



MFS Port Augusta Station



Preliminary Site Investigation

South Australian Metropolitan Fire Service

28 August 2023

→ The Power of Commitment



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Executive Summary

GHD Pty Ltd (GHD) was engaged by the South Australian (SA) Metropolitan Fire Service (MFS) to prepare this Preliminary Site Investigation (PSI) for the Port Augusta Fire Station, located at 1 Trent Road, Port Augusta, South Australia 5700 (the site). This PSI is limited to potential impacts arising from the historic use of firefighting foam containing per- and poly-fluoroalkyl substances (PFAS).

The purpose of the PSI is to address the action required in the SA Environment Protection Authority (EPA), issued to the MFS on 1 February 2023. The letter prescribes the need to develop a plan of proposed works to address high-risk MFS sites, of which Port Augusta Fire Station is included. The SA EPA letter can be found in Appendix A. This report is subject to, and must be read in conjunction with, the limitations set out in Section 3 and the assumptions and qualifications contained throughout the report.

The objectives of this PSI are in accordance with the appropriate guidance and legislation as outlined in Section 1.3 and include the following:

- Determine the potential presence of PFAS impacts associated with historical use of firefighting foam at the site
- Identify potential sensitive receptors that may be at risk due to PFAS contamination at the site, in the context of the site's continued commercial/industrial use and the relevant adjacent land uses and environments

The scope of works for the PSI is summarised below:

- Desktop assessment and site inspection to determine the site history and historical activities which may have resulted to PFAS contamination of the site and surrounds,
- Identification of sensitive land uses, groundwater bore usage and ecological receptors to determine potential environmental values of groundwater/surface water in the vicinity of the site,
- Development of a Preliminary Conceptual Site Model (PCSM), comprising an assessment of PFAS source areas, pathways, and receptors,
- Preparation of a PSI report

The results of this desktop investigation provided information for the development of a PCSM and to inform the preparation of an SAQP for further assessments.

The site history review identified the following potential contamination sources:

- Anecdotal evidence information confirmed the use of PFAS containing AFFF at the site since 1984,
- Training and washdown of PFAS containing AFFF on sealed and unsealed areas of the site,
- Storage of AFFF on site in numerous 20 L plastic drums, a 200 L plastic drum and various appliances,
- Minimal soil sampling has been undertaken on-site with samples reporting results below the adopted HIL B assessment criteria, however they exceeded the ecological indirect exposure guidelines,
- Groundwater at the site was deemed to have no environmental value for extraction and use due to high salinity. However, due to the site's proximity to the Harbor of Port Augusta, it was deemed to have aquatic ecosystem, recreation, and aesthetic values

The PCSM identified the following potentially complete PFAS exposure pathways:

- Exposure of site users, visitors, maintenance and construction workers to PFAS via direct dermal contact, incidental ingestion or inhalation of contaminated soil/dust from disturbed soils,
- Leaching of PFAS from contaminated soils or concrete/bitumen surfaces followed by migration through porous media into groundwater,
- PFAS impacted surface/stormwater discharge from the site into nearby surface water bodies resulting in ecological exposure,
- PFAS impacted surface/stormwater discharge from the site into nearby surface water bodies and exposure to humans via ingestion through recreational activities or consumption of PFAS contaminated biota

Recommendations

GHD recommends that a SAQP be prepared to undertake further intrusive investigations to determine the nature and extent of identified PFAS impacts in on-site and off-site areas associated with historical activities at the site and to identify and assess any potential risks to human health and the environment in the context of relevant current and potential future land uses.

Table of Abbreviations

Abbreviation	Full form
AFAC	Australasian Fire and Emergency Service Authorities Council
AFFF	Aqueous Film-Forming Foam
AHD	Australian Height Datum
ASC NEPM	<i>National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended 2013</i>
CoPC	Chemicals of Potential Concern
PCSM	Preliminary Conceptual Site Model
FTS	Fluorotelomers
GAR	South Australian <i>Guidelines for the Assessment and Remediation of Site Contamination 2019</i>
GHD	GHD Pty Ltd
HEPA	Heads of Environment Protection Authorities Australia
m BGL	Metres Below Ground Level
MFS	South Australian Metropolitan Fire Service
mg/L	Milligrams/Litre
NEMP	PFAS National Environmental Management Plan Version 2.0 - January 2020
NEPC	National Environmental Protection Council
NHMRC	National Health and Medical Research Council
PFAS	Per- and Poly-Fluoroalkyl Substances
PFHxS	Perfluorohexane Sulfonate
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonate
PSI	Preliminary Site Investigation
SA EPA	South Australian Environment Protection Authority
SAQP	Sampling and Analysis Quality Plan
SPR	Source-Pathway-Receptor
SWL	Standing Water Level
TDS	Total Dissolved Solids
WQEPP	South Australian <i>Environmental Protection (Water Quality) Policy 2015</i>

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1. Introduction

GHD Pty Ltd (GHD) was engaged by the South Australian (SA) Metropolitan Fire Service (MFS) to prepare this Preliminary Site Investigation (PSI) for the Port Augusta Fire Station, located at 1 Trent Rd, Port Augusta, South Australia 5700 (the site). The site location is shown in Figure 1.

This PSI is limited to potential impacts from the historic use of firefighting foam containing per- and poly-fluoroalkyl substances (PFAS). Other potential contaminating activities and related contaminants of concern are not included in this assessment. The purpose of the PSI is to address the action required in the SA Environment Protection Authority (EPA) letter EPA GENI 62917. The letter states the need to develop a plan of proposed works to address high risk MFS sites, of which Port Augusta MFS station is included. The SA EPA letter can be found in Appendix A.

1.1 Background

The Port Augusta Fire Station has been in operation since 1978 and is currently a retained station with approximately 15 part-time staff.

Historically, the MFS have used aqueous film-forming foams (AFFF) containing PFAS at the site during training activities. However, it is understood that the MFS commenced phasing out the use of firefighting foams containing perfluorooctane sulfonate (PFOS) in 2007 and perfluorooctanoic acid (PFOA) in 2014 after conducting consultation and liaison with the Australasian Fire and Emergency Service Authorities Council (AFAC) and the SA EPA. The MFS replaced all firefighting foam in 2016 to ensure that only fluorine-free foam was in use. Currently, state-wide, all MFS appliances carry firefighting foams that do not contain PFOS or PFOA and are fluorine-free. During 2017/2018, the MFS removed all fire extinguishers containing PFAS. Currently, state-wide, all MFS appliances carry firefighting foams that do not contain PFOS or PFOA and are fluorine-free.

In 2022, GHD undertook a site history review of 17 MFS sites (GHD 2022), and inspections of eight metropolitan sites to support environmental risk profiling using a multi-criteria analysis approach. The work was required to address the potential risks associated with former use of AFFF containing PFAS. The sites were prioritised to assist with the implementation of appropriate assessment and management measures to address the potential PFAS risks. The GHD 2022 Report was provided to the SA EPA, who subsequently issued a letter dated 1 February 2023 (EPA GENI 62917) with the requirement of “a plan of proposed works and associated timelines to address the highest risk sites” (refer Appendix A). The Port Augusta MFS fire station was identified as one of the eight high priority sites.

To assist the MFS in meeting the requirements of the SA EPA, GHD proposed the preparation of a PSI for the high-risk MFS fire stations to assist in the future development of a Sampling and Analysis Quality Plan (SAQP) and further detailed investigations at the site.

1.2 Objectives

The objectives of this PSI are in accordance with the appropriate guidance and legislation as outlined in Section 1.3 and include the following:

- Determine the potential presence of PFAS impacts associated with historical use of firefighting foam at the site
- Identify potential sensitive receptors that may be at risk due to PFAS contamination at the site, in the context of the site’s continued commercial/industrial use and the relevant adjacent land uses and environments

1.3 Methodology

The PSI methodology was in general accordance with the following industry guidelines:

- South Australian Environment Protection Act 1993 (Gov SA 1993) and associated regulations,
- National Environmental Protection (Assessment of Site Contamination) Measure 1999 (as amended May 2013) (ASC NEPM),
- South Australian Environment Protection Authority (2019), Guidelines on the assessment and remediation of site contamination (GAR),
- Heads of Environment Protection Authorities (HEPA), 2020. PFAS National Environmental Management Plan (Version 2.0), Heads of Environment Protection Authorities Australia and New Zealand, January 2020 (PFAS NEMP)

1.4 Previous investigations

Previous PFAS investigations at the Port Augusta Fire Station have been carried out by GHD in 2019 and 2022. Documentation of these investigations can be found in the following reports:

- GHD (2019) *MFS State-wide Appliance and Station Sampling*, Report for South Australian Metropolitan Fire Service, May 2019
- GHD (2022) *MFS 17 Fire Stations PFAS Risk Profiling*, Report for South Australian Metropolitan Fire Service, October 2022

Locations sampled at the Port Augusta Fire Station as part of these investigations are presented in Figure 2.

1.4.1 GHD (2019) MFS State-wide Appliance and Station Sampling

GHD (2019) reported that the Port Augusta Fire Station was part of the 2019 environmental investigations carried out at 35 fire stations across South Australia to assess PFAS concentrations that may remain in firefighting appliances, accessible soil and any biota (fruit, vegetables, herbs and poultry) if present.

It is noted that the 2018 PFAS NEMP guidelines were used in this report, which were superseded by the 2020 PFAS NEMP 2.0. The outcomes of the sampling program were as follows:

- Two surface soil samples (Port Augusta_1 and Port Augusta_2) were collected from the western and south-western corners of the site (respectively). Both samples exceeded the PFAS NEMP Ecological indirect exposure criteria for PFOS, however fell below the HIL B residential minimal soil accessibility criteria

1.4.2 GHD (2022) MFS 17 Fire Stations PFAS Risk Profiling

The Port Augusta fire station was part of a 2022 desktop risk assessment and multi-criteria analysis (MCA) carried out at 17 MFS fire stations across South Australia to support appropriate risk management approaches associated with potential or identified PFAS contamination. The 17 sites required for prioritisation, including Port Augusta, were identified by the SA EPA in the letter GENI 62485 dated 21 October 2021.

The report presented the methodology and findings of the PFAS risk profiling for the 17 MFS fire stations with identified PFAS impacts in soil. The desktop review focused on identifying historical sources of PFAS contamination, potentially sensitive human or ecological receptors in the vicinity of the sites and the source-pathway-receptor linkages that may be present.

The report provided a summary of the sites' prioritisation for further assessment based on their potential to cause harm to the environment and/or human health. The Port Augusta MFS fire station was classified as high-risk with high priority for further investigation of PFAS contamination for the following reasons:

- High estimated on-site use of AFFF concentrate (approximately 2,040 L between 1982 and 2016) and bulk storage concentration (approximately 800 L),
- Historical on-site training on unsealed surfaces,
- Risk of infiltration of contamination to groundwater as approximately <50% of the site is sealed by hardstand,
- Possible nearby groundwater use for domestic purposes,
- Close proximity to marine surface water body (Harbor <500 m),
- Surrounding residential land use

It should be noted that the assumptions regarding the number of shifts at Port Augusta fire station in the GHD 2022 report was incorrect. This resulted in the calculated volume of AFFF concentrate used at the site to be approximately 8,000 L. As the station is retained with 15 part time staff the correct value has been calculated to be 2,040 L, as outlined above.

2. Scope of works

The scope of works for the PSI is summarised below:

- Desktop assessment of the site history and historical activities which may have contributed to PFAS contamination of the site and surrounds including a review of:
 - Past and current ownership and occupier details and certificates of title,
 - Past and current aerial photography,
 - State and local government records including SA EPA Public Register records,
- Review of available information regarding the local geology, hydrogeology and hydrology, including the state groundwater database and geological maps,
- Review of available soil, sediment, surface water and groundwater data from previous environmental investigations undertaken at the site and surrounding the site,
- Identification of sensitive land uses, groundwater bore usage and ecological receptors to determine potential beneficial uses of groundwater/surface water in the vicinity of the site,
- A site inspection and interviews with site personnel to confirm features documented in the desktop review and update the site history with respect to stormwater management, high-risk historical activities such as foam spill events, on-site storage of large quantities of PFAS containing foam and on-site or potential off-site fire-training activities and overspray,
- Development of a Preliminary Conceptual Site Model (PCSM), comprising an assessment of PFAS source areas, pathways, and receptors,
- Preparation of a PSI report

Some of the background information relating to environmental settings, historical ownership and land use of the site and surrounding properties was obtained via the following Lotsearch report included in Appendix B.

- Lotsearch (2022), 1 Trent Road, Port Augusta, SA 5700, Reference number LS040255 EP, prepared by Lotsearch Enviro Professional, 10 Feb 2023

3. Limitations

This report: has been prepared by GHD for South Australian Metropolitan Fire Service and may only be used and relied on by South Australian Metropolitan Fire Service for the purpose agreed between GHD and South Australian Metropolitan Fire Service as set out in section 1.2 of this report.

GHD otherwise disclaims responsibility to any person other than South Australian Metropolitan Fire Service arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

The opinions, conclusions and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the site may be different from the site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular site conditions, such as the location of buildings, services and vegetation. As a result, not all relevant site features and conditions may have been identified in this report. GHD has prepared this report on the basis of information provided by South Australian Metropolitan Fire Service and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

4. Site information

Unless otherwise stated the information within this PSI report was obtained from Lotsearch Report Reference Number LS035821 EP provided in Appendix B.

4.1 Site identification

Site information details are summarised in Table 4.1 below.

Table 4.1 Summary of General Site Identification Information

Item	Detail
Site Address:	1 Trent Road, Port Augusta, SA 5700
Certificate of Title:	CR5759/680
Legal Description:	Sections 1188 and 1189 hundred of Davenport in the area named Port Augusta
Local Government Authority:	Port Augusta City Council
Current Zoning:	Employment
Property Owner:	South Australian Metropolitan Fire Service
Current Site Use:	Operational Fire Station
Area:	2461 m ²
Site Elevation:	10 m AHD

Copies of the current certificate of title and excerpts from the South Australia Property and Planning Atlas (SAPPA 2023) including zoning information are provided in Appendix C. The site layout plan is shown in Figure 3.

It should be noted that the site was expanded to the south to encompass the southern unsealed gravel area circa 2008. Prior to this fire station activities were undertaken primarily on the northern portion of the site. A parcel of land in the southernmost corner of the site is owned by South Australia Water Assets (address 25 Stirling Road) which has been subject to recent earthworks. Prior to the earth works this parcel of land was included within the MFS fenced area.

4.2 Site drainage

The site was observed to be relatively flat, with minor sloping to the southwest towards Stirling Road. Approximately half of the site was unsealed open ground, with the south-western portion comprising unsealed gravel and open garden beds. The north-eastern portion of the site comprises concrete hardstand and houses the main vehicle bay and station building. The concrete was observed to be in fair to poor condition with cracks along some sections. Clear evidence of sediment erosion across the unsealed gravel area was noted during the site inspection. Narrow unsealed garden beds with a small number of trees and shrubs were observed along the northern site boundary, in front of the main building on Trent Road and in the eastern portion of the rear yard.

Significant rill erosion was visible on the unsealed portion of the rear yard, caused by downpour events, characteristic for Port Augusta. Erosion rills indicated flow direction towards Stirling Road.

Two stormwater drains were located in the centre of the rear yard along with a gutter running southwest directing water into the drains that discharge to Trent Road. Local stormwater is likely directed to the Carlton Parade storage ponds and ultimately discharged to the Gulf or adjacent the railway corridor.

No changes to stormwater management at the site over time were noted and stormwater was not harvested.

4.3 Site inspection and description

The Port Augusta Fire Station is located on the corner of Trent Road and Stirling Road, approximately 20 m from the intersection, with a small lot located on the corner of the site, that is excluded from the site. The site is a retained station. A site inspection was conducted by GHD field staff on 8 March 2023. Photographs from the site inspection are presented in Appendix D.

The site included the following buildings and features:

- One main one-storey building, located in the eastern portion of the site, which housed an engine bay for the two appliances as well administrative offices,
- A large, galvanised iron storage shed, located in the northern corner of the site used for storing chemicals, equipment, trailers and a small appliance. This shed historically stored AFFF with the last of the containers removed in 2022 (it is unclear if these containers were empty or still contained remnant AFFF). The condition of the concrete shed floor was good, indicating a relatively low risk of infiltration to the underlying ground,
- The site was fenced and not accessible to the public. Entrance points from the eastern boundary on Trent Road were through the administrative building and through a driveway into the rear yard,
- Groundwater was not used on-site, and no groundwater wells were observed,
- A parcel of land to the south of the site is owned by SA Water and houses a water valve associated with the southern region of Port Augusta,
- There were no odours or staining noted during the site inspection

4.4 Historical PFAS use

A questionnaire regarding the historical use of AFFF at the site was circulated to MFS staff. The survey was completed on 1 June 2022 by a Station Officer, who has been working at the site for the past 40 years. The completed survey can be found in Appendix E. Historical PFAS usage areas are outlined in Figure 3.

MFS staff identified that PFAS containing AFFF was first used at the site in 1982. The AFFF used at the site was branded '3M Light Water' or 'HiEx Foam'.

Historically, foam training exercises using AFFF were conducted two to three times per year. Foam training occurred mostly in the southern portion of the site, which is unsealed gravel. Prior to the expansion of the site circa 2008, training was also conducted on the concrete area in the northern portion of the site.

The volume of AFFF historically used per training exercise was estimated at 20 L, with a single 20 L drum being emptied per exercise. The AFFF was generally stored in the appliances however when refilling was required firefighters would carry a 20 L drum of AFFF concentrate from the storage area to the training area, where the AFFF was transferred from the drum to an appliance via pouring concentrate into appliance tank. Foam and wastewater from the training events was allowed to soak into the ground or discharged off-site via stormwater drains to Trent Road or overland flow to Stirling Road.

Historically, after incidents involving AFFF use, appliances were washed down in the rear yard, primarily on the concrete hardstand behind the main building. The wastewater from the washdown process was managed as stormwater and discharged off-site.

Earthworks associated with the SA Water land in the southern corner of the site were undertaken in mid to late 2022. This resulted in the stockpiling of soil in the southern portion of the MFS site which was flattened using Council equipment in March 2023. This may have affected the distribution of potentially PFAS impacted soil at the site.

4.5 Historical storage of PFAS

During the site inspection, anecdotal information indicated that 20 L AFFF containers were stored on-site up until 2022. It is unclear whether these were PFAS containing AFFF and when they were removed.

Historically, 30 x 20 L plastic drums with AFFF concentrate were stored for training purposes on-site, along with one 200 L drum and two appliance tanks.

These were stored in the storage shed in the north corner of the site. Used/empty AFFF drums were returned to Adelaide Station. The historical PFAS storage area is outlined in Figure 3.

4.6 Surrounding land use

The surrounding land use of the site is summarised in Table 4.2. Land uses and zoning are shown in Figure 4.

Table 4.2 Land Uses and Zoning

Orientation	Description of Land Use	Zoning (Municipal Council)	Zoning (SAPPA)
North	Residential properties are immediately north of site. The Fire Equipment Maintenance Group (a potential off-site PFAS source) and Wellingtons (Commercial) are further north, before Victoria Parade. Approximately 200 m to the northwest is the Youth Centre which is listed as a public institution.	Residential	Public Institution/Residential
East	East of the site is mainly residential properties with a few commercial properties found further east.	Commercial	Residential/Vacant Residential
South	Stirling Road is located immediately south of the site with a number of commercial businesses located on the opposite side. Among these are NDIS, Uniting Care and Port Augusta Collision Repair. Further south is the railway and Railway Parade.	Commercial	Commercial
West	Immediately west of site is the Port Augusta City Council Depot, with the Pastoral Hotel located just beyond that. Further west is a mix with residential areas, utilities, education and further public institution.	Public Institution	Public Institution/Commercial

5. Environmental setting

5.1 Topography and hydrology

The topography of the site falls from north to south with the southern boundary, along Stirling Road, being the lowest point. The northern corner has an elevation of approximately 10 m AHD and southern corner an elevation of approximately 7 m AHD. The surrounding region is relatively flat and lies between the Spencer Gulf to the west and Ikara-Flinders Ranges to the east.

Approximately half of the site is comprised of sealed surfaces (buildings, concrete hardstand, bitumen, etc.) with the majority of stormwater discharging to off-site underground stormwater drains via stormwater drainage pipes throughout the site. Stormwater drains are located on the eastern site boundary along Trent Road (Gov SA 2022).

5.2 Surface water

The nearest natural surface water body is the Spencer Gulf, located 0.5 km southwest of the site. The Spencer Gulf flows south into the Southern and Pacific oceans (Gov SA 2022).

5.3 Geology and soils

A search of the South Australian Resources Information Gateway (SARIG) database indicated that the main stratigraphic unit at the site is made up of Pleistocene – Holocene age Quaternary aeolian sediments, described as aeolian sand of inland dune fields, including the Simpson sand, Coonarbine formation Wintrena formation and Woorinen formation; includes associated alluvial and regolith materials in interdunal areas. Although the soil around the site has not been mapped, the area approximately 300 m from the site has, with the soil being made up of Calcarosols and Rudosols (Appendix B).

5.4 Hydrogeology

A search on location SA map viewer reported that the aquifers found beneath the site are part of the Torrens Basin which features a shallow sedimentary groundwater basin. This aquifer consists of sedimentary rocks, with the basins specifically including limestone, often with cavernous sandstone, sand shale and clay (Gov SA 2022).

A search of the South Australian Resources Information Gateway (SARIG) database reported shallow groundwater in the vicinity of the site with standing water levels (SWL) of 2-5 m BGL within the Holocene age Quaternary aeolian sediments, producing yields in the range of 0.5-2.5 L/second (SARIG 2023).

The Lotsearch report (Appendix B) included a search of the South Australian WaterConnect database (DEW 2023) for registered groundwater wells located within a 2.0 km radius of the site. The results are summarised as follows:

- There were 281 registered wells within a 2.0 km radius,
- Of these registered wells, six were listed as operational, 21 were listed as abandoned, 115 as backfilled, seven as dry, two were listed as not located, 13 as having an unknown status and no status was listed for 119 wells,
- Of the six registered operational wells, four were listed as explorative observational, 1 as observational and one as dewatering,

- Of the 132 wells with unknown or no registered status, 65 were for investigation purposes, three were for foundation purposes, 34 for monitoring, 10 for environmental purposes, 10 were for drainage purposes, two for observation and 18 had no purpose listed,
- There were no wells located on-site

TDS data was available for 9 wells within the 2.0 km radius from the site and ranged from 8,402 mg/L to 45,430 mg/L. One well (unit number 6432-547), located on a salt pan approximately 1.9 km south of the site, reported TDS to be 105,684 mg/L. Due to its location on a salt pan, it was deemed to not be representative of the site and subsequently excluded from this evaluation.

Three wells within 0.7 km of the site had TDS data less than 30 years old, ranging between 16,359 mg/L to 29,742 mg/L indicating highly saline water (>16,000 mg/L). These values were deemed to be more representative of groundwater at the site.

5.5 Determination of environmental values

To assess the contamination status of groundwater at a site, the SA EPA provides a four-step process to determine the environmental values of groundwater and to determine if actual or potential harm to groundwater that is not trivial has occurred. The four-step process described in the GAR (SA EPA 2019) is described in Table 5.1.

Table 5.1 Four Step Process for Determining Harm to Groundwater

Process	Assessment
1. Apply Table 3 of Schedule 1 of the 2015 Water Quality Environment Protection Policy (WQEPP, Gov SA 2015) based on TDS ranges. Groundwater well data was filtered so only recent data (<30 years old) from within the same aquifer was used.	The Lotsearch report listed 281 registered bores located within a 2.0 km radius of the site. Three wells within 0.7 km of the site had TDS data less than 30 years old, ranging between 16,359 mg/L to 29,742 mg/L indicating highly saline water (10,000 mg/L - 35,000 mg/L).
2. Assess and identify surface water bodies within a 2.0 km buffer of the site.	The closest surface water receptor is the Spencer Gulf, located 0.5 km southwest.
3. Review registered groundwater users in the WaterConnect database.	A review of the WaterConnect database provided in the Lotsearch report (Appendix B) identified a total of 281 registered bores within a 2.0 km radius of the site. The identified uses of the bores with operational or unknown status were investigation (65), dewatering (1), observation (7), monitoring (34), drainage (10), environmental (10) and foundations (3).
4. Application of the SA EPA recognised criteria for the most sensitive environmental value.	The most sensitive ecological environmental values to be applied to the site are PFAS NEMP 2.0 2020, Interim marine - 99% guideline.

Groundwater at the site was deemed to have no environmental value for extraction and use due to high salinity. However, due to the site's proximity to the Harbor of Port Augusta, it was deemed to have aquatic ecosystem, recreation, and aesthetic values.

6. Site history searches

6.1 Historical ownership summary

Information regarding the historical ownership of the MFS site was obtained from historical crown records (CRs) through the South Australian Integrated Land Information System (SAILIS). Copies of the current CR and historical CRs are provided in Appendix C.

Relevant details are listed in Table 6.1 below.

Table 6.1 Summary of Historical Certificates of Title

CR	Date	Details
5759/680	19/04/2000 to Current	Title issued to South Australian Metropolitan Fire Service, section 1188 and 1189 hundred of Davenport in the area named Port Augusta

6.2 Historical aerial photographs

Historical aerial photos are presented in the Lotsearch report in Appendix B. A review of the aerial images is provided in Table 6.2.

Table 6.2 Summary of Historical Aerial Images

Year	Description
1950	The site already has a number of small established structures, with the surrounding area also containing a number of small dwellings with minimal vegetation. The road immediately east of site (present-day Trent Road) appears to be a sealed dirt road. To the west the Pastoral Hotel has already been established, the train line in the south along with several buildings that are currently commercial properties are present. The Youth Centre appears to be constructed although its use is unclear.
1963	There appears to be several more small structures located on the site. The lot to the east has a house present and a large asphalt area appears to have been constructed to the south. There is a yard to the west that has numerous cars parked at irregular angles possibly indicating a wreckers or mechanic.
1969	The number of structures on the site has decreased. The fence on the adjacent property to the west has been erected to form what is now the council depot. No other significant changes from 1963
1978	The fire station has been constructed with the surrounding area appearing very similar to how it does presently. To the west several buildings have been constructed to form the present council depot layout. To the east the residential properties have all been constructed and appear very similar to present. Victoria Parade and Carlton Parade intersection north of the side has been upgraded to a roundabout.
1989	On-site a small auxiliary structure has been constructed in the northern corner, well as one to the west. Three large warehouses are present to the south of the site. Victoria Parade to the north is now a dual carriage way with the roundabout being replaced with an intersection and stoplights.
1998	The structure in the western corner of the site is no longer there. The car dealership has been replaced by the presently existing motel accommodation for the pastoral hotel. No other significant changes since 1989
2004	Motel accommodation has been upgraded to the west and upgrades to the train line to the southwest have occurred. No other significant changes since 1998.
2009	Building to the southeast of site demolished and residential property built to the north approximately 50 m from the site.
2015	No significant changes since 2009.
2022	Several residential properties to the east of the site are now vacant lots. No other significant change since 2015

6.3 SA EPA public register

The SA EPA maintains a public register under the Environment Protection Act 1993 to make information available for the public to inspect. Information available on the register includes environmental authorisations and applications, environmental protection and clean up orders and the site contamination index which includes Section 83A Notifications, Audit Notification, Audit Termination and Audit Report since 1 July 2009.

Results from the SA EPA Public Register and Site Contamination index search provided by Lotsearch (Appendix B) are summarised in Table 6.3 below.

Table 6.3 Summary of SA EPA Public Register Search

Notification No	Type	Address	Activity	Status	Location Confidence	Distance (m)	Direction
62642	109 Notification	1 Trent Road PORT AUGUSTA SA 5710	Fire stations; Fire training areas	Current EPA List	Premise Match	0	On-site
12283	S83 Notification	Railway Terrace and Budd Siding PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	60	West
60067 - 01	S83A Notification	44 Stirling Road PORT AUGUSTA SA 5700	Service stations	Current EPA List	Premise Match	89	Southeast
10715	Pre 1 July 2009 Audit Notification	Port Augusta Foreshore Area PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	337	Southwest
10715 - 001	Pre 1 July 2009 Audit Report	Port Augusta Foreshore Area PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	337	Southwest
10715 - 002	Pre 1 July 2009 Audit Report	Port Augusta Foreshore Area PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	337	Southwest
10715 - 003	Pre 1 July 2009 Audit Report	Port Augusta Foreshore Area PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	337	Southwest
10119	S83 Notification	Victoria Parade PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	746	East
11472	Pre 1 July 2009 Audit Notification	Victoria Parade PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	746	East

Notification No	Type	Address	Activity	Status	Location Confidence	Distance (m)	Direction
11472	Pre 1 July 2009 Audit Termination	Victoria Parade PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	746	East
13179	Pre 1 July 2009 Audit Notification	Victoria Parade PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	746	East
13179	Pre 1 July 2009 Audit Termination	Victoria Parade PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	746	East
61537	Audit Notification	63 Victoria Parade PORT AUGUSTA SA 5710	Service stations	Current EPA List	Premise Match	746	East
61537	Audit Termination	63 Victoria Parade PORT AUGUSTA SA 5710	Not recorded	Current EPA List	Premise Match	746	East
61567 - 01	S83A Notification	63 Victoria Parade PORT AUGUSTA SA 5700	Service stations	Current EPA List	Premise Match	746	East
61609	Audit Notification	63 Victoria Parade PORT AUGUSTA SA 5710	Service stations	Current EPA List	Premise Match	746	East
12170	S83 Notification	Jervois Street PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	860	Northwest
17695	109 Notification	23 Mackay Street PORT AUGUSTA SA 5700	Listed Substances (storage)	Current EPA List	Premise Match	974	Northwest
61260	Liability Transfer	21-23 Mackay Street PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	975	Northwest
61781	Audit Notification	21-23 Mackay Street PORT AUGUSTA SA 5710	Not recorded	Current EPA List	Premise Match	975	Northwest
61781 - 001	Audit Report	21-23 Mackay Street PORT AUGUSTA SA 5710	Transport depots or loading sites	Current EPA List	Premise Match	975	Northwest
61999	Voluntary Proposal	21-23 Mackay Street PORT AUGUSTA SA 5710	Transport depots or loading sites	Current EPA List	Premise Match	975	Northwest

6.4 SA EPA section 7 search

GHD contacted the SA EPA in order to obtain an EPA Statement to Form 1 – Contracts for Sale of Land or Business for CT Volume 5759 Folio 680. Particulars of mortgages, charges and prescribed encumbrances affecting the land, and environmental protection are summarised below.

Regarding the site (CR 5759/680) the EPA had no records of issues associated with the particulars of mortgages, charges or prescribed encumbrances affecting the land.

There were the following particulars relating to environment protection:

- 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 Environment Protection Act 1993),
- Details of site contamination notified to the EPA under section 83A of the Environment Protection Act 1993,
- A copy of a report of an environmental assessment (whether prepared by the EPA or some other person or body and whether required under legislation) that forms part of the information required to be recorded in the public register

The EPA Statement to Form 1 – Contracts for Sale of Land or Business is presented in Appendix F.

6.5 Review of council records

Council records were not available for review at the time of preparation of this report, however a review of the available site history, including aerial photographs has not identified any significant unknown land uses in the vicinity of the site. The lack of council records is not considered likely to change the outcome of the preliminary site investigation.

7. Potentially contaminating activities

The following potentially contaminating activities (PCAs) in Table 7.1, with respect to PFAS, have been identified as potentially occurring at or in the vicinity of the site.

Table 7.1 Potentially Contaminating Activities

Activity	On-site or Off-site	Rationale/Details	Likely Significance
Historical storage and use (training) of PFAS-containing firefighting foams	On-site and off-site	PFAS-containing firefighting foams were historically stored and used on-site in training exercises. This PCA at the site may have impacted concrete slabs, soil and groundwater.	High significance Contamination associated with this PCA may have a significant impact on concrete and soil at the site which could potentially impact soil and groundwater on- and off-site. Additionally on-site and off-site vegetation may be impacted by this PCA.
Washdown of equipment, trucks and appliances and drainage to stormwater	On-site and off-site	After exercises and/or incidents involving AFFF use, appliances, equipment and tanks were washed down in the southern unsealed portion of the site. Wash down water was directed towards the southern boundary or managed as stormwater and discharged off-site. Foam and wastewater from the training events was allowed to soak into the ground or discharged off-site into the public stormwater system.	High significance Contamination associated with this PCA may have a significant impact to on- and off-site soil, concrete and surface water receptors and has contributed to off-site migration of PFAS compounds. Groundwater may also be impacted given the soaking of wastewater through the soil.
Earthworks undertaken by SA Water	On-site and off-site	There is a possibility that the earthworks undertaken have moved and blended PFAS impacted soils with potentially unimpacted material.	Moderate significance As the movement of soils was located to the southern corner of the site it is possible that the impacted soil may be contained to a smaller footprint.

8. Preliminary conceptual site model (PCSM)

A PCSM is a qualitative analysis tool which identifies the contamination sources, transport mechanisms, exposure pathways and receptors considered in a site-specific risk assessment.

For an identifiable risk to exist, an exposure pathway must be present which requires each of the following to be identified:

- Presence of substances that may cause harm (SOURCE),
- Presence of a receptor which may be harmed (RECEPTOR),
- Existence of a means of exposing a receptor to the source (EXPOSURE ROUTE/EXPOSURE PATHWAY)

A PCSM has been developed based on GHD's understanding of the site setting, including geology, hydrogeology and surrounding land use in order to identify potentially significant source-pathway-receptor (SPR) linkages in respect to the potential risks that may be encountered during excavation and construction activities.

8.1 Chemicals of potential concern

The PSI is limited to PFAS, which are the primary chemicals of potential concern (CoPC) for this site.

Scientists have identified thousands of individual PFAS compounds, but commercial laboratories only typically analyse a limited selection of these. The standard analytical suite focuses on the 28 individual PFAS that generally account for the majority of the PFAS mass in environmental samples and that are understood to be the most persistent, bioaccumulative and toxic.

The groups of PFAS included in the standard analytical suite include:

- Perfluoroalkyl sulfonates (PFSA), of which PFOS and PFHxS are the most well-studied,
- Perfluoroalkyl carboxylates (PFCA), of which PFOA is the most well-studied,
- Fluorotelomers, including 8:2 FTS and 6:2 FTS,
- Perfluoroalkyl sulfonamides

8.2 Sources of PFAS contamination

Based on the site history investigation, the primary source of PFAS contamination at the site is the historical use of PFAS containing firefighting foams for firefighting training activities.

The following known and potential sources of PFAS were identified on site:

- Historical use of PFAS containing AFFF on the training area across the site (both sealed and unsealed areas),
- Post-incident washdown of vehicles and appliances on sealed concrete apron,
- Historical, on-site storage of PFAS-containing AFFF in drums within the storage shed,
- Ongoing leaching of PFAS from impacted surfaces (concrete slabs and bitumen) associated with fire training and wash down activities,
- Ongoing leaching of PFAS from impacted soils beneath the open areas historically used for training activities or the post-incident washing down of appliances

8.3 Exposure pathways

For an exposure to occur, a complete pathway must exist between a source of contamination and a receptor. Where the exposure pathway is incomplete, there is no exposure, and hence no risk. The following exposure pathways need to be considered:

- Consumption of contaminated groundwater,
- Consumption of contaminated edible vegetation (off-site),
- Direct dermal contact or incidental ingestion of contaminated soil, groundwater or surface runoff from impacted surfaces (concrete slabs),
- Inhalation or ingestion of contaminated soil or dust,
- Surface runoff and groundwater transporting the contaminants off-site to the downstream and down-gradient areas

8.4 Receptors

The potential receptors relevant to the site are:

- On-site staff and visitors,
- Subsurface construction workers and maintenance workers (on-site and down-gradient off-site) who come into contact with contaminated soil and/or groundwater,
- People using groundwater for domestic and drinking purposes down-gradient of the site,
- People using groundwater for irrigation of edible vegetation with which they grow produce for consumption (off-site),
- People growing edible vegetation in open soil which may interact with off-site groundwater,
- People using off-site groundwater for recreational purposes, such as the filling of swimming pool, and incidental ingestion,
- Off-site surface water bodies (ecosystems and recreational use) where stormwater systems and/or groundwater discharge, such as the Spencer Gulf

8.5 Potentially complete exposure pathways

Potential SPR linkages based on the PCSM are summarised in Table 8.1.

Table 8.1 Preliminary Conceptual Site Model

Potential source	Receptor	Pathway	Pathway present?
On-site PFAS impacted soils	Site users, visitors, maintenance and construction workers	Direct dermal contact with contaminated soil	Possible Limited soil sampling undertaken by GHD (2019) were below the adopted Tier 1 HIL B for residential minimal soil access opportunities land use. It is considered unlikely that site users, visitors, maintenance or construction workers would be exposed to PFAS quantities detrimental to their health. However, the extent of PFAS impacts in soils across the site has not been determined yet.
		Incidental ingestion of contaminated soil	
		Inhalation of contaminated soil or dust from disturbed soils	
	Ecosystem at, and immediately surrounding, the site	Direct contact with contaminated soil	Possible PFAS concentrations detected to date in soil on-site exceeded the adopted Tier 1 interim ecological criteria for indirect exposure. The unsealed southern portion of the site is accessible to flora and fauna.
		Ingestion of contaminated soil	
Bioaccumulation through indirect contact			
People growing edible vegetation in impacted soil	Consumption of PFAS impacted edible vegetation	No MFS have removed all edible vegetation and biota from stations therefore there is no pathway.	
Groundwater beneath the site	Rainwater/surface runoff leaching impacted soil followed by migration through porous media into groundwater	Possible On-site soil impacts have been identified; however, the extent has not been determined yet. The potential of PFAS leaching from contaminated soil into the groundwater has not been tested yet.	
On-site PFAS impacted concrete and bitumen surfaces	Site users, visitors, maintenance and construction workers	Direct dermal contact with contaminated concrete or bitumen	Unlikely Concrete surfaces on-site that have historically been exposed to PFAS containing AFFF during training activities have not been tested for PFAS yet. It is considered unlikely that site users, visitors, maintenance or construction workers would be exposed to PFAS quantities detrimental to their health.
		Inhalation of contaminated dust	
	Groundwater beneath the site	Rainwater/surface runoff leaching impacted soil followed by migration through porous media into groundwater	Possible Concrete surfaces on-site that have historically been exposed to PFAS containing AFFF during training activities have not been tested for PFAS yet. The potential of PFAS leaching from contaminated concrete on-site into the groundwater has not been tested yet.

Potential source	Receptor	Pathway	Pathway present?
Off-site PFAS impacted soils	Off-site users of the area inclusive of maintenance and subsurface construction workers	Direct dermal contact with contaminated soil	<p>Possible</p> <p>PFAS concentrations detected to date in on-site soil samples were below the adopted Tier 1 HIL B for residential minimal soil accessible land use. However, the extent of PFAS impacts in soils on-site and off-site has not been determined yet and potentially more stringent land uses may apply in off-site areas (HIL A).</p> <p>As the land occupied by SA Water Assets has potentially experienced PFAS impacts it should be assessed as part of future investigations.</p>
		Incidental ingestion of contaminated soil	
		Inhalation of contaminated soil or dust from disturbed soils	
		Direct contact with contaminated soil	<p>Possible</p> <p>PFAS concentrations detected to date in soil on-site (GHD 2018) exceeded the adopted Tier 1 interim ecological criteria for indirect exposure, with this in mind the use of PFAS substances may have extended beyond the site boundaries.</p>
		Ingestion of contaminated soil	
		Bioaccumulation through indirect contact	
	Ecosystem surrounding the site	Direct contact with contaminated soil	<p>Possible</p> <p>PFAS concentrations detected to date in soil on-site exceeded the adopted Tier 1 interim ecological criteria for indirect exposure.</p>
		Ingestion of contaminated soil	
		Bioaccumulation through indirect contact	
Groundwater beneath impacted soil	Rainwater/surface runoff leaching impacted soil followed by migration through porous media into groundwater	<p>Possible</p> <p>The potential of PFAS leaching from contaminated soil into the groundwater has not been tested yet. However, given the storage and use of AFFF during training activities at the site and the presence of soil impacts this is considered possible.</p>	
PFAS-impacted groundwater	People using groundwater for: domestic and drinking purposes	Consumption of contaminated groundwater	<p>No</p> <p>The presence of PFAS impacts in groundwater has not been confirmed. Within a 2.0 km radius of the site no registered wells had TDS values in groundwater below 1,200 mg/L, which is considered suitable for domestic and primary irrigation purposes (Gov SA 2015). Therefore, potable use of groundwater is precluded.</p>
	People using groundwater for irrigation of edible vegetation with which they grow produce for consumption	Consumption of edible vegetation irrigated by contaminated groundwater	<p>Highly unlikely</p> <p>The presence of PFAS impacts in groundwater has not been confirmed. Background TDS values in groundwater was estimated to be 35,000 mg/L and is not considered suitable for the environmental values as outlined in Table 3 of Schedule 1 of the Environment Protection Policy (Gov SA 2015). Of the 9 wells with registered TDS values only 2 had TDS lower than 13,000 mg/L indicating saline water which is not suitable for irrigation.</p>

Potential source	Receptor	Pathway	Pathway present?
	People growing edible vegetation in open soil which may interact with groundwater	Consumption of PFAS impacted edible vegetation	<p>On-site: No MFS have removed all edible vegetation and biota from stations therefore there is no pathway.</p> <p>Off-site: Possible The extent of PFAS in groundwater down hydraulic gradient of the site has not been delineated and residential properties with gardens where edible vegetation could be grown are present within 2.0 km of the site.</p>
	People using groundwater for recreational purposes such as filling of swimming pools	Incidental ingestion of contaminated groundwater	<p>Unlikely The presence of PFAS impacts in groundwater has not been confirmed. There are no wells registered for recreational use, however there are pools visible south to the site. Recreation use of groundwater cannot be precluded but is considered unlikely due to salinity levels.</p>
	Down gradient off-site maintenance and sub-surface construction workers that contact PFAS contaminated groundwater	Direct dermal contact or incidental ingestion of contaminated groundwater	<p>Unlikely The presence of PFAS impacts in groundwater has not been confirmed. Whilst it is possible that off-site maintenance or sub-surface construction workers could incidentally ingest contaminated groundwater, it is unlikely that they will ingest quantities detrimental to their health.</p>
	Livestock watering, aquaculture or human consumption of aquatic foods	Abstraction of groundwater	<p>Unlikely The presence of PFAS impacts in groundwater has not been confirmed. No registered agricultural wells or activities in close proximity to the site however it cannot be ruled out at this stage.</p>
	Migration of PFAS contaminated groundwater to downgradient marine receptors	Incidental ingestion of contaminated	<p>Possible The presence of PFAS impacts in groundwater has not been confirmed. Given the high yield of groundwater in the proximity of the site, the possibility of PFAS to migrate into the marine environment where it could be ingested directly through swimming or through consumption of aquatic biota.</p>

Potential source	Receptor	Pathway	Pathway present?
PFAS impacted surface waters (off-site)	People using surface waters for recreational activities (swimming)	Incidental ingestion of contaminated groundwater	Unlikely The potential for PFAS impacts in surface water down gradient of the site has not been determined however it is considered unlikely that it would be present in concentrations that may present a risk due to dilution.
	People Fishing from surface waters	Consumption of PFAS contaminated biota	Possible The potential for PFAS impacts in surface water down gradient of the site has not been determined however it is considered possible that bioaccumulation of PFAS in fish and other marine animals and subsequent consumption may present a human health risk.
	Marine ecosystems downstream from the site	Discharge of PFAS impacted surface water into the marine environment	Possible The potential for PFAS impacts in surface water down gradient of the site has not been determined however it is considered possible given the training using AFFF that was undertaken at the site and surface water runoff being discharged to Spencer Gulf.

8.6 PCSM data gaps

Based upon the results of this PSI and the PCSM the following data gaps have been identified:

- The lateral and vertical extent of PFAS contamination in soil across the site has not been delineated,
- The existence of PFAS contamination in groundwater has not been determined,
- The existence of PFAS contamination in off-site surface water bodies has not been determined,
- The potential for PFAS to leach from contaminated on-site soil into the groundwater has not been tested,
- The existence of PFAS contamination in on-site concrete and paved surfaces and the associated PFAS flux from these materials has not been assessed

9. Conclusions

GHD was engaged by the MFS to undertake a desktop preliminary site investigation for the fire station located at 1 Trent Road, Port Augusta, SA 5700.

The objective of the PSI was to assess the current and historical activities at the site and surrounding properties that may have involved the use of PFAS containing foam, thus contributing to PFAS contamination that may pose a risk to human health or the environment.

The results of this desktop investigation provided information for the development of a PCSM and to inform the preparation of an SAQP for further assessments.

The site history review identified the following potential contamination sources:

- Anecdotal evidence information confirmed the use of PFAS containing AFFF at the site since 1984,
- Training and washdown of PFAS containing AFFF on sealed and unsealed areas of the site,
- Storage of AFFF on site in numerous 20 L plastic drums, a 200 L plastic drum and various appliances,
- Minimal soil sampling has been undertaken on-site with samples reporting results below the adopted HIL B assessment criteria, however they exceeded the ecological indirect exposure guidelines,
- While soil on-site has confirmed the presence of PFAS, the extent of PFAS in soil and groundwater on-site and off-site has not yet been determined

The PCSM identified the following potentially complete PFAS exposure pathways:

- Exposure of site users, visitors, maintenance and construction workers to PFAS via direct dermal contact, incidental ingestion or inhalation of contaminated soil/dust from disturbed soils,
- Leaching of PFAS from contaminated soils or concrete/bitumen surfaces followed by migration through porous media into groundwater,
- PFAS impacted surface/stormwater discharge from the site into nearby surface water bodies resulting in ecological exposure,
- PFAS impacted surface/stormwater discharge from the site into nearby surface water bodies and exposure to humans via ingestion through recreational activities or consumption of PFAS contaminated biota

Recommendations

GHD recommends that a SAQP be prepared to undertake further intrusive investigations to determine the nature and extent of identified PFAS impacts in on-site and off-site areas associated with historical activities at the site, and to identify and assess any potential risks to human health and the environment in the context of relevant current and potential future land uses.

10. References

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SARIG 2023, South Australian Resources Information Gateway, accessed February 2023 via <https://map.sarig.sa.gov.au/>.

Figures

- Figure 1* *Site Location Plan*
- Figure 2* *Historical Sampling Locations*
- Figure 3* *Site Layout Plan*
- Figure 4* *Surrounding Land Use and Zoning*



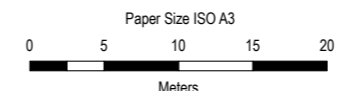
Legend

- Roads
- ▭ Site Boundary
- ▭ Cadastre

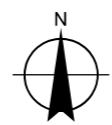


Data Disclaimer

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Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 54



South Australian Metropolitan Fire Service
 PSI/SAQP for MFS High Risk Sites

Project No. 12602101
 Revision No. A
 Date 22/08/2023

Port Augusta Site Layout Plan

FIGURE 1

G:\331\2602101\GIS\Maps\Deliverables\12602101_PortAugustaSiteLocationPlan.aprx
 Print date: 22 Aug 2023 - 11:33
 Data source: GHD: Site Boundary (2022); DPTI: Cadastre, Roads (2015); MetroMap: Imagery (Imagery Date: 18/12/2022; Date Extracted: 02/03/2023); Created by: ejuan

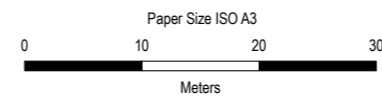


Legend

- Soil Sampling Locations
- Roads
- Site Boundary
- ▭ Cadastre

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 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 54



South Australian Metropolitan Fire Service
 PSI/SAQP for MFS High Risk Sites

**Port Augusta Historical
 Sampling Locations Plan**

Project No. 12602101
 Revision No. B
 Date 22/08/2023

FIGURE 2

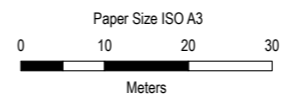


Legend

- Roads
- Historical Training Area
- Washdown Area
- Former PFAS Storage
- Storm Water Egress
- Stormwater Drains
- Site Boundary
- Cadastre

Data Disclaimer

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Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 54



**South Australian Metropolitan Fire Service
 PSI/SAQP for MFS High Risk Sites**

Project No. 12602101
 Revision No. C
 Date 22/08/2023

Port Augusta Site Layout Plan

FIGURE 3



Legend

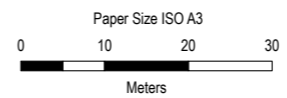
- Roads
- Railways
- Site Boundary
- Cadastre

Land Use

- Commercial
- Education
- Nonprivate Residential
- Public Institution
- Recreation
- Reserve
- Residential
- Retail Commercial
- Utility Industry
- Vacant
- Vacant Residential

Data Disclaimer

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Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 54



South Australian Metropolitan Fire Service
 PSI/SAQP for MFS High Risk Sites

Project No. 12602101
 Revision No. B
 Date 22/08/2023

**Port Augusta
 Surrounding Land Use Plan**

FIGURE 4

Appendices

Appendix A

SA EPA Correspondence

OFFICIAL



Environment Protection Authority

GPO Box 2607 Adelaide SA 5001

T (08) 8204 2004

Country areas 1800 623 445

EPA GENI 62917

Krystle Mitchell

Senior Scientific and Environmental Officer

South Australian Metropolitan Fire Service

By Email: Krystle.Mitchell@eso.sa.gov.au

Dear Ms Mitchell,

RE: REVIEW OF SITE CONTAMINATION REPORT – ACTION REQUIRED

Site: Various Metropolitan Fire Service (MFS) Fire Stations, South Australia

Thank you for providing the Environment Protection Authority (EPA) with a copy of the following report:

- *MFS 17 Fire Stations PFAS Risk Profiling*, prepared by GHD and dated 26 October 2022.

The above report documents a desktop risk profiling and prioritisation assessment completed for 17 MFS stations previously identified as containing PFAS contamination, based on limited site sampling completed in 2019 (GHD 2019)¹.

The EPA requests that you submit a plan of proposed works and associated timelines to address the highest risk sites by **30 June 2023**.

If you agree to undertake the above listed works it is requested that you submit written acknowledgement to the EPA stating as such. If you wish to discuss potential alterations to the recommended works or delivery date please contact the EPA as soon as possible.

It is not clear in the above report whether stations where no soil sampling was completed, or where the limited sampling showed no site contamination, were considered as part of the risk screening assessment. The EPA notes that the sampling documented in GHD (2019) was highly limited and may not capture all potential PFAS source areas at a station. The EPA recommends that these stations be risk profiled if not undertaken previously.

Please provide a copy of this letter to your engaged consultant to assist them in developing a scope of works for the relevant sites. Fact sheets relating to your obligations under the *Environment Protection Act 1993* and how to engage a site contamination consultant be found at www.epa.sa.gov.au. If you would like further assistance on this matter please contact Brooke Ryan on (08) 8204 8525 or at brooke.ryan2@sa.gov.au.

Yours sincerely

A handwritten signature in black ink that reads 'H Custance'.

Hannah Custance

PRINCIPAL ADVISER, SITE CONTAMINATION

ENVIRONMENT PROTECTION AUTHORITY

Date: 1 February 2023

Cc: Ben Petticrew, Technical/Project Director – Contamination Assessment and Remediation, GHD (ben.petticrew@ghd.com)

¹ *MFS State Wide Appliance and Station Sampling*, prepared by GHD and dated May 2019.

Appendix B

Lotsearch Report LS040255 EP



LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 10 Feb 2023 10:52:25

Reference: LS040255 EP

Address: 1 Trent Road, Port Augusta, SA 5700

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:



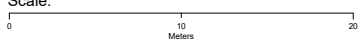
Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	PSMA Australia Limited	01/11/2021	01/11/2021	Quarterly	-	-	-	-
EPA Site Contamination Index	EPA South Australia	06/01/2023	06/01/2023	Monthly	1000m	1	3	22
EPA Environmental Protection Orders	EPA South Australia	25/01/2023	25/01/2023	Monthly	1000m	0	0	0
EPA Environmental Authorisations	EPA South Australia	25/01/2023	25/01/2023	Monthly	1000m	0	0	9
EPA Assessment Areas	EPA South Australia	25/01/2023	25/01/2023	Quarterly	1000m	0	0	0
EPA Groundwater Prohibition Areas	EPA South Australia	23/01/2023	20/08/2022	Monthly	1000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	06/01/2023	06/01/2023	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	06/01/2023	06/01/2023	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	13/12/2022	13/12/2022	Monthly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	02/09/2022	02/09/2022	Quarterly	2000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	26/05/2022	07/03/2017	Annually	1000m	0	0	0
EPA Collection Depots	EPA South Australia	20/12/2022	20/08/2022	Quarterly	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	23/08/2022	15/03/2012	Annually	1000m	0	0	1
Historical Business Directories (Premise & Intersection Matches)	Hardie Grant, Sands & McDougall			Not required	150m	0	17	27
Historical Business Directories (Road & Area Matches)	Hardie Grant, Sands & McDougall			Not required	150m	-	9	20
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant, Sands & McDougall			Not required	500m	0	0	4
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant, Sands & McDougall			Not required	500m	-	1	3
Mines and Mineral Deposits	Department for Energy and Mining	18/10/2022	18/10/2022	Quarterly	1000m	0	0	0
Groundwater Aquifers	Department for Environment and Water	29/03/2021	01/01/2008	Annually	1000m	1	1	2
Drillholes	Department for Environment and Water	19/10/2022	07/10/2022	Quarterly	2000m	0	0	283
Surface Geology 1:100,000	Department for Energy and Mining	12/07/2018	01/07/2018	As required	1000m	1	1	6
Geological Linear Structures 1:100,000	Department for Energy and Mining	12/07/2018	01/07/2018	As required	1000m	0	0	0
Atlas of Australian Soils	ABARES	19/05/2017	17/02/2011	As required	1000m	0	0	2
Soil Types	Department for Environment and Water	12/07/2018	01/07/2009	As required	1000m	0	0	1
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000m	0	0	3
Acid Sulfate Soil Potential	Department for Environment and Water	06/04/2022	18/02/2020	Annually	1000m	0	0	1
Soil Salinity - Watertable Induced	Department for Environment and Water	23/06/2022	09/06/2016	Annually	1000m	0	0	1
Soil Salinity - Non-watertable	Department for Environment and Water	19/04/2022	18/02/2020	Annually	1000m	0	0	1
Soil Salinity - Non-watertable (magnesia patches)	Department for Environment and Water	19/04/2022	18/02/2020	Annually	1000m	0	0	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
Planning and Design Code - Zones	Attorney-General's Department	13/12/2022	23/06/2022	Monthly	1000m	1	3	9
Planning and Design Code - Subzones	Attorney-General's Department	13/12/2022	20/01/2022	Monthly	1000m	0	0	0
Land Use Generalised 2020	Department of Planning, Transport and Infrastructure	18/10/2022	07/03/2022	Annually	1000m	1	7	11
Commonwealth Heritage List	Australian Government Department of Agriculture, Water and the Environment	03/06/2022	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Government Department of Agriculture, Water and the Environment	03/06/2022	13/04/2022	Annually	1000m	0	0	0
State Heritage Areas	Department for Environment and Water	06/04/2022	18/02/2020	Annually	1000m	0	0	0
SA Heritage Places	Department for Environment and Water	19/10/2022	23/09/2021	Quarterly	1000m	0	0	10
Aboriginal Land	Department for Energy and Mining	06/04/2022	08/04/2018	Annually	1000m	0	0	0
Planning and Design Code - Overlays - Bushfire	Attorney-General's Department	13/12/2022	13/12/2022	Monthly	1000m	0	0	1
Bushfires and Prescribed Burns History	Department for Environment and Water	06/04/2022	24/02/2020	Annually	1000m	0	0	0
Planning and Design Code - Overlays - Flooding	Attorney-General's Department	13/12/2022	13/12/2022	Monthly	1000m	1	1	1
Groundwater Dependent Ecosystems Atlas	Bureau of Meteorology	28/10/2022	26/10/2022	Annually	1000m	0	0	1
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	28/10/2022	26/10/2022	Annually	1000m	0	0	1
Ramsar Wetland Areas	Department for Environment and Water	28/03/2022	18/02/2020	Annually	1000m	0	0	0

Site Diagram

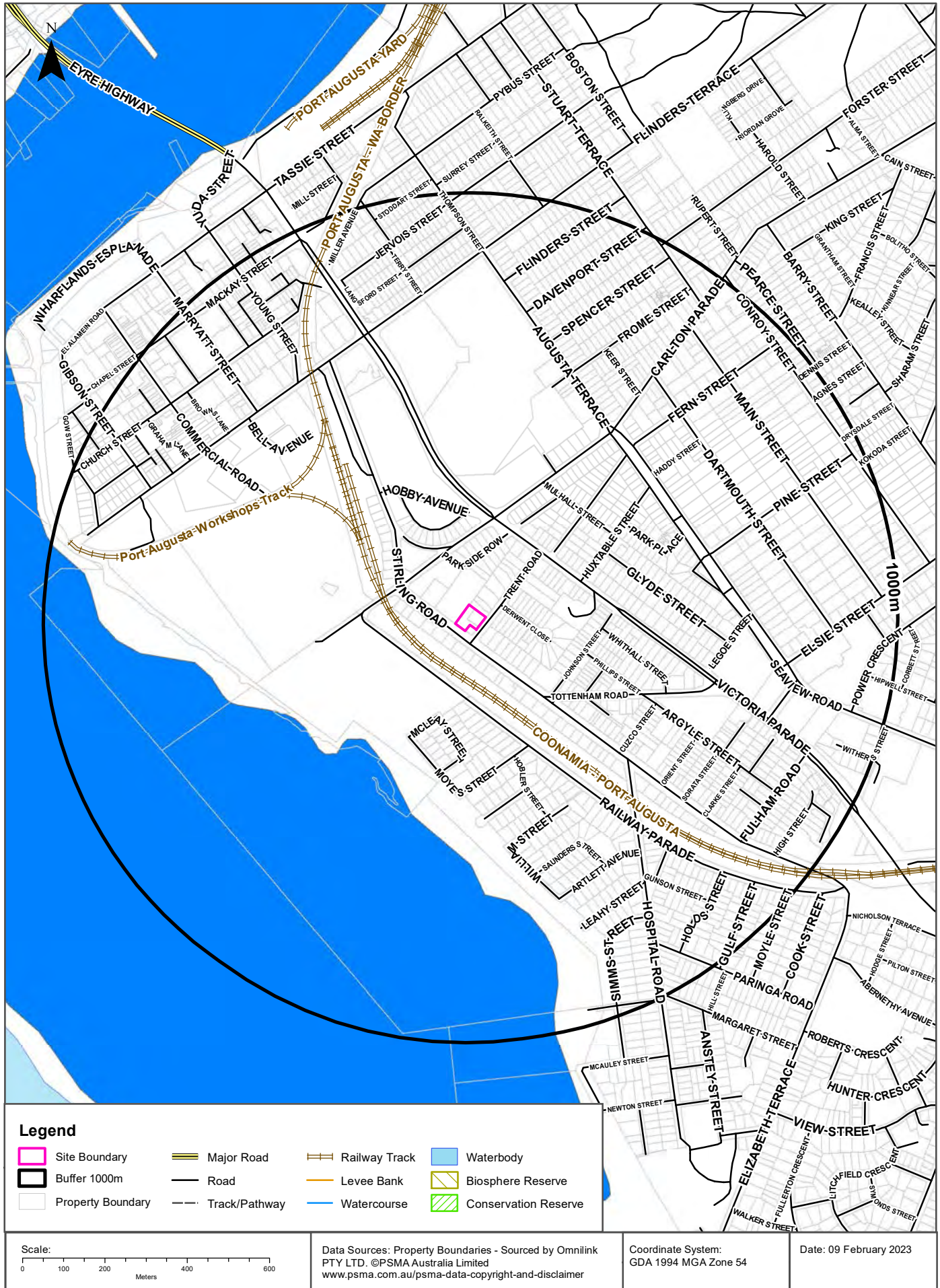
1 Trent Road, Port Augusta, SA 5700



Legend  Site Boundary  Internal Parcel Boundaries	Total Area: 2461m ² Total Perimeter: 213m	Scale: 
	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.	Data Source Aerial Imagery: © Aerometrex Pty Ltd
		Date: 09 February 2023

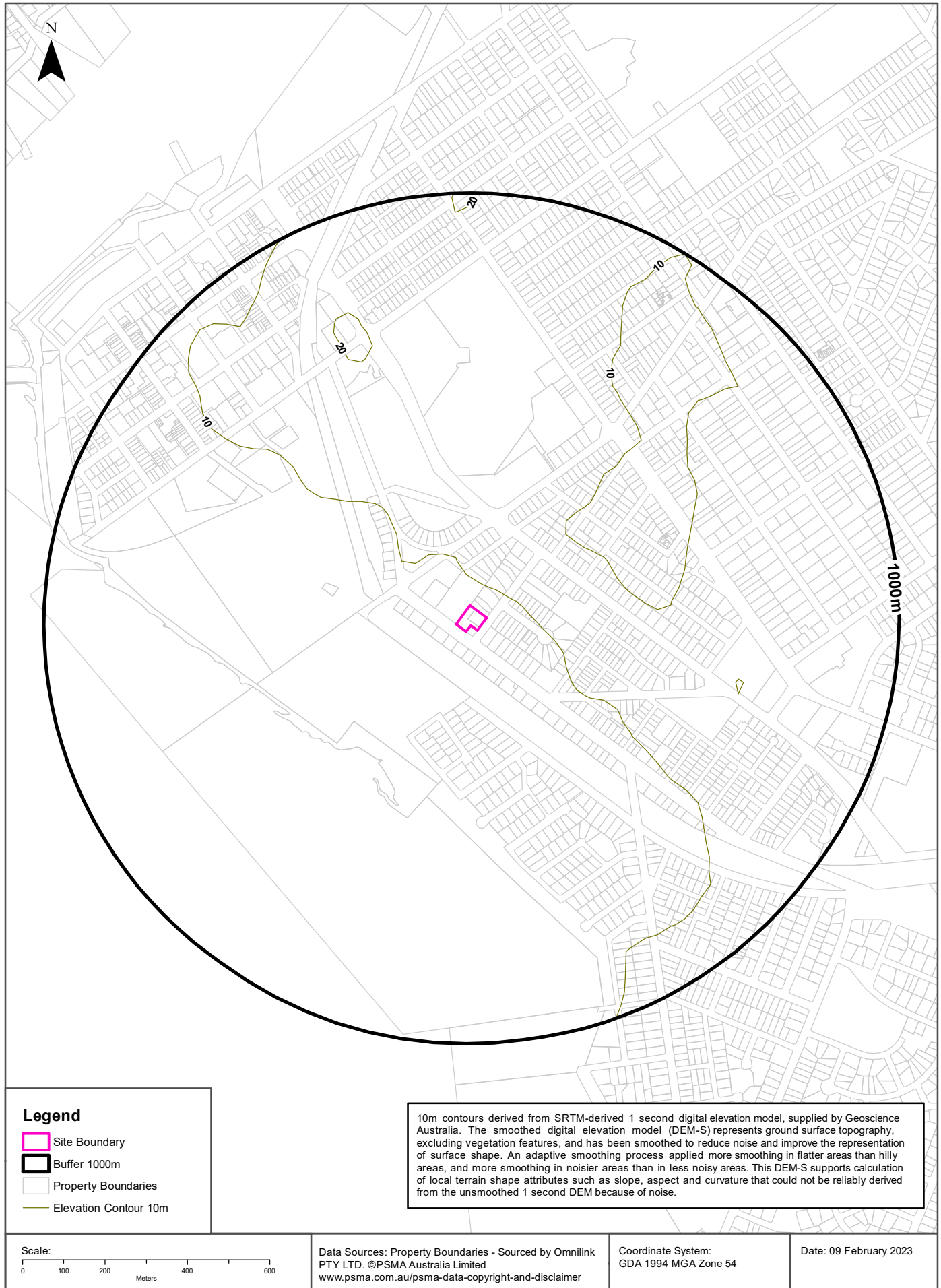
Topographic Features

1 Trent Road, Port Augusta, SA 5700



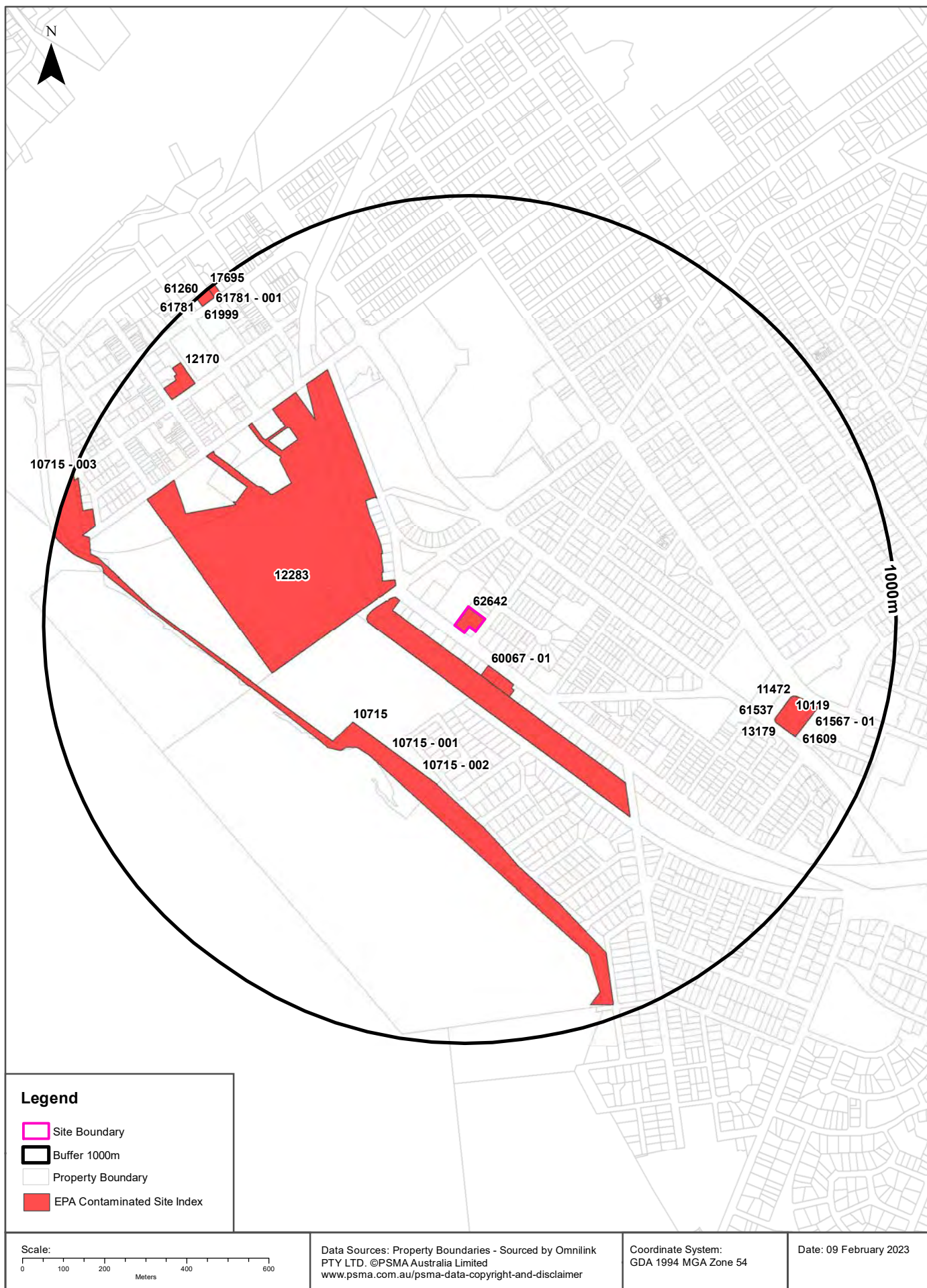
Elevation Contours

1 Trent Road, Port Augusta, SA 5700



EPA Site Contamination Index

1 Trent Road, Port Augusta, SA 5700



EPA Contaminated Land

1 Trent Road, Port Augusta, SA 5700

EPA Site Contamination Index

Sites on the EPA Contamination Index within the dataset buffer:

Notification No	Type	Address	Activity	Status	LocConf	Dist	Dir
62642	109 Notification	1 Trent Road PORT AUGUSTA SA 5710	Fire stations; Fire training areas	Current EPA List	Premise Match	0m	On-site
12283	S83 Notification	Railway Terrace and Budd Siding PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	60m	West
60067 - 01	S83A Notification	44 Stirling Road PORT AUGUSTA SA 5700	Service stations	Current EPA List	Premise Match	89m	South East
10715	Pre 1 July 2009 Audit Notification	Port Augusta Foreshore Area PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	337m	South West
10715 - 001	Pre 1 July 2009 Audit Report	Port Augusta Foreshore Area PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	337m	South West
10715 - 002	Pre 1 July 2009 Audit Report	Port Augusta Foreshore Area PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	337m	South West
10715 - 003	Pre 1 July 2009 Audit Report	Port Augusta Foreshore Area PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	337m	South West
10119	S83 Notification	Victoria Parade PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	746m	East
11472	Pre 1 July 2009 Audit Termination	Victoria Parade PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	746m	East
11472	Pre 1 July 2009 Audit Notification	Victoria Parade PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	746m	East
13179	Pre 1 July 2009 Audit Notification	Victoria Parade PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	746m	East
13179	Pre 1 July 2009 Audit Termination	Victoria Parade PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	746m	East
61537	Audit Notification	63 Victoria Parade PORT AUGUSTA SA 5710	Service stations	Current EPA List	Premise Match	746m	East
61537	Audit Termination	63 Victoria Parade PORT AUGUSTA SA 5710	Not recorded	Current EPA List	Premise Match	746m	East
61567 - 01	S83A Notification	63 Victoria Parade PORT AUGUSTA SA 5700	Service stations	Current EPA List	Premise Match	746m	East
61609	Audit Notification	63 Victoria Parade PORT AUGUSTA SA 5710	Service stations	Current EPA List	Premise Match	746m	East
12170	S83 Notification	Jervois Street PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	860m	North West
17695	109 Notification	23 Mackay Street PORT AUGUSTA SA 5700	Listed Substances (storage)	Current EPA List	Premise Match	974m	North West
61260	Liability Transfer	21-23 Mackay Street PORT AUGUSTA SA 5700	Not recorded	Current EPA List	Premise Match	975m	North West
61781	Audit Notification	21-23 Mackay Street PORT AUGUSTA SA 5710	Not recorded	Current EPA List	Premise Match	975m	North West
61781 - 001	Audit Report	21-23 Mackay Street PORT AUGUSTA SA 5710	Transport depots or loading sites	Current EPA List	Premise Match	975m	North West
61999	Voluntary Proposal	21-23 Mackay Street PORT AUGUSTA SA 5710	Transport depots or loading sites	Current EPA List	Premise Match	975m	North West

Site Contamination Index Data Source: EPA South Australia

EPA Public Register

1 Trent Road, Port Augusta, SA 5700

EPA Environment Protection and Clean Up Orders

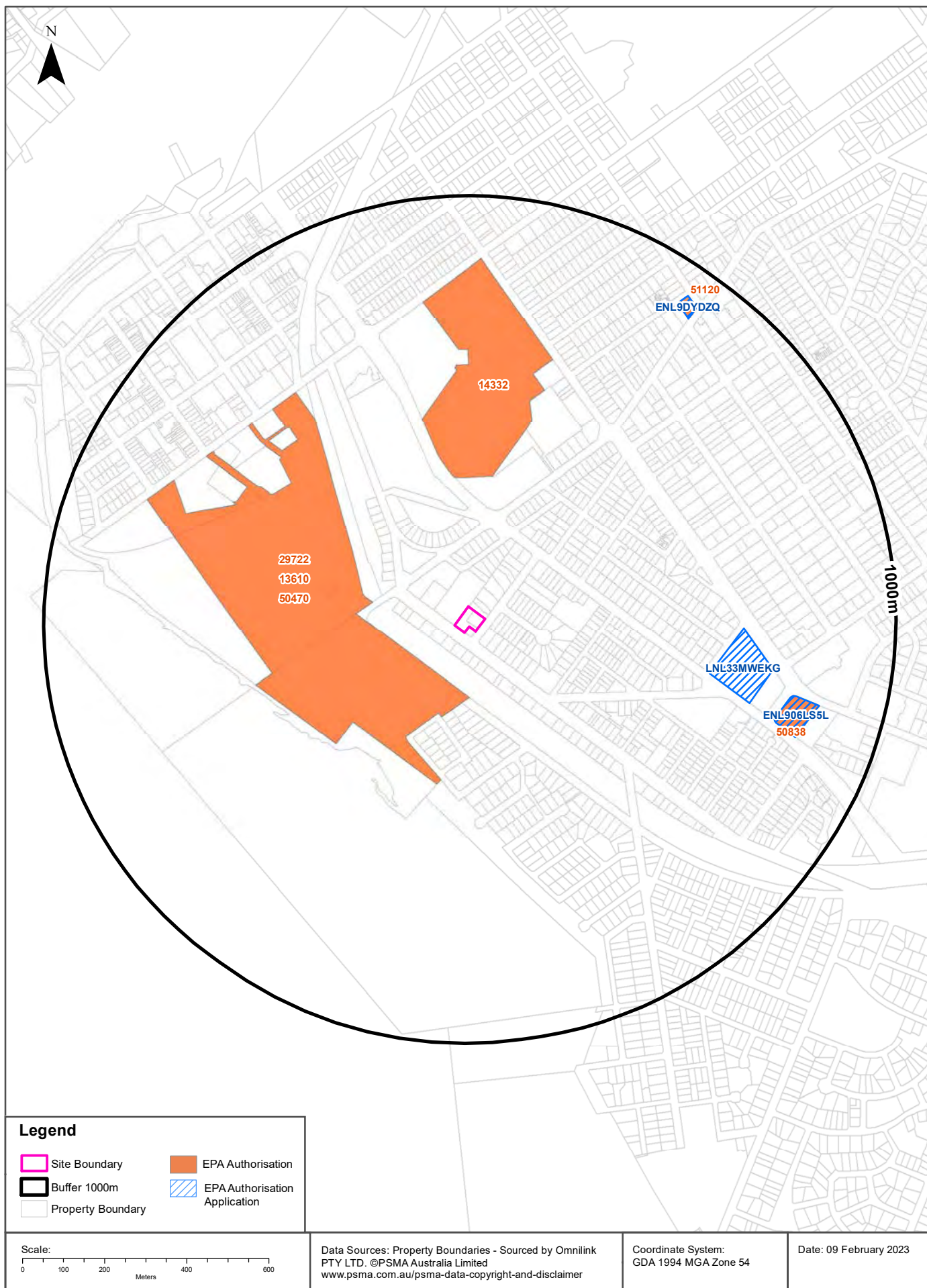
EPA Environment Protection and Clean Up Orders, within the dataset buffer:

Record No.	Record Type	Record Status	Entity	Site Address	Activity	EPA Register Status	LocConf	Dist	Dir
N/A	No records in buffer								

Authorisations Data Source: EPA South Australia

EPA Authorisations and Applications

1 Trent Road, Port Augusta, SA 5700



EPA Public Register

1 Trent Road, Port Augusta, SA 5700

EPA Authorisations and Applications

EPA Authorisations and Authorisation Applications within the dataset buffer:

Record No.	Record Type	Record Status	Entity	Site Address	Activity	EPA Register Status	LocConf	Dist	Dir
13610	LICENCE	Issued	TIMOTHY AMBROSE CORBETT	Lots 60 & 300 Railway Pde and 27 Prosser St. Port Augusta & Various Locations Throughout SA, SA	Abrasive blasting	Current EPA Register	Premise Match	120m	West
29722	LICENCE	Transferred	DOWNER EDI RAIL PTY LTD	Pt Allotment 300 (DP 66419), Part Allotment 60 & Allotment 63 (DP 77909) Railway Parade, PORT AUGUSTA, 5700, SA	Activities producing listed wastes	Current EPA Register	Premise Match	120m	West
50470	LICENCE	Issued	PROGRESS RAIL AUSTRALIA PTY LTD	Pt Allotment 300 (DP 66419), Part Allotment 60 & Allotment 63 (DP 77909) Railway Parade, PORT AUGUSTA, 5700, SA	Activities producing listed wastes	Current EPA Register	Premise Match	120m	West
14332	LICENCE	Issued	CORPORATION OF THE CITY OF PORT AUGUSTA	2 Augusta Street, PORT AUGUSTA SA 5700	Sewage treatment works or septic tank effluent disposal schemes (discharge other than to marine waters or a Water Protection Area)	Current EPA Register	Premise Match	315m	North
LNL33 MWEK G	LICENCE APPLICATION	Processing	SOUTH AUSTRALIAN WATER CORPORATION	40-50 Seaview Road, PORT AUGUSTA SA 5700	Waste recycling depot (waste for resource recovery or transfer)	Current EPA Register	Premise Match	562m	East
50838	LICENCE	Issued	AMPOL AUSTRALIA PETROLEUM PTY LTD	63 Victoria Parade, PORT AUGUSTA SA 5700	Petrol stations	Current EPA Register	Premise Match	746m	East
ENL90 6LS5L	LICENCE APPLICATION	Authorisation Updated	CALTEX AUSTRALIA PETROLEUM PTY LTD	63 Victoria Parade, PORT AUGUSTA SA 5700	Petrol stations	Current EPA Register	Premise Match	746m	East
51120	LICENCE	Issued	BRYAN NICHOLAS HEASLIP	95 Carlton Parade, PORT AUGUSTA SA 5700	Petrol stations	Current EPA Register	Premise Match	882m	North East
ENL9D YDZQ	LICENCE APPLICATION	Authorisation Updated	BRYAN NICHOLAS HEASLIP	95 Carlton Parade, PORT AUGUSTA SA 5700	Petrol stations	Current EPA Register	Premise Match	882m	North East

Authorisations Data Source: EPA South Australia

EPA Assessment and Groundwater Prohibition Areas

1 Trent Road, Port Augusta, SA 5700

EPA Assessment Areas

EPA Assessment Areas within the dataset buffer:

Map Id	Supplied Ref	Area Name	Map Link	Status	Location Confidence	Distance	Direction
N/A	No records in buffer						

Assessment Areas Data Source: EPA South Australia

EPA Assessment and Groundwater Prohibition Areas

1 Trent Road, Port Augusta, SA 5700

EPA Groundwater Prohibition Areas

EPA Groundwater Prohibition Areas within the dataset buffer:

Map Id	Site Name	Location Confidence	Distance	Direction
N/A	No records in buffer			

Groundwater ProhibitionAreas Data Source: EPA South Australia

PFAS Investigation & Management Programs

1 Trent Road, Port Augusta, SA 5700

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

Defence Sites

1 Trent Road, Port Augusta, SA 5700

Defence 3 Year Regional Contamination Investigation Program

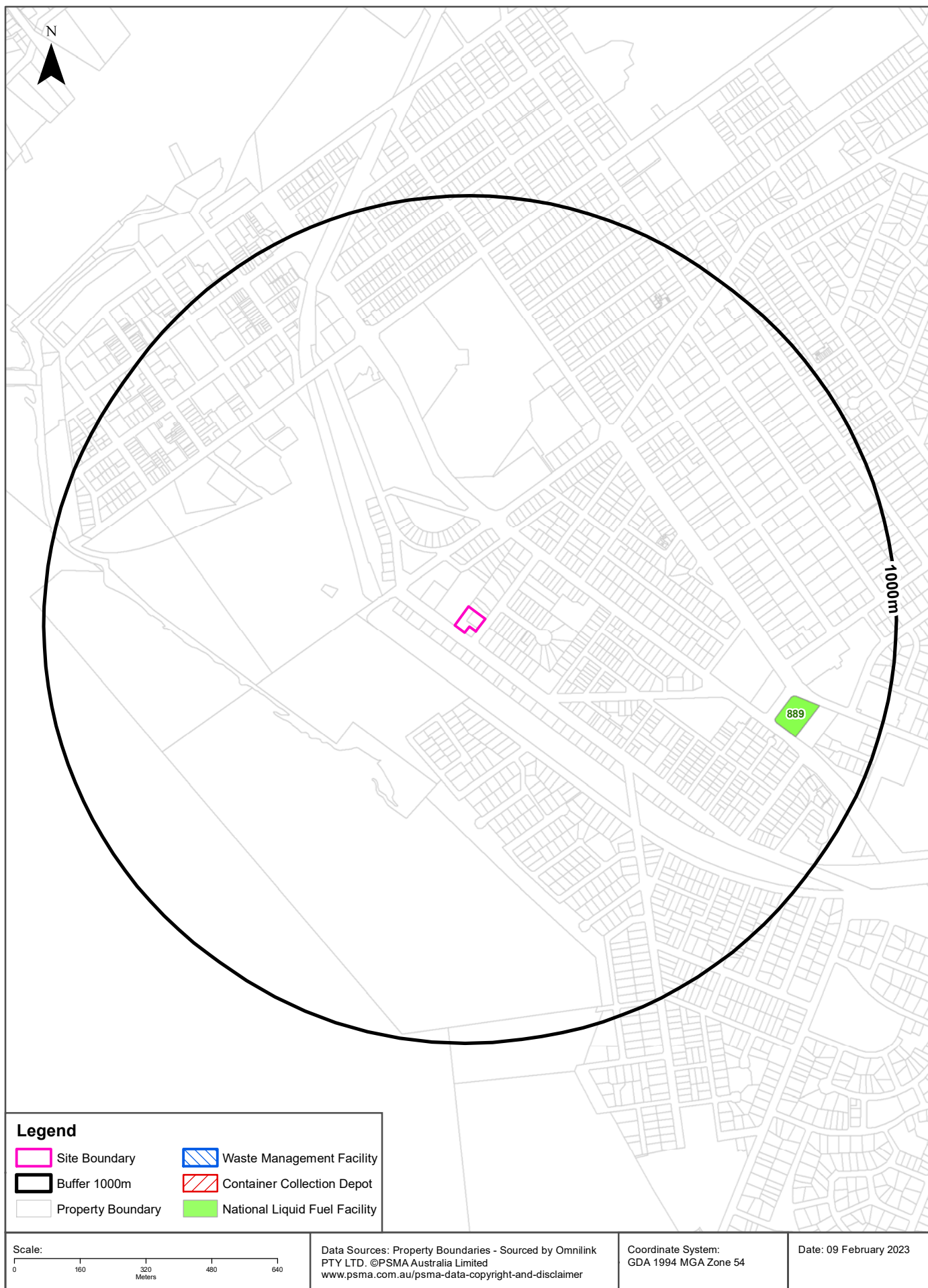
Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

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

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

Waste Management & Liquid Fuel Facilities

1 Trent Road, Port Augusta, SA 5700



Waste Management and Liquid Fuel Facilities

1 Trent Road, Port Augusta, SA 5700

National Waste Management Site Database

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

Site Id	Owner	Name	Address	Suburb	Class	Revised Date	Location Confidence	Distance	Direction
N/A	No records in buffer								

Waste Management Facilities Data Source: Australian Government Geoscience Australia
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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
N/A	No records in buffer					

Collection Depot Data Source: EPA South Australia

National Liquid Fuel Facilities

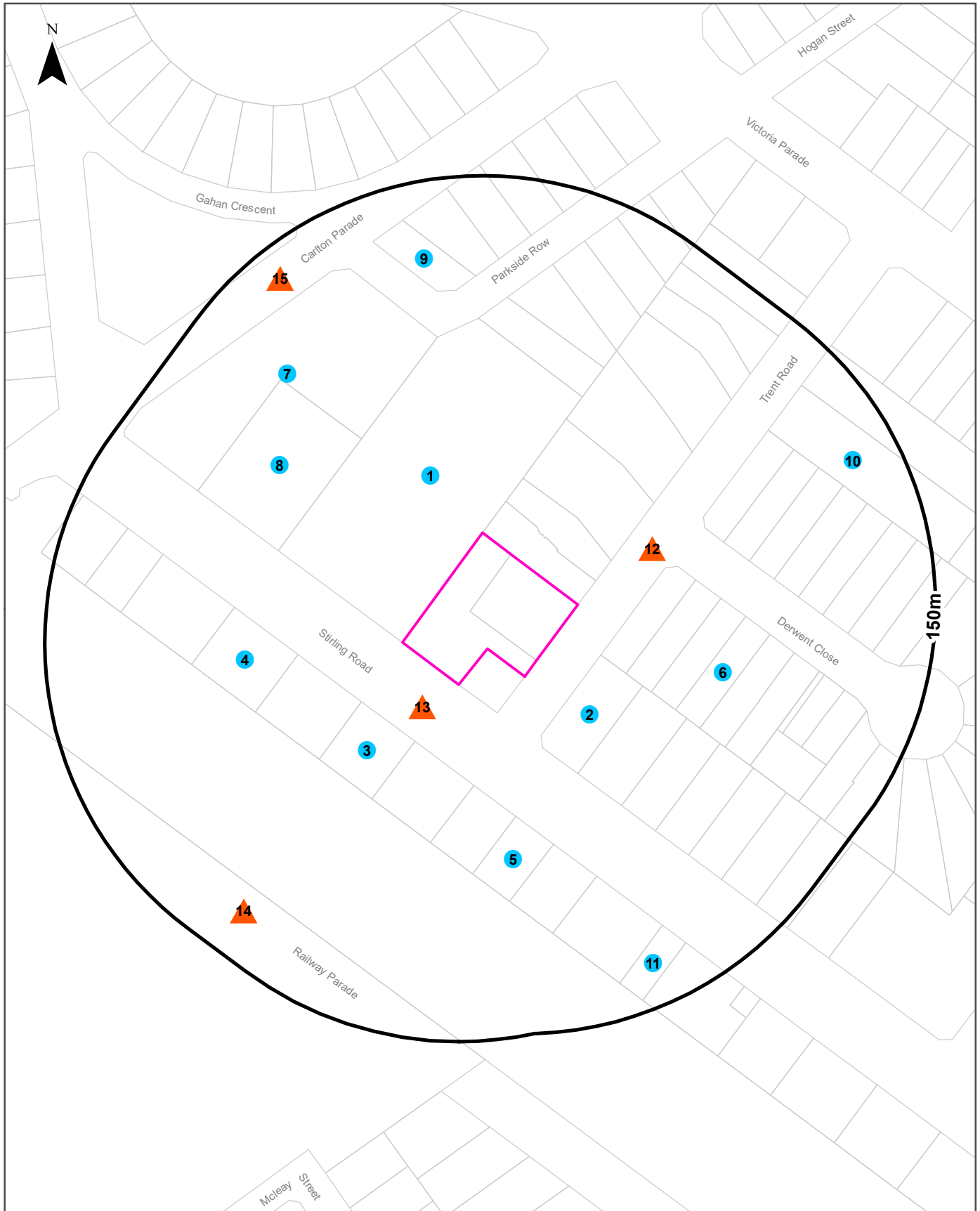
National Liquid Fuel Facilities within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist	Dir
889	Caltex	Caltex Port Augusta	63 Victoria Parade	Port Augusta	Petrol Station	Operational		25/07/2011	Premise Match	746m	East

National Liquid Fuel Facilities Data Source: Geoscience Australia
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Historical Business Directories

1 Trent Road, Port Augusta, SA 5700



Legend Site Boundary Buffer 150m Property Boundary Business directory records mapped to a specific premise Business directory records mapped to a road intersection Business directory records mapped to a road corridor Business directory records mapped to a general area		Scale: 	Coordinate System: GDA 1994 MGA Zone 54 Date: 10 February 2023
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 Omnalink PTY LTD. ©PSMA Australia Limited 2023 www.psmas.com.au/psma-data-copyright-and-disclaimer			

Historical Business Directories

1 Trent Road, Port Augusta, SA 5700

Business Directory Records 1910-1991 Premise or Road Intersection Matches

Universal Business Directory and Sands & McDougall Directory records, from years 1991, 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	GOVERNMENT DEPARTMENTS	South Australian County Fire Services Regional H.Q, 23 Stirling Rd., Port Augusta	12650	1991	Premise Match	0m	North West
	LOCAL BODIES.	South Australian Country Fire Services Regional H.Q, 23 Stirling Rd.. Port Augusta	12787	1991	Premise Match	0m	North West
2	VALUERS-LAND	Henderson C E 29 Stirling rd Pt Augusta	9623	1973	Premise Match	20m	South East
3	CRASH REPAIRS	Dunn's Auto Repairs 32 Stirling rd Port Augusta	2721	1973	Premise Match	30m	South West
	CRASH REPAIRS	Dunn's Auto Repairs 32 Stirling rd Port Augusta	38129	1965	Premise Match	30m	South West
	BAKERS & CAKE SHOPS & CATERERS	Leedhams Bakery 38 Stirling rd Pt Augusta	34328	1965	Premise Match	30m	South West
	BAKERS, CAKE SHOPS & CATERERS	Leedhams Bakery 38 Stirling rd Pt Augusta	37297	1955	Premise Match	30m	South West
4	MOTOR CYCLE DEALERS &/OR REPAIRERS.	Northern Motorcycles, 30 Stirling Rd.. Port Augusta	12856	1991	Premise Match	44m	West
	GENERATOR MFRS. &/OR DIST.	Northern Motorcycles. 30 Stirling Rd.. Port Augusta	12594	1991	Premise Match	44m	West
	Used Car Dealers	Flinders Car Exchange 30 Stirling rd Port Augusta	8156	1973	Premise Match	44m	West
	USED CAR DEALERS	Flinders Car Exchange 30 Stirling rd Port Augusta	9363	1965	Premise Match	44m	West
5	MOTOR CAR DEALERS-NEW &/OR USED.	Feltus. Ken Holden, 38 Stirling Rd Port Augusta	12842	1991	Premise Match	59m	South
	MOTOR SPARE PARTS DEALERS-RETAIL.	Feltus. Ken Holden, 38 Stirling Rd.. Port Augusta	12917	1991	Premise Match	59m	South
6	BAKERS & CAKE SHOPS & CATERERS	Shillabeer D N 8 Derwent close Port Augusta	35431	1965	Premise Match	59m	East
7	HOTELS-LICENSED.	Pastoral Hotel, 17 Stirling Rd . Port Augusta	12731	1991	Premise Match	64m	North West
8	TAILORS, MERCERS & MEN'S WEAR	Hampel D K 19 Stirling rd Port Augusta	703	1973	Premise Match	64m	North West
	TAILORS, MERCERS & MEN'S WEAR	Hampel D K 19 Stirling rd Port Augusta	58334	1965	Premise Match	64m	North West
9	DELICATESSENS.	J M Deli, 10 Carlton Pde., Port Augusta	12462	1991	Premise Match	102m	North
	PIE MAKERS.	J M Deli, 10 Carlton Pde.. Port Augusta	12995	1991	Premise Match	102m	North
	CONFECTIONERS & MILK BARS	Davenport Milk Bar 10 Carlton par Port Augusta	37111	1965	Premise Match	102m	North
10	HALLS-REGISTERED.	Boy Scouts Hall, 2 Trent Rd . Port Augusta	12686	1991	Premise Match	108m	North East
	CLUBS &/OR SPORTING BODIES.	Boy Scouts Hall, 2 Trent Rd.. Port Augusta	12411	1991	Premise Match	108m	North East
11	MOTOR GARAGES & SERVICE STATIONS.	Mobil Davenport Service Station, 46 Stirling Rd.. Port Augusta	12888	1991	Premise Match	120m	South East
	FISHING TACKLE RETAILERS.	Spencer Gulf Ski Boals. 44 Stirling Rd.. Port Augusta	12543	1991	Premise Match	120m	South East
	OUTBOARD MOTOR SALES &/OR SERVICE.	Spencer Gulf Ski Boats, 44 Stirling Rd.. Port Augusta	12961	1991	Premise Match	120m	South East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
11	CARRIERS & HAULAGE CONTRACTORS	Digance F 42 Stirling rd Pt Augusta	22819	1965	Premise Match	120m	South East
	Carriers & Haulage Contractors	Digance F 42 Stirling rd Pt Augusta	21341	1955	Premise Match	120m	South East

Business Directory Content reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018 and Sands & McDougall's Directory of South Australia

Business Directory Records 1910-1991 Road or Area Matches

Universal Business Directory and Sands & McDougall Directory records, from years 1991, 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
12	HOLIDAY ACCOMMODATION	Port Augusta Backpackers Hostel, Trent Rd.. Port Augusta	12713	1991	Road Match	7m
	HOSTELS.	Port Augusta Backpackers Hostel, Trent Rd.. Port Augusta	12720	1991	Road Match	7m
13	GOVERNMENT DEPARTMENTS	Skillshare, Stirling Rd.. Port Augusta	12648	1991	Road Match	15m
	MOTELS	Meteor Motel Stirling rd Port Augusta	10949	1973	Road Match	15m
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Whitodd Service Station Stirling rd Pt Augusta	23045	1955	Road Match	15m
	FURNITURE REMOVALISTS	Cardassis, G., Stirling Rd. Port Augusta	29769	1950	Road Match	15m
	CONTRACTORS-GENERAL	Digance, F. J., Stirling Rd. Port Augusta	29730	1950	Road Match	15m
	HAULAGE CONTRACTOR & GENERAL CARRIER	J.B. Collins., Stirling Road, Port Augusta Port Augusta	29702	1950	Road Match	15m
	ASSOCIATIONS & SOCIETIES	Mothers' & Babies' Health Assn., Stirling Rd. Port Augusta	29664	1950	Road Match	15m
14	CARPENTERS & JOINERS	Willsden Joinery Railway ter Pt Augusta	21634	1965	Road Match	128m
15	RUBBISH &/OR GARBAGE CONTRACTORS.	Augusta Waste, Carlton Pde. Port Augusta	13072	1991	Road Match	135m
	MOTOR TYRE DEALERS, RETREADERS &/OR VULCANISERS.	D & G tyre Sales, Carlton Pde. Port Augusta	12930	1991	Road Match	135m
	BATTERY MFRS. &/OR DISTS.	D & G Tyre Sales, Carlton Pde.. Port Augusta	12228	1991	Road Match	135m
	FUEL MERCHANTS-COAL, COKE &/OR WOOD.	Esso Fuel Agents. W. E. & J. M. Whiting, Carlton Pde.. Port Augusta	12565	1991	Road Match	135m
	Carriers &/or Cartage Contractors	W.E. & J.M. WHITING, Carlton Parade, Port Augusta. 5700	39992	1991	Road Match	135m
	Explosives Distributors &/or Transporters	W.E. & J.M. WHITING., Carlton Parade, P.O. Box 104, Port Augusta. 5700	20996	1991	Road Match	135m
	Ammunition Mfrs &/Or Imps &/Or Dist.	WE & JM WHITING Carlton Parade, Port Augusta, 5700	37465	1991	Road Match	135m
	AMMUNITION MFRS. &/OR IMPS. &/OR DIST.	Whiting, W. E. & J. M. Explosive & General Carriers, Carlton Pde.. Port Augusta	12187	1991	Road Match	135m
	AGENTS-GENERAL.	Whiting, W. E. & J. M. Explosive & General Carriers, Carlton Pde.. Port Augusta	12169	1991	Road Match	135m
GROCERS & GENERAL STOREKEEPERS	Martin, H. W., Corlton Pde. Port Augusta	29776	1950	Road Match	135m	

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Dry Cleaners, Motor Garages & Service Stations

1 Trent Road, Port Augusta, SA 5700



Legend <ul style="list-style-type: none"> Site Boundary Buffer 500m Property Boundary ● Business directory records mapped to a specific premise Business directory records mapped to a road intersection ▲ Business directory records mapped to a road corridor Business directory records mapped to a general area 		Scale: 	Coordinate System: GDA 1994 MGA Zone 54 Date: 10 February 2023
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 Omnalink PTY LTD. ©PSMA Australia Limited 2023 www.psmata.com.au/psmata-data-copyright-and-disclaimer			

Historical Business Directories

1 Trent Road, Port Augusta, SA 5700

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, 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 & SERVICE STATIONS.	Mobil Davenport Service Station, 46 Stirling Rd.. Port Augusta	12888	1991	Premise Match	120m	South East
2	MOTOR GARAGES & SERVICE STATIONS.	Woodtorde Motors, 52 Stirling Rd.. Port Augusta	12894	1991	Premise Match	194m	South East
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Woodforde's Garage 52 Stirling rd Pt Augusta	9952	1965	Premise Match	194m	South East
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Woodforde's Garage 52 Stirling rd Pt Augusta	23106	1955	Premise Match	194m	South East

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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, 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 ENGINEERS, GARAGES & SERVICE STATIONS	Whitodd Service Station Stirling rd Pt Augusta	23045	1955	Road Match	15m
4	MOTOR GARAGES & SERVICE STATIONS.	Ampol Roadhouse, Victoria Parade., Port Augusta Port Augusta	12878	1991	Road Match	204m
	MOTOR GARAGES & SERVICE STATIONS.	Ampol Roadhouse, Victoria Pde., Port Augusta	12880	1991	Road Match	204m

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Aerial Imagery 2022

1 Trent Road, Port Augusta, SA 5700



Legend

- Site Boundary
- Buffer 150m

Scale:

0 25 50 75 100
Meters

Data Source Aerial Imagery:
© Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 54

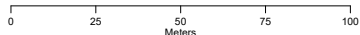
Date: 09 February 2023

Aerial Imagery 2015

1 Trent Road, Port Augusta, SA 5700



Scale:



Data Source Aerial Imagery:
© Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 54

Date: 09 February 2023

Aerial Imagery 2009

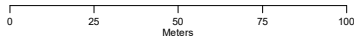
1 Trent Road, Port Augusta, SA 5700



Legend

- Site Boundary
- Buffer 150m

Scale:



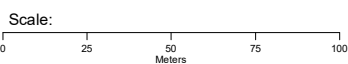
Data Source Aerial Imagery: © 2023 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Coordinate System:
GDA 1994 MGA Zone 54

Date: 09 February 2023

Aerial Imagery 2004

1 Trent Road, Port Augusta, SA 5700



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Coordinate System:
GDA 1994 MGA Zone 54

Date: 09 February 2023

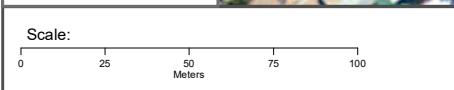
Aerial Imagery 1998

1 Trent Road, Port Augusta, SA 5700



Legend

- Site Boundary
- Buffer 150m



Data Sources Aerial Imagery: © South Australia
Department for Environment & Water

Coordinate System:
GDA 1994 MGA Zone 54



Date: 09 February 2023

Aerial Imagery 1989

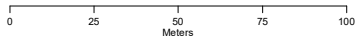
1 Trent Road, Port Augusta, SA 5700



Legend

-  Site Boundary
-  Buffer 150m

Scale:



Data Sources Aerial Imagery: © South Australia
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Coordinate System:
GDA 1994 MGA Zone 54

Date: 09 February 2023



Aerial Imagery 1978

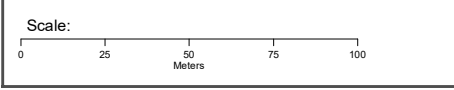
1 Trent Road, Port Augusta, SA 5700



150m

Legend

-  Site Boundary
-  Buffer 150m



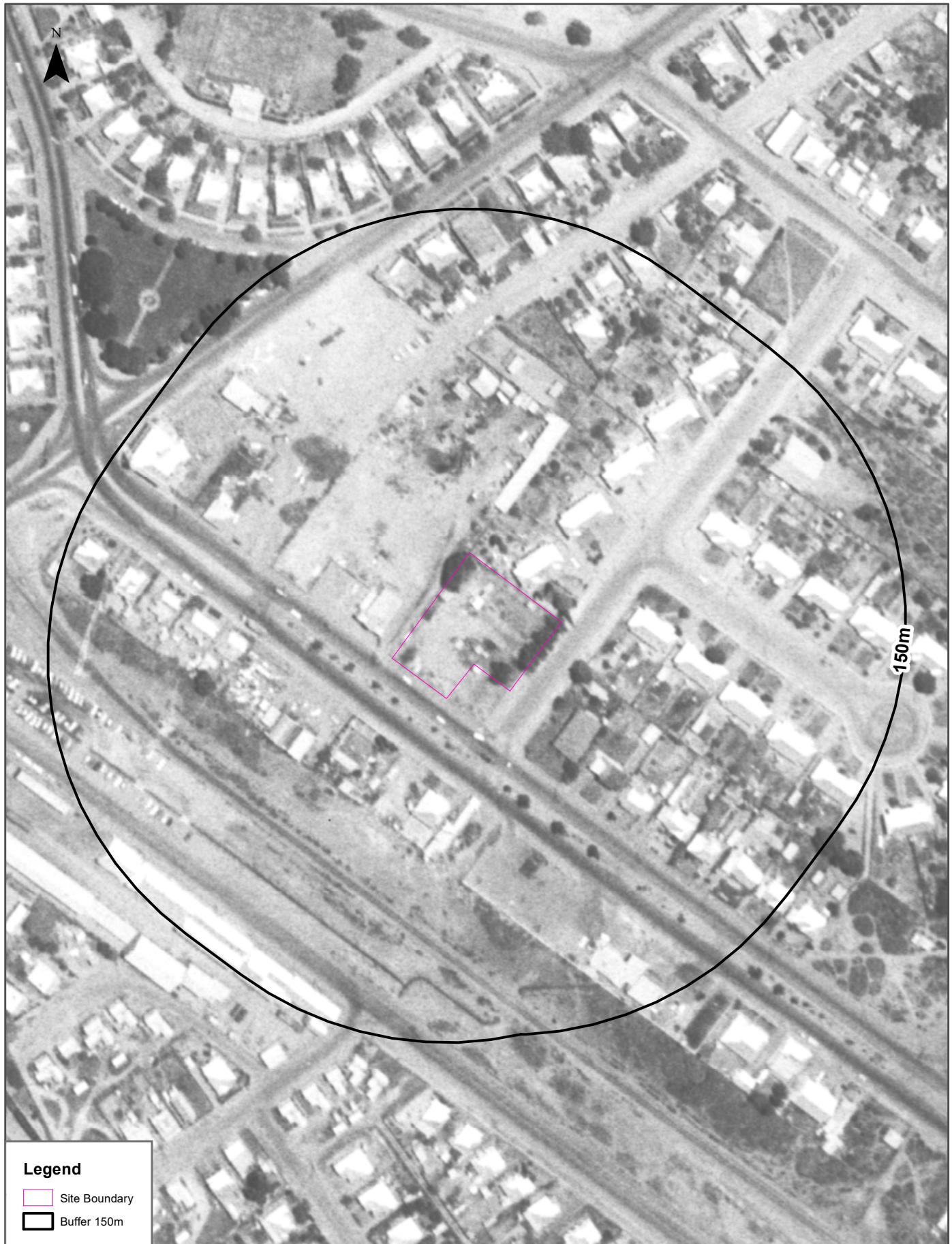
Data Sources Aerial Imagery: © South Australia
Department for Environment & Water

Coordinate System:
GDA 1994 MGA Zone 54

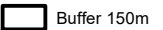
Date: 09 February 2023

Aerial Imagery 1969

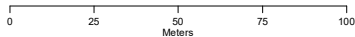
1 Trent Road, Port Augusta, SA 5700



Legend

-  Site Boundary
-  Buffer 150m

Scale:



