	1
Soil Salinity - Non-watertable (magnesia patches)	SA Department for Environment and Water	06/12/2023	18/02/2020	Annually	1000m	1	1	1
Planning and Design Code - Zones	Attorney-General's Department	22/07/2024	04/07/2024	Monthly	1000m	2	3	11
Planning and Design Code - Subzones	Attorney-General's Department	22/07/2024	23/05/2024	Monthly	1000m	0	0	1
Land Use Generalised 2020	SA Department for Trade and Investment	04/12/2023	05/05/2023	Annually	1000m	1	8	15
Commonwealth Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	20/10/2023	13/04/2022	Annually	1000m	0	0	1
National Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	20/10/2023	13/04/2022	Annually	1000m	0	0	0
State Heritage Areas	SA Department for Environment and Water	28/05/2024	18/02/2020	Annually	1000m	0	0	0
SA Heritage Places	SA Department for Environment and Water	29/07/2024	01/02/2024	Quarterly	1000m	0	1	6
Aboriginal Land	SA Department for Energy and Mining	28/05/2024	26/09/2022	Annually	1000m	0	0	0
Planning and Design Code - Overlays - Bushfire	SA Department for Trade and Investment	22/07/2024	22/07/2024	Monthly	1000m	0	0	0
Bushfires and Prescribed Burns History	SA Department for Environment and Water	29/07/2024	26/04/2024	Monthly	1000m	0	0	0
Planning and Design Code - Overlays - Flooding	SA Department for Trade and Investment	22/07/2024	22/07/2024	Monthly	1000m	2	2	2
Native Vegetation Floristic Areas - NVIS - State-wide	SA Department for Environment and Water	19/04/2024	14/02/2022	Annually	1000m	0	0	0
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Terrestrial	Australian Department of Climate Change, Energy, the Environment and Water	04/03/2024	30/06/2022	Annually	1000m	0	0	0
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Marine	Australian Department of Climate Change, Energy, the Environment and Water	04/03/2024	30/06/2022	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems Atlas	Bureau of Meteorology	28/05/2024	28/05/2024	Annually	1000m	0	0	1
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	28/05/2024	28/05/2024	Annually	1000m	0	0	1
Ramsar Wetland Areas	SA Department for Environment and Water	16/05/2024	11/04/2024	Annually	1000m	0	0	0

Site Diagram

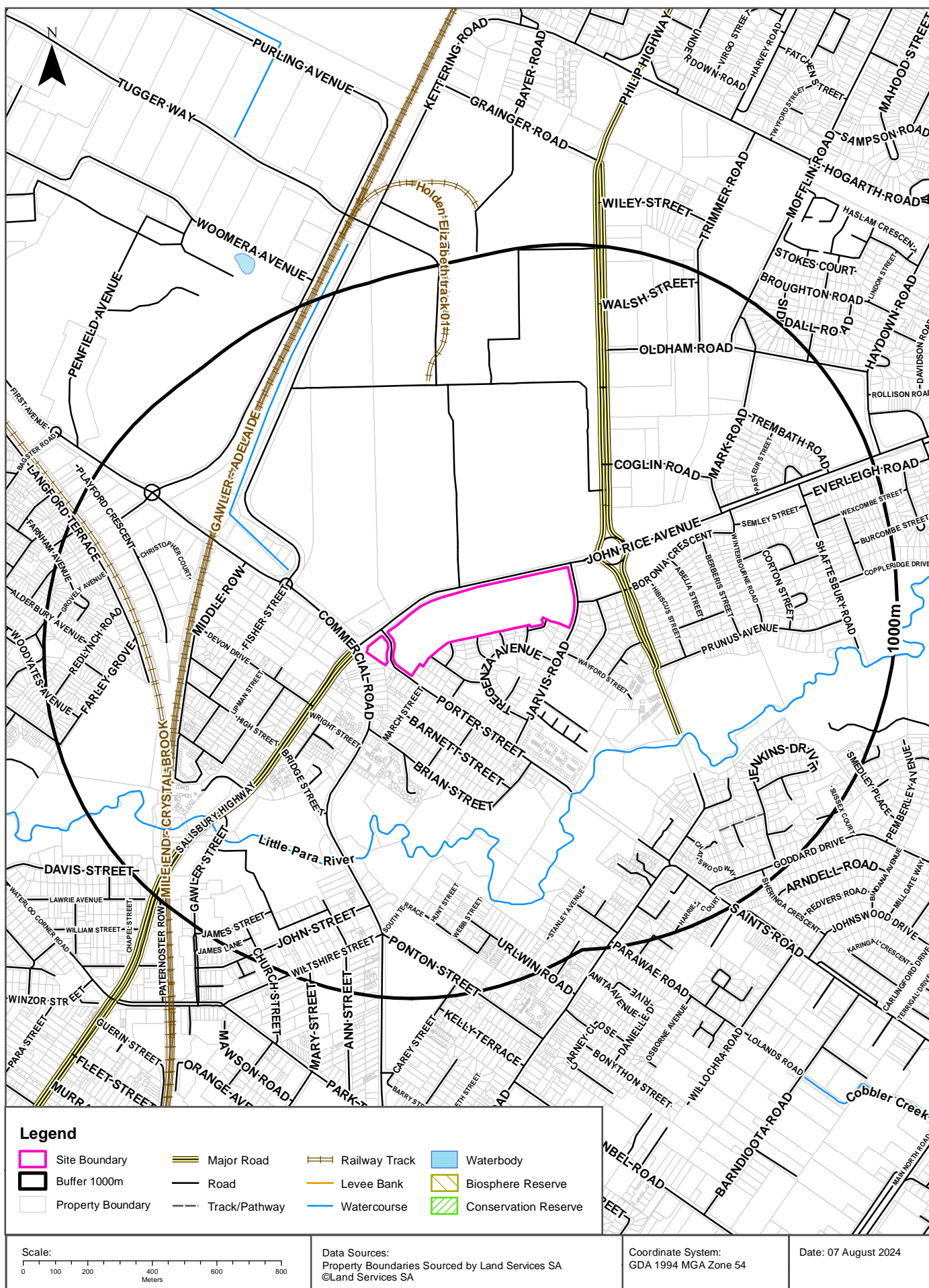
Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Legend <div><div></div> Site Boundary</div> <div><div></div> Internal Parcel Boundaries</div>	Total Area: 91372m ² Total Perimeter: 1.78km Disclaimers: 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: <div><div></div><div>02550100150200</div><div>Meters</div></div> <div>Data Sources: Property Boundaries Sourced by Land Services SA ©Land Services SA</div> <div><div>Coordinate System: GDA 1994 MGA Zone 54</div><div>Date: 06 August 2024</div></div>
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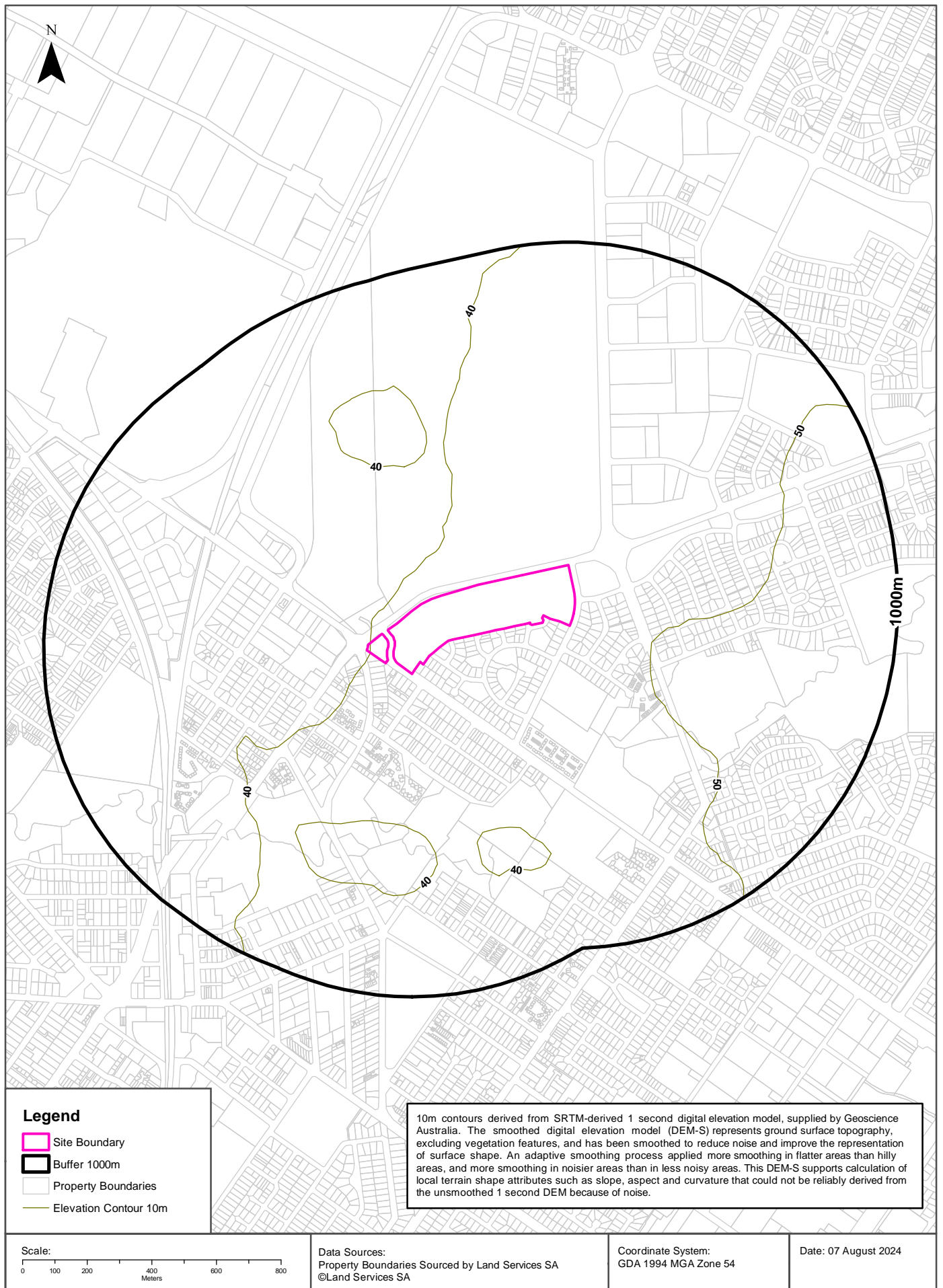
Topographic Features

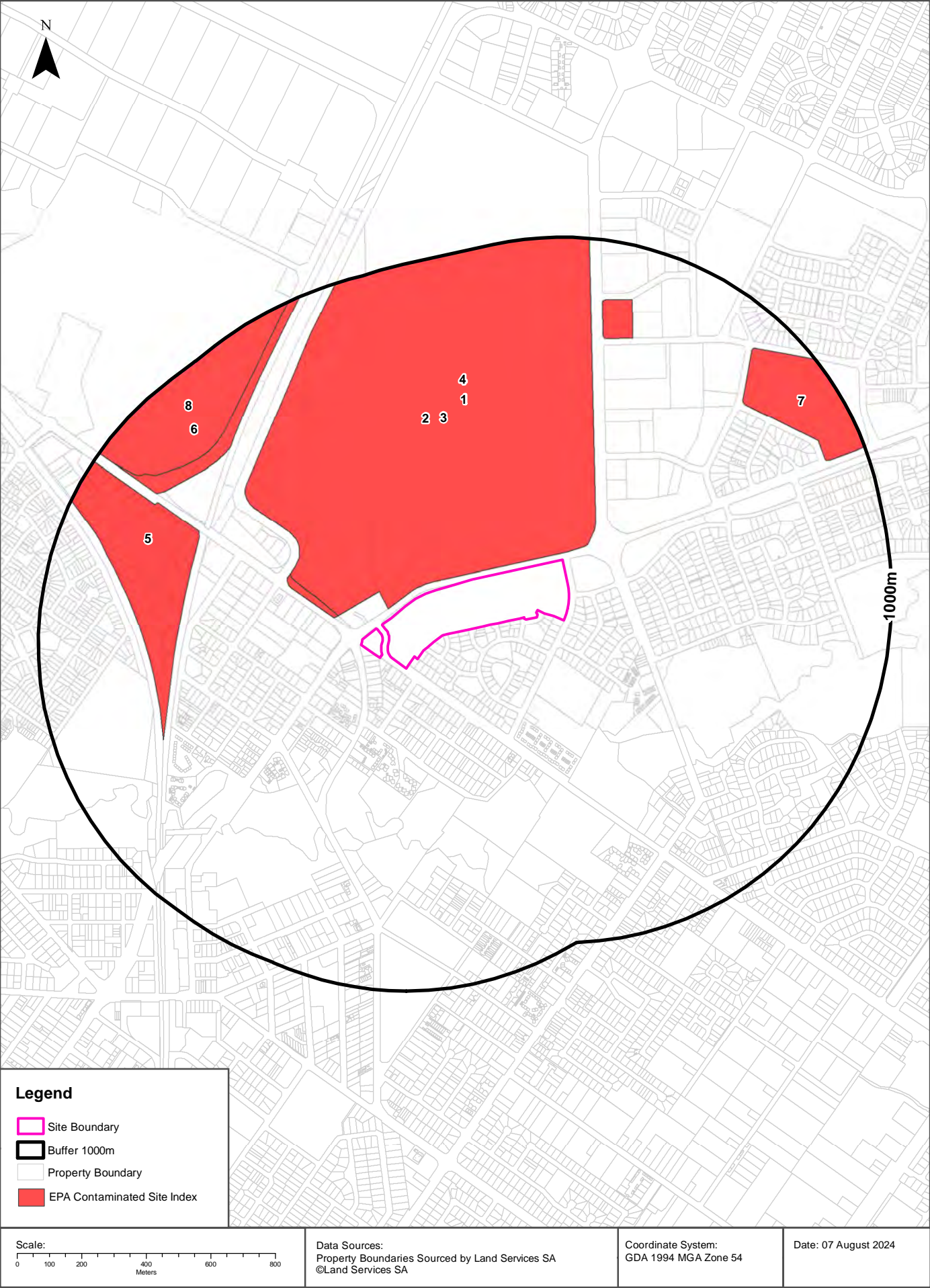
Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Elevation Contours

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112





EPA Contaminated Land

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

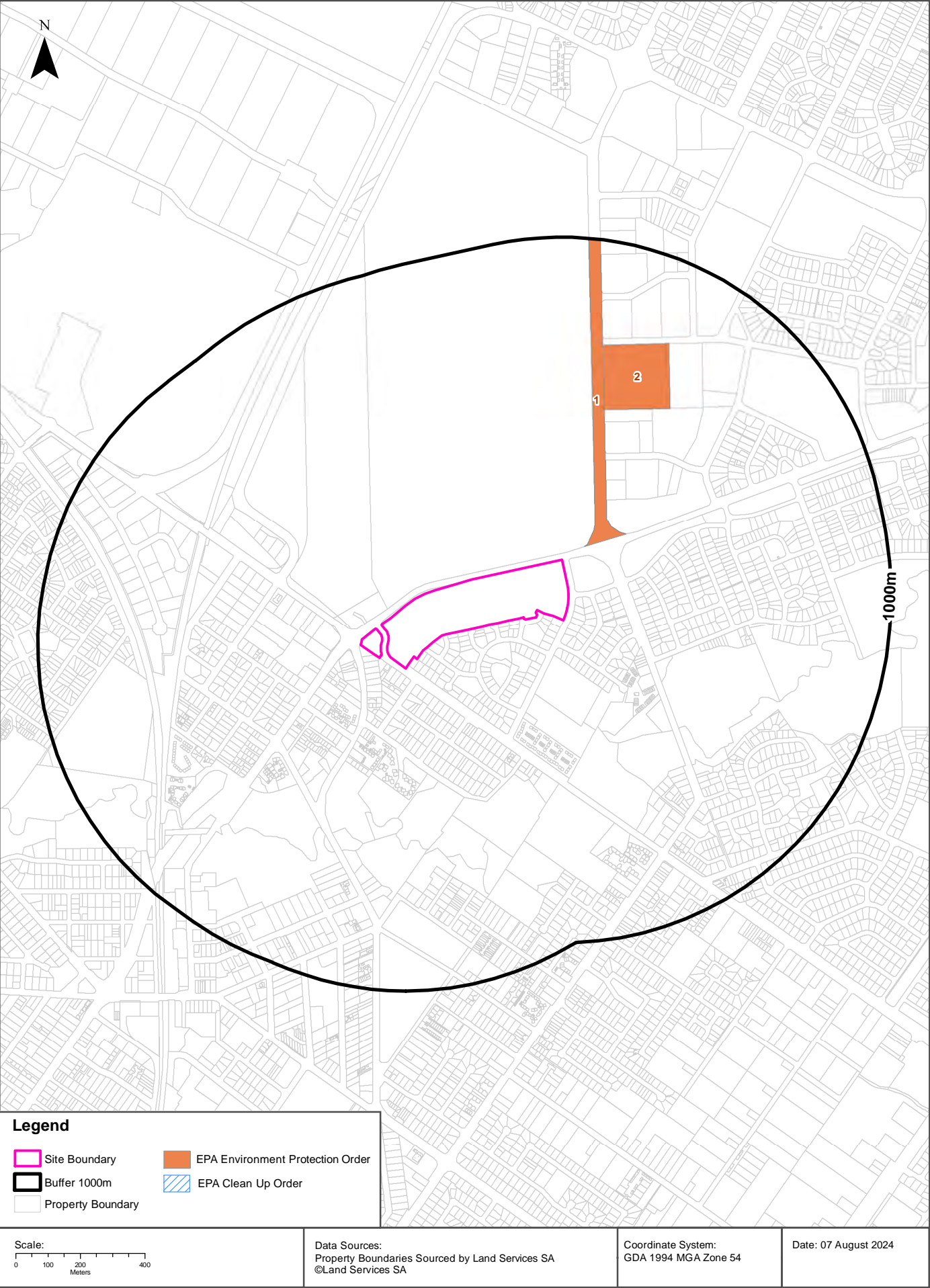
EPA Site Contamination Index

Sites on the EPA Contamination Index within the dataset buffer:

Map ID	Notification No	Type	Address	Activity	Status	LocConf	Dist	Dir
1	61102 - 09	S83A Notification	180 Philip Highway ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	61102 - 03	S83A Notification	Various Titles Philip Highway ELIZABETH SOUTH SA 5112	Not recorded	Current EPA List	Premise Match	20m	North
	61102 - 07	S83A Notification	180 Philip Highway ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	61102 - 01	S83A Notification	Lot 12 Grainger Roads ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	61102 - 11	S83A Notification	180 Philip Highway ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	61102 - 04	S83A Notification	Various Titles Grainger Roads ELIZABETH SOUTH SA 5112	Not recorded	Current EPA List	Premise Match	20m	North
	61102 - 10	S83A Notification	180 Philip Highway ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	61102 - 05	S83A Notification	Philip Highway ELIZABETH SOUTH SA 5112	Not recorded	Current EPA List	Premise Match	20m	North
	61102 - 08	S83A Notification	180 Philip Highway ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	61102 - 06	S83A Notification	180 Philip Highway ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	61102 - 02	S83A Notification	Lot 12 Philip Highway ELIZABETH SOUTH SA 5112	Not recorded	Current EPA List	Premise Match	20m	North
2	60010 - 07	S83A Notification	Commercial Road ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	60010 - 04	S83A Notification	Commercial Road ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	60010 - 01	S83A Notification	Commercial Road ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	60010 - 03	S83A Notification	Commercial Road ELIZABETH SOUTH SA 5112	Not recorded	Current EPA List	Premise Match	20m	North
	60010 - 06	S83A Notification	Commercial Road ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	60010 - 08	S83A Notification	Commercial Road ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	60010 - 02	S83A Notification	Commercial Road ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	60010 - 05	S83A Notification	Commercial Road ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
3	60824	Audit Notification	Lots 10 & 61 Commercial Road and Lot 12 Grainger Road ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	62107	Voluntary Proposal	180 Philip Highway ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	61608	109 Notification	180 Philip Highway ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	60824 - 001	Audit Report	Lots 10 & 61 Commercial Road and Lot 12 Grainger Road ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	61905	Voluntary Proposal	180 Philip Highway ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
	12057	S83 Notification	Philip Highway ELIZABETH SA 5112	Not recorded	Current EPA List	Premise Match	20m	North
4	61428	Voluntary Proposal	180 & 185 Philip Highway ELIZABETH SOUTH SA 5112	Motor vehicle manufacture	Current EPA List	Premise Match	20m	North
5	12032	SAHC	Lots 14, 15 & 16 Bagsters Road SALISBURY NORTH SA 5108	Not recorded	Current EPA List	Premise Match	566m	West
6	17975	109 Notification	Sites 2-3, DSTO SALISBURY SA 5108	Not recorded	Current EPA List	Premise Match	714m	North West

Map ID	Notification No	Type	Address	Activity	Status	LocConf	Dist	Dir
6	10021	Pre 1 July 2009 Audit Notification	D.S.T.O. & R.A.A.F. First Street EDINBURGH SA 5111	Not recorded	Current EPA List	Premise Match	714m	North West
	10021 - 001	Pre 1 July 2009 Audit Report	D.S.T.O. & R.A.A.F. First Street EDINBURGH SA 5111	Not recorded	Current EPA List	Premise Match	714m	North West
7	60666	109 Notification	Lot 1 Haydown Road ELIZABETH VALE SA 5112	Pest control works	Current EPA List	Premise Match	741m	North East
8	18075	Pre 1 July 2009 Audit Termination	6-30 Woomera Avenue EDINBURGH SA 5111	Not recorded	Current EPA List	Premise Match	754m	North West
	18075	Pre 1 July 2009 Audit Notification	6-30 Woomera Avenue EDINBURGH SA 5111	Not recorded	Current EPA List	Premise Match	754m	North West
	60118	Audit Notification	6-30 Woomera Avenue EDINBURGH SA 5111	Not recorded	Current EPA List	Premise Match	754m	North West
	60118	Audit Termination	6-30 Woomera Avenue EDINBURGH SA 5111	Not recorded	Current EPA List	Premise Match	754m	North West

Site Contamination Index Data Source: EPA South Australia



EPA Public Register

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

EPA Environment Protection and Clean Up Orders

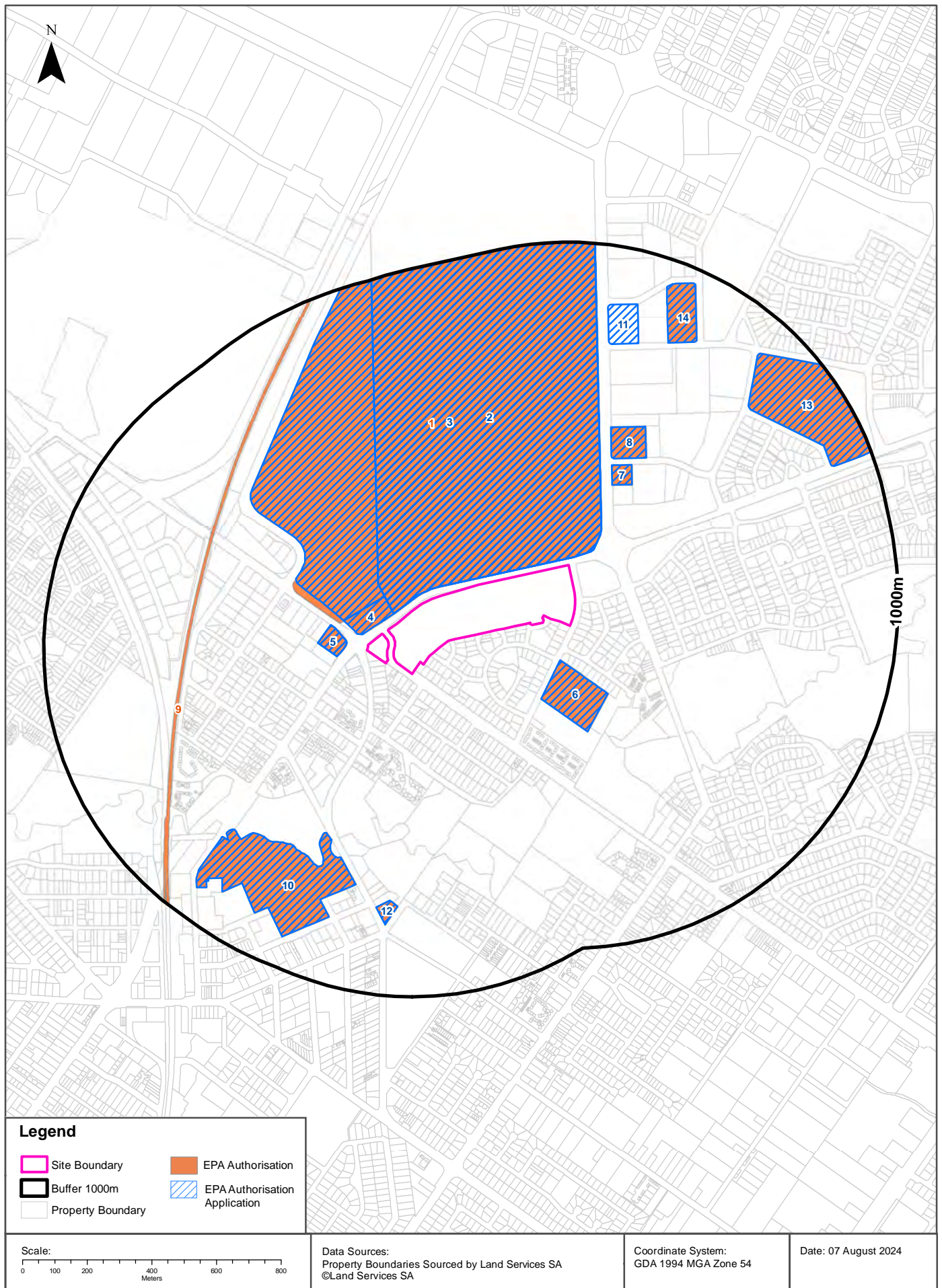
EPA Environment Protection and Clean Up Orders, within the dataset buffer:

Map ID	Record No.	Record Type	Record Status	Entity	Site Address	Activity	EPA Register Status	LocConf	Dist	Dir
1	27610	ENVIRONMENT PROTECTION ORDER	ISSUED		Philip Highway, Elizabeth South SA 5112	Supplied beverages in containers bearing a refund marking to a retailer knowing there was no waste management arrangement in place for the containers.	Current EPA Register	Road Match	80m	North East
2	11867	ENVIRONMENT PROTECTION ORDER	COMPLIED	SAFCOL Australia Pty Ltd	Phillip Highway, Elizabeth South SA 5112	Caused or permitted the discharge of spoiled cream, into the stormwater system.	Current EPA Register	Premise Match	484m	North East

Authorisations Data Source: EPA South Australia

EPA Authorisations and Applications

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



EPA Public Register

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

EPA Authorisations and Applications

EPA Authorisations and Authorisation Applications within the dataset buffer:

Map ID	Record No.	Record Type	Record Status	Entity	Site Address	Activity	EPA Register Status	LocConf	Dist	Dir
1	14448	EXEMPTION	Cancelled	GM HOLDEN LTD		Vehicle Production	Current EPA Register	Premise Match	20m	North
	462	LICENCE	Surrendered	GM HOLDEN LTD	Philip Highway, ELIZABETH SOUTH SA 5112	Activities producing listed wastes, Fuel burning not coal or wood, Surface coating works (spray painting or powder coating), Vehicle production works	Current EPA Register	Premise Match	20m	North
2	LSL25J ZZZFX	LICENCE APPLICATION	Authorisation Updated	UNITED PETROLEUM PTY LTD	180 Philip Highway, ELIZABETH SOUTH SA 5112	Petrol stations	Current EPA Register	Premise Match	20m	North
	50375	LICENCE	Surrendered	SPARK INFRASTRUCTURE SA (NO1) PTY LIMITED, SPARK INFRASTRUCTURE SA (NO2) PTY LIMITED, SPARK INFRASTRUCTURE SA (NO3) PTY LIMITED, CKI UTILITIES DEVELOPMENT LIMITED, PAI UTILITIES DEVELOPMENT LIMITED	180 Philip Highway, ELIZABETH SOUTH SA 5112	Fuel burning not coal or wood	Current EPA Register	Premise Match	20m	North
	LNW77 1IO3N	WORKS APPROVAL APPLICATION	Authorisation Updated	SPARK INFRASTRUCTURE SA (NO1) PTY LIMITED, SPARK INFRASTRUCTURE SA (NO2) PTY LIMITED, SPARK INFRASTRUCTURE SA (NO3) PTY LIMITED, CKI UTILITIES DEVELOPMENT LIMITED, PAI UTILITIES DEVELOPMENT LIMITED	180 Phillip Highway, ELIZABETH SOUTH SA 5112	Fuel burning not coal or wood	Current EPA Register	Premise Match	20m	North
	LNL24I G3B8	LICENCE APPLICATION	Authorisation Updated	SPARK INFRASTRUCTURE SA (NO1) PTY LIMITED, SPARK INFRASTRUCTURE SA (NO2) PTY LIMITED, SPARK INFRASTRUCTURE SA (NO3) PTY LIMITED, CKI UTILITIES DEVELOPMENT LIMITED, PAI UTILITIES DEVELOPMENT LIMITED	180 Philip Highway, ELIZABETH SOUTH SA 5112	Fuel burning not coal or wood	Current EPA Register	Premise Match	20m	North

Map ID	Record No.	Record Type	Record Status	Entity	Site Address	Activity	EPA Register Status	LocConf	Dist	Dir
2	50374	WORKS APPROVAL	Expired	SPARK INFRASTRUCTURE SA (NO1) PTY LIMITED, SPARK INFRASTRUCTURE SA (NO2) PTY LIMITED, SPARK INFRASTRUCTURE SA (NO3) PTY LIMITED, CKI UTILITIES DEVELOPMENT LIMITED, PAI UTILITIES DEVELOPMENT LIMITED	180 Phillip Highway, ELIZABETH SOUTH SA 5112	Fuel burning not coal or wood	Current EPA Register	Premise Match	20m	North
3	LNL10 DNBER	LICENCE APPLICATION	Authorisation Updated	NEXT ENVIRONMENTAL PTY LTD	180 Phillip Highway, ELIZABETH SOUTH SA 5112	Ferrous and non-ferrous metal melting works,Waste lead battery treatment works	Current EPA Register	Premise Match	20m	North
	51927	LICENCE	Issued	NEXT ENVIRONMENTAL PTY LTD	180 Phillip Highway, ELIZABETH SOUTH SA 5112	Ferrous and non-ferrous metal melting works,Waste lead battery treatment works	Current EPA Register	Premise Match	20m	North
4	ENL0A 2G0J	LICENCE APPLICATION	Authorisation Updated	SHAHIN ENTERPRISES PTY. LTD.	100 & 100A John Rice Avenue, ELIZABETH SOUTH SA 5112	Petrol stations	Current EPA Register	Premise Match	31m	West
	51108	LICENCE	Issued	ON THE RUN PTY LTD	100 & 100A John Rice Avenue, ELIZABETH SOUTH SA 5112	Petrol stations	Current EPA Register	Premise Match	31m	West
	50940	LICENCE	Transferred	SHAHIN ENTERPRISES PTY. LTD.	100 & 100A John Rice Avenue, ELIZABETH SOUTH SA 5112	Petrol stations	Current EPA Register	Premise Match	31m	West
5	51565	LICENCE	Issued	ANDRASH SALISBURY PTY LTD	1-3 Salisbury Highway, SALISBURY SA 5108	Petrol stations	Current EPA Register	Premise Match	66m	West
	LNL916 2DDA	LICENCE APPLICATION	Authorisation Updated	ANDRASH SALISBURY PTY LTD	1-3 Salisbury Highway, SALISBURY SA 5108	Petrol stations	Current EPA Register	Premise Match	66m	West
	ENL3B 2NMP	LICENCE APPLICATION	Authorisation Updated	UNITED PETROLEUM PTY LTD	1-3 Salisbury Highway, SALISBURY SA 5108	Petrol stations	Current EPA Register	Premise Match	66m	West
	50867	LICENCE	Issued	UNITED PETROLEUM PTY LTD	1-3 Salisbury Highway, SALISBURY SA 5108	Petrol stations	Current EPA Register	Premise Match	66m	West
6	205	LICENCE	Issued	CLINPATH LABORATORIES PTY. LTD.	25 Jarvis Road, ELIZABETH VALE SA 5112	Activities producing listed wastes	Current EPA Register	Premise Match	111m	South East
	17102	LICENCE	Issued	CALVARY HEALTH CARE ADELAIDE LIMITED	25-37 Jarvis Road, ELIZABETH VALE SA 5112	Activity producing listed waste	Current EPA Register	Premise Match	111m	South East
	LSL10 DHKGE	LICENCE APPLICATION	Authorisation Updated	CLINPATH LABORATORIES PTY. LTD.	25 Jarvis Road, ELIZABETH VALE SA 5112	Activities producing listed wastes	Current EPA Register	Premise Match	111m	South East
7	LNL48 RHNAY	LICENCE APPLICATION	Authorisation Updated	ALGUM PTY. LIMITED	195 Philip Highway, ELIZABETH SOUTH SA 5112	Waste Recovery Facility	Current EPA Register	Premise Match	283m	North East
	51547	LICENCE	Issued	ALGUM PTY. LIMITED	195 Philip Highway, ELIZABETH SOUTH SA 5112	Waste Recovery Facility	Current EPA Register	Premise Match	283m	North East
8	43702	LICENCE	Surrendered	BARKUMA INCORPORATED	Allotment 701 (DP 81151) Coglin Road, ELIZABETH SOUTH, 5112, SA	Waste recycling depot (waste for resource recovery or transfer)	Current EPA Register	Premise Match	358m	North East
	43702	LICENCE APPLICATION	Proceed To Authorisation	Barkuma Incorporated	Allotment 701 (DP 81151) Coglin Road, Elizabeth South SA 5112	Waste recycling depot (waste for resource recovery or transfer)	Current EPA Register	Premise Match	358m	North East
9	35622	LICENCE	Surrendered	LAING O'ROURKE AUSTRALIA CONSTRUCTION PTY LTD	Various Locations Along The Adelaide Metropolitan Rail Network, SA	Railway operations	Current EPA Register	Network of Features	547m	West

Map ID	Record No.	Record Type	Record Status	Entity	Site Address	Activity	EPA Register Status	LocConf	Dist	Dir
10	50794	LICENCE	Issued	EG FUELCO (AUSTRALIA) LIMITED	68-84 John Street, SALISBURY SA 5108	Petrol stations	Current EPA Register	Premise Match	556m	South West
	ENL2A AWI6	LICENCE APPLICATION	Authorisation Updated	EG FUELCO (AUSTRALIA) LIMITED	68-84 John Street, SALISBURY SA 5108	Petrol stations	Current EPA Register	Premise Match	556m	South West
11	LSL25J ZZFX	LICENCE APPLICATION	Authorisation Updated	UNITED PETROLEUM PTY LTD	185 Philip Highway, ELIZABETH SOUTH SA 5112	Petrol stations	Current EPA Register	Premise Match	698m	North East
12	50940	LICENCE	Transferred	SHAHIN ENTERPRISES PTY. LTD.	51-55 Commercial Road, SALISBURY SA 5108	Petrol stations	Current EPA Register	Premise Match	705m	South
	ENL0A 2G0J	LICENCE APPLICATION	Authorisation Updated	SHAHIN ENTERPRISES PTY. LTD.	51-55 Commercial Road, SALISBURY SA 5108	Petrol stations	Current EPA Register	Premise Match	705m	South
	51108	LICENCE	Issued	ON THE RUN PTY LTD	51-55 Commercial Road, SALISBURY SA 5108	Petrol stations	Current EPA Register	Premise Match	705m	South
13	641	LICENCE APPLICATION	Proceed To Authorisation	Lyell McEwin Health Services	Haydown Road, Elizabeth Vale SA 5112	Fuel burning not coal or wood, Helicopter landing facilities	Current EPA Register	Premise Match	741m	North East
	641	LICENCE	Issued	NORTHERN ADELAIDE LOCAL HEALTH NETWORK	Allotment 1, Haydown Road, ELIZABETH VALE SA 5112	Activity producing listed waste, Fuel burning not coal or wood, Helicopter landing facilities	Current EPA Register	Premise Match	741m	North East
	2609	LICENCE	Issued	SA PATHOLOGY	Haydown Road, ELIZABETH VALE SA 5112	Activities producing listed wastes	Current EPA Register	Premise Match	741m	North East
14	51573	LICENCE	Issued	EPTEC SERVICES PTY LTD	6 Oldham Road, ELIZABETH SOUTH SA 5112 and Various Locations throughout South Australia	Abrasive blasting, Surface coating works (spray painting or powder coating)	Current EPA Register	Premise Match	754m	North East
	50682	LICENCE	Transferred	AFL SERVICES PTY LTD	6 Oldham Road, ELIZABETH SOUTH SA 5112 and Various Locations throughout South Australia	Abrasive blasting, Surface coating works (spray painting or powder coating)	Current EPA Register	Premise Match	754m	North East
	LNL968 XMHP	LICENCE APPLICATION	Authorisation Updated	AFL SERVICES PTY LTD	6 Oldham Road, ELIZABETH SOUTH SA 5112 and Various Locations throughout South Australia	Abrasive blasting, Surface coating works (spray painting or powder coating)	Current EPA Register	Premise Match	754m	North East

Authorisations Data Source: EPA South Australia

Contamination Assessment and Groundwater Prohibition Areas

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Legend

- Site Boundary
- Buffer 1000m
- Contamination Assessment Area
- EPA Groundwater Prohibition Area
- Property Boundary

Scale:
0 100 200 400
Meters

Data Sources:
Property Boundaries Sourced by Land Services SA
©Land Services SA

Coordinate System:
GDA 1994 MGA Zone 54

Date: 07 August 2024

Contamination Assessment and Groundwater Prohibition Areas

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Contamination Assessment Areas

Contamination Assessment Areas published by the EPA within the dataset buffer:

Map Id	Area Name	Map Link	Status	Location Confidence	Distance	Direction
9	Elizabeth	https://www.epa.sa.gov.au/environmental_info/site_contamination/assessment_areas/general_motors_holden_elizabeth	Currently on EPA list	Premise Match	11m	North
8	Elizabeth South	https://engage.epa.sa.gov.au/elizabeth-south	Removed	Premise Match	20m	North

Assessment Areas Data Source: EPA South Australia

Contamination Assessment and Groundwater Prohibition Areas

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

EPA Groundwater Prohibition Areas

EPA Groundwater Prohibition Areas within the dataset buffer:

Map Id	Site Name	Location Confidence	Distance	Direction
13	Elizabeth South	As Supplied	20m	North

Groundwater ProhibitionAreas Data Source: EPA South Australia

PFAS Investigation & Management Programs

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

EPA PFAS Site Investigations

Sites identified by the EPA as requiring PFAS contamination investigation within the dataset buffer:

Record ID	Site Name	Document Link	Location Confidence	Distance	Direction
N/A	No records in buffer				

EPA PFAS Site Investigations Custodian: EPA South Australia

Defence PFAS Investigation & Management Program Investigation Sites

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

Map ID	Base Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

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

Defence PFAS Investigation & Management Program Management Sites

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

Map ID	Base Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

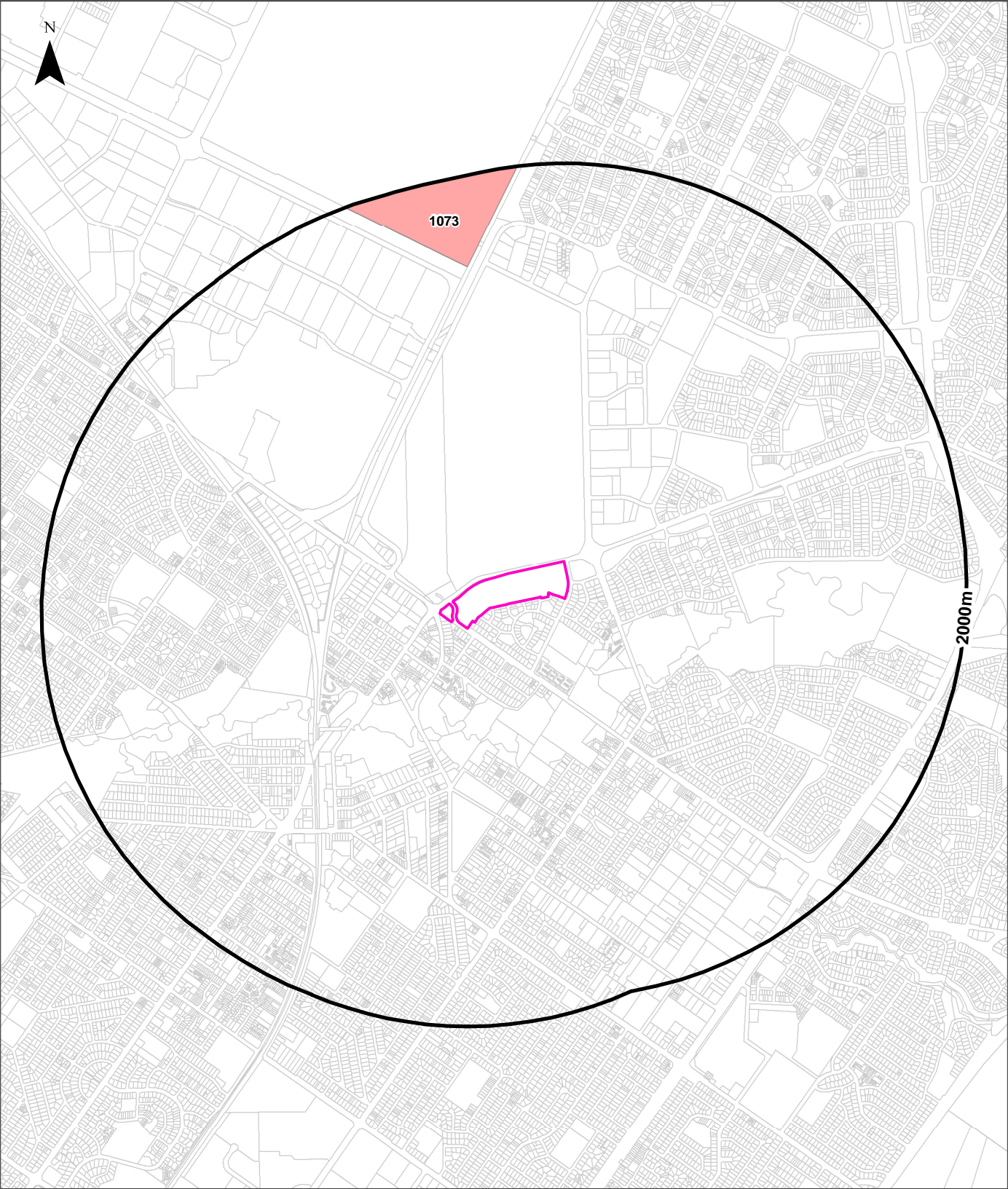
Defence PFAS Investigation & Management Program Data Custodian: Department of Defence, Australian Government

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	Location Confidence	Distance	Direction
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia



Legend

Site Boundary

Buffer 2000m

Property Boundaries

DCA

Defence Controlled Area

Defence 3 Year RCIP

Known Contamination

No Known Contamination

UXO

Substantial Potential

Slight Potential

Remote Potential

Sea Dumping of Depth Charges

Information

Other

Other Sea Dumping Sites

Scale:

01002004006008001,0001,2001,400

Meters

Data Sources:

Property Boundaries Sourced by Land Services SA
©Land Services SA

Coordinate System:

GDA 1994 MGA Zone 54

Date:

07 August 2024

Lotsearch Pty Ltd ABN 89 600 168 018

20

Defence Sites and Unexploded Ordnance

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Defence Controlled Areas (DCA)

Defence Controlled Areas provided by the Department of Defence within the dataset buffer:

Site ID	Location Name	Loc Conf	Dist	Dir
N/A	No records in buffer			

Defence Controlled Areas, Data Custodian: Department of Defence, Australian Government

Defence 3 Year Regional Contamination Investigation Program (RCIP)

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
1073	DSTO Edinburgh	Edinburgh, South Australia	YES	Premise Match	1549m	North

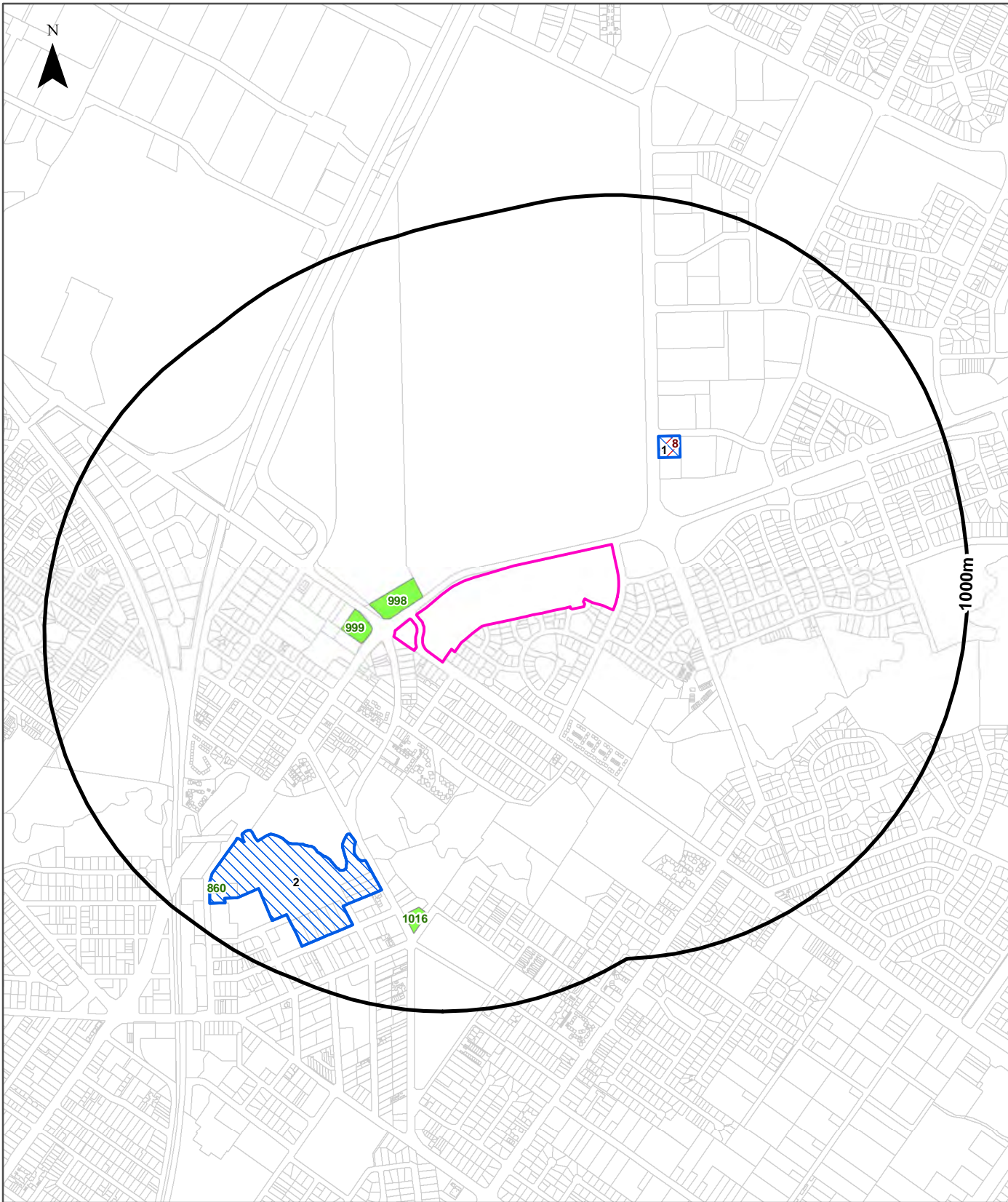
Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

National Unexploded Ordnance (UXO)

Sites which have been assessed by the Department of Defence for the potential presence of unexploded ordnance within the dataset buffer:

Site ID	Location Name	Category	Area Description	Additional Information	Commonwealth	Loc Conf	Dist	Dir
N/A	No records in buffer							

National Unexploded Ordnance (UXO), Data Custodian: Department of Defence, Australian Government



Legend			
Site Boundary	Waste Management Facilities		
Buffer 1000m	Container Collection Depot		
Property Boundary	National Liquid Fuel Facility		
Scale: 		Data Sources: Property Boundaries Sourced by Land Services SA ©Land Services SA	Coordinate System: GDA 1994 MGA Zone 54
		Date: 07 August 2024	

Waste Management and Liquid Fuel Facilities

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

National Waste Management Facilities Database

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

Map ID	Owner	Name	Address	Management Type	Facility Type	Status	Loc Conf	Dist	Dir
1	ELIZABETH RECYCLING	ELIZABETH RECYCLING	195 PHILIP HIGHWAY, ELIZABETH SOUTH	DROP-OFF	CONTAINER DEPOSIT SCHEME DROP-OFF FACILITY	OPERATIONAL	Premise Match	283m	North East
2	WOOLWORTHS	WOOLWORTHS SUPERMARKET	68-84 JOHN STREET, SALISBURY	DROP-OFF	SOFT PLASTICS DROP-OFF FACILITY	OPERATIONAL	Premise Match	556m	South West
	COLES	COLES SUPERMARKET	68-84 JOHN STREET, SALISBURY	DROP-OFF	SOFT PLASTICS DROP-OFF FACILITY	OPERATIONAL	Premise Match	556m	South West

Source: Waste Management Facilities Database

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EPA Approved Container Collection Depots

EPA approved container collection depots within the dataset buffer:

MapId	Name	Address	Suburb	Loc Conf	Distance	Direction
8	Elizabeth Recycling	195 Philip Highway	ELIZABETH SOUTH	Premise Match	283m	North East

Collection Depot Data Source: EPA South Australia

National Liquid Fuel Facilities

National Liquid Fuel Facilities within the dataset buffer:

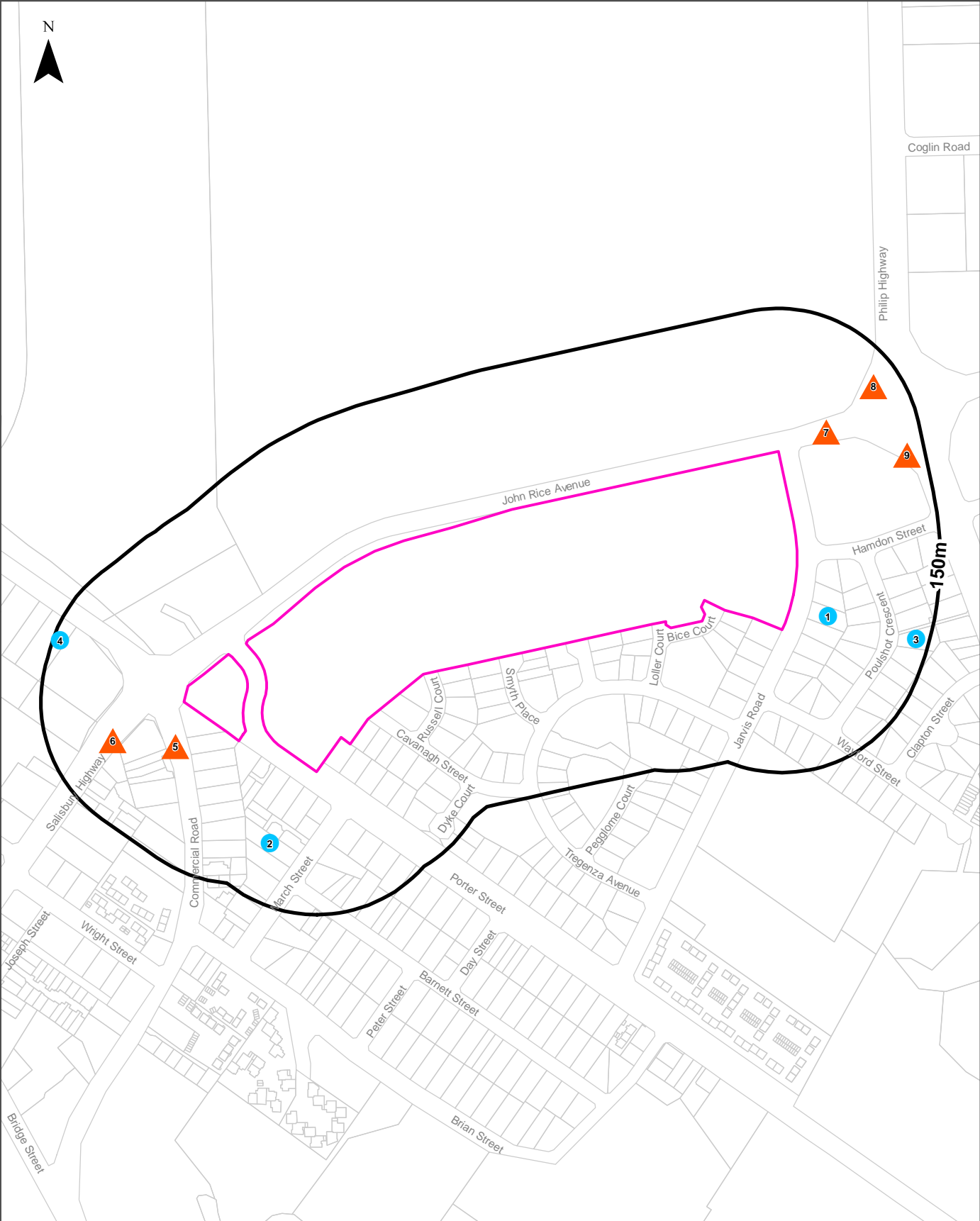
Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist	Dir
998	Peregrine Corporation	Mobil On The Run Elizabeth South	Lot 2 John Rice Avenue	Elizabeth South	Petrol Station	Operational		13/07/2012	Premise Match	31m	West
999	United	Elizabeth South	150 Commercial Road	Elizabeth South	Petrol Station	Operational		25/07/2011	Premise Match	66m	West
1016	Peregrine Corporation	On The Run Commercial Road	55 Commercial Road	Salisbury	Petrol Station	Operational		13/07/2012	Premise Match	705m	South
860	Caltex	Woolworths Caltex Salisbury	39 Gawler Street	Salisbury	Petrol Station	Operational		25/07/2011	Premise Match	858m	South West

National Liquid Fuel Facilities Data Source: Geoscience Australia

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Historical Business Directories

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Legend		Scale: 0 75 150 225 300 Meters	Coordinate System: GDA 1994 MGA Zone 54
Site Boundary	Business directory records mapped to a specific premise		Date: 07 August 2024
Buffer 150m	Business directory records mapped to a road intersection	Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018 Sands & McDougall's Directory - Digitised by State Library Victoria Property Boundaries Sourced by Land Services SA ©Land Services SA	
Property Boundary	Business directory records mapped to a road corridor		
Business directory records mapped to a general area			

Historical Business Directories

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Business Directory Records 1910-1991 Premise or Road Intersection Matches

Potentially contaminative business activities extracted from Universal Business Directory and Sands & McDougall Directory records, from years 1991, 1984, 1973, 1965, 1955, 1950, 1940, 1930, 1920 & 1910, 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	Draughtsmen	Northern Design & Drafting Services, 13 Jarvis Rd Elizabeth Vale. 5112	9579	1984	Premise Match	20m	East
2	CARPENTERS & JOINERS	Ledgard P & D E 14 March st Salisbury	32719	1973	Premise Match	80m	South West
3	CARPENTERS & JOINERS	Wright K 9 Poulshot cres Elizabeth Vale	34170	1973	Premise Match	118m	East
4	Motor Brake Specialists	Adelaide Brake Service, 152 Commercial Rd.,Salisbury 5108	26285	1991	Premise Match	132m	West
	Motor Brake Lining Mfrs &/Or Digs	Adelaide Brake Services, 152 Commercial Rd . Salisbury. 5108	26248	1991	Premise Match	132m	West
	Motor Shock Absorber Specialists	Adelaide Brake Services, 152 Commercial Rd, Salisbury, 5108	28468	1991	Premise Match	132m	West
	Motor Tyre Dealers Retreaders &/Or Vulcanisers	Adelaide Brake Services, 152 Commercial Rd, Salisbury, 5108	28865	1991	Premise Match	132m	West
	Motor Clutch Specialists	Adelaide Brake Services, 152 Commercial Rd., Salisbury. 5108,	26790	1991	Premise Match	132m	West
	Motor Brake &/Or Spare Parts Mfrs &/Or Imps &/Or W/salers	Adelaide Brake Services, 152 Commercial Rd., Salisbury. 5108.	26264	1991	Premise Match	132m	West
	Motor Exhaust Systems &/or Mufflers Mfrs &/or Dists &/or Fitters	Adelaide Brake Services, 152 Commercial Rd., Salisbury. 5108.	27323	1991	Premise Match	132m	West
	Motor Car &/or Truck Dealers - New &/or Used	Jubilee Motors 152 Commercial Rd, Salisbury 5108	17771	1984	Premise Match	132m	West

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Business Directory Records 1910-1991 Road or Area Matches

Potentially contaminative business activities extracted from Universal Business Directory and Sands & McDougall Directory records, from years 1991, 1984, 1973, 1965, 1955, 1950, 1940, 1930, 1920 & 1910, 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:

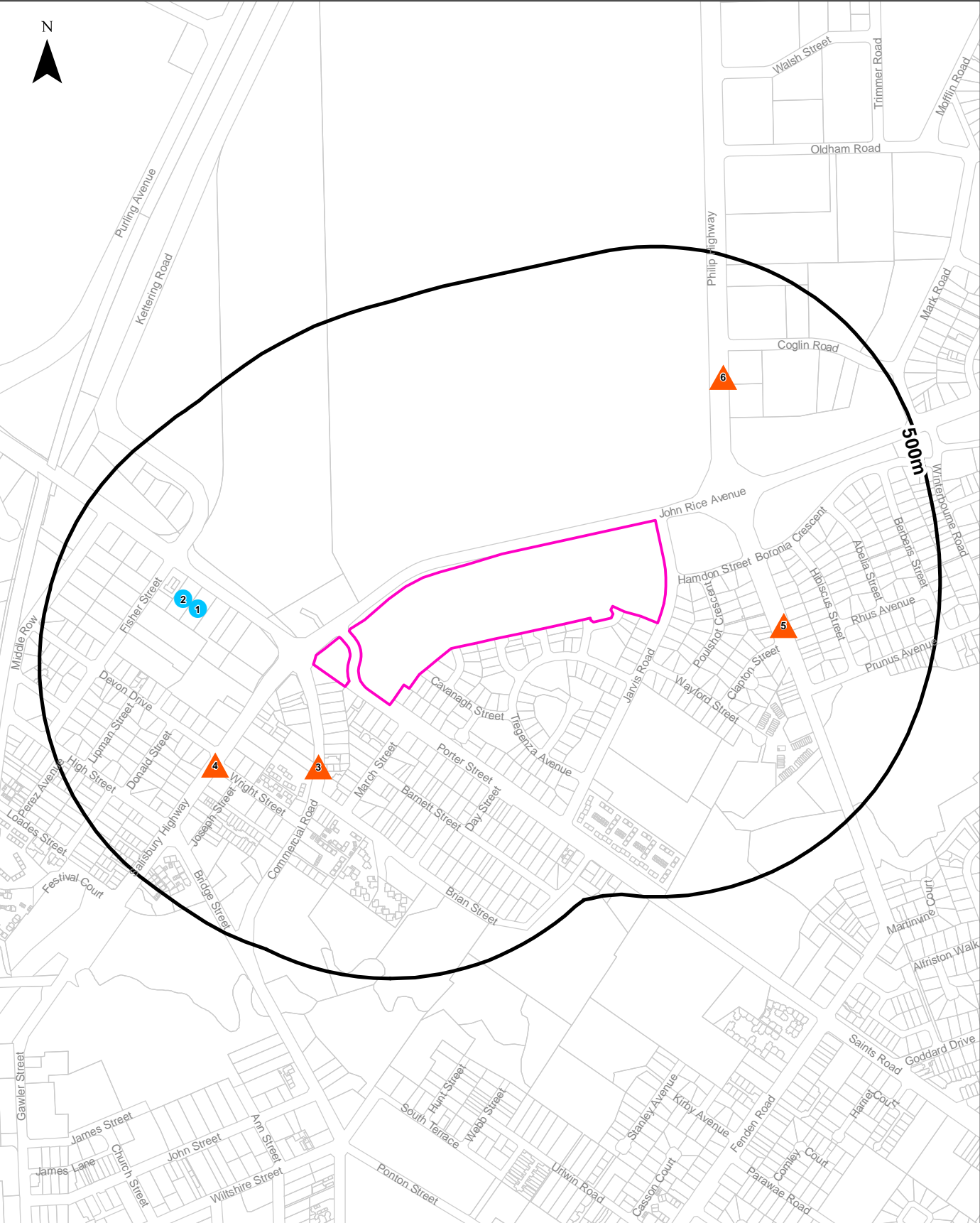
Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
5	Welders	Alvaro Motors, Commercial Rd Salisbury 5108	25938	1984	Road Match	18m
	Motor Brake Specialists	Alvaro Motors, Commerical Rd Salisbury 5108	17624	1984	Road Match	18m
	Motor Garages &/or Engineers &/or Service Stations	Alvaro Motors, Commerical Rd, Salisbury 5108	18145	1984	Road Match	18m
	MOTOR ENGINEERS & REPAIRERS	Casey Crash Repairs Commercial rd Salisbury	12588	1973	Road Match	18m
	MOTOR GARAGES & SERVICE STATIONS	Commercial Road Auto Port 21 Commercial rd Salisbury	15299	1973	Road Match	18m
	ELECTRICIAN & ELECTRICAL CONTRACTORS	Salisbury Electrical Service Commercial rd Salisbury	10788	1973	Road Match	18m
6	Builders &/or Building Contractors	Bivone Constructions 59 Salisbury H'way, Salisbury 5108	2714	1984	Road Match	32m
	Motor Garages &/or Engineers &/or Service Stations	Esso Servicentre - Salisbury, Salisbury H'way., Salisbury. 5108.	18327	1984	Road Match	32m
	Motor Garages &/or Engineers &/or Service Stations	Golden Fleece Service Station - Salisbury, Salisbury H'way., Salisbury. 5108.	18355	1984	Road Match	32m
	MOTOR CARS, TRUCKS & ACCESSORIES	Salisbury Highway Motors Salisbury hwy Salisbury	12426	1973	Road Match	32m
	SEEDSMEN & NURSERYMEN	Goodwin, G. P., Salisbury Rd. Salisbury	32032	1950	Road Match	32m
7	Carriers - Cars &/Or Trucks	Finemores Vehicle Transport Pty. Ltd., John Rice Ave., Elizabeth. 5112	39967	1991	Road Match	35m
8	Motor Car Mfrs &/or Imps &/or Dists	General Motors - Hoidens Sales Pty. Ltd., Philip H'way., Elizabeth South. 5112.	26710	1991	Road Match	101m
	Motor Car Dealers - New &/or Used	General Motors - Holdens Sales Pty. Ltd., Philip H'way., Elizabeth South. 5112	26498	1991	Road Match	101m
	Pipe &/Or Pipe Fittings Mfrs &/Or Dists - Plastic	Hardie plea Pipelines, Phillip H'way., Elizabeth South. 5112.	30492	1991	Road Match	101m
	Motor Car &/Or Truck Mfrs	General Motors - Holdens Ltd, Philip H'way, Elizabeth South 5112	17873	1984	Road Match	101m
	Motor Car &/or Truck Dealers - New &/or Used	General Motors - Holdens Ltd, Philip H'way, Elizabeth South, 5112	17753	1984	Road Match	101m
	Plastic Pipe &/or Fittings Mfrs. &/or Dists.	Hardie-plex Plastics, Philip H' way., Elizabeth South. 5112.	20639	1984	Road Match	101m
	ALUMINIUM & ALUMINIUM PRODUCTS	Austral Bronze Crane Copper P/L Philip hwy Elizabeth South	16099	1973	Road Match	101m
	AUTOMOBILE MANUFACTURERS	General Motors Holdens P/L (Eliz Div) Philip hwy Elizabeth South	18129	1973	Road Match	101m
	MOTOR BODY BUILDERS & REPAIRERS	General Motors-Holdens P/L Philip hwy Elizabeth South	11006	1973	Road Match	101m
	Air Compressors & Tools	Schraeder-Scovill Co Pty Ltd Philip hwy Ells	15206	1973	Road Match	101m
	MOTOR GARAGES & SERVICE STATIONS	Shell Serv Stn Philip hwy Elizabeth South	17689	1973	Road Match	101m
	MOTORS & ACCESSORIES	United Motors Ltd Philip Highway Elizabeth South	13367	1965	Road Match	101m
9	Valve &/or Cock Mfrs &/or Dists	Schrader Automotive Pty Ltd, Philip H'way, Elizabeth Vale, 5112	35944	1991	Road Match	101m
	Motor Accessories Mfrs &/or Imps &/or W/salers	Schrader Automotive Pty. Ltd., Philip H'way., Elizabeth Vale. 5112.	26131	1991	Road Match	101m
	Engineers - General	Schrader Automotive Pty. Ltd., Philip H'way., Elizabeth Vale., 5112	20478	1991	Road Match	101m
	Motor Garages &/or Engineers &/or Service Stations	Mobil South End Service Station, Philip H'way., Elizabeth Vale. 5112.	18446	1984	Road Match	101m








Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
9	Air Conditioning Equipment Mfrs &/or Dists	Schrader Scovill Co Pty Ltd, Philip H'way, Elizabeth Vale 5112	491	1984	Road Match	101m
	Motor Accessories &/Or Spare Parts - Mfrs &/Or W/Salers	Schrader Scovill Co Pty Ltd., Philip H'way Elizabeth Vale 5112	17389	1984	Road Match	101m
	Engineers - General &/or Manufacturing &/or Mechanical	Schrader, Scovill Co. Pty. Ltd., Philip H'way., Elizabeth Vale. 5112.	10762	1984	Road Match	101m
	Valves Mfrs &/Or Dists - Ball Brass	Schrader, Scovin Co Pty Ltd, Philip H'way, Elizabeth Vale, 5112	25698	1984	Road Match	101m
	SEWING MACHINE SALES & SERVICE	Pinnock Manufacturing Co Ltd Philip Highway Elizabeth Vale	36352	1973	Road Match	101m
	BAKERS & CAKE SHOPS & CATERERS	Elizabeth Bakeries Pty Ltd Philip Highway Elizabeth Vale	33568	1965	Road Match	101m
	AUTOMOBILE MANUFACTURERS	General Motors Hoidens PtY Ltd Philip Highway Elizabeth Vale	32526	1965	Road Match	101m
	CLOTHING MANUFACTURERS	Kentish Clothes Ltd Philip Highway Elizabeth Vale	35277	1965	Road Match	101m
	TYRE MANUFACTURERS, SELLERS & REPAIRERS	National Tyre Service Pty Ltd Philip Highway Elizabeth Vale	8200	1965	Road Match	101m
	SEWING MACHINE SALES & SERVICE	Pinnock Manufacturing Co Ltd Philip Highway Elizabeth Vale	52776	1965	Road Match	101m
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	South End Service Station Philip Highway Elizabeth Vale	7832	1965	Road Match	101m
	CLOTHING MANUFACTURERS	Wirth Ernest Ltd Philip Highway Elizabeth Vale	35900	1965	Road Match	101m

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Dry Cleaners, Motor Garages & Service Stations

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Legend		Scale: 0 130 260 390 520 Meters	Coordinate System: GDA 1994 MGA Zone 54
 Site Boundary	 Business directory records mapped to a specific premise		Date: 07 August 2024
 Buffer 500m	 Business directory records mapped to a road intersection	Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018 Sands & McDougall's Directory - Digitised by State Library Victoria Property Boundaries Sourced by Land Services SA ©Land Services SA	
 Property Boundary	 Business directory records mapped to a road corridor		
 Business directory records mapped to a general area			

Historical Business Directories

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Dry Cleaners, Motor Garages & Service Stations 1930-1991 Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories and Sands & McDougall's Directories, from years 1991, 1984, 1973, 1965, 1955, 1950, 1940 & 1930, 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	Perry, Ian Auto Repairs, 158B Commercial Rd., Salisbury. 5108.	18465	1984	Premise Match	210m	West
	MOTOR GARAGES & SERVICE STATIONS	Amoco Australia P/L 158 Commercial rd Salisbury	13427	1973	Premise Match	210m	West
2	Motor Garages & Service Stations	Salisbury Auto Parts Pty Ltd, 160 Commercial Rd, Salisbury, 5108	27835	1991	Premise Match	242m	West

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Dry Cleaners, Motor Garages & Service Stations 1930-1991 Road or Area Matches

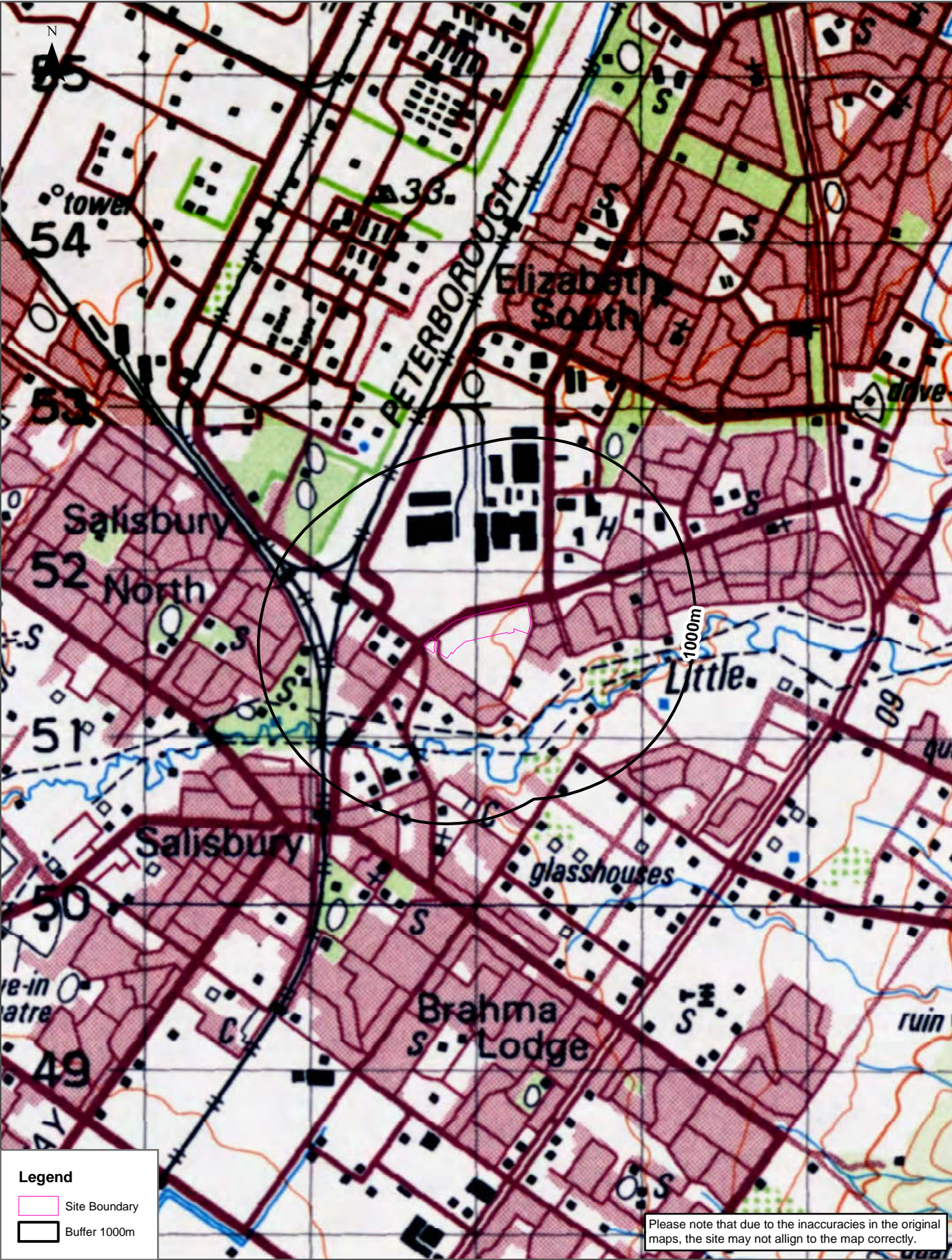
Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories and Sands & McDougall's Directories, from years 1991, 1984, 1973, 1965, 1955, 1950, 1940 & 1930, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, 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
3	Motor Garages &/or Engineers &/or Service Stations	Alvaro Motors, Commerical Rd, Salisbury 5108	18145	1984	Road Match	18m
	MOTOR GARAGES & SERVICE STATIONS	Commercial Road Auto Port 21 Commercial rd Salisbury	15299	1973	Road Match	18m
4	Motor Garages &/or Engineers &/or Service Stations	Esso Servicentre - Salisbury, Salisbury H'way., Salisbury. 5108.	18327	1984	Road Match	32m
	Motor Garages &/or Engineers &/or Service Stations	Golden Fleece Service Station - Salisbury, Salisbury H'way., Salisbury. 5108.	18355	1984	Road Match	32m
5	Motor Garages &/or Engineers &/or Service Stations	Mobil South End Service Station, Philip H'way., Elizabeth Vale. 5112.	18446	1984	Road Match	101m
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	South End Service Station Philip Highway Elizabeth Vale	7832	1965	Road Match	101m
6	MOTOR GARAGES & SERVICE STATIONS	Shell Serv Stn Philip hwy Elizabeth South	17689	1973	Road Match	101m

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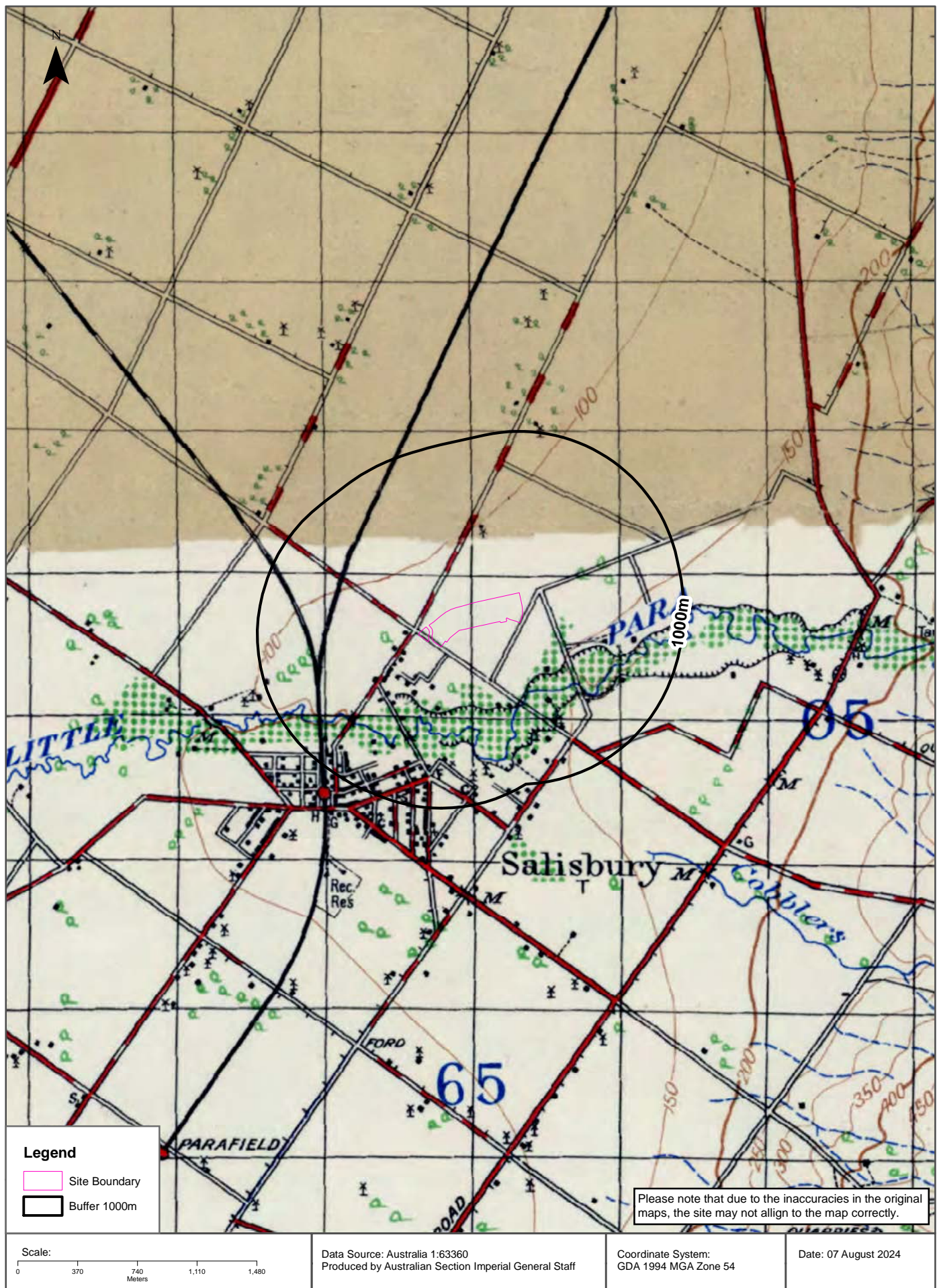
Historical Map 1982

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



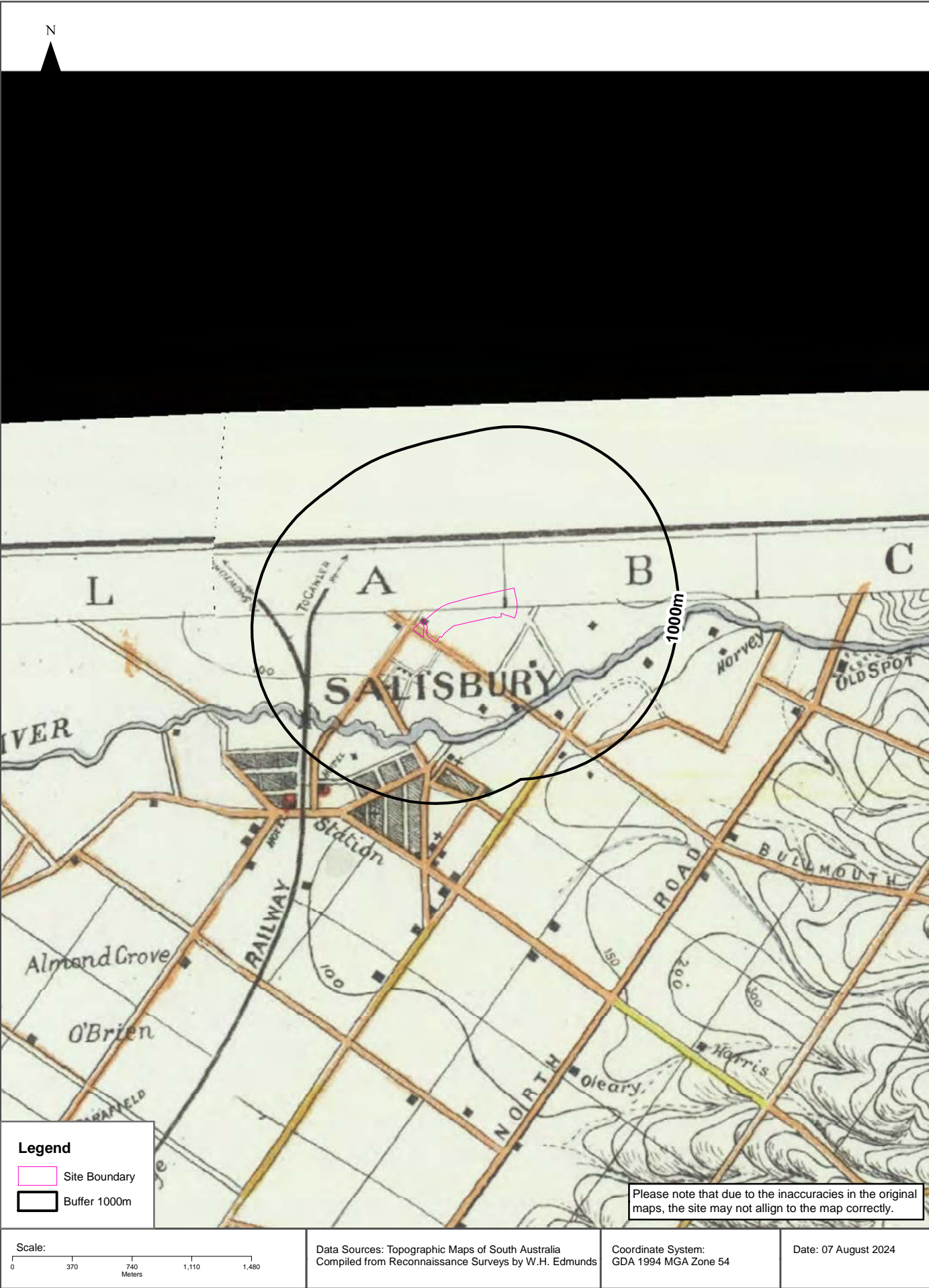
Historical Map c.1937

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



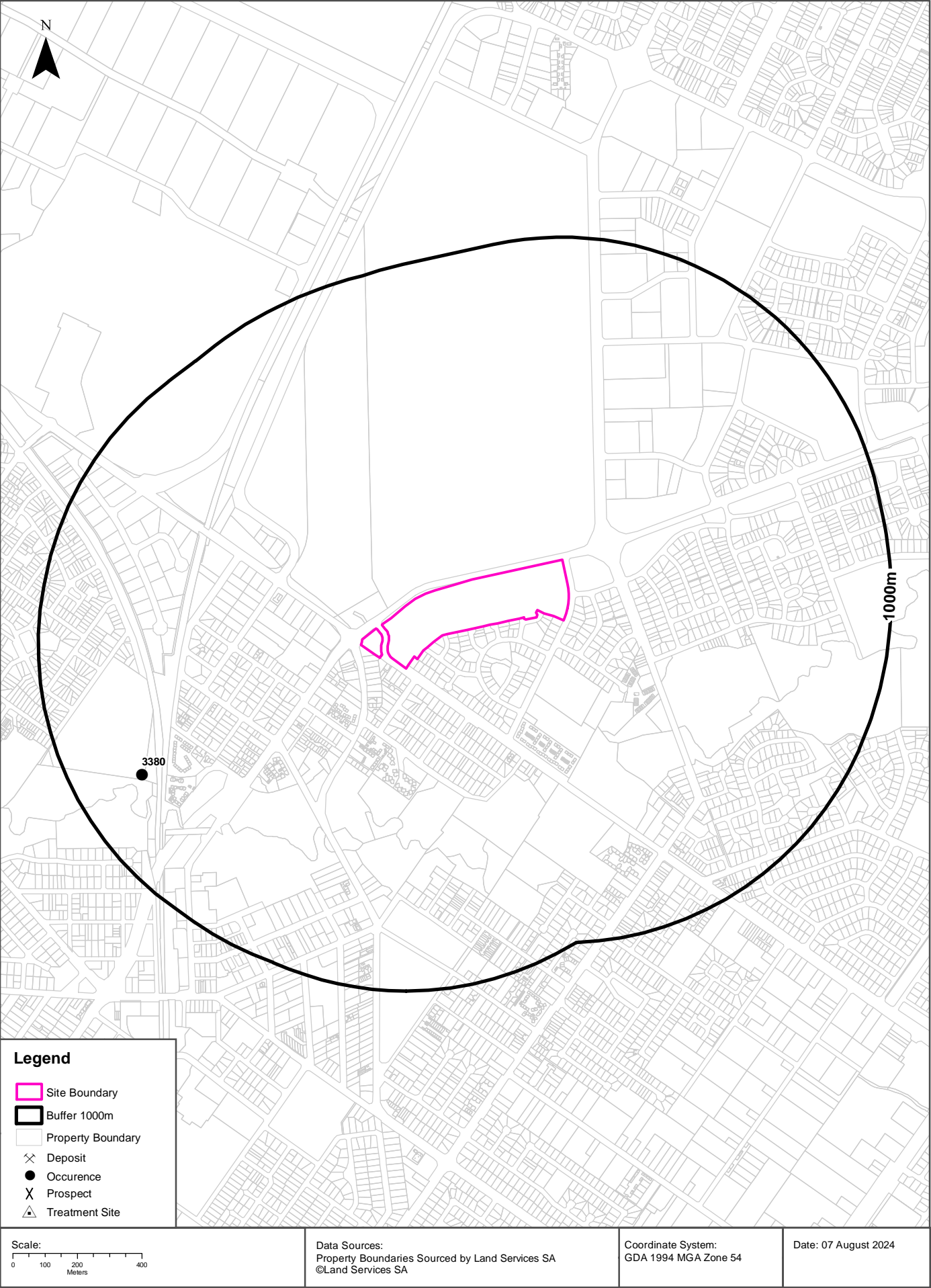
Historical Map 1926

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Mines and Mineral Deposits

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Mining

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Mines and Mineral Deposits

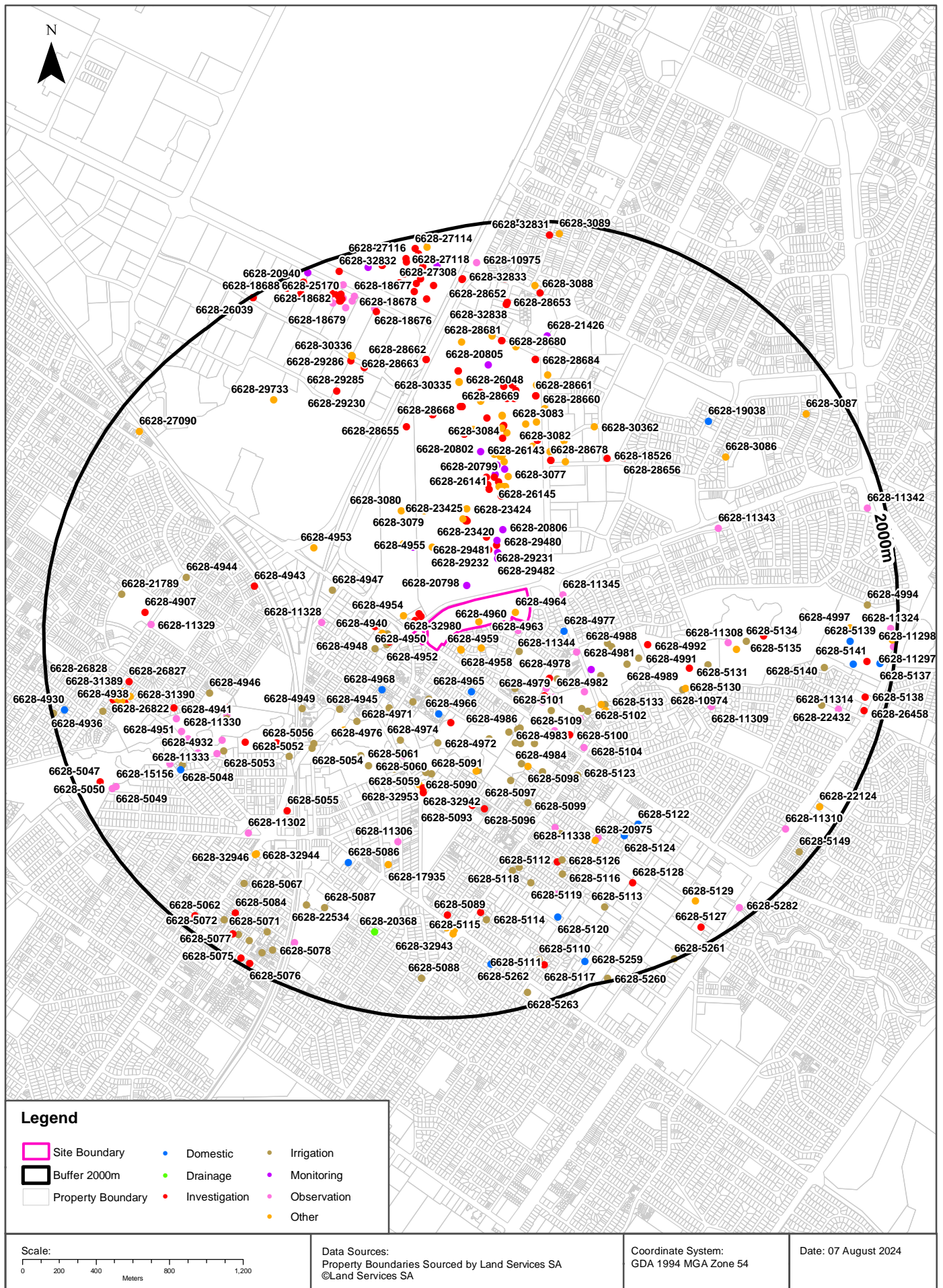
Mines and mineral deposits within the dataset buffer:

Deposit No.	Name	Class	Status	Commodity	Year	Description	Dist	Dir
3380	KUHLMANN'S	OCCURRENCE	Recreation	Clay	1926	clay pit located ~0.8 km north of Salisbury railway station. Clay pit to 4m deep working in 1926 the alluvial flats adjacent to Little Para River.	790m	South West

All Mines and Mineral Deposits Data Source: Dept. of State Development, Resources and Energy - South Australia
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Drillholes

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Hydrogeology & Groundwater

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Distance	Direction
Porous, extensive highly productive aquifers	0m	On-site

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

Groundwater aquifers within the dataset buffer:

Aquifer Code	Description	Distance	Direction
20	Sedimentary Rocks - basins include limestone, often cavernous, sandstone, sand shale and clay	0m	On-site

Groundwater Aquifers Data Source: Dept. of Environment, Water and Natural Resources - South Australia
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Drillholes

Drillholes within the dataset buffer:

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Groun d Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-4960	51929	PARA HOSPITAL 2	Unknown	Exploration	1977-01-18	10.45	38.00									0m	On-site
6628-4961	51930	PARA HOSPITAL 3	Unknown	Exploration	1977-01-20	10.00	39.00									0m	On-site
6628-4964	51933	PARA HOSPITAL 6	Unknown	Exploration	1977-01-27	10.00	41.00									0m	On-site
6628-32982	387666			Investigation	2024-02-08	19.00										46m	West
6628-32981	387648			Investigation	2024-02-07	19.00										47m	West
6628-11344	58313			Observation	1980-02-07	30.00		40.50	7.10	1049	1900					58m	East
6628-32980	387647			Investigation	2024-02-06	19.00										65m	West
6628-4963	51932	PARA HOSPITAL 5	Unknown	Exploration	1977-01-26	10.00	39.00									71m	South East
6628-20798	190007	MW 8	Backfilled	Monitoring	2002-02-22	23.25		37.20					18.90	18.90	18.30	86m	North
6628-4959	51928	PARA HOSPITAL 1A	Unknown	Exploration	1977-01-25	10.05	38.00									87m	South West
6628-4958	51927	PARA HOSPITAL 1	Unknown	Exploration	1977-01-17	15.00	38.00									91m	South West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-4954	51923		Backfilled	Town Water Supply (Public/Municipal)	1951-11-01	155.40	34.69			485	882	5.6000	13.72	13.72	20.97	107m	West
6628-4962	51931	PARA HOSPITAL 4	Unknown	Exploration	1977-01-24	10.05	38.00									115m	South
6628-24553	245551			Investigation	2008-10-01	29.00		34.10					17.00	17.00	17.10	122m	West
6628-4940	51909			Irrigation		19.81	35.00			790	1433	0.6300				131m	West
6628-4952	51921		Operational	Irrigation; Stock	1955-09-30	33.22	35.00			740	1344	2.5300				142m	West
6628-24554	245552				2008-10-01	29.00		34.00								160m	West
6628-4978	51947			Irrigation; Stock		35.36	41.00			562	1022	3.7900				162m	South East
6628-23812	241692			Investigation	2008-10-15	22.50		33.90					16.80	16.80	17.10	173m	West
6628-11345	58314			Observation	1980-02-04	30.00		41.90	7.50	1021	1850					187m	East
6628-29482	307305		Backfilled	Monitoring	2018-04-20	22.00		37.90				0.2000	19.20	19.20	18.70	193m	North
6628-4977	51946			Domestic; Irrigation; Stock		30.48	42.00			585	1064	0.9500	15.24	15.24	26.76	204m	East
6628-4950	51919			Investigation		19.81	34.00									207m	West
6628-4948	51917		Backfilled	Irrigation	1940-07-08	44.20	34.00		6.80	1154	2090	1.2600				209m	West
6628-29481	307304		Backfilled	Monitoring	2018-04-18	22.00		37.80				0.2000	19.28	19.28	18.52	224m	North
6628-29232	304111			Investigation	2017-12-06	22.00		37.30								245m	North
6628-29479	307302			Monitoring	2018-04-12	22.00		37.10				0.2000	19.00	19.00	18.10	252m	North
6628-29231	304110			Investigation	2017-12-05	22.00		37.50								261m	North
6628-4967	51936		Operational	Irrigation	1950-01-01	34.70	36.00		6.50	890	1615	3.1600	12.24	12.24	23.76	271m	South West
6628-29480	307303		Backfilled	Monitoring	2018-04-16	22.00		37.40				0.2000	18.90	18.90	18.50	287m	North
6628-4965	51934		Backfilled	Domestic; Irrigation; Stock		26.21	40.00					5.0500				293m	South
6628-4970	51939		Backfilled	Investigation			36.00									302m	South
6628-4971	51940			Irrigation; Stock		21.95	35.00			890	1615		10.67	10.67	24.33	313m	South West
6628-4981	51950		Unknown	Observation	1969-03-26	45.72	44.00		8.20	69	126	4.5500	18.78	18.78	25.22	313m	East
6628-31255	355130			Investigation	2021-03-18	22.00		36.70								317m	North
6628-4982	51951			Investigation	1972-07-14	31.09	41.00		7.20	768	1392	9.4700				327m	South East
6628-4968	51937			Domestic; Irrigation; Stock		21.64	36.00					2.5300				332m	South West
6628-20806	190023	MW 2		Monitoring	2001-09-21	24.00		37.40					20.30	20.30	17.10	338m	North
6628-4955	51924	GMH 6	Unknown	Exploration	1963-10-18	27.43	35.00			1035	1874					338m	North West
6628-4966	51935		Operational	Domestic; Irrigation; Stock	1963-01-01	22.86	36.00		7.00	746	1354	9.4700	22.86	22.86	13.14	346m	South
6628-4979	51948			Irrigation		85.34	41.00			815	1478	12.6300				349m	South East
6628-4980	51949		Operational	Irrigation		109.73	41.00			680	1234	13.8900				363m	South East

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-11346	58315			Observation	1980-03-05	25.00		42.00	7.60	827	1500					372m	South East
6628-20807	190024	MW 1	Backfilled	Monitoring	2001-09-21	22.00		34.20					17.80	17.80	16.40	382m	North West
6628-4973	51942			Irrigation		36.58	35.00		6.00	551	1002	1.6400	24.38	24.38	10.62	390m	South West
6628-4969	51938			Investigation	1962-01-01	121.92	35.00									402m	South
6628-5108	52077			Investigation		7.92	37.09									411m	South East
6628-4956	51925	GMH 7	Unknown	Exploration	1963-10-21	15.24	34.00									419m	North West
6628-5103	52072	SALISBURY RESERVE - PIRSA	Backfilled	Observation	1968-04-05	203.00	36.47	36.29	6.70	585	1064		24.25	24.07	12.22	422m	South East
6628-23423	236963	SB/MW19	Backfilled	Investigation	2007-08-07	13.50		36.20					11.40	11.40	24.80	427m	North
6628-23421	236961	SB/MW17	Backfilled	Investigation	2007-08-02	13.50		36.10					11.20	11.20	24.90	429m	North
6628-32619	382735	YAT009R	Operational	Monitoring	2023-07-15	165.00	35.92	35.52		622	1130	3.0000	23.22	22.82	12.70	431m	South East
6628-5107	52076	B/F - PIRSA	Backfilled	Observation	1969-03-01	91.44	36.63		7.90	520	945		19.78	19.78	16.85	432m	South East
6628-23420	236960	SB/MW16	Backfilled	Investigation	2007-08-01	13.00		36.10					11.00	11.00	25.10	435m	North
6628-5105	52074	B/F	Backfilled	Observation	1969-02-28	18.00	34.00		8.40	517	940	1.2600	10.45	10.45	23.55	437m	South East
6628-23425	236965	SB/MW21	Backfilled		2007-08-07	13.50		36.10					11.30	11.30	24.80	441m	North
6628-4993	51962		Backfilled	Irrigation	1974-05-06	40.00	40.00		7.70	757	1372	5.0500	11.30	11.30	28.70	449m	East
6628-5106	52075		Unknown	Observation	1969-03-13	45.72	36.80		8.50	416	756					453m	South East
6628-4988	51957		Backfilled	Irrigation	1942-01-01	36.58	40.00			775	1405	2.8400	7.62	7.62	32.38	478m	East
6628-11331	58300			Observation	1980-01-08	19.50		36.30	7.80	705	1280					487m	South East
6628-23424	236964	SB/MW20	Backfilled		2007-08-08	13.50		36.20								490m	North
6628-5101	52070		Operational	Irrigation		18.29	37.00			981	1778	1.8900				494m	South East
6628-4990	51959		Operational	Irrigation; Stock	1920-01-01	16.76	40.00						9.14	9.14	30.86	495m	South East
6628-11328	58297			Observation	1980-02-01	30.00		31.80	7.30	1800	3242					496m	West
6628-4947	51916			Irrigation		24.38	33.00									496m	West
6628-4972	51941		Operational	Irrigation	1950-01-01	45.72	32.00			540	982	3.2800				505m	South
6628-26146	267129	SGW 19	Backfilled	Investigation	2010-10-23	24.00		37.00					19.30	19.30	17.70	521m	North
6628-4974	51943			Irrigation		13.72	33.00						13.72	13.72	19.28	527m	South West
6628-3079	50052	GMH 4	Abandoned	Foundations	1963-10-10	27.43	33.00									542m	North West
6628-4976	51945		Backfilled	Irrigation		27.43	35.00			790	1433	1.5200	7.62	7.62	27.38	547m	South West
6628-5109	52078		Operational	Irrigation	1976-09-27	60.60	40.00		6.50	594	1080	4.0000				554m	South East
6628-30343	325506	SGW 03	Backfilled			22.00		37.10					19.60	19.60	17.50	557m	North
6628-4985	51954		Dry	Irrigation	1961-01-01	45.72	35.00		6.00	1750	3154					557m	South
6628-4945	51914		Backfilled	Irrigation	1963-01-01	29.87	34.00		7.50	899	1630	1.2600	13.72	13.72	20.28	558m	South West
6628-10989	57958		Backfilled	Irrigation	1978-10-28	60.00		44.00	7.70	600	1090	4.4198	19.80	19.80	24.20	559m	East

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-30339	325476	DW 2	Backfilled		2019-07-10	32.30		37.10					19.80	19.80	17.30	565m	North
6628-30341	325478	DW 4	Backfilled			32.50		37.10					19.90	19.90	17.20	566m	North
6628-30342	325479	MW 09	Backfilled			25.00		37.10					19.80	19.80	17.30	566m	North
6628-26148	267130	SGW 20	Backfilled	Investigation	2010-10-23	23.50		36.80					19.60	19.60	17.20	567m	North
6628-30345	325508	SGW 11	Backfilled			22.18		37.10					19.70	19.70	17.40	568m	North
6628-30346	325509	SGW 12	Backfilled			23.30		37.00					19.50	19.50	17.50	569m	North
6628-11752	58721			Irrigation	1978-05-27	30.00		40.80	8.20	799	1450	2.5000				574m	South
6628-4986	51955		Backfilled	Irrigation		45.72	40.00		6.50	551	1002	0.5100	7.77	7.77	32.23	583m	South
6628-3080	50053	GMH 5	Abandoned	Foundations	1963-10-11	15.24	32.00									584m	North West
6628-4975	51944		Operational	Irrigation	1974-08-23	32.46	32.00		6.90	605	1100	6.3100	6.71	6.71	25.29	584m	South West
6628-5102	52071		Backfilled	Irrigation		45.72	40.00		6.50	646	1172	0.0100	9.14	9.14	30.86	586m	South East
6628-4989	51958		Operational	Irrigation	1920-01-01	18.29	40.00					1.8900	9.14	9.14	30.86	589m	East
6628-4983	51952		Operational	Irrigation	1962-03-01	62.48	35.00		8.10	455	827					592m	South
6628-26149	267131	SGW 21	Backfilled	Investigation	2010-10-24	24.00		36.70					19.80	19.80	16.90	595m	North
6628-11319	58288			Observation	1980-01-04	20.00		39.90	7.40	816	1480					598m	South East
6628-26145	267128	SGW 18		Investigation	2010-10-21	23.80		37.00								598m	North
6628-27274	279798		Backfilled			23.00		44.00								600m	South East
6628-11307	58276			Observation	1980-01-21	25.00		31.90	7.70	745	1351					603m	South West
6628-11347	58316			Observation	1980-01-10	19.40		36.60								609m	South East
6628-3077	50050		Dry		1940-01-01	11.28	36.00									615m	North
6628-5133	52102		Backfilled	Irrigation	1928-01-01	24.38	40.00		7.00	580	1055	1.5200				615m	South East
6628-26141	267121	SGW 22		Investigation	2010-11-12	23.40		36.80								626m	North
6628-17787	156028		Operational	Recreational	1996-02-04	158.40		30.00	7.40	604	1098	4.0000	22.50	22.50	7.50	627m	South West
6628-4991	51960			Irrigation; Stock		18.29	40.00					1.1400	9.14	9.14	30.86	635m	East
6628-26313	269308	SGW 22		Investigation	2010-11-12	23.50		36.60								637m	North
6628-19221	172250			Environmental; Recreational	1998-12-07	45.60		45.10		617	1120	2.0000				638m	South East
6628-20801	190010	MW 6		Monitoring	2002-02-20	26.00		36.80					22.00	22.00	14.80	639m	North
6628-5100	52069			Investigation		18.29	40.00									652m	South East
6628-4984	51953		Backfilled	Irrigation	1946-01-01	33.53	35.00			636	1156					657m	South
6628-20799	190008	MW 4		Monitoring	2002-02-19	27.00		36.90					25.00	25.00	11.90	659m	North
6628-5095	52064		Unequipped	Irrigation		18.29	36.00		6.50	448	815	3.7900				659m	South East
6628-4987	51956		Unequipped	Irrigation	1971-11-25	29.26	35.00		7.00	672	1220	6.3100				661m	South
6628-4992	51961		Abandoned	Investigation			43.00									663m	East
6628-5090	52059		Not Located	Irrigation		45.72	35.00		6.50	0	0	1.5000	18.29	18.29	16.71	670m	South

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-5091	52060		Operational	Irrigation	1963-01-01	41.15	35.00		7.00	641	1165	1.2600	24.38	24.38	10.62	673m	South
6628-5059	52028			Irrigation		45.72	34.00					2.5256				686m	South West
6628-20800	190009	MW 5		Monitoring	2002-02-19	25.00		36.70					23.00	23.00	13.70	688m	North
6628-5092	52061		Operational	Irrigation; Observation	1947-05-25	168.25	35.00			658	1195	3.7500	21.34	21.34	13.66	689m	South
6628-27209	279322		Operational					36.70								691m	South
6628-5061	52030		Operational	Irrigation	1962-01-01	18.29	31.00		7.00	641	1165	2.5300	10.36	10.36	20.64	694m	South West
6628-30349	325512	SGW 16	Backfilled			23.35		36.80					19.50	19.50	17.30	701m	North
6628-28678	290740	SGW 93	Backfilled	Investigation	2016-09-26	33.50		38.50					20.50	20.50	18.00	709m	North East
6628-28679	290741	SGW 92	Backfilled	Investigation		27.00		38.50					20.50	20.50	18.00	709m	North East
6628-4949	51918		Operational	Irrigation	1955-11-01	30.48	32.00		7.00	830	1505	18.9500	8.23	8.23	23.77	712m	South West
6628-4953	51922		Abandoned	Stock		19.81	30.00			1508	2722	0.3800				712m	North West
6628-5094	52063			Investigation		28.96	40.00		6.50	551	1002					721m	South East
6628-30358	325525		Backfilled			24.00		39.00					20.70	20.70	18.30	723m	North East
6628-5060	52029		Unknown	Irrigation		30.78	33.00			680	1234	3.7900	10.97	10.97	22.03	724m	South West
6628-30338	325475	DW 1	Backfilled			33.00		36.60					19.30	19.30	17.30	730m	North
6628-30344	325507	SGW 06	Backfilled			24.00		36.60					19.60	19.60	17.00	732m	North
6628-32953	387501			Environmental	2024-02-19	18.00										737m	South
6628-30340	325477	DW 3	Backfilled			35.60		36.60					19.20	19.20	17.40	738m	North
6628-28654	290716	SGW 105	Backfilled	Investigation		25.30		36.60					19.20	19.20	17.40	739m	North
6628-30347	325510	SGW 15	Backfilled			22.22		36.40					19.10	19.10	17.30	748m	North
6628-5104	52073		Unknown	Observation	1969-03-13	45.72	42.90		8.10	89	161	1.2600	15.07	15.07	27.83	748m	South East
6628-32992	387697			Investigation	2024-02-14	18.00										753m	South
6628-30355	325521	SGW 36	Backfilled			23.00		38.10					20.30	20.30	17.80	755m	North East
6628-32942	387485			Environmental	2024-02-20	18.00										763m	South
6628-12948	59917		Operational	Irrigation	1983-09-05	51.00		34.80	8.00	821	1489	5.0512	7.00	7.00	27.80	767m	South
6628-3082	50055	GMH 1	Unknown	Foundations	1957-09-23	27.43	37.00		7.50	1570	2832		12.95	12.95	24.05	773m	North
6628-20802	190011	MW 7		Monitoring	2002-02-21	23.00		36.10					20.20	20.20	15.90	780m	North
6628-32991	387696			Investigation	2024-03-13	18.00										781m	South
6628-5098	52067				1962-09-13	36.27	40.00									783m	South
6628-5056	52025		Backfilled	Irrigation		36.58	30.00		7.00	866	1571	1.8900				788m	South West
6628-28664	290726	SGW 103	Backfilled	Investigation	2016-10-11	33.00		37.20					19.50	19.50	17.70	807m	North
6628-28665	290727	SGW 104	Backfilled	Investigation		26.00		37.20					19.60	19.60	17.60	807m	North
6628-5054	52023		Backfilled	Irrigation	1901-01-01	18.29	30.00		6.50	618	1122					813m	South West
6628-5097	52066		Operational	Irrigation	1962-01-01	18.29	35.00		7.00	670	1216	0.5100	8.84	8.84	26.16	814m	South

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-9483	56452		Operational	Irrigation	1978-04-04	60.00		40.60	7.60	651	1182					816m	South East
6628-26143	267123	SGW 16A	Backfilled	Investigation	2010-12-14	23.50		36.30					19.30	19.30	17.00	826m	North
6628-30357	325523	SGW 38	Backfilled			23.00		38.10					20.60	20.60	17.50	828m	North East
6628-18526	165902	SGW 57	Operational as required	Investigation	1997-05-27	194.00		40.40		684	1242	6.0000	22.10	22.10	18.30	833m	North East
6628-3084	50057	GMH 3	Abandoned	Foundations	1957-10-01	6.10	36.00									851m	North
6628-5093	52062		Abandoned	Investigation	1947-02-26	82.30	38.00			135	245	3.1570	18.29	18.29	19.71	867m	South
6628-5123	52092		Operational	Irrigation		22.86	43.00			1038	1880		18.29	18.29	24.71	875m	South East
6628-26144	267124	SGW 17A	Backfilled	Investigation	2010-12-15	23.50		36.30					19.30	19.30	17.00	881m	North
6628-30334	325471	DSGW 01	Backfilled			34.10		36.30					19.30	19.30	17.00	881m	North
6628-28656	290718	SGW 90	Backfilled	Investigation	2016-10-13	36.00		41.80					18.80	18.80	23.00	886m	North East
6628-28657	290719	SGW 91	Backfilled	Investigation	2016-10-13	27.00		41.80					23.80	23.80	18.00	886m	North East
6628-28666	290728	SGW 90		Investigation	2016-10-10	27.20		41.80								886m	North East
6628-28667	290729	SGW 91		Investigation		21.00		41.80								886m	North East
6628-28682	290744	SGW 85	Backfilled	Investigation	2016-08-24	33.00		36.30					19.40	19.40	16.90	892m	North
6628-28683	290745	SGW 84		Investigation		26.50		36.30								892m	North
6628-28674	290736	SGW 72		Investigation	2016-10-04	34.70		35.10								893m	North
6628-28675	290737	SGW 73	Backfilled	Investigation	2016-10-04	27.20		35.10								893m	North
6628-3083	50056	GMH 2	Unknown	Foundations	1957-09-30	18.29	36.00			1701	3067					894m	North
6628-29503	307357		Dry	Investigation	2018-02-25	18.00		36.30								895m	North
6628-4943	51912			Investigation		10.97	29.00									897m	West
6628-5096	52065			Investigation	1962-01-01	24.38	39.00			740	1344					899m	South
6628-30352	325517	SGW 32	Backfilled			23.10		36.60					19.60	19.60	17.00	908m	North
6628-30353	325518	SGW 33	Backfilled			22.40		35.80					19.20	19.20	16.60	908m	North
6628-5131	52100			Investigation	1912-01-01	16.76	42.00						10.67	10.67	31.33	917m	East
6628-5130	52099			Irrigation	1912-01-01	19.81	45.00		6.50	772	1400	3.7900	13.72	13.72	31.28	920m	East
6628-10974	57943		Backfilled		1979-06-21	24.00		47.10	7.70	739	1340	2.5000				932m	East
6628-5057	52026			Investigation		12.19	29.00									932m	South West
6628-5058	52027		Operational	Irrigation		30.48	30.00		7.50	568	1033	1.8800	4.57	4.57	25.43	932m	South West
6628-30351	325516	SGW 27	Backfilled			23.00		36.10								948m	North
6628-30350	325513	SGW 27	Backfilled		2019-07-10	19.40		36.10								949m	North
6628-29505	307359		Dry	Investigation	2018-02-23	18.00		36.00								951m	North
6628-30362	325530	SGW 56	Backfilled			21.00		39.40								952m	North East
6628-5099	52068		Backfilled	Irrigation	1932-01-01	36.58	41.00		7.00	460	836	1.8900	21.34	21.34	19.66	965m	South
6628-30364	325532	SGW 63	Backfilled			23.00		36.70					20.30	20.30	16.40	980m	North

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-30337	325474	DSGW 11	Backfilled			34.00		36.70					20.30	20.30	16.40	984m	North
6628-28655	290717	SGW 102	Backfilled	Investigation	2016-10-14	22.00		32.70								1007m	North
6628-5132	52101		Operational	Irrigation; Stock	1914-01-01	19.81	43.00		7.50	641	1165	3.7900	13.72	13.72	29.28	1007m	East
6628-28676	290738	SGW 95	Backfilled	Investigation	2016-09-27	28.00		34.00					19.20	19.20	14.80	1029m	North
6628-28677	290739	SGW 94		Investigation		23.00		34.00								1029m	North
6628-29502	307356			Investigation	2018-02-26	18.00		36.20								1036m	North
6628-28668	290730	SGW 88		Investigation	2016-10-07	33.00		34.60								1040m	North
6628-28669	290731	SGW 89	Backfilled	Investigation	2016-10-07	24.00		34.60					19.20	19.20	15.40	1040m	North
6628-29504	307358		Dry	Investigation	2018-02-24	18.00		36.10								1041m	North
6628-29506	307360			Investigation	2018-02-22	20.00		34.50								1043m	North
6628-30354	325520	SGW 34	Backfilled			23.00		35.10					18.80	18.80	16.30	1047m	North
6628-28660	290722	SGW 74	Backfilled	Investigation	2016-10-12	32.50		36.40								1050m	North
6628-28661	290723	SGW 75	Backfilled	Investigation		23.50		36.40					19.80	19.80	16.60	1050m	North
6628-11306	58275			Observation	1980-02-07	30.00		34.90	7.20	938	1700					1063m	South
6628-5052	52021			Investigation		11.28	28.00			924	1676		2.44	2.44	25.56	1071m	South West
6628-29507	307361		Dry	Investigation	2018-02-27	18.00		36.10								1078m	North
6628-4942	51911			Investigation		12.19	29.00									1082m	West
6628-11578	58547			Observation	1980-01-17	20.00		29.00	7.80	882	1600					1090m	West
6628-11308	58277			Observation	1980-01-14	20.00		42.10	7.30	761	1380					1091m	East
6628-11343	58312			Observation	1980-02-08	25.00		46.80	7.60	2058	3700					1092m	East
6628-28670	290732	SGW 86		Investigation	2016-10-06	29.50		34.90								1095m	North
6628-28671	290733	SGW 87	Backfilled	Investigation		22.80		34.90					19.40	19.40	15.50	1095m	North
6628-21790	200581		Operational as required	Irrigation	2004-06-04	139.20		28.70	8.00	577	1049	10.0000	5.70	5.70	23.00	1099m	West
6628-11309	58278			Observation	1980-01-25	25.00		50.00	7.90	912	1652					1102m	East
6628-30359	325526	SGW 42	Backfilled			23.00		36.40					20.00	20.00	16.40	1106m	North
6628-26142	267122	SGW 26	Backfilled	Investigation	2010-12-13	23.50		35.70					19.90	19.90	15.80	1107m	North
6628-28672	290734	SGW 80		Investigation	2016-10-05	32.00		36.00								1110m	North
6628-28673	290735	SGW 81	Backfilled	Investigation	2016-10-05	24.50		36.00					19.80	19.80	16.20	1110m	North
6628-11340	58309			Observation	1980-01-11	20.00		40.40	8.20	938	1700					1123m	South
6628-4946	51915		Operational	Irrigation	1943-01-01	27.43	29.00		7.50	576	1047	6.3200	9.91	9.91	19.09	1140m	West
6628-21396	197749		Backfilled		1994-11-26	23.85		42.60		722	1310		15.85	15.85	26.75	1141m	East
6628-5121	52090		Operational	Irrigation		24.38	42.00		6.50	2251	4043	0.2500	19.81	19.81	22.19	1160m	South
6628-5055	52024		Abandoned	Investigation			32.00									1165m	South West
6628-30361	325528	SGW 54	Backfilled			22.00		36.60					18.60	18.60	18.00	1166m	North

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-26048	266574	SGW 41			2011-09-09	24.00		34.00								1174 m	North
6628-11334	58303			Observation	1980-01-23	25.00		26.00	7.20	661	1200					1175 m	South West
6628-30335	325472	DSGW 02	Backfilled			34.00		33.90					19.30	19.30	14.60	1177 m	North
6628-5134	52103		Backfilled	Irrigation			43.00									1186 m	East
6628-17935	159351			Geothermal energy	1996-01-13	90.00										1197 m	South
6628-5053	52022			Irrigation	1945-01-01	24.38	28.00		7.00	525	955	2.5300				1197 m	South West
6628-11338	58307			Observation	1980-02-15	22.00		42.20	7.80	1469	2652					1232 m	South East
6628-20805	190022	MW 3	Backfilled	Monitoring	2001-09-28	21.00		33.90					18.70	18.70	15.20	1235 m	North
6628-11333	58302			Observation	1980-01-18	25.00		27.70	7.00	761	1380					1236 m	South West
6628-28658	290720	SGW 98		Investigation		33.00		33.60								1236 m	North
6628-28659	290721	SGW 99	Backfilled	Investigation		23.00		33.60					17.70	17.70	15.90	1236 m	North
6628-20975	194469		Backfilled			30.00		42.10								1240 m	South East
6628-28684	290746	SGW 76	Backfilled	Investigation	2016-09-28	22.30		36.30					20.10	20.10	16.20	1246 m	North
6628-28685	290747	SGW 77		Investigation	2016-09-28	28.00		36.30								1246 m	North
6628-5051	52020		Backfilled	Investigation		21.34	29.00			672	1220	4.4200				1251 m	South West
6628-5086	52055		Operational	Domestic		27.43	34.00		6.50	931	1689	0.3800				1251 m	South West
6628-5122	52091		Operational	Domestic; Irrigation; Stock		15.24	44.00			1054	1909	1.2600				1253 m	South East
6628-5118	52087		Operational	Irrigation	1962-01-01	18.29	39.00		7.00	931	1689	1.0100				1260 m	South
6628-4944	51913		Operational	Irrigation; Stock; Town Water Supply (Public/Municipal)	1951-01-04	135.64	26.59		7.60	539	983	8.8400	14.63	14.63	11.96	1266 m	West
6628-5112	52081		Operational	Irrigation	1950-02-14	32.31	39.00			1140	2063	1.5200				1268 m	South
6628-5124	52093		Backfilled	Domestic; Irrigation	1955-01-01	28.96	44.00			1029	1863	5.6800	15.24	15.24	28.76	1276 m	South East
6628-5135	52104			Investigation	1963-01-01	37.49	45.00		6.00	460	836	2.5300	3.35	3.35	41.65	1277 m	East
6628-3086	50059	ELIZABETH 3	Abandoned	Foundations	1956-11-27	14.94	44.00									1299 m	North East
6628-5126	52095			Irrigation		18.29	41.00									1305 m	South
6628-5125	52094		Backfilled	Investigation	1964-01-01	18.29	41.00									1311 m	South
6628-30356	325522	SGW 37	Backfilled			23.00		35.10					19.30	19.30	15.80	1316 m	North
6628-11335	58304			Observation	1980-01-25	20.00		27.20	7.60	867	1572		7.45	7.45	19.75	1323 m	South West
6628-29230	304104			Investigation	2017-10-12	18.00		30.40								1327 m	North West
6628-28663	290725	SGW 97	Backfilled	Investigation		22.00		32.00					18.00	18.00	14.00	1331 m	North
6628-28662	290724	SGW 96		Investigation	2016-10-11	29.00		32.00								1332 m	North
6628-11336	58305			Observation	1980-01-14	21.00		26.30	8.20	462	840					1336 m	South West
6628-19038	169566		Operational	Domestic; Recharge	1998-06-19	30.00		41.40		1423	2570		22.00	22.00	19.40	1343 m	North East

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-4941	51910			Investigation		10.97	27.00			668	1213					1350 m	West
6628-4951	51920	LITTLE PARA R.		Observation	1973-01-01		27.00		7.70	440	800					1352 m	West
6628-11330	58299			Observation	1980-01-15	20.00		27.70	7.30	938	1700					1353 m	West
6628-28680	290742	SGW 79	Backfilled	Investigation	2016-09-23	30.00		34.30					18.70	18.70	15.60	1355 m	North
6628-28681	290743	SGW 78	Backfilled	Investigation		23.00		34.30					18.60	18.60	15.70	1355 m	North
6628-5119	52088		Operational	Irrigation	1959-01-01	30.48	39.00		7.00	958	1734	2.5300				1362 m	South
6628-21426	197914	BH(MW) 9		Monitoring	2003-09-02	23.60		36.00								1378 m	North
6628-29285	305716			Investigation	2018-01-23	20.00		30.00								1382 m	North West
6628-5116	52085			Irrigation	1962-12-01	30.48	41.00		6.50	641	1165					1382 m	South
6628-30360	325527	SGW 43	Backfilled			20.80		34.00					18.00	18.00	16.00	1383 m	North
6628-30333	325469	SGW 83	Backfilled			23.25		32.30					17.90	17.90	14.40	1385 m	North
6628-11302	58271			Observation	1980-03-11	25.00		30.10	7.80	882	1600					1389 m	South West
6628-11329	58298			Observation	1980-03-05	25.00		25.90	7.50	912	1652					1419 m	West
6628-5048	52017		Backfilled	Irrigation		48.77	26.00			651	1182	1.5200				1428 m	South West
6628-5089	52058			Investigation		13.72	35.00			429	780		11.13	11.13	23.87	1441 m	South
6628-29286	305717			Investigation	2018-01-23	20.00		29.60								1442 m	North West
6628-32533	382166	YAT10R	Operational	Monitoring	2023-06-21	200.00	27.59	26.84		1810	3260	3.0000	19.11	18.37	8.48	1444 m	West
6628-15156	62125		Operational	Domestic	1989-12-13	45.00		28.00	7.70	589	1070	4.0000	12.00	12.00	16.00	1448 m	South West
6628-5115	52084			Investigation		18.29	37.00									1448 m	South
6628-32946	387490			Environmental	2024-02-23	16.50										1450 m	South West
6628-4932	51901			Irrigation; Stock		18.29	27.00					5.0500				1451 m	West
6628-4907	51876			Investigation		12.19	25.00									1454 m	West
6628-32944	387488			Environmental	2024-02-22	16.50										1458 m	South West
6628-30336	325473	DSGW 03	Backfilled			23.20		29.30					16.30	16.30	13.00	1465 m	North West
6628-29733	312814		Operational		2018-09-07	120.50		28.30		659	1196	8.0000	17.00	17.00	11.30	1467 m	North West
6628-30363	325531	SGW 63	Backfilled		2019-07-10	21.30		29.30								1469 m	North West
6628-11339	58308			Observation	1980-02-13	21.00		39.50	7.80	1160	2100					1477 m	South
6628-10971	57940			Observation	1979-04-23	25.00		27.00	7.70	728	1320					1483 m	South West
6628-5114	52083		Operational	Irrigation		27.43	37.00					1.5800	13.72	13.72	23.28	1489 m	South
6628-33004	387783			Environmental	2024-03-27	19.00										1513 m	South
6628-32945	387489			Environmental	2024-02-28	21.00										1525 m	South
6628-32947	387491			Environmental	2024-02-29	21.00										1525 m	South
6628-5128	52097			Investigation	1959-01-01	73.15	45.00					7.5800				1526 m	South East
6628-5087	52056		Operational	Irrigation		25.91	32.00		7.00	0	0	0.8800				1527 m	South West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-11337	58306			Observation	1980-02-28	25.00		42.60								1544 m	South East
6628-32943	387487			Environmental	2024-02-27	21.00										1547 m	South
6628-28652	290714	SGW 100	Backfilled	Investigation		28.50		33.60								1548 m	North
6628-28653	290715	SGW 101	Backfilled	Investigation		22.00		33.60								1548 m	North
6628-22534	215366		Operational	Irrigation	2006-03-31	145.00		30.30		647	1175	15.0000	22.00	22.00	8.30	1550 m	South West
6628-26827	274928	MW 24	Backfilled	Investigation	2013-01-31	16.00		24.80					14.00	14.00	10.80	1555 m	West
6628-32838	385982	SGW51	Backfilled	Investigation		22.00										1560 m	North
6628-31390	357935		Backfilled					25.60								1564 m	West
6628-20368	182677			Drainage	2000-06-28	12.00		32.00								1570 m	South
6628-5120	52089		Operational	Domestic		44.81	39.00			1429	2580		30.48	30.48	8.52	1592 m	South
6628-21789	200580		Operational	Irrigation	2004-05-22	127.00		24.90	8.10	554	1007	12.0000	4.50	4.50	20.40	1593 m	West
6628-31389	357934		Backfilled					25.10								1597 m	West
6628-26823	274924	MW 4R		Investigation	2013-02-01	15.50		25.70					13.00	13.00	12.70	1599 m	West
6628-29298	305876	MW 2	Backfilled					25.40								1600 m	West
6628-5113	52082		Operational	Irrigation	1950-02-14	62.48	43.00			866	1571	1.4500				1603 m	South East
6628-32839	385983	SGW52	Backfilled	Investigation		22.00										1607 m	North
6628-29300	305878	MW 4	Backfilled					25.50								1614 m	West
6628-5067	52036		Backfilled	Irrigation		14.02	30.00		7.50	1475	2663	0.7600	10.67	10.67	19.33	1621 m	South West
6628-29299	305877	MW 3	Backfilled					25.10								1623 m	West
6628-5140	52109		Operational	Irrigation; Stock		24.38	52.00			811	1471	2.5300				1629 m	East
6628-29302	305880	GW 10	Backfilled					25.20								1632 m	West
6628-29303	305881	GW 12	Backfilled					25.00								1632 m	West
6628-26824	274925	GW 18R	Backfilled	Investigation	2013-02-04	15.50		25.10					13.00	13.00	12.10	1637 m	West
6628-29301	305879	MW 16	Backfilled			13.80		25.30					12.60	12.60	12.70	1637 m	West
6628-29305	305883	GW 18	Backfilled					25.10								1639 m	West
6628-29304	305882	GW 17	Backfilled					25.10								1643 m	West
6628-3088	50061		Abandoned			7.62	34.00									1647 m	North
6628-18690	167139	DSTO 226		Investigation	1997-04-03	18.00		28.90	7.40	2340	4200		14.16	14.16	14.74	1651 m	North
6628-4938	51907		Operational	Irrigation	1969-02-11	18.29	26.00		7.50	1160	2100					1651 m	West
6628-32846	386656			Investigation	2023-10-11	19.00										1656 m	North
6628-26826	274927	GW 14R		Investigation	2013-02-05	15.50		25.20					13.00	13.00	12.20	1658 m	West
6628-22432	212276		Operational	Irrigation	2006-03-21	157.00		54.30		754	1368	12.5000	40.00	40.00	14.30	1662 m	East
6628-26822	274923	GW 13	Backfilled	Investigation	2013-03-14	15.50		25.10					13.00	13.00	12.10	1662 m	West
6628-26825	274926	GW 12R	Backfilled	Investigation	2013-02-04	15.50		25.10					13.00	13.00	12.10	1664 m	West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-26828	274929	MW 25			2013-03-14	15.50		24.30					13.00	13.00	11.30	1670 m	West
6628-18676	167125	DSTO 212		Observation	1996-12-16	19.00		28.80	7.50	2205	3960					1673 m	North
6628-32837	385981	SGW50	Backfilled	Investigation		22.00										1689 m	North
6628-32844	386653			Investigation	2023-10-12	19.00										1706 m	North
6628-18691	167140	DSTO 211	Backfilled	Observation	1996-12-16	19.00		28.50	7.40	2182	3920					1715 m	North
6628-32833	385973	DSGW08	Backfilled	Investigation		23.30										1717 m	North
6628-32847	386657		Dry	Investigation	2023-10-11	19.00										1717 m	North
6628-32835	385975	Q3 03	Backfilled	Investigation		44.00										1718 m	North
6628-18679	167128	DSTO 215		Observation	1996-12-17	23.00		29.20	7.50	2510	4500					1724 m	North West
6628-4936	51905			Irrigation			26.00									1727 m	West
6628-5111	52080			Investigation		14.63	38.00			1742	3140		13.11	13.11	24.89	1728 m	South
6628-5262	52231			Domestic; Irrigation; Stock		40.54	35.00			1092	1978	1.5200				1733 m	South
6628-4997	51966	LITTLE PARA R.					48.00		8.60	882	1600					1743 m	East
6628-18678	167127	DSTO 214		Observation	1996-12-17	20.00		29.40	7.60	2352	4220					1746 m	North
6628-5139	52108			Domestic; Irrigation; Stock		30.48	47.00		7.00	605	1100	1.2600	23.91	23.91	23.09	1748 m	East
6628-30563	333016			Investigation	2019-11-27	19.00		28.80								1749 m	North
6628-11314	58283			Observation	1980-01-08	23.00		55.10	7.00	2624	4700					1756 m	East
6628-18677	167126	DSTO 213		Observation	1996-12-16	20.00		29.30	7.50	2391	4290					1766 m	North
6628-32845	386654			Investigation	2023-10-10	19.00										1766 m	North
6628-11301	58270			Observation	1980-03-13	25.00		30.00								1767 m	South West
6628-25174	255722	MW 303B		Investigation	2010-04-16	26.00		28.70								1768 m	North West
6628-25173	255721	GW 303A		Investigation	2010-04-18	13.00		28.70								1770 m	North West
6628-5129	52098						50.00		6.40	491	893					1770 m	South East
6628-18683	167132	DSTO 219		Observation	1996-12-18	23.00		28.40	7.40	2426	4350					1771 m	North West
6628-27308	280035	GW 11		Investigation	2014-06-03	16.50		28.10					13.50	13.50	14.60	1771 m	North
6628-5110	52079		Operational	Irrigation	1957-10-02	28.96	38.00		8.00	1221	2209	7.5800	13.72	13.72	24.28	1772 m	South
6628-21253	196853	6TH BORE		Investigation	2003-06-17	59.00		28.80		594	1080	1.5000	22.00	22.00	6.80	1775 m	North West
6628-18680	167129	DSTO 216		Observation	1996-12-18	19.00		29.00	7.40	2499	4480					1776 m	North West
6628-5071	52040			Irrigation	1954-09-20	31.09	30.00		6.00	890	1615	2.5300	10.67	10.67	19.33	1778 m	South West
6628-5136	52105			Domestic; Irrigation; Stock		27.43	55.00			791	1434	3.7900				1779 m	East
6628-5084	52053			Investigation		15.24	29.00		7.50	1955	3518		10.36	10.36	18.64	1781 m	South West
6628-5088	52057		Backfilled	Irrigation	1957-01-01	30.00	33.00			1060	1920	11.3700	15.24	15.24	17.76	1788 m	South
6628-10975	57944		Operational	Observation	1979-06-13	42.00		30.60	7.40	2376	4262					1793 m	North

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-25170	255718	GW 302A		Investigation	2010-03-16	16.00		28.70								1793 m	North West
6628-3087	50060		Unknown				44.00									1793 m	North East
6628-25172	255720	GW 302C		Investigation	2010-04-11	31.00		28.50								1794 m	North West
6628-32848	386658			Investigation	2023-10-09	19.00										1794 m	North
6628-11310	58279			Observation	1980-01-10	31.00		52.00	7.50	1189	2152					1797 m	South East
6628-25171	255719	MW 302B		Investigation	2010-04-14	23.50		28.60								1799 m	North West
6628-5049	52018		Operational	Observation	1968-04-24	178.92	25.71	25.43	7.50	1990	3050		17.47	17.19	8.24	1800 m	South West
6628-18682	167131	DSTO 218		Observation	1996-12-18	18.00		28.60	7.30	2567	4600					1803 m	North West
6628-21257	196857	3RD BORE		Investigation	2003-05-22	30.00		28.80		1990	3580	0.3120	13.00	13.00	15.80	1803 m	North West
6628-18684	167133	DSTO 220		Observation		23.50		28.10	7.40	2409	4320					1807 m	North West
6628-5117	52086		Abandoned	Investigation	1962-12-01	27.43	38.00		7.00	1201	2172	1.8900	13.72	13.72	24.28	1809 m	South
6628-28888	295083			Monitoring	2017-06-22	19.00		28.30				0.3000				1810 m	North
6628-31214	354767		Backfilled	Investigation	2021-01-10	60.00		28.10								1813 m	North
6628-22949	231025			Investigation	2006-09-21	16.00		28.20					15.00	15.00	13.20	1818 m	North West
6628-22950	231026			Investigation	2006-09-26	30.00		28.20					15.00	15.00	13.20	1818 m	North West
6628-22951	231027			Investigation	2006-06-28	30.00		28.20					15.00	15.00	13.20	1818 m	North West
6628-22952	231028			Investigation	2006-09-22	22.00		28.20					15.00	15.00	13.20	1818 m	North West
6628-22953	231029			Investigation	2006-09-28	20.00		28.20					15.00	15.00	13.20	1818 m	North West
6628-22954	231030			Investigation	2006-09-30	30.00		28.20					15.00	15.00	13.20	1818 m	North West
6628-22955	231031			Investigation	2006-10-03	20.00		28.20					15.00	15.00	13.20	1818 m	North West
6628-22956	231032			Investigation	2006-10-04	30.00		28.20								1818 m	North West
6628-22957	231033			Investigation	2006-10-04	20.00		28.20					15.00	15.00	13.20	1818 m	North West
6628-22958	231034			Investigation	2006-10-16	30.00		28.20								1818 m	North West
6628-22959	231035			Investigation	2006-10-06	20.00		28.20					15.00	15.00	13.20	1818 m	North West
6628-22960	231036			Investigation	2006-10-08	30.00		28.20					15.00	15.00	13.20	1818 m	North West
6628-28890	295085			Monitoring	2017-06-22	19.00		29.40				0.2000				1822 m	North
6628-5050	52019		Operational	Observation	1969-02-05	106.68	26.31	25.21	7.20	439	807		16.73	15.63	9.58	1826 m	South West
6628-30562	333015			Investigation	2019-11-26	19.00		28.80								1828 m	North
6628-4994	51963		Operational	Irrigation; Stock		16.76	56.00									1835 m	East
6628-5072	52041			Irrigation	1951-01-09	27.43	28.00			1106	2002	1.5200				1845 m	South West
6628-18681	167130	DSTO 217		Observation	1996-12-18	19.00		28.80	7.60	2778	4970					1847 m	North
6628-27090	278362	MW 1	Backfilled			10.60		23.80								1847 m	North West
6628-5141	52110			Investigation	1966-01-01	45.72	54.00		6.50	670	1216	2.5300				1852 m	East
6628-5078	52047			Irrigation			30.00									1853 m	South West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-5085	52054		Operational	Irrigation		27.43	29.00		7.00	970	1756	1.2600				1867 m	South West
6628-5077	52046		Operational	Irrigation	1969-01-01	14.63	28.00		7.00	2175	3907	1.5800	10.97	10.97	17.03	1868 m	South West
6628-18685	167134	DSTO 221		Observation	1996-12-18	22.00		28.10	7.50	2364	4240					1869 m	North West
6628-5047	52016			Investigation			25.00									1869 m	South West
6628-5259	52228		Abandoned	Domestic; Irrigation; Stock		28.04	41.00			2111	3795	1.5000	17.37	17.37	23.63	1869 m	South
6628-30561	333014			Investigation	2019-11-25	18.00		28.00								1875 m	North
6628-22124	204487		Operational		2005-06-02	45.00		53.40		2409	4320	0.2500	28.00	28.00	25.40	1878 m	South East
6628-5138	52107			Investigation		18.29	56.00									1879 m	East
6628-5083	52052			Investigation	1945-01-01	14.63	28.00						10.97	10.97	17.03	1882 m	South West
6628-21254	196854	5TH BORE		Investigation	2003-06-13	59.50		27.40		600	1090	1.0000	1.00	1.00	26.40	1887 m	North West
6628-28860	294750			Investigation	2017-07-05	25.00		27.50								1888 m	North
6628-28862	294752			Investigation	2017-07-05	25.00		27.50								1888 m	North
6628-5079	52048			Irrigation		12.80	29.00			1680	3029					1890 m	South West
6628-26458	271006	MW 3		Investigation	2012-07-02	15.70		55.90								1891 m	East
6628-27116	278505	GW 1003		Investigation	2013-07-08	17.00		28.00					16.00	16.00	12.00	1892 m	North
6628-28886	295081			Monitoring	2017-06-20	20.00		27.30				0.3000				1898 m	North
6628-27115	278504	BORE 4	Backfilled	Investigation	2013-07-10	20.00		28.30								1903 m	North
6628-5127	52096			Investigation	1957-01-01	60.05	51.00			971	1760	0.6100	23.47	23.47	27.53	1905 m	South East
6628-11342	58311			Observation	1980-02-21	29.00		54.40								1906 m	East
6628-20937	193319	BH 241		Monitoring		30.00		27.30								1915 m	North West
6628-5062	52031			Investigation		12.19	28.00			783	1420		10.36	10.36	17.64	1920 m	South West
6628-32832	385972	DSGW07	Backfilled	Investigation		23.30										1922 m	North
6628-5137	52106		Operational	Domestic; Irrigation		21.34	52.00			909	1649	3.7900	8.23	8.23	43.77	1923 m	East
6628-5263	52232			Irrigation	1949-08-29	27.13	38.00			1343	2427	4.1670	26.21	26.21	11.79	1924 m	South
6628-32831	385971	DSGW06	Backfilled	Investigation		21.50										1925 m	North
6628-27118	278507	GW 1002			2013-07-09	17.50		28.40								1928 m	North
6628-4930	51899		Abandoned	Domestic; Irrigation; Stock	1962-01-01	30.78	24.00									1930 m	West
6628-27114	278503	BORE 12	Backfilled	Investigation	2013-07-11	20.00		28.00								1932 m	North
6628-5149	52118		Operational	Irrigation	1958-01-01	137.16	55.00									1932 m	South East
6628-5282	52251			Observation; River			55.00		8.10	2114	3800					1934 m	South East
6628-3089	50062		Operational		1928-01-01	137.77	33.00			992	1798	9.4700	11.89	11.89	21.11	1936 m	North
6628-18686	167135	DSTO 222		Investigation	1997-04-03	18.00		27.40	7.30	2745	4910		12.94	12.94	14.46	1939 m	North West
6628-18688	167137	DSTO 224		Investigation	1997-04-04	18.00		27.50	7.70	2295	4120		11.91	11.91	15.59	1946 m	North West

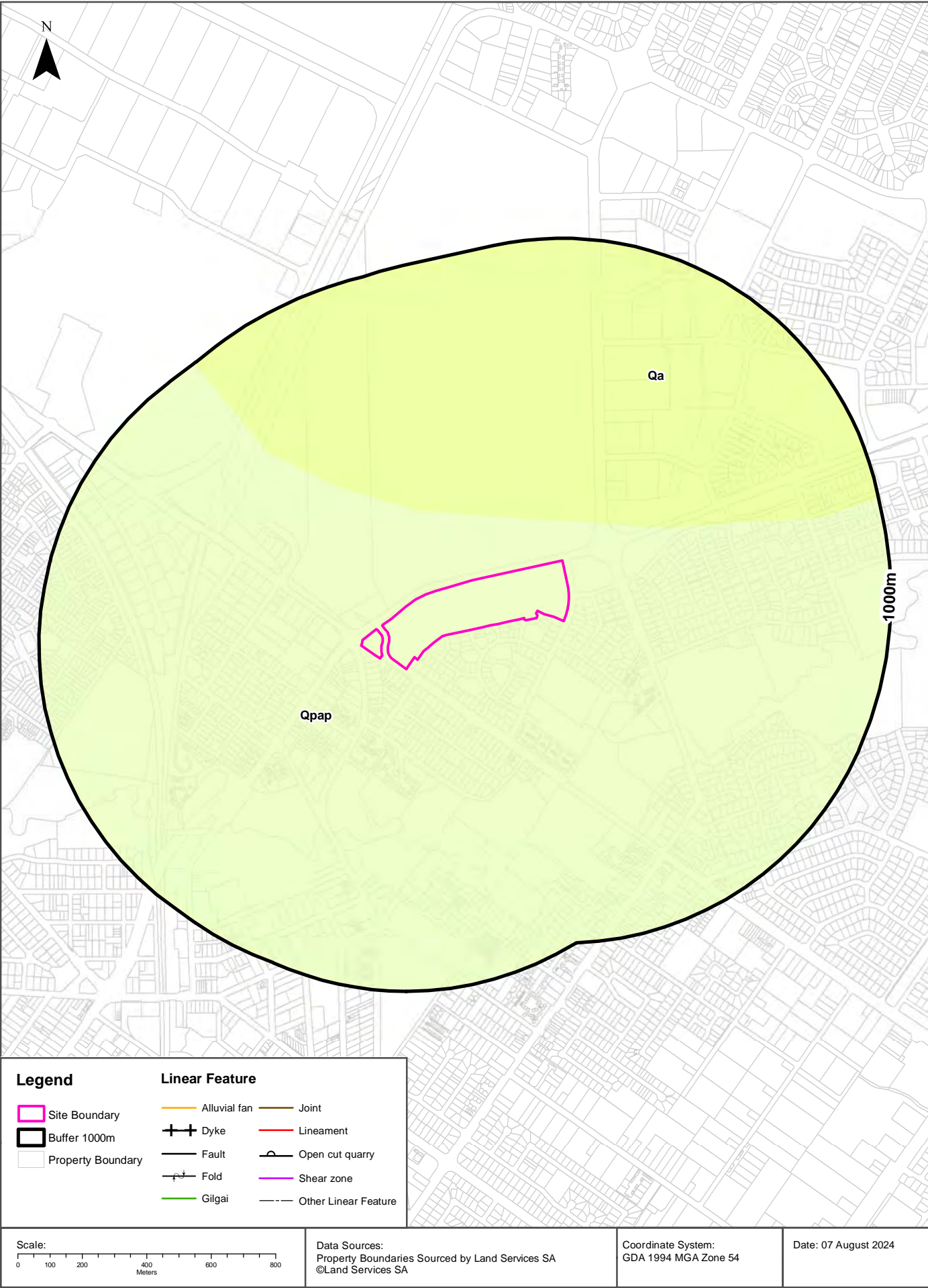
Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-11324	58293			Observation	1979-12-19	15.00		48.00	8.10	790	1432					1963 m	East
6628-27117	278506	GW 1001		Investigation	2013-07-08	17.50		28.50					15.40	15.40	13.10	1965 m	North
6628-5075	52044			Investigation		21.95	29.00		6.00	551	1002		6.71	6.71	22.29	1973 m	South West
6628-5076	52045		Abandoned	Investigation			28.00									1975 m	South West
6628-16263	132723		Backfilled	Environmental; Recreational	1992-12-15	127.00		47.40					0.00	0.00	47.40	1976 m	East
6628-20940	193322	BH 240		Monitoring	2002-09-24	21.50		28.00								1976 m	North West
6628-5260	52229			Irrigation		44.81	42.00			1455	2627	5.0500				1984 m	South
6628-11297	58266			Observation	1979-12-17	8.50		48.10	7.90	938	1700					1987 m	East
6628-11298	58267			Observation	1980-01-04	15.00		48.10	7.70	961	1740					1987 m	East
6628-4937	51906		Backfilled	Irrigation	1961-01-01	24.38	23.00		6.50	1245	2252					1990 m	West
6628-26039	266541	Q2-2		Investigation	2011-08-11	24.00		26.10				1.0000				1991 m	North West
6628-26040	266542	Q3-2		Investigation	2011-08-10	36.00		26.10				0.5000				1991 m	North West
6628-5261	52230			Irrigation	1956-01-01	45.72	48.00									1995 m	South East

Drillholes Data Source: Dept of Environment, Water and Natural Resources - South Australia

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Geology 1:100,000

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Geology

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Surface Geology 1:100,000

Surface Geology Units within the dataset buffer:

Map Unit Code	Name	Description	Parent Name	Province	Age	Min Age	Max Age	Dist	Dir
Qpap	Pooraka Formation	Clay, sand and carbonate earth, silty, with gravel lenses.	Pleistocene alluvial/fluvial sediments	ST VINCENT BASIN	PLEISTOCENE	Pleistocene, Late	Pleistocene, Late	0m	On-site
Qa	Quaternary alluvial/fluvial sediments	Undifferentiated Quaternary alluvial/fluvial sediments.	Quaternary rocks	UNKNOWN	PLEISTOCENE-HOLOCENE	Quaternary	Quaternary	122m	North

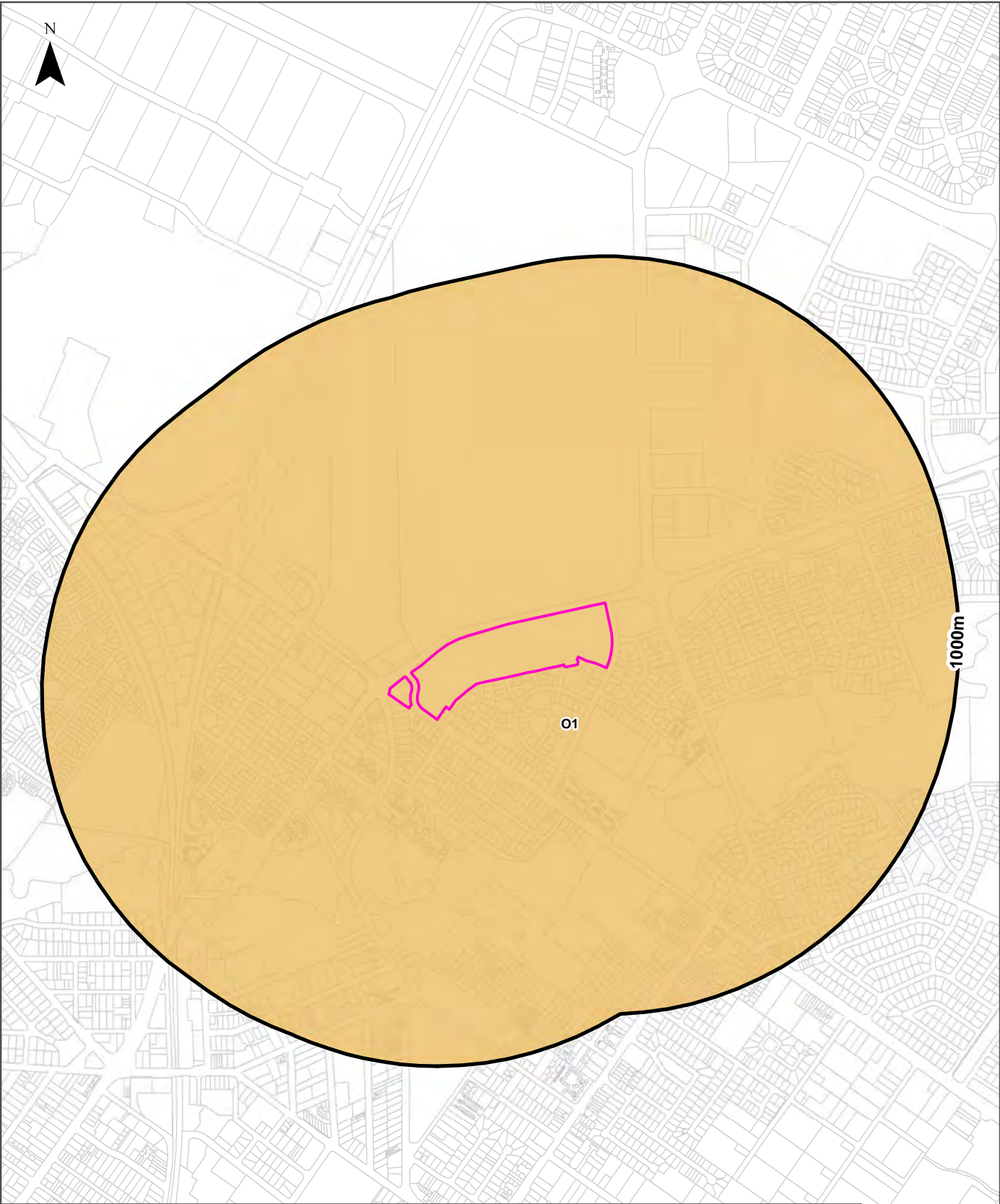
Geology Data Source: Dept of Environment, Water and Natural Resources - South Australia
Creative Commons 4.0 © Commonwealth of Australia <https://creativecommons.org/licenses/by/4.0/>

Linear Structures 1:100,000

Linear geological structures within the dataset buffer:

Map Code	Description	Distance	Direction
N/A	No records in buffer		

Geology Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Legend

Site Boundary

Buffer 1000m

Property Boundary

Australian Soil Classification Orders

Anthrosol	Dermosol	Kandosol	Podosol	Tenosol	No Data
Calcarosol	Ferrosol	Kurosol	Rudosol	Vertosol	
Chromosol	Hydrosol	Organosol	Sodosol	Lake	

Scale:

0 100 200 400 600 800 Meters

Data Sources:

Property Boundaries Sourced by Land Services SA

©Land Services SA

Coordinate System:

GDA 1994 MGA Zone 54

Date: 07 August 2024

Soils

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Atlas of Australian Soils

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

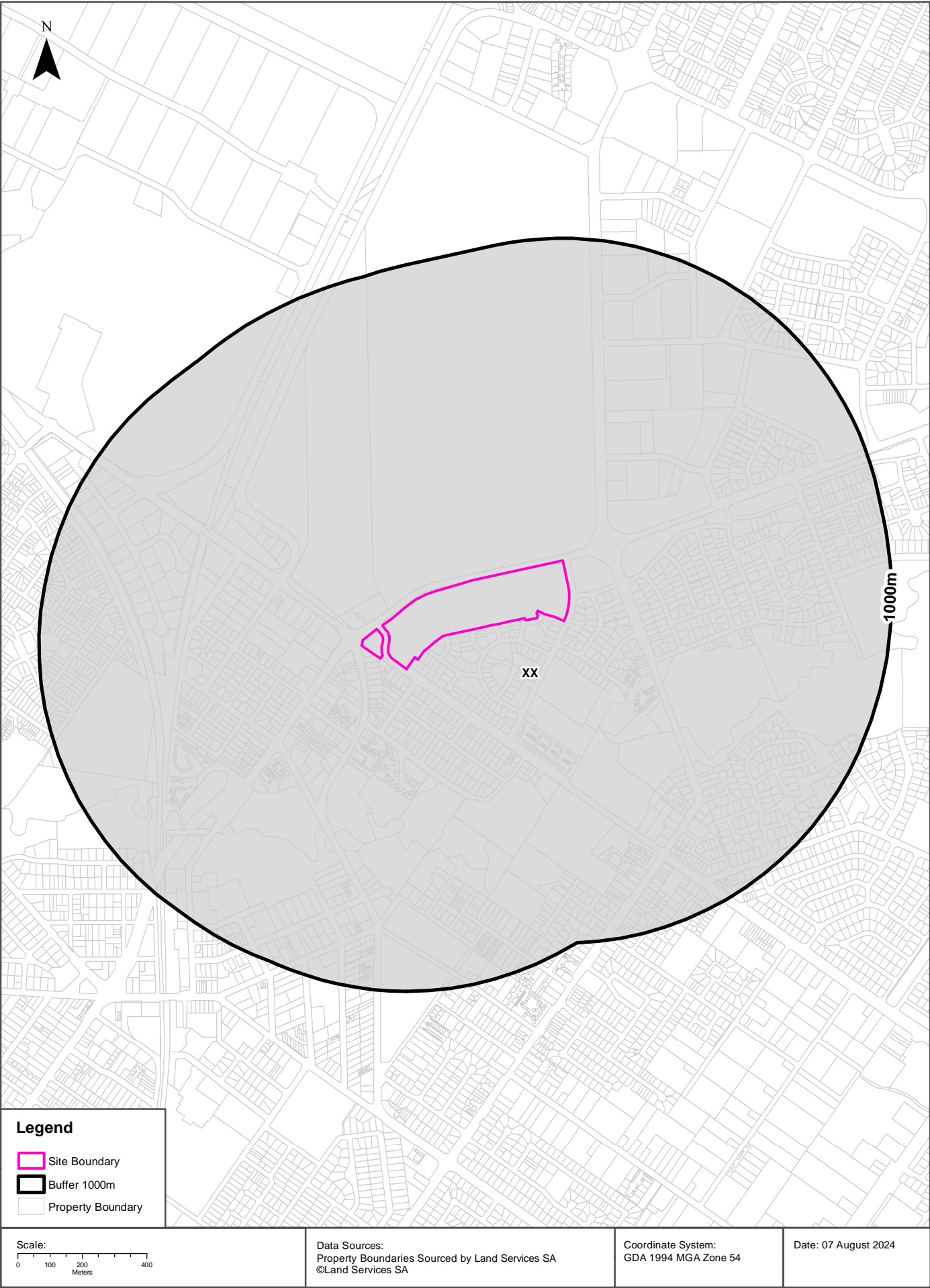
Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
O1	Chromosol	Outwash plains: hard alkaline red soils (Dr2.23 with small areas Dr2.33); small areas cracking clay soils (Ug5.15, Ug5.16, and Ug5.2), also hard alkaline yellow mottled soils (Dy3.43); minor areas (Um6.21) and (Uf6.11); various alluvial soils (unclassified) in the stream valleys.	0m	On-site

Atlas of Australian Soils Data Source: CSIRO

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Soil Types

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Soils

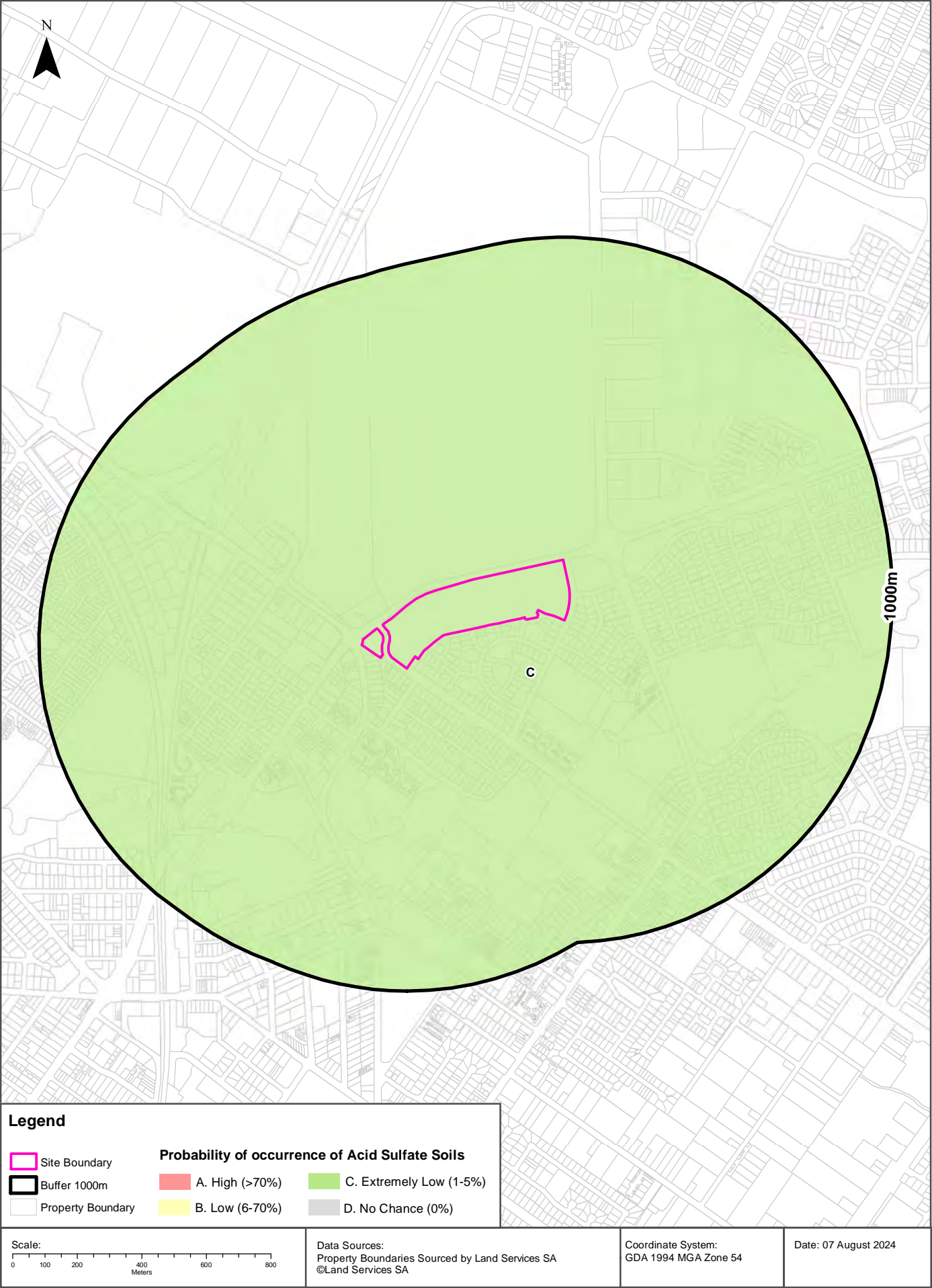
Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Soil Types

Soil types within the dataset buffer:

Map category code	Soil type description	Distance	Direction
XX	Not applicable - No assessment/analysis undertaken	0m	On-site

Soil Types Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Acid Sulfate Soils

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Atlas of Australian Acid Sulfate Soils

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

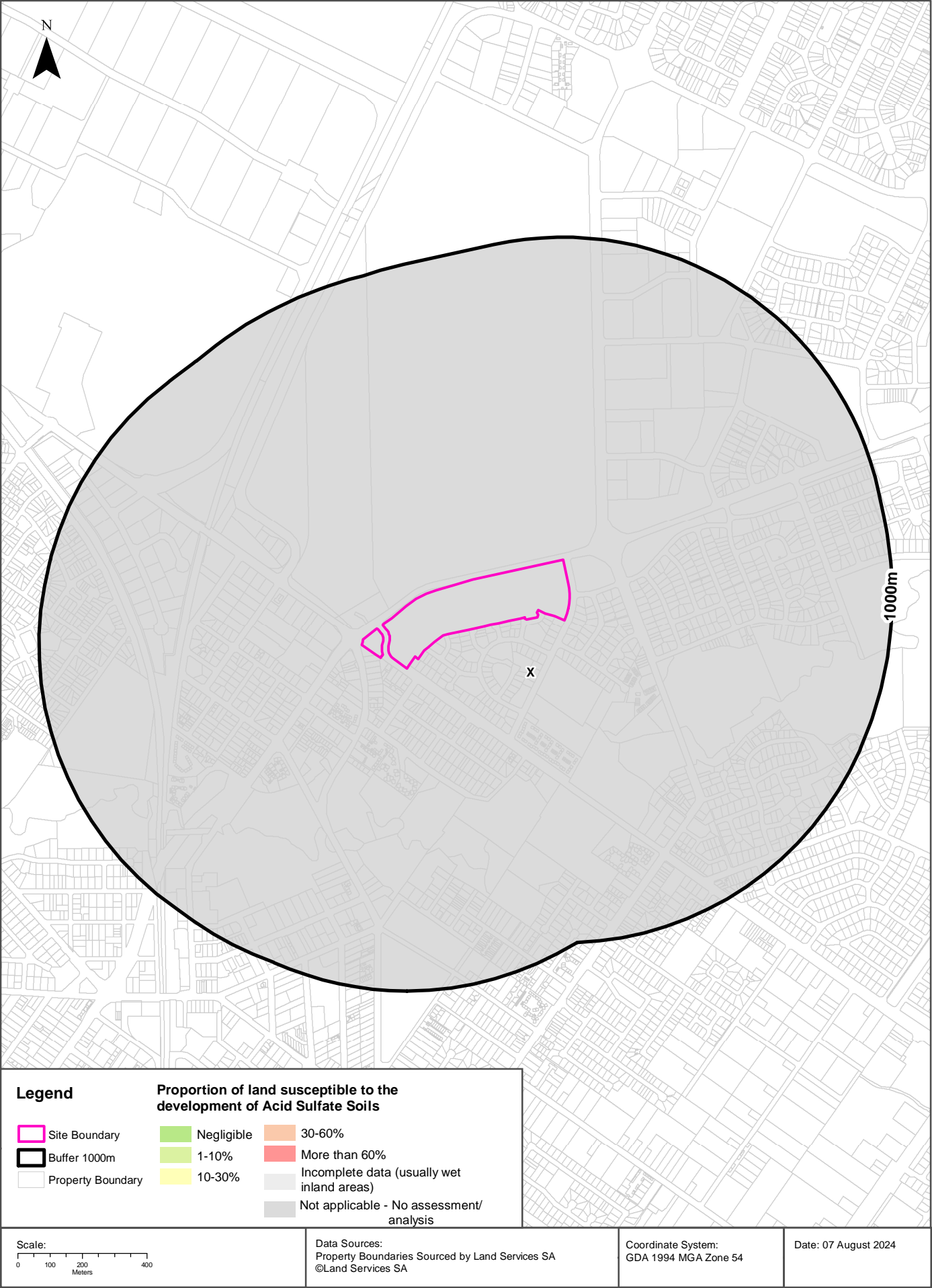
Class	Description	Distance	Direction
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m	On-site

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Acid Sulfate Soils Potential

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Acid Sulfate Soils

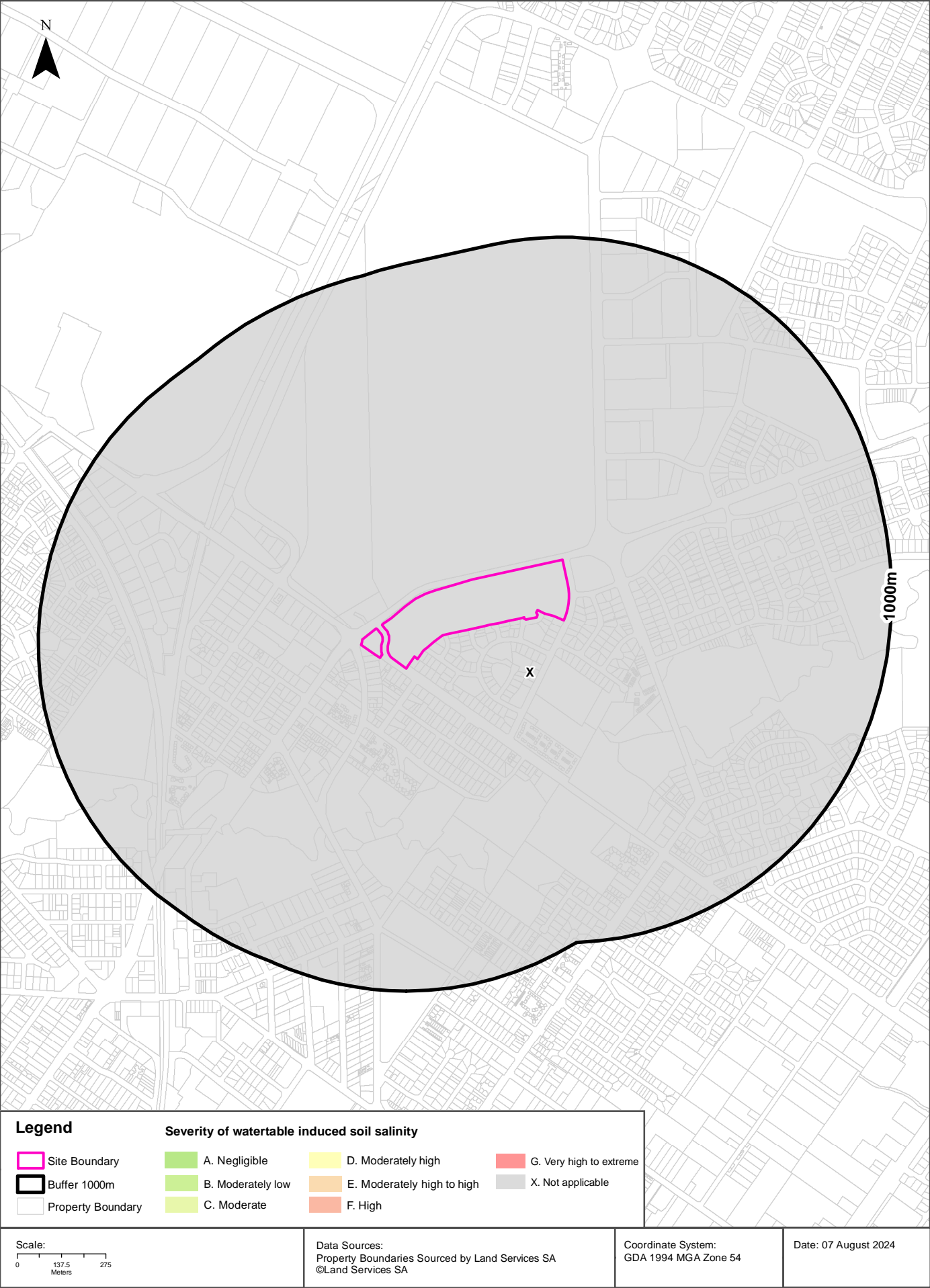
Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

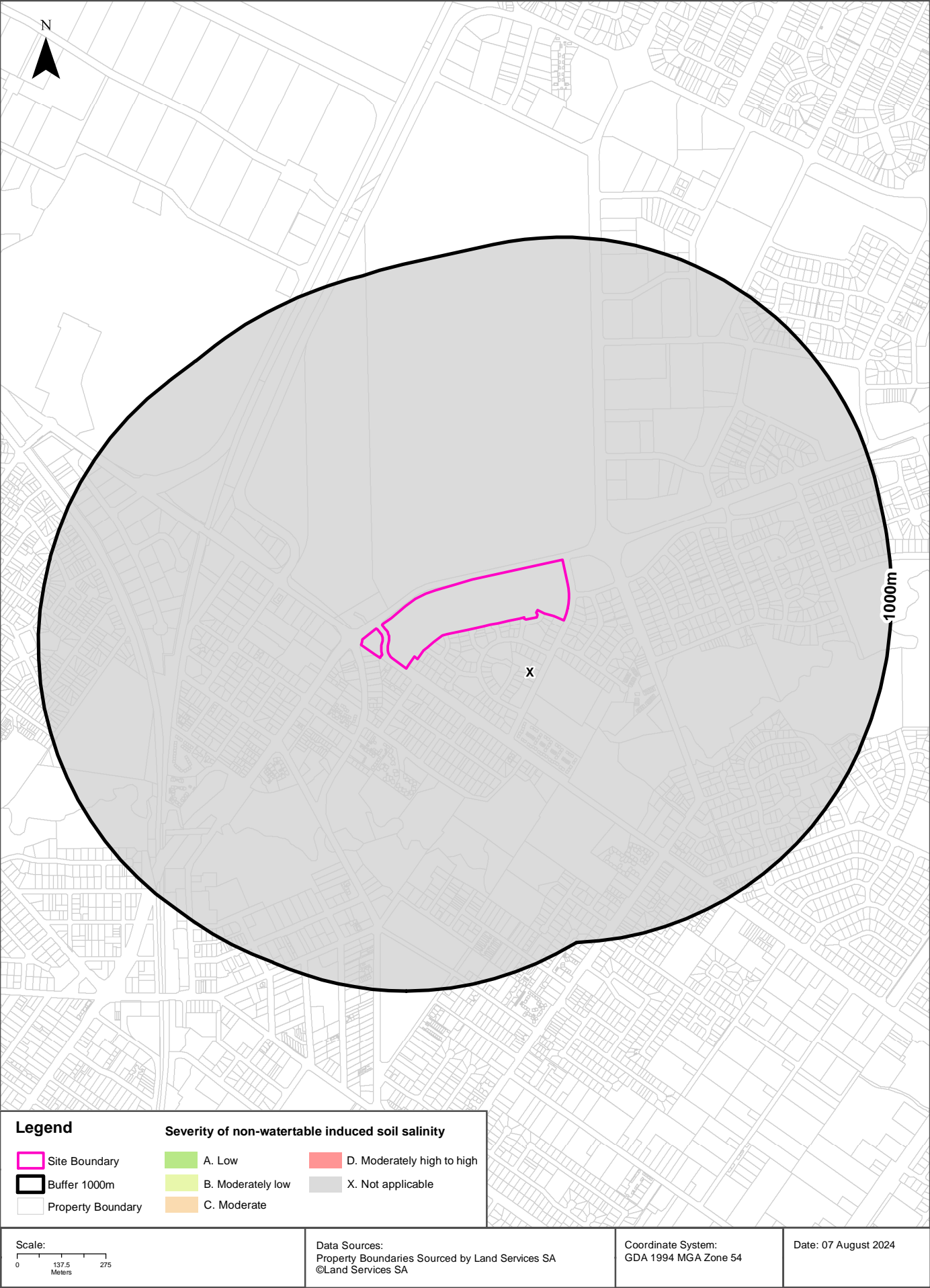
Acid Sulfate Soil Potential

Acid sulfate soil potential within the dataset buffer:

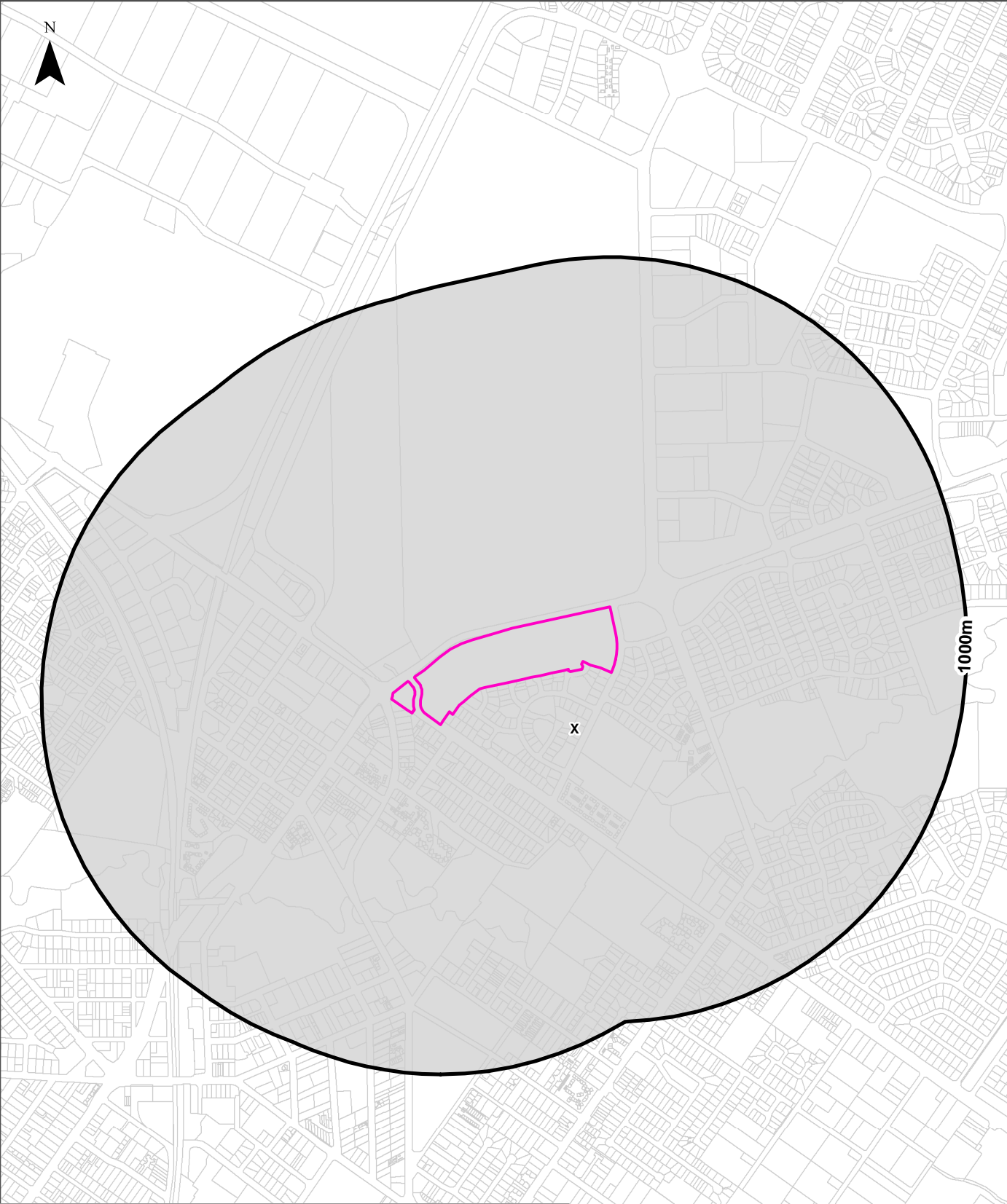
Map category code	Proportion of land susceptible to the development of acid sulfate soils	Distance	Direction
X	Not applicable - No assessment/analysis undertaken	0m	On-site

Acid Sulfate Soils Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Soil Salinity - Non-watertable (Magnesia Patches)
Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Legend

Site Boundary

Buffer 1000m

Property Boundary

Proportion of land affected by magnesia patches

A. Negligible	C. 2-10%	E. More than 50%
B. Up to 2%	D. 10-50%	X. Not applicable

Scale: 0 137.5 275 Meters	Data Sources: Property Boundaries Sourced by Land Services SA ©Land Services SA	Coordinate System: GDA 1994 MGA Zone 54	Date: 07 August 2024
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Soil Salinity

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Soil Salinity - Watertable Induced

Watertable induced soil salinity within the dataset buffer:

Map category code	Severity description	Distance	Direction
X	Not applicable - No assessment/analysis undertaken	0m	On-site

Salinity Watertable Induced Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Soil Salinity - Non-Watertable

Non-watertable soil salinity within the dataset buffer:

Map category code	Severity description	Surface ECe (dS/m)	Subsoil ECe (dS/m)	Distance	Direction
X	Not applicable - No assessment/analysis undertaken			0m	On-site

Salinity Non-Watertable Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Soil Salinity - Non-Watertable (Magnesia Patches)

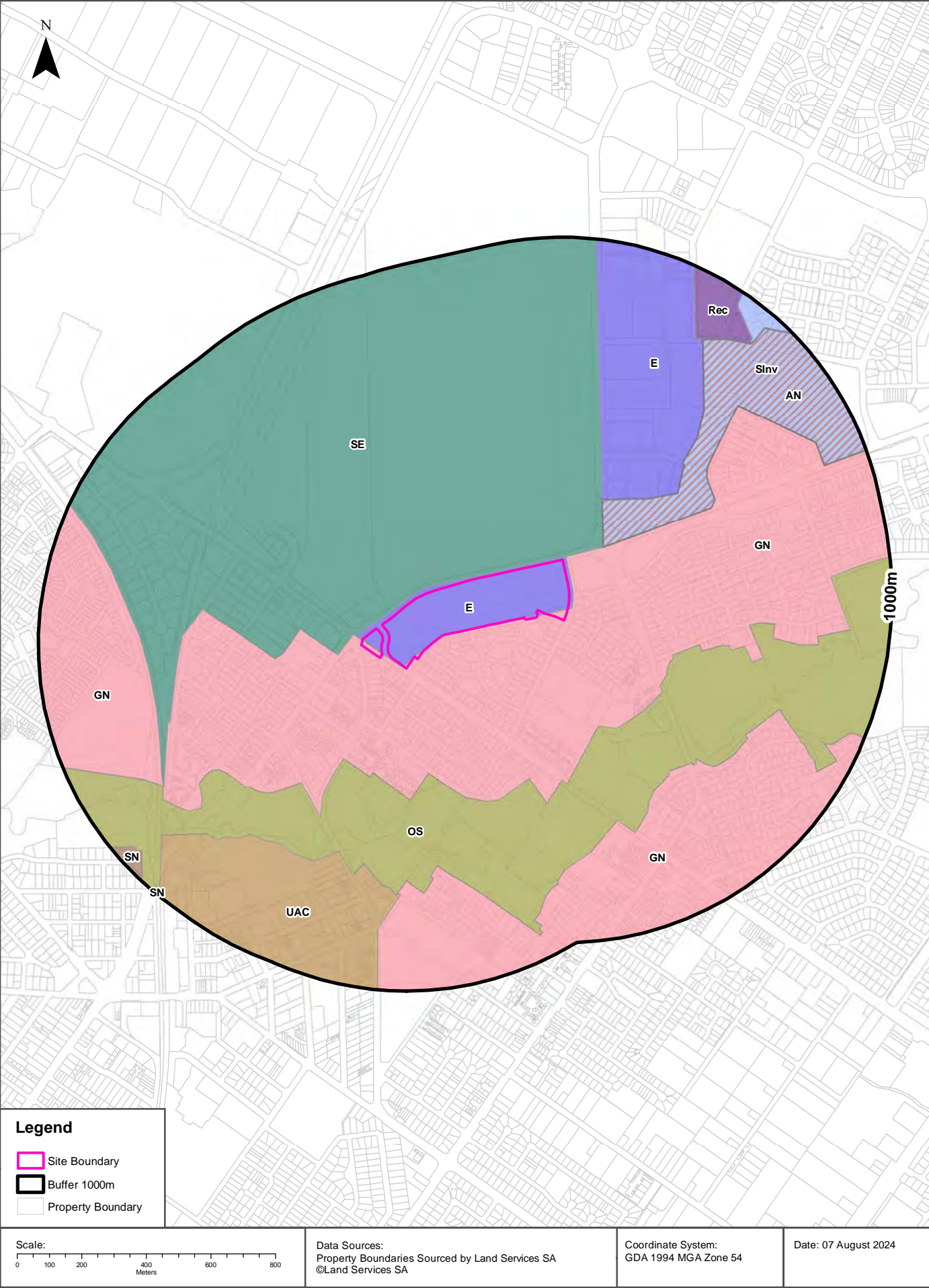
Magnesia patches within the dataset buffer:

Map category code	Proportion of land affected by magnesia patches	Distance	Direction
X	Not applicable - No assessment/analysis undertaken	0m	On-site

Salinity Non-Watertable (Magnesia Patches) Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Planning and Design Code Zones

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Planning

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Planning and Design Code - Zones

Planning and Design Code zones within the dataset buffer:

Map Id	Zone Code	Zone Name	Legal Start Date	Status	Distance	Direction
E	Z1501	Employment	19/03/2021	0	0m	On-site
GN	Z2102	General Neighbourhood	19/03/2021	0	0m	On-site
SE	Z5720	Strategic Employment	19/03/2021	0	7m	North West
SInv	Z5721	Strategic Innovation	19/03/2021	0	131m	North East
E	Z1501	Employment	19/03/2021	0	222m	North East
OS	Z4501	Open Space	19/03/2021	0	332m	South
GN	Z2102	General Neighbourhood	19/03/2021	0	570m	South East
UAC	Z6301	Urban Activity Centre	19/03/2021	0	603m	South West
GN	Z2102	General Neighbourhood	19/03/2021	0	661m	West
Rec	Z5401	Recreation	19/03/2021	0	796m	North East
SN	Z5707	Suburban Neighbourhood	19/03/2021	0	932m	South West

Planning and Design Code Zones Data Source: Attorney-General's Department - South Australia
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Planning and Design Code - Subzones

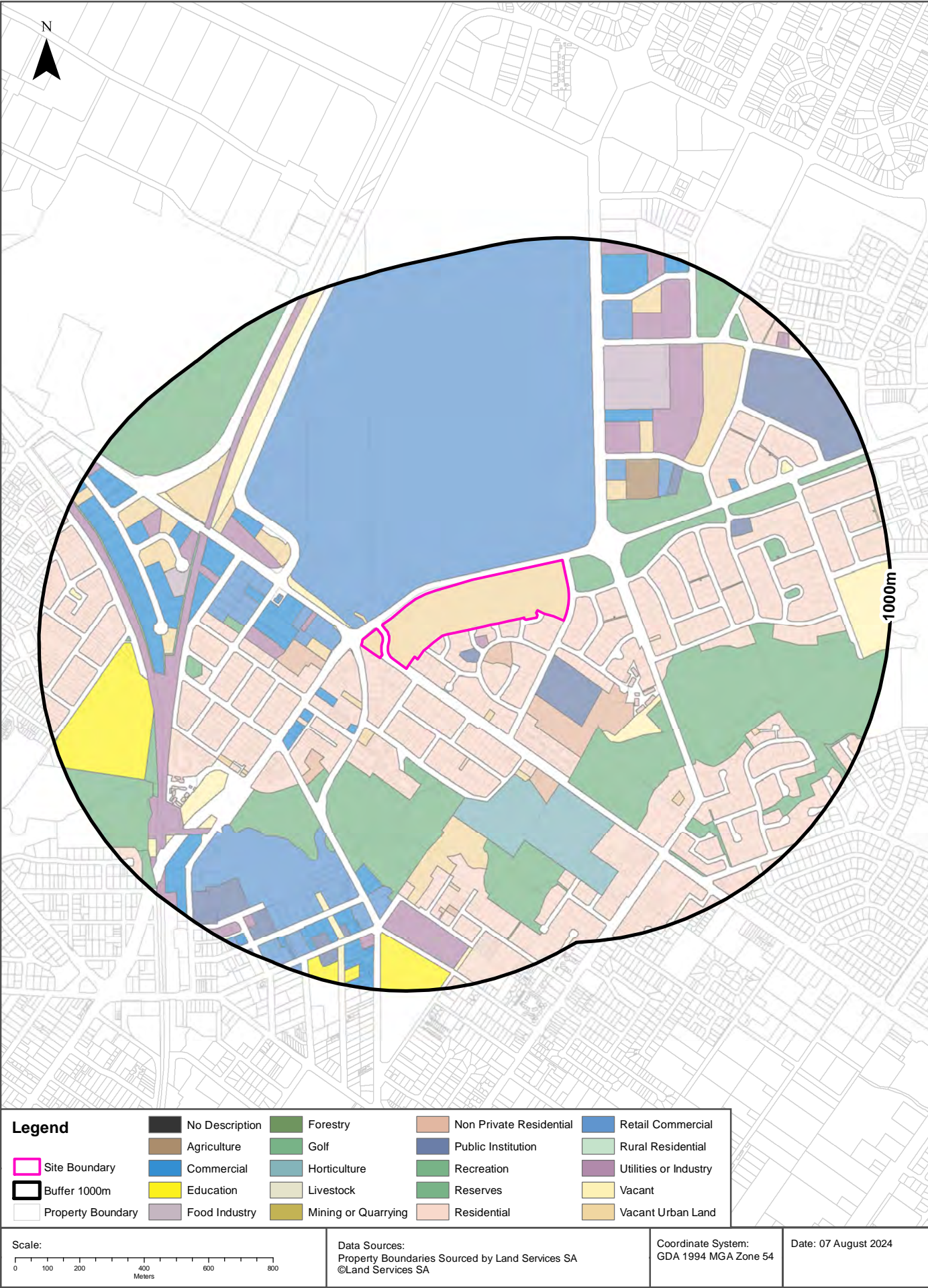
Planning and Design Code subzones within the dataset buffer:

Map Id	Subzone Code	Subzone Name	Legal Start Date	Status	Distance	Direction
AN	S0307	Activity Node	19/03/2021	0	130m	North East

Planning and Design Code Subzones Data Source: Attorney-General's Department - South Australia
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Land Use Generalised

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Planning

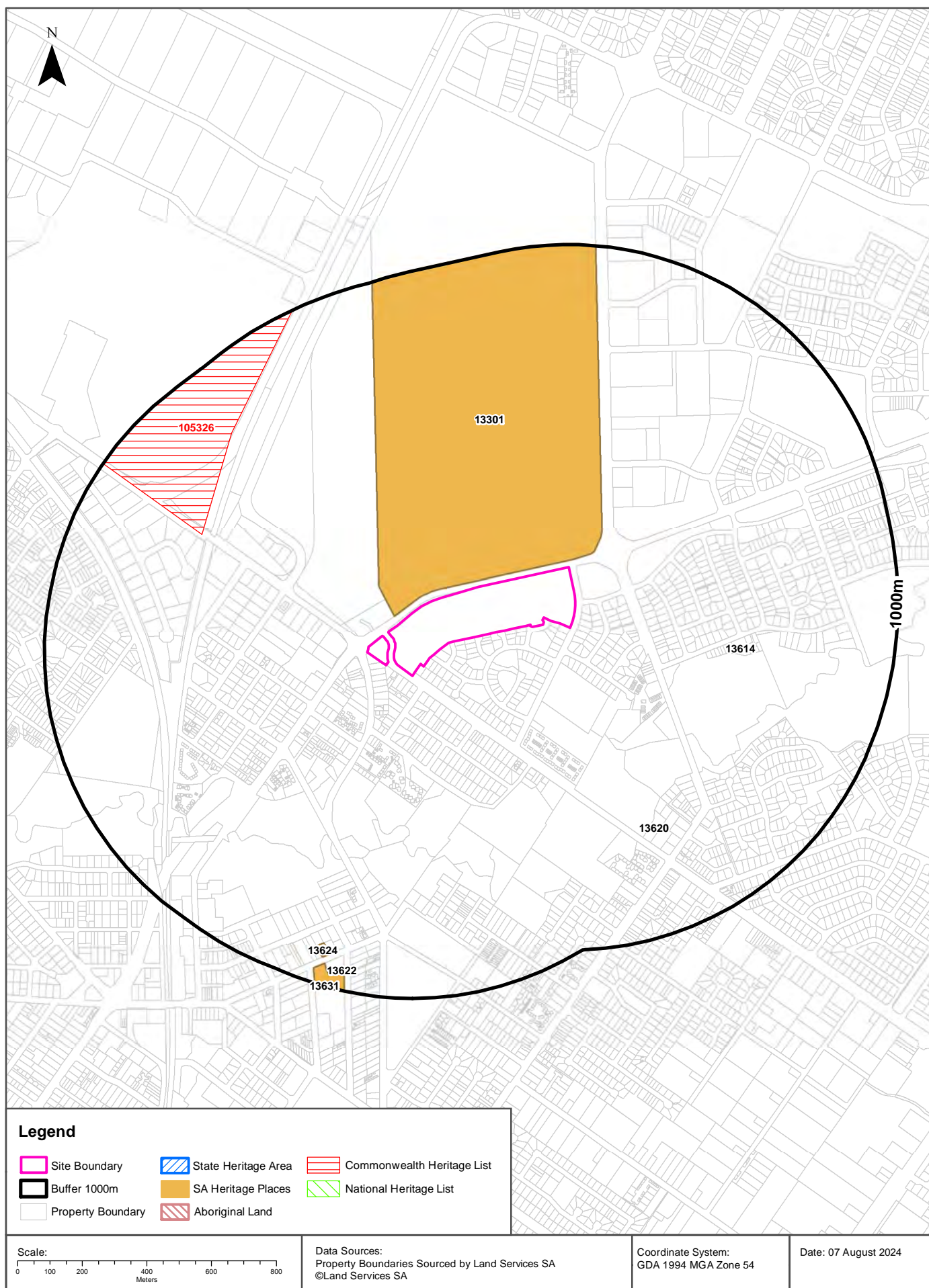
Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Land Use Generalised

Land use classes within the dataset buffer:

Description	Distance	Direction
Vacant Urban Land	0m	On-site
Residential	0m	South
Vacant	0m	West
Reserves	20m	East
Retail Commercial	20m	North
Utilities or Industry	28m	South
Public Institution	61m	South
Non Private Residential	62m	South East
Commercial	181m	South West
Agriculture	273m	North East
Horticulture	438m	South
Food Industry	484m	North East
Education	671m	West
Golf	754m	North West
Recreation	775m	South West

Land Use Generalised Data Source: Dept of Planning, Transport and Infrastructure - South Australia
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Heritage

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

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
105326	Salisbury Explosives Factory (former)	Commercial Rd, Salisbury SA	3/01/024/0019	Historic	Indicative Place		622m	North West

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
N/A	No records in buffer							

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

State Heritage Areas within the dataset buffer:

Heritage Id	Name	Distance	Direction
N/A	No records in buffer		

Heritage Areas Data Source: Dept of Environment, Water and Natural Resources - South Australia
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SA Heritage Places

SA Heritage Places within the dataset buffer:

Heritage No	Location	Heritage Class	Australian Class	Details	Auth Date	Distance	Direction
13301	180 Philip Highway ELIZABETH SOUTH	Local	Business House - Offices	General Motors Holden's Office Building	4/09/2003	20m	North
13614	27 Prunus Avenue ELIZABETH VALE	State	House	Dwelling ('Grove Crescent')		513m	East
13620	2 Saints Road SALISBURY PARK	State	House	Dwelling ('Fendon Grove')		661m	South East
13624	Wiltshire Street SALISBURY	State	Hall	Salisbury Institute		871m	South West
13622	3 Ann Street SALISBURY	State	Police Station	Former Salisbury Police Station, Courthouse & Stables		931m	South West
13631	2-22 Mary Street SALISBURY	State	Primary School	Former Salisbury Primary School		931m	South West

Heritage Places Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Aboriginal Land

Aboriginal Land within the dataset buffer:

Map Id	Grant Date	Address	Locality	Description	Title	Distance	Direction
N/A	No records in buffer						

Aboriginal Land Data Source: Department of State Development, Resources and Energy - South Australia

Natural Hazards

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Bushfire Overlays

Bushfire Overlays from the Planning and Design Code within the dataset buffer:

Overlay Id	Name	Description	Legal Start Date	Legal End Date	Distance	Direction
N/A	No records in buffer					

Bushfire Overlays Data Source: Attorney-General's Department - South Australia
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Bushfires and Prescribed Burns History

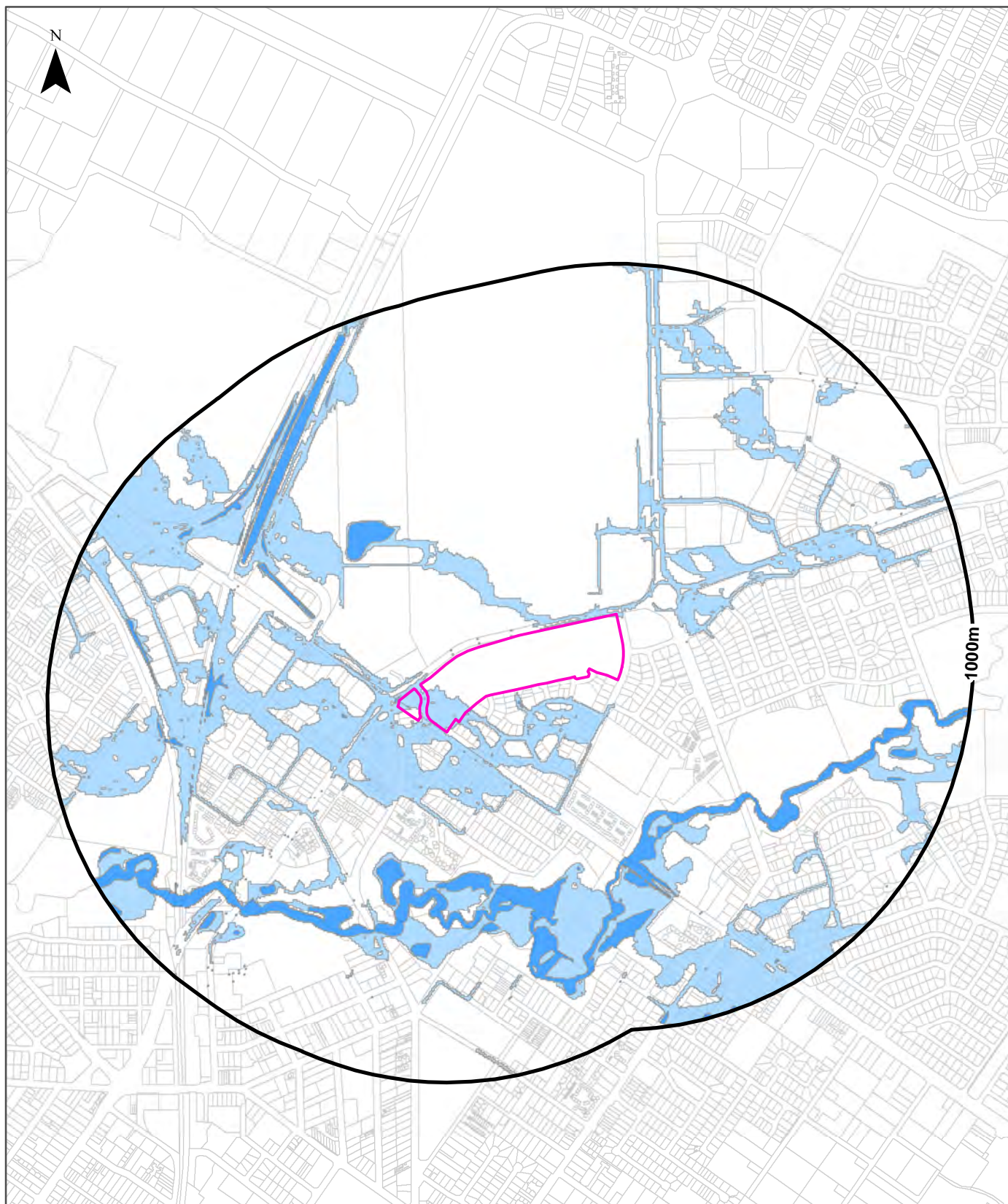
Bushfires and prescribed burns within the dataset buffer:

Map Id	Incident No.	Incident Name	Incident Type	Date of Fire	Area of Fire (ha)	Distance	Direction
N/A	No records in buffer						

Bushfires and Prescribed Burns History Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Natural Hazards - Flood

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Legend

- Site Boundary
- Buffer 1000m
- Property Boundary

Planning and Design Code - Flooding Overlay

- Flooding
- Flooding - General
- Flooding - Evidence Required
- Coastal Flooding
- River Murray Flood Plain Protection

Scale:
0 100 200 400 600
Meters

Data Sources:
Property Boundaries Sourced by Land Services SA
©Land Services SA

Coordinate System:
GDA 1994 MGA Zone 54

Date: 07 August 2024

Natural Hazards

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Flooding Overlays

Flooding Overlays from the Planning and Design Code within the dataset buffer:

Overlay Id	Name	Description	Legal Start	Legal End	Distance	Direction
O2403	Hazards (Flooding)	The Hazards (Flooding) Overlay seeks to minimise flood hazard risk to people, property, infrastructure and the environment.	29/02/2024		0m	On-site
O2414	Hazards (Flooding - General)	The Hazards (Flooding - General) Overlay seeks to minimise impacts of general flood risk through appropriate siting and design of development.	29/02/2024		0m	On-site

Flooding Overlays Data Source: Attorney-General's Department - South Australia

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Ecological Constraints

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Native Vegetation

Record ID	Vegetation Group	Vegetation Group Percentage	Structural Formation Description	Species and Stratum Details	Description of the Environment	Ground Truth Methodology	Capture Scale	Distance	Direction
N/A	No records within the buffer								

Department for Environment and Water Data Source: Native Vegetation Floristic Areas - NVIS - State-wide
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Ecological Constraints

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Collaborative Australian Protected Areas Database - Terrestrial

Protected areas in terrestrial environments identified by the CAPAD within the dataset buffer:

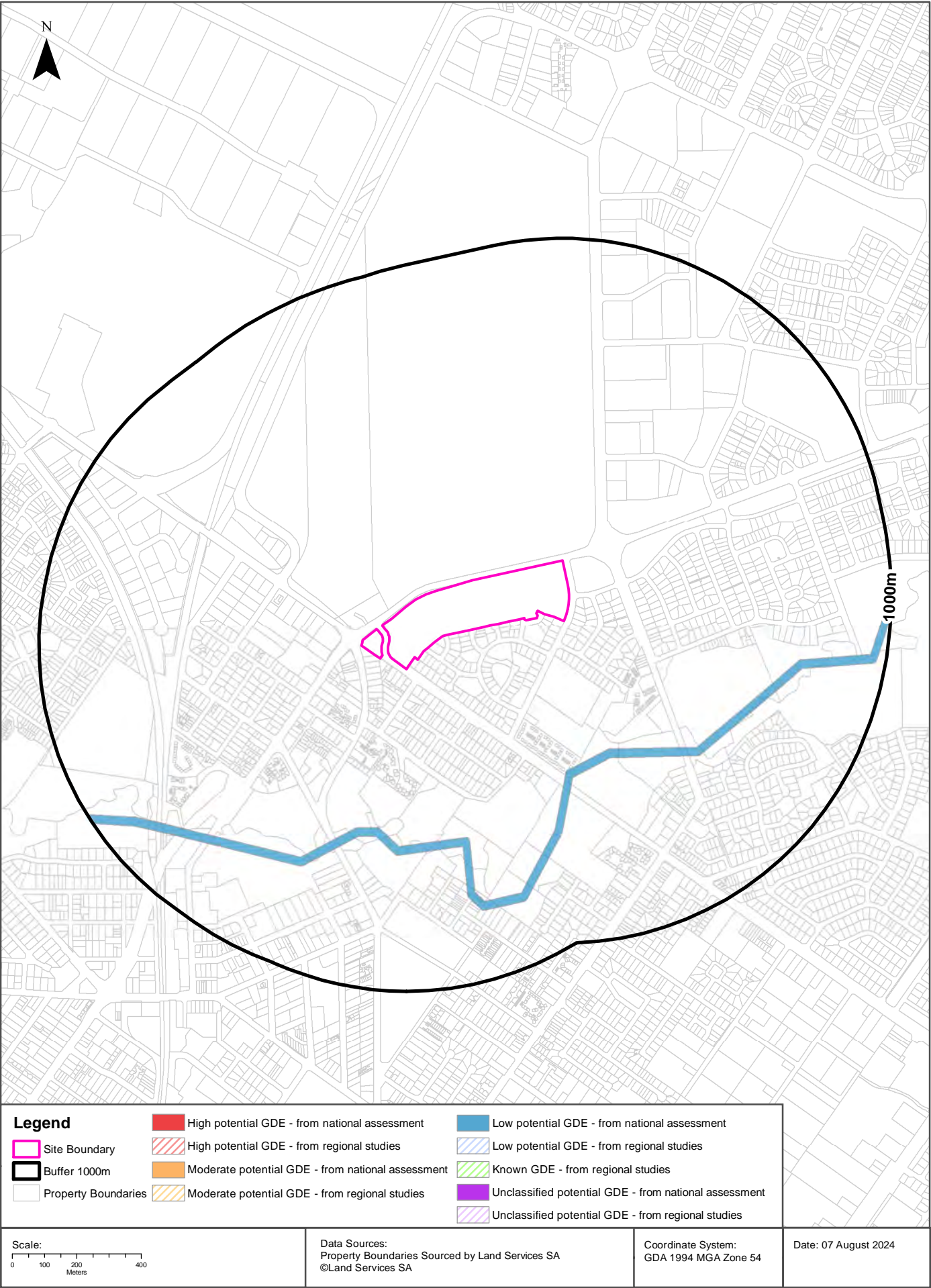
Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
N/A	No records in buffer						

Collaborative Australian Protected Areas Database - Marine

Protected areas in marine environments identified by the CAPAD within the dataset buffer:

Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
N/A	No records in buffer						

Source: Collaborative Australian Protected Areas Database (CAPAD) 2022
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Ecological Constraints

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

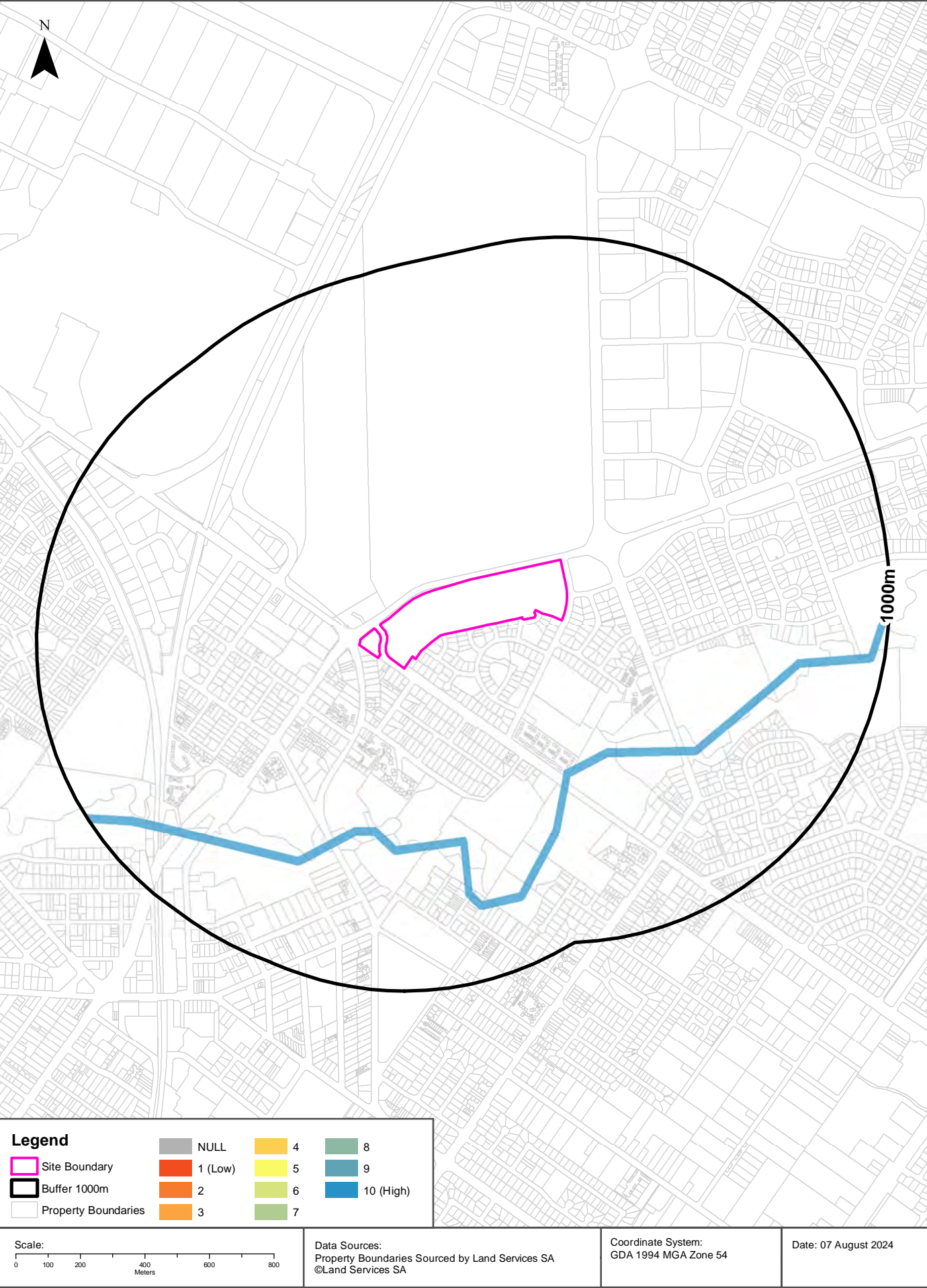
Groundwater Dependent Ecosystems Atlas

Type	Name	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Aquatic		Low potential GDE - from national assessment	Salt lake and bahadas in north; alluvial and littoral plains in south; north-west/south-east longitudinal dunes, mainly stabilized.	River		421m	South East

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

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112



Ecological Constraints

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Inflow Dependent Ecosystems Likelihood

Type	Name	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Aquatic		10	Salt lake and bahadas in north; alluvial and littoral plains in south; north-west/south-east longitudinal dunes, mainly stabilized.	River		421m	South East

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

Corner of John Rice Avenue and Porter Street, Elizabeth South, SA 5112

Ramsar Wetlands

What Ramsar wetland areas exist within the dataset buffer?

Wetland	Distance	Direction
No records in buffer		

Ramsar Wetlands Data Source: Dept of Environment, Water and Natural Resources - South Australia
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

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
Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
Road Intersection	Georeferenced to a road intersection
Buffered Point	A point feature buffered to x metres
Adjacent Match	Land adjacent to a georeferenced feature
Network of Features	Georeferenced to a network of features
Suburb Match	Georeferenced to a suburb boundary
As Supplied	Spatial data supplied by provider

USE OF REPORT - APPLICABLE TERMS

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

1. End User acknowledges and agrees that:
 - (a) the Report is compiled from or using content (**Third Party Content**) which is comprised of:
 - (i) content provided to Lotsearch by third party content suppliers with whom Lotsearch has contractual arrangements or content which is freely available or methodologies licensed to Lotsearch by third parties with whom Lotsearch has contractual arrangements (**Third Party Content Suppliers**); and
 - (ii) content which is derived from content described in paragraph (i);
 - (b) Neither Lotsearch nor Third Party Content Suppliers takes any responsibility for or give any warranty in relation to the accuracy or completeness of any Third Party Content included in the Report including any contaminated land assessment or other assessment included as part of a Report;
 - (c) the Third Party Content Suppliers do not constitute an exhaustive set of all repositories or sources of information available in relation to the property which is the subject of the Report (**Property**) and accordingly neither Lotsearch nor Third Party Content Suppliers gives any warranty in relation to the accuracy or completeness of the Third Party Content incorporated into the report including any contaminated land assessment or other assessment included as part of a Report;
 - (d) Reports are generated at a point in time (as specified by the date/time stamp appearing on the Report) and accordingly the Report is based on the information available at that point in time and Lotsearch is not obliged to undertake any additional reporting to take into consideration any information that may become available between the point in time specified by the date/time stamp and the date on which the Report was provided by Lotsearch to the purchaser of the Report;
 - (e) Reports must be used or reproduced in their entirety and End User must not reproduce or make available to other persons only parts of the Report;
 - (f) Lotsearch has not undertaken any physical inspection of the property;
 - (g) neither Lotsearch nor Third Party Content Suppliers warrants that all land uses or features whether past or current are identified in the Report;
 - (h) the Report does not include any information relating to the actual state or condition of the Property;
 - (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.
3. Neither Lotsearch (nor any of its officers, employees or agents) nor any of its Third Party Content Suppliers will have any liability to End User or any person to whom End User provides the Report and End User must not represent that Lotsearch or any of its Third Party Content Suppliers accepts liability to any such person or make any other representation to any such person on behalf of Lotsearch or any Third Party Content Supplier.
4. 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.
 9. Subject to paragraph 6, Lotsearch excludes liability to End User for loss or damage of any kind, however caused, due to Lotsearch's negligence, breach of contract, breach of any law, in equity, under indemnities or otherwise, arising out of all acts, omissions and events whenever occurring.
 10. Lotsearch acknowledges that if, under applicable State, Territory or Commonwealth law, End User is a consumer certain rights may be conferred on End User which cannot be excluded, restricted or modified. If so, and if that law applies to Lotsearch, then, Lotsearch's liability is limited to the greater of an amount equal to the cost of resupplying the Report and the maximum extent permitted under applicable laws.
 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.



Appendix B: Site Photographs



Photo 1. View of Lot 3002 including service pits, facing north-west



Photo 2. Close up of gas service pit



Photo 3. View of Lot 3002 boundary, facing south



Photo 4. View of Lot 3002 northern boundary, facing west



Photo 5. View of Lot 3002 eastern boundary, facing south-west



Photo 6. View of above ground service infrastructure on Lot 3002, facing south



Photo 7. View of gas signage on Lot 3002 eastern boundary



Photo 8. View of Lot 4002 western boundary, facing north



Photo 9. View of Lot 4002, facing east



Photo 10. View of Lot 4002 western boundary, facing south



Photo 11. View of Lot 4002 eastern boundary, facing north



Photo 12. View of Lot 4002 eastern boundary, facing south



Photo 13. View of Lot 4002 northern boundary, facing west



Photo 14. View of Lot 4002 northern boundary, facing east including United Petrol station



Photo 15. View of Lot 4002, facing west



Photo 16. View of rubbish along eastern boundary of Lot 4002



Photo 17. View of eastern end of soil mound along Lot 4002 northern boundary



Photo 18. View of eastern end of soil mound along Lot 4002 northern boundary, including rubble inclusions



Photo 19. View of soil mound along northern boundary of Lot 4002, facing west



Photo 20. View of western edge of soil mound along northern boundary of Lot 4002, facing east



Photo 21. View of small grassed over mounds in centre of the site



Photo 22. Close up of mound containing rubble in the centre of the site



Photo 23.View of small mound in the centre of the site



Photo 24.View of ASTs at United petrol station



Photo 25.View of Genis Steel across John Rice Avenue, facing north



Photo 26.View of On-the-Run service station, facing west



Appendix C : Current Certificates of Title

The Registrar-General certifies that this Title Register Search displays the records maintained in the Register Book and other notations at the time of searching.



Registrar-General

Certificate of Title - Volume 6085 Folio 111

Parent Title(s) CT 5782/178
Dealing(s) RTC 11646695
Creating Title
Title Issued 11/10/2011
Edition 2
Edition Issued 18/04/2012

REAL PROPERTY ACT, 1886



Estate Type

FEE SIMPLE

Registered Proprietor

URBAN RENEWAL AUTHORITY
OF LEVEL 9 (WEST) RIVERSIDE CENTRE NORTH TERRACE ADELAIDE SA 5000

Description of Land

ALLOTMENT 4002 DEPOSITED PLAN 87538
IN THE AREA NAMED ELIZABETH SOUTH
HUNDRED OF MUNNO PARA

Easements

SUBJECT TO EASEMENT(S) OVER THE LAND MARKED C TO THE MINISTER FOR INFRASTRUCTURE (T 3784140)

Schedule of Dealings

NIL

Notations

Dealings Affecting Title

NIL

Priority Notices

NIL

Notations on Plan

NIL



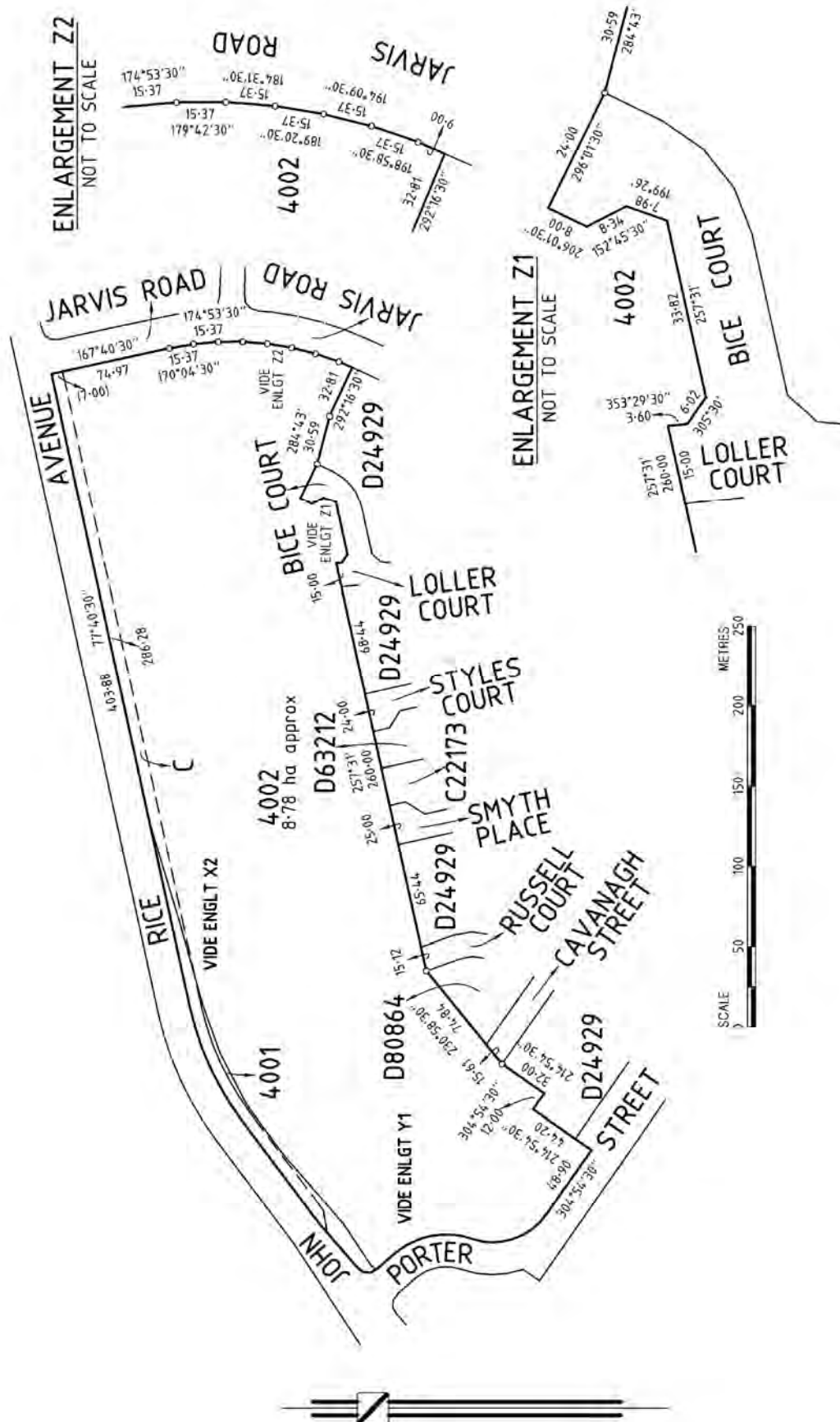
Registrar-General's Notes

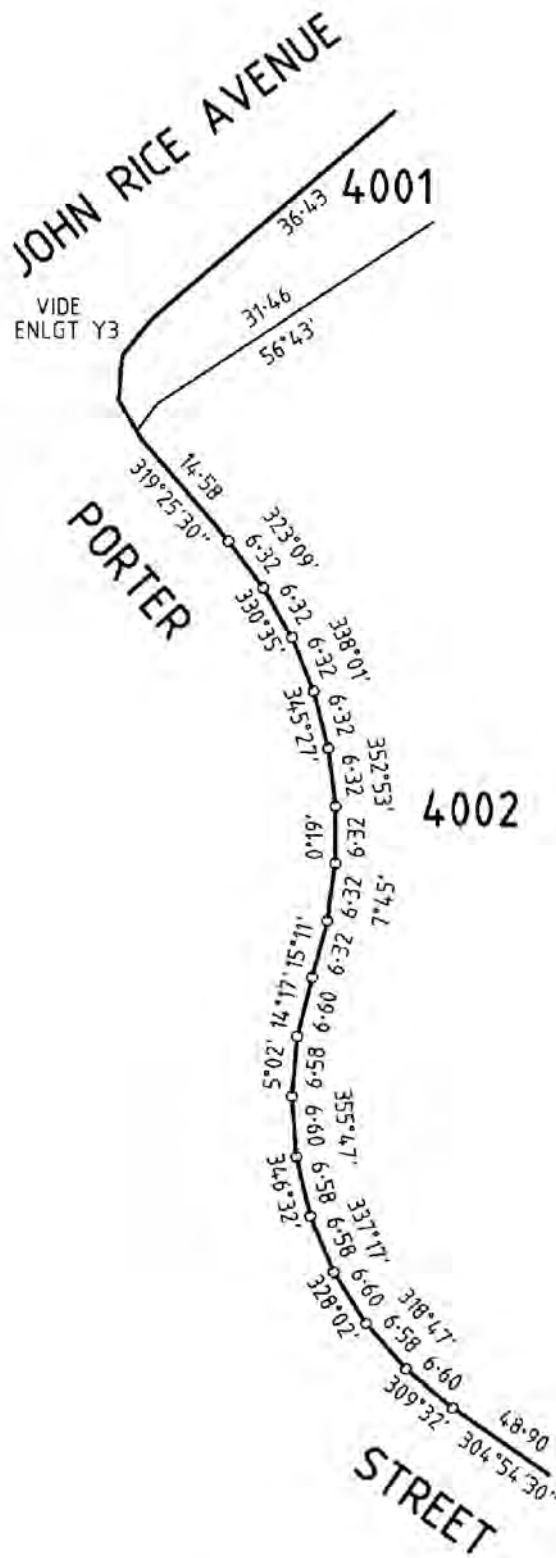
APPROVED FX57619

Administrative Interests

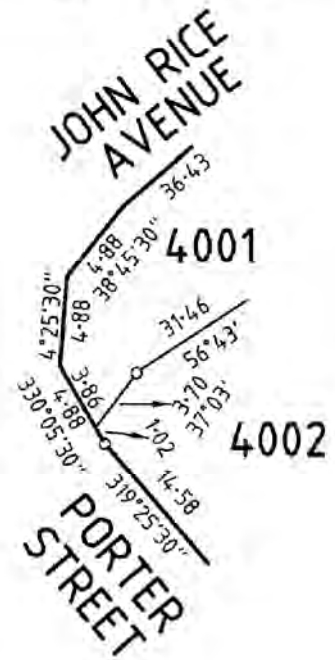
NIL

* Denotes the dealing has been re-lodged.

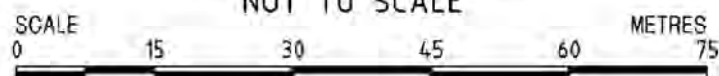


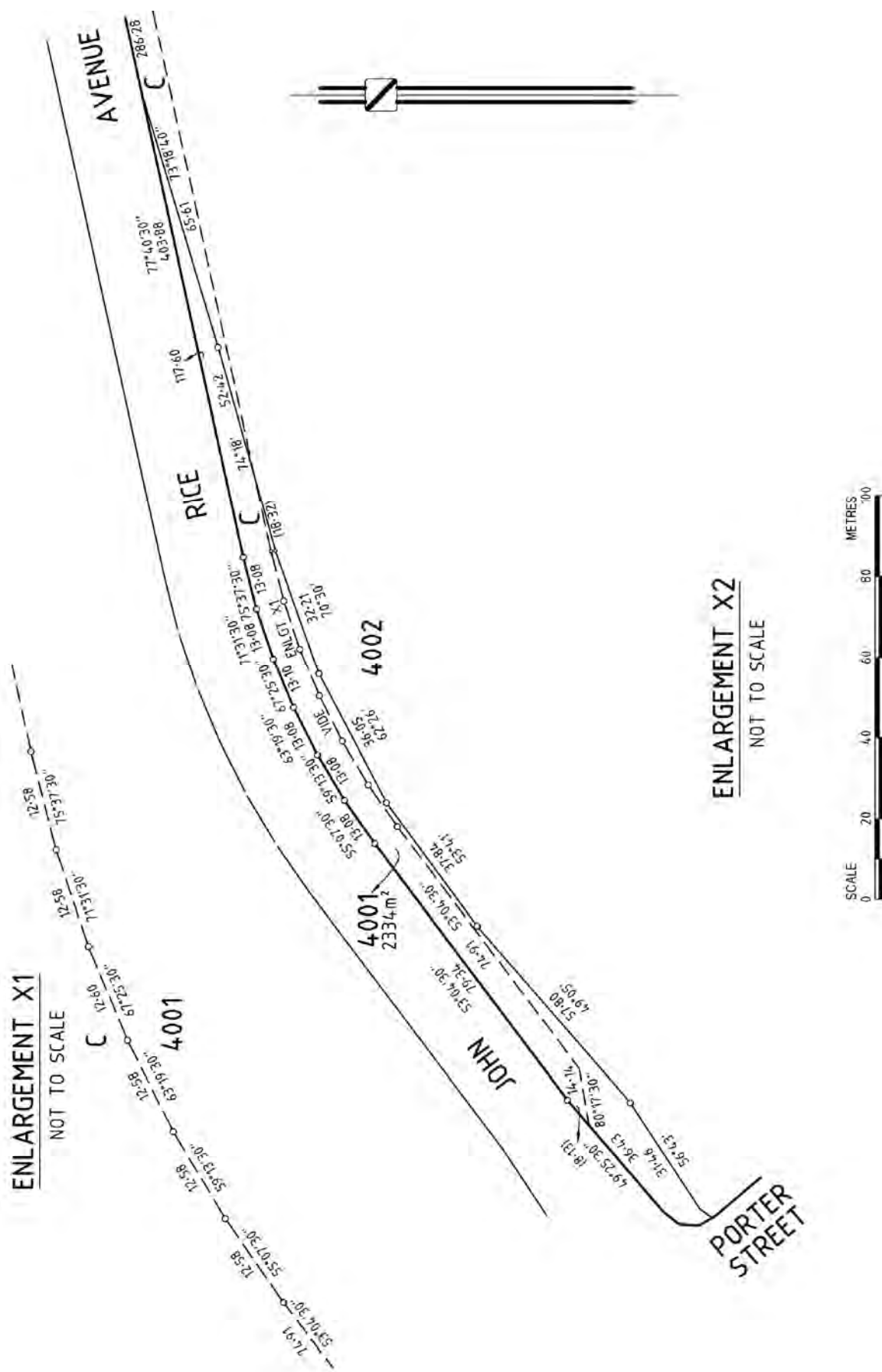


ENLARGEMENT Y3
NOT TO SCALE



ENLARGEMENT Y1
NOT TO SCALE





The Registrar-General certifies that this Title Register Search displays the records maintained in the Register Book and other notations at the time of searching.



Registrar-General

Certificate of Title - Volume 6085 Folio 393

Parent Title(s) CT 5452/858
Dealing(s) RTC 11646692
Creating Title
Title Issued 17/10/2011
Edition 2
Edition Issued 18/04/2012

REAL PROPERTY ACT, 1886



Estate Type

FEE SIMPLE

Registered Proprietor

URBAN RENEWAL AUTHORITY
OF LEVEL 9 (WEST) RIVERSIDE CENTRE NORTH TERRACE ADELAIDE SA 5000

Description of Land

ALLOTMENT 3002 DEPOSITED PLAN 87537
IN THE AREA NAMED SALISBURY
HUNDRED OF MUNNO PARA

Easements

SUBJECT TO EASEMENT(S) OVER THE LAND MARKED B TO THE MINISTER FOR INFRASTRUCTURE (VM 8361884)

SUBJECT TO EASEMENT(S) OVER THE LAND MARKED A TO THE ETSA CORPORATION (VM 8361884)

Schedule of Dealings

NIL

Notations

Dealings Affecting Title

NIL

Priority Notices

NIL

Notations on Plan



NIL

Registrar-General's Notes

APPROVED FX57619

Administrative Interests

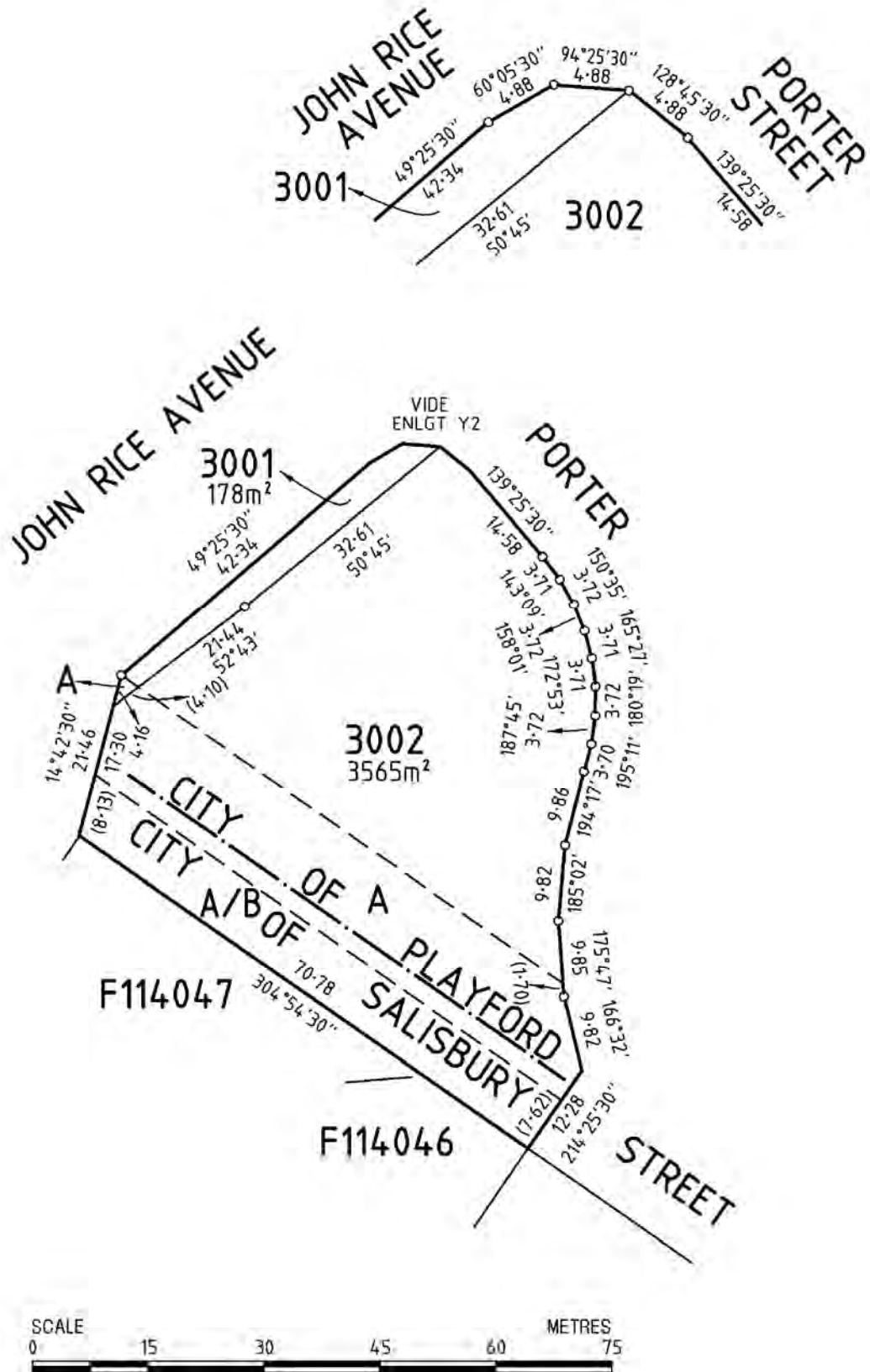
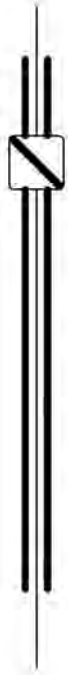
NIL

* Denotes the dealing has been re-lodged.



ENLARGEMENT Y2

NOT TO SCALE





Appendix D : Section 7 Records

Senversa Pty Ltd
Ground Floor
190 Flinders Street
ADELAIDE SA 5000

Contact: Section 7
Telephone: (08) 8204 2026
Email: epasection7@sa.gov.au

Contact: Public Register
Telephone: (08) 8204 9128
Email: epa.publicregister@sa.gov.au

01 October, 2024

EPA STATEMENT TO FORM 1 - CONTRACTS FOR SALE OF LAND OR BUSINESS

The EPA provides this statement to assist the vendor meet its obligations under section 7(1)(b) of the *Land and Business (Sale and Conveyancing) Act 1994*. A response to the questions prescribed in Schedule 1-Contracts for sale of land or business-forms (Divisions 1 and 2) of the *Land and Business (Sale and Conveyancing) Act 1994* is provided in relation to the land.

I refer to your enquiry concerning the parcel of land comprised in

Title Reference CT Volume 6085 Folio 111

Address Allotment 4002 (DP 87538), John Rice Avenue, ELIZABETH SOUTH SA 5112

Schedule – Division 1 – *Land and Business (Sale and Conveyancing) Regulations 2010*

PARTICULARS OF MORTGAGES, CHARGES AND PRESCRIBED ENCUMBRANCES AFFECTING THE LAND

8. *Environment Protection Act 1993*

Does the EPA hold any of the following details relating to the *Environment Protection Act 1993*:

8.1	Section 59 - Environment performance agreement that is registered in relation to the land.	NO
8.2	Section 93 - Environment protection order that is registered in relation to the land.	NO
8.3	Section 93A - Environment protection order relating to cessation of activity that is registered in relation to the land.	NO
8.4	Section 99 - Clean-up order that is registered in relation to the land.	NO
8.5	Section 100 - Clean-up authorisation that is registered in relation to the land.	NO
8.6	Section 103H - Site contamination assessment order that is registered in relation to the land.	NO
8.7	Section 103J - Site remediation order that is registered in relation to the land.	NO

8.8	Section 103N - Notice of declaration of special management area in relation to the land (due to possible existence of site contamination).	NO
8.9	Section 103P - Notation of site contamination audit report in relation to the land.	NO
8.10	Section 103S - Notice of prohibition or restriction on taking water affected by site contamination in relation to the land.	NO

Schedule – Division 2 – *Land and Business (Sale and Conveyancing) Regulations 2010*

PARTICULARS RELATING TO ENVIRONMENT PROTECTION

3-Licences and exemptions recorded by EPA in public register

Does the EPA hold any of the following details in the public register:

a)	details of a current licence issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct any prescribed activity of environmental significance under Schedule 1 of that Act at the land?	NO
b)	details of a licence no longer in force issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct any prescribed activity of environmental significance under Schedule 1 of that Act at the land?	NO
c)	details of a current exemption issued under Part 6 of the <i>Environment Protection Act 1993</i> from the application of a specified provision of that Act in relation to an activity carried on at the land?	NO
d)	details of an exemption no longer in force issued under Part 6 of the <i>Environment Protection Act 1993</i> from the application of a specified provision of that Act in relation to an activity carried on at the land?	NO
e)	details of a licence issued under the repealed <i>South Australian Waste Management Commission Act 1979</i> to operate a waste depot at the land?	NO
f)	details of a licence issued under the repealed <i>Waste Management Act 1987</i> to operate a waste depot at the land?	NO
g)	details of a licence issued under the repealed <i>South Australian Waste Management Commission Act 1979</i> to produce waste of a prescribed kind (within the meaning of that Act) at the land?	NO
h)	details of a licence issued under the repealed <i>Waste Management Act 1987</i> to produce prescribed waste (within the meaning of that Act) at the land?	NO

4-Pollution and site contamination on the land - details recorded by the EPA in public register

Does the EPA hold any of the following details in the public register in relation to the land or part of the land:

a)	details of serious or material environmental harm caused or threatened in the course of an activity (whether or not notified under section 83 of the <i>Environment Protection Act 1993</i>)?	NO
----	--	----

- | | | |
|----|--|----|
| b) | details of site contamination notified to the EPA under section 83A of the <i>Environment Protection Act 1993</i> ? | NO |
| c) | a copy of a report of an environmental assessment (whether prepared by the EPA or some other person or body and whether or not required under legislation) that forms part of the information required to be recorded in the public register? | NO |
| d) | a copy of a site contamination audit report? | NO |
| e) | details of an agreement for the exclusion or limitation of liability for site contamination to which section 103E of the <i>Environment Protection Act 1993</i> applies? | NO |
| f) | details of an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | NO |
| g) | details of an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| h) | details of a notification under section 103Z(1) of the <i>Environment Protection Act 1993</i> relating to the commencement of a site contamination audit? | NO |
| i) | details of a notification under section 103Z(2) of the <i>Environment Protection Act 1993</i> relating to the termination before completion of a site contamination audit? | NO |
| j) | details of records, held by the former <i>South Australian Waste Management Commission</i> under the repealed <i>Waste Management Act 1987</i> , of waste (within the meaning of that Act) having been deposited on the land between 1 January 1983 and 30 April 1995? | NO |

5-Pollution and site contamination on the land - other details held by EPA

Does the EPA hold any of the following details in relation to the land or part of the land:

- | | | |
|----|--|----|
| a) | a copy of a report known as a "Health Commission Report" prepared by or on behalf of the <i>South Australian Health Commission</i> (under the repealed <i>South Australian Health Commission Act 1976</i>)? | NO |
| b) | details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | NO |
| c) | details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| d) | a copy of a pre-1 July 2009 site audit report? | NO |
| e) | details relating to the termination before completion of a pre-1 July 2009 site audit? | NO |

All care and diligence has been taken to access the above information from available records. Historical records provided to the EPA concerning matters arising prior to 1 May 1995 are limited and may not be accurate or complete.



Environment Protection Authority
GPO Box 2607 Adelaide SA 5001
211 Victoria Square Adelaide SA 5000
T (08) 8204 2004
Country areas 1800 623 445

Senversa Pty Ltd
Ground Floor
190 Flinders Street
ADELAIDE SA 5000

Contact: Section 7
Telephone: (08) 8204 2026
Email: epasection7@sa.gov.au

Contact: Public Register
Telephone: (08) 8204 9128
Email: epa.publicregister@sa.gov.au

01 October, 2024

EPA STATEMENT TO FORM 1 - CONTRACTS FOR SALE OF LAND OR BUSINESS

The EPA provides this statement to assist the vendor meet its obligations under section 7(1)(b) of the *Land and Business (Sale and Conveyancing) Act 1994*. A response to the questions prescribed in Schedule 1-Contracts for sale of land or business-forms (Divisions 1 and 2) of the *Land and Business (Sale and Conveyancing) Act 1994* is provided in relation to the land.

I refer to your enquiry concerning the parcel of land comprised in

Title Reference CT Volume 6085 Folio 393
Address Allotment 3002 (DP 87537), SALISBURY SA 5108

Schedule – Division 1 – *Land and Business (Sale and Conveyancing) Regulations 2010*

PARTICULARS OF MORTGAGES, CHARGES AND PRESCRIBED ENCUMBRANCES AFFECTING THE LAND

8. *Environment Protection Act 1993*

Does the EPA hold any of the following details relating to the *Environment Protection Act 1993*:

8.1	Section 59 - Environment performance agreement that is registered in relation to the land.	NO
8.2	Section 93 - Environment protection order that is registered in relation to the land.	NO
8.3	Section 93A - Environment protection order relating to cessation of activity that is registered in relation to the land.	NO
8.4	Section 99 - Clean-up order that is registered in relation to the land.	NO
8.5	Section 100 - Clean-up authorisation that is registered in relation to the land.	NO
8.6	Section 103H - Site contamination assessment order that is registered in relation to the land.	NO
8.7	Section 103J - Site remediation order that is registered in relation to the land.	NO

8.8	Section 103N - Notice of declaration of special management area in relation to the land (due to possible existence of site contamination).	NO
8.9	Section 103P - Notation of site contamination audit report in relation to the land.	NO
8.10	Section 103S - Notice of prohibition or restriction on taking water affected by site contamination in relation to the land.	NO

Schedule – Division 2 – *Land and Business (Sale and Conveyancing) Regulations 2010*

PARTICULARS RELATING TO ENVIRONMENT PROTECTION

3-Licences and exemptions recorded by EPA in public register

Does the EPA hold any of the following details in the public register:

a)	details of a current licence issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct any prescribed activity of environmental significance under Schedule 1 of that Act at the land?	NO
b)	details of a licence no longer in force issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct any prescribed activity of environmental significance under Schedule 1 of that Act at the land?	NO
c)	details of a current exemption issued under Part 6 of the <i>Environment Protection Act 1993</i> from the application of a specified provision of that Act in relation to an activity carried on at the land?	NO
d)	details of an exemption no longer in force issued under Part 6 of the <i>Environment Protection Act 1993</i> from the application of a specified provision of that Act in relation to an activity carried on at the land?	NO
e)	details of a licence issued under the repealed <i>South Australian Waste Management Commission Act 1979</i> to operate a waste depot at the land?	NO
f)	details of a licence issued under the repealed <i>Waste Management Act 1987</i> to operate a waste depot at the land?	NO
g)	details of a licence issued under the repealed <i>South Australian Waste Management Commission Act 1979</i> to produce waste of a prescribed kind (within the meaning of that Act) at the land?	NO
h)	details of a licence issued under the repealed <i>Waste Management Act 1987</i> to produce prescribed waste (within the meaning of that Act) at the land?	NO

4-Pollution and site contamination on the land - details recorded by the EPA in public register

Does the EPA hold any of the following details in the public register in relation to the land or part of the land:

a)	details of serious or material environmental harm caused or threatened in the course of an activity (whether or not notified under section 83 of the <i>Environment Protection Act 1993</i>)?	NO
----	--	----

b)	details of site contamination notified to the EPA under section 83A of the <i>Environment Protection Act 1993</i> ?	NO
c)	a copy of a report of an environmental assessment (whether prepared by the EPA or some other person or body and whether or not required under legislation) that forms part of the information required to be recorded in the public register?	NO
d)	a copy of a site contamination audit report?	NO
e)	details of an agreement for the exclusion or limitation of liability for site contamination to which section 103E of the <i>Environment Protection Act 1993</i> applies?	NO
f)	details of an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ?	NO
g)	details of an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ?	NO
h)	details of a notification under section 103Z(1) of the <i>Environment Protection Act 1993</i> relating to the commencement of a site contamination audit?	NO
i)	details of a notification under section 103Z(2) of the <i>Environment Protection Act 1993</i> relating to the termination before completion of a site contamination audit?	NO
j)	details of records, held by the former <i>South Australian Waste Management Commission</i> under the repealed <i>Waste Management Act 1987</i> , of waste (within the meaning of that Act) having been deposited on the land between 1 January 1983 and 30 April 1995?	NO

5-Pollution and site contamination on the land - other details held by EPA

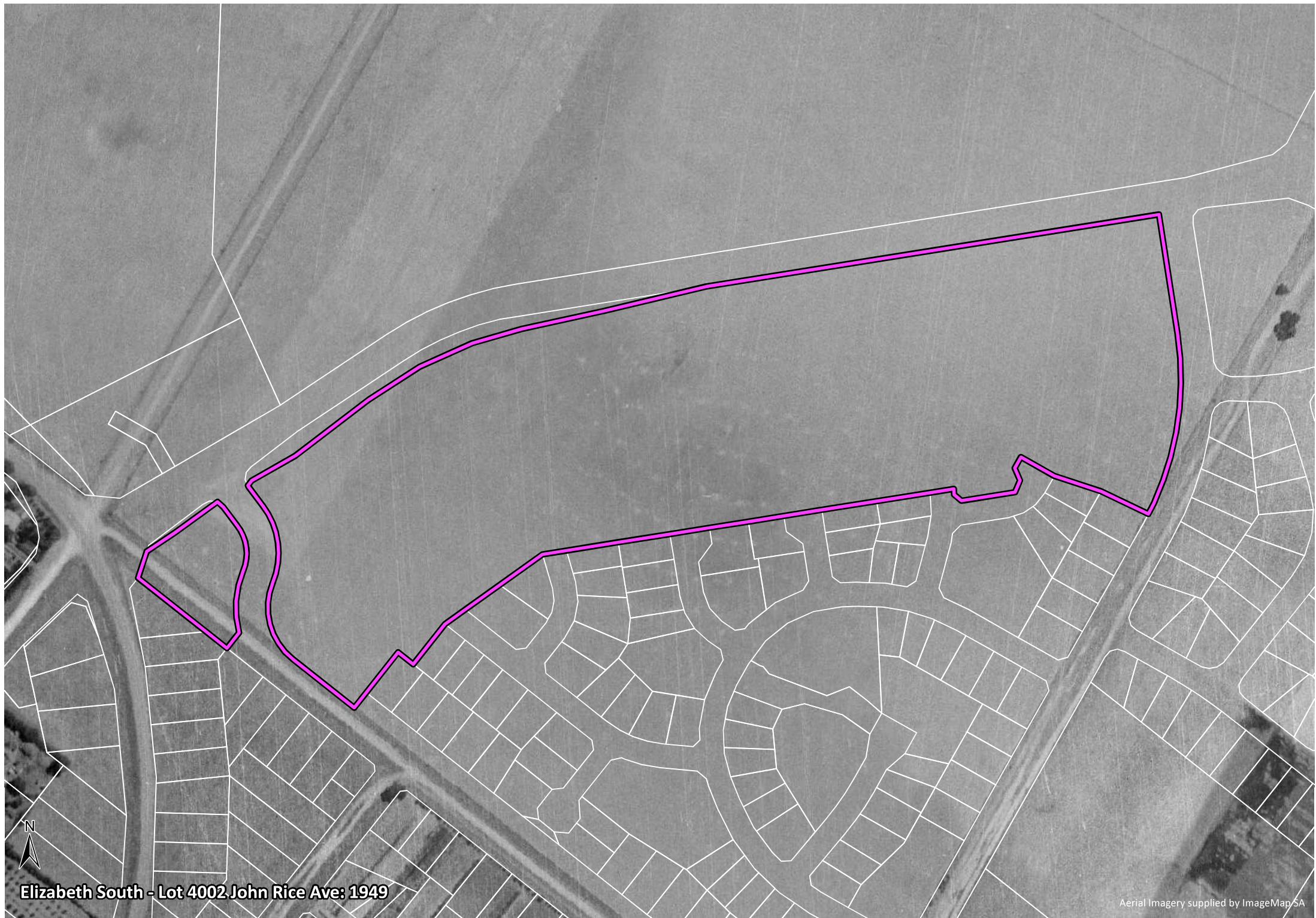
Does the EPA hold any of the following details in relation to the land or part of the land:

a)	a copy of a report known as a "Health Commission Report" prepared by or on behalf of the <i>South Australian Health Commission</i> (under the repealed <i>South Australian Health Commission Act 1976</i>)?	NO
b)	details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ?	NO
c)	details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ?	NO
d)	a copy of a pre-1 July 2009 site audit report?	NO
e)	details relating to the termination before completion of a pre-1 July 2009 site audit?	NO

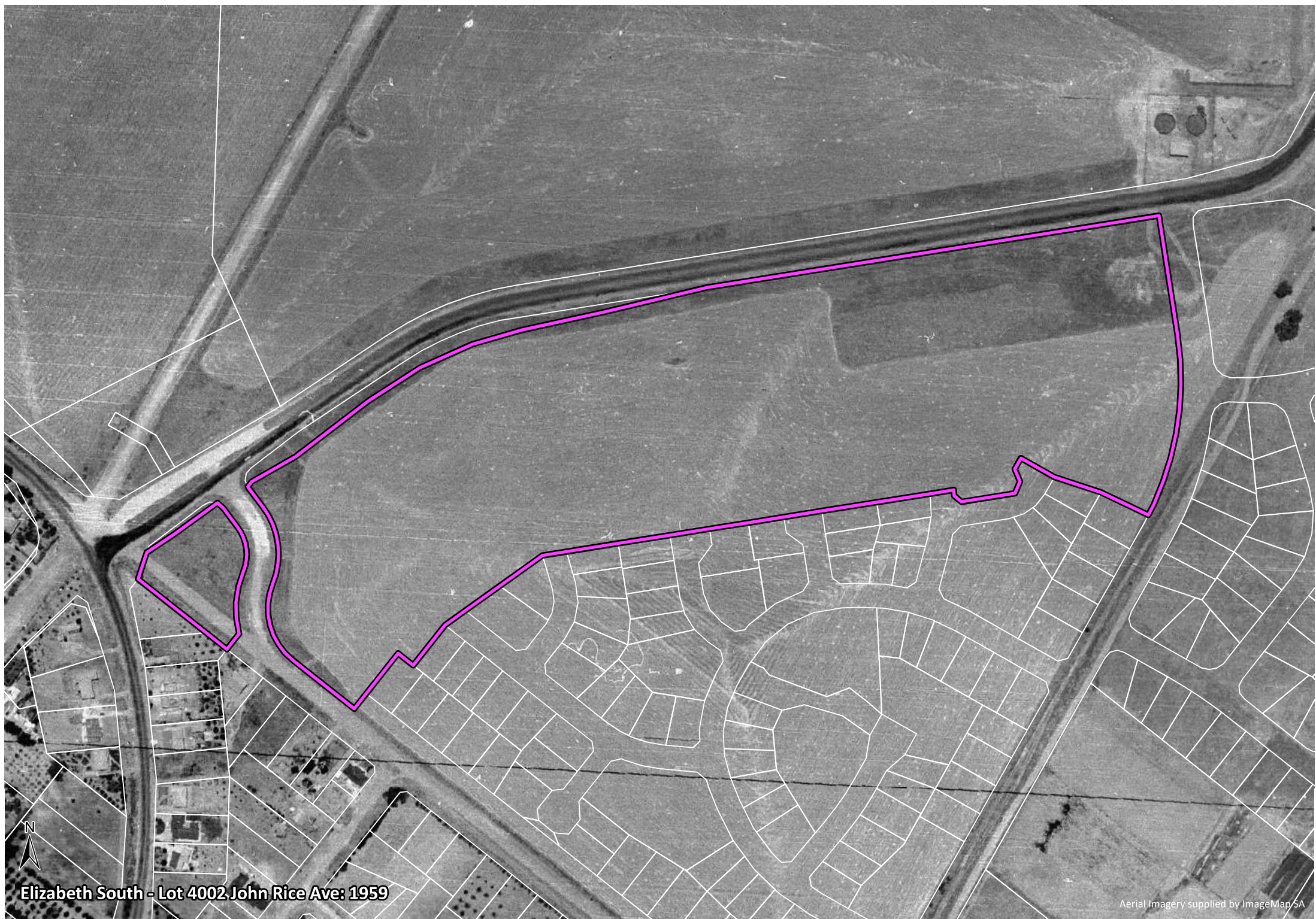
All care and diligence has been taken to access the above information from available records. Historical records provided to the EPA concerning matters arising prior to 1 May 1995 are limited and may not be accurate or complete.



Appendix E: Aerial Photographs



Elizabeth South - Lot 4002 John Rice Ave: 1949



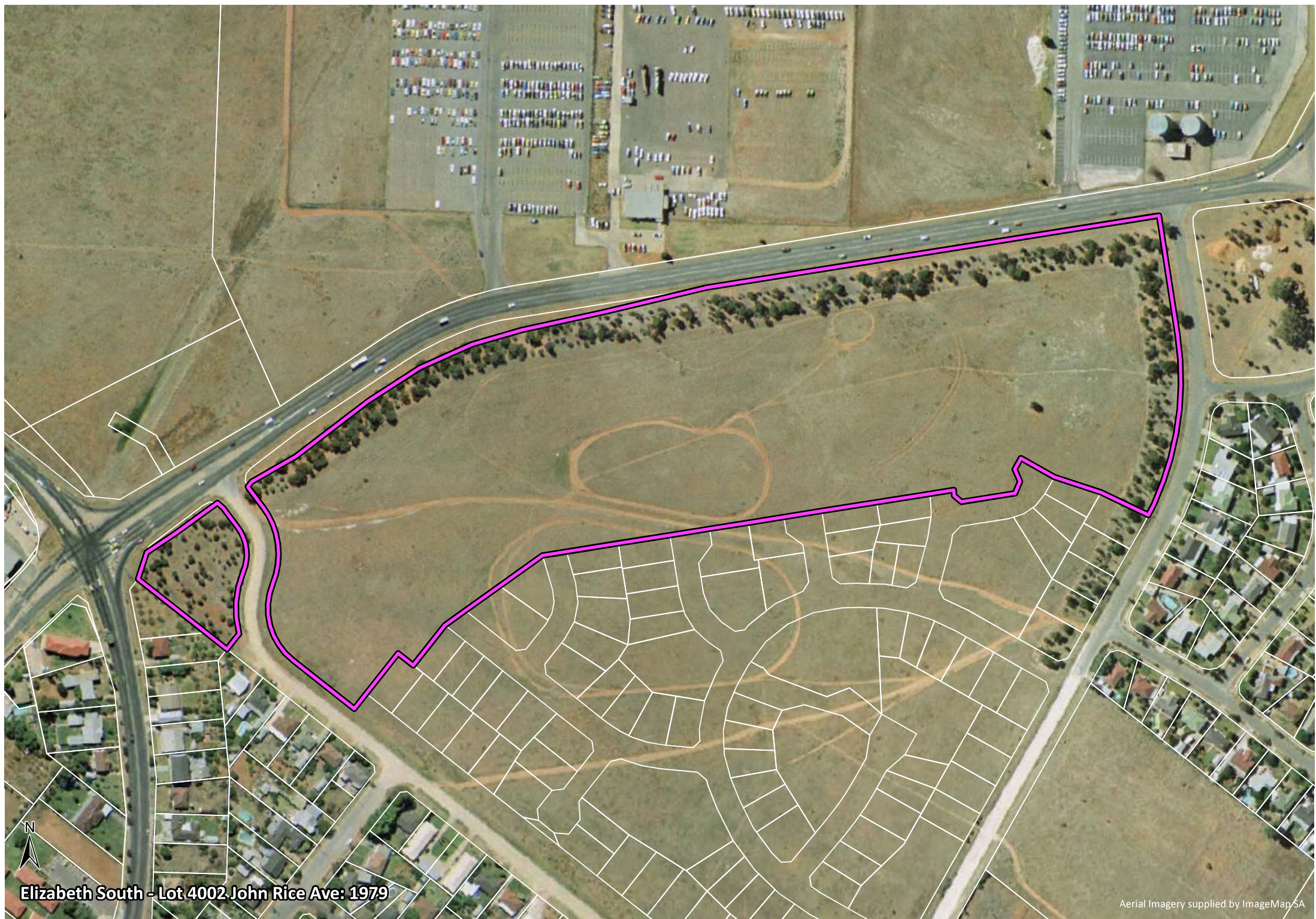
Elizabeth South - Lot 4002 John Rice Ave: 1959

Aerial Imagery supplied by ImageMap SA



Elizabeth South - Lot 4002 John Rice Ave: 1969

Aerial Imagery supplied by ImageMap SA



Elizabeth South - Lot 4002 John Rice Ave: 1979



Elizabeth South - Lot 4002 John Rice Ave: 1989



Elizabeth South - Lot 4002 John Rice Ave: 2000

Aerial Imagery supplied by ImageMap SA



Elizabeth South - Lot 4002 John Rice Ave: 2010



Elizabeth South - Lot 4002 John Rice Ave: 2020



Elizabeth South - Lot 4002 John Rice Ave: 2024



Appendix F: Site Inspection Record

Site Inspection Record

Project No:	A21816	Project:	Elizabeth South PSI
Date:	7/8/24	Client:	Renewal SA
Location:	Cnr Porter St/John Rice Av	Field Personnel:	JC
Weather:	15°C sunny	Sub-Contractors:	—

Section 1: Project and Site Details

Site Address Details		
Unit / Street Number:	Lot 4002 / Lot 3002	
Suburb / Town:	Elizabeth Sth / Salisbury	
Corner Street & Direction:	Porter St / John Rice Av	
Street / Road:	John Rice Av / Porter St	
State:	SA	Postcode: 5112 / 5108
Municipality:	City of playford / City of Salisbury	
Title Information		
Lot & Plan Number:	4002 / 3002	
Section / Allotment:	D87338 A4002 / D87537 / A4002	
Parish:	Munno Para	
Volume & Folio Number:	CT6085/111 and 6085/393	
Site Contact Details		
Relationship to Site	Phone Number	
Contact 1: Joel chance	Renewal SA contact	Phone: 0468 563 938
Contact 2: —	—	Phone: —
Other:	Phone: —	
Site Owner / Occupier		
Name:	Renewal SA	
Company:	—	
Site Lessee		
Name:	—	
Company:	—	
Not applicable:	N/A	
Previous Owner/Occupier		
Name:	SA Housing Trust	
Company:	—	
Not known:	—	
Type of Facility		
Residential	Tick	Commercial
Industrial	Tick	Greenfield
Other (specify):	Public park / reserve	
Site Operations		
Current operations (specify):	public park / reserve	
Non-Operational (specify):		

Section 2: Physiography and Geology/Hydrology

Site Usage		Tick	Tick
Vacant		<input checked="" type="checkbox"/>	Developed
Partially Vacant			Decommissioned
Other (specify): <u>N/A</u>			
Building Structures:			
<u>some service pits</u>			
<u>some above ground cabinets - likely associated with</u>			
<u>underground service infrastructure</u>			
Topography		Tick	Tick
Flat	<u>with mound along N boundary</u>	<input checked="" type="checkbox"/>	Moderate slope
Very gentle slope			Steep slope
Gentle slope			Undulating
Direction of slope:			
Surrounding Land Use			
North:	<u>road / commercial / industrial</u>	South:	<u>residential</u>
East:	<u>open space / road / residential</u>	West:	<u>resi / roads / commercial / ind</u>
Surrounding premises photographed?			<input checked="" type="checkbox"/> Yes / No
Surrounding land use indicated on sketch plan?			<input checked="" type="checkbox"/> Yes / No
Geology			
Geological conditions observed (e.g. rock outcrops, soil type/s, road cuttings, sand ridges, flood plains, etc):			
<u>built up mound along northern boundary of lot 4002</u>			
<u>several smaller soil mounds containing rubble / waste</u>			
Hydrogeology			
Hydrogeology observed (e.g. nearby surface waters such as rivers, creeks, lakes, bay):			
<u>none observed</u>			

Section 3: Contaminant Sources and Receptors

Potential On-Site Sources of Contamination	Tick
None observed.	
Potential contaminant sources observed (e.g. UTS's, imported fill, waste, stockpiles, fuel/chemical storage, etc):	
<u>soil mounds along northern boundary</u>	
<u>smaller soil mounds containing rubble / waste</u>	
<u>illegal waste / rubbish dumping - particularly</u>	
<u>along eastern boundary</u>	
Potential contaminant sources indicated on sketch plan?	Yes / No

Raw Materials Used On-Site				Tick
None observed.				<input checked="" type="checkbox"/>
Raw materials observed (by common or trade name):				
Potential On-Site Contaminants		Tick	Tick	Tick
TPH		BTEX		PAH
Phenols		PCBs		OCPs / OPPs
Metals / Metalloids	<input checked="" type="checkbox"/>	Asbestos	<input checked="" type="checkbox"/>	Solvents
Other (specify):		VOCs		
pesticide usage		Lead		
fill/soil importation		Biological		
illegal dumping				
Potential Off-Site Sources of Contamination				Tick
None observed.				<input type="checkbox"/>
Potential off-site contaminant sources observed (e.g. UTS's, vent pipes, fuel/chemical storage, waste, etc):				
Service stations x 2 across John Rice Avenue				
Steel manufacturer to the north of the site				
Potential contaminant sources indicated on sketch plan?				Yes / No
Potential Receptors				Tick
Nearest surface water body:		Distance & direction from site:		
Little Para River		400m south		
Nearest groundwater use:		No nearby surface water bodies.		
unknown				
Nearby sensitive land uses (e.g. residents, schools, parks, etc.):				
residential properties surrounding site				
Underground Services				Tick
Water mains	Asset provider (if known):	PID (ppm):	Not observed	<input type="checkbox"/>
Stormwater	Asset provider (if known):	PID (ppm):	Not observed	<input type="checkbox"/>
Sewer	Asset provider (if known):	PID (ppm):	Not observed	<input type="checkbox"/>
Electricity	Asset provider (if known):	PID (ppm):	Not observed	<input type="checkbox"/>
Gas	Asset provider (if known):	PID (ppm):	Not observed	<input type="checkbox"/>
Telephone	Asset provider (if known):	PID (ppm):	Not observed	<input type="checkbox"/>
Site Conditions				
Surface coverings (e.g. asphalt, concrete, gravel, grass, etc.):				
grass and trees				
Condition of surface (e.g. cracks, subsidence):				
good condition generally				
Vegetation type/s and condition:				
grass and trees, generally good condition, some weeds				
Area/s of exposed soil:				
several across both lots				
Filled areas:				
soil mounds				
Aesthetic issues (e.g. staining, odours, discarded waste):				
waste in mounds / rubbish dumped				
Waste storage and transfer locations:				
N/A				
Other (specify):				
N/A				

Section 4: UST / AST System Details

UST/AST	Tank Type ¹	Tank Capacity	Product Type ²	Status ³	Age
1					
2					
3					
4					
5					
6					

¹ Steel, fibreglass, split compartment, etc. ² Unleaded Petrol (ULP), Premium Unleaded Petrol (PULP), Diesel, Liquid Petroleum Gas (LPG), etc.
³ In use, decommissioned, abandoned, unknown.

Underground Petroleum Storage System (UPSS) Details

Fill and dip points:	Bowser/s:
Vent pipe:	Leak detection Yes / No Spill Containment Yes / No
Tank pit observation bores:	Groundwater monitoring wells:

UPSS History

Document current and historical (if known) use of UPSS:

Section 5: Anecdotal Site History

Source of Information

Name:	Relationship to Site:
Name:	Relationship to Site:

Age of Facility Tick

Best known age:	Approximate age:	Not known
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Previous Land Use

Site History

Previous Environmental Investigations Tick

No previous site investigation.

Details of previous site investigation/s (e.g. date, assessor, etc):

Known Spills / Leaks	Tick
None known.	
Details of spill/leak type (i.e. chemical/fuel), source, location, extent, amount lost, remedial actions, etc.:	

Section 6: Site Map Information Checklist

Site Plan Checklist	Done	N/A
All soil bore / test pit locations correctly indicated		✓
All monitoring well locations correctly indicated		✓
Scale or measured distances / areas included		✓
Surface stained areas indicated		✓
All surface types included	✓	
Location of underground storage tanks / aboveground storage tanks included		✓
Location of bowzers / pumps / vent pipes included		✓
Location of underground / aboveground services included		✓
Location and extent of relevant buildings included		✓
Location of potentially contaminating activities / contamination sources included	✓	
Location of on-site waste storage		✓
Slope of site indicated	✓	
Adjacent streets included	✓	
Adjoining properties and land uses indicated	✓	
On-site and nearby groundwater wells (and use) indicated		✓
Proposed sample locations		✓

Section 7: Photograph Record Checklist

Site Plan Checklist	Done	N/A
Photo record of all stained areas		✓
Photo record of site buildings		✓
Photo record of UST/AST locations and associated infrastructure		✓
Photo record of underground / aboveground services	✓	
Photo record of all site activities / potential contamination sources / raw materials used onsite	✓	
Photo record of site boundary conditions	✓	

Sign off: Resceto

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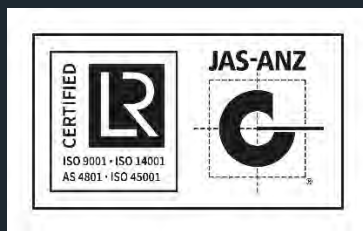
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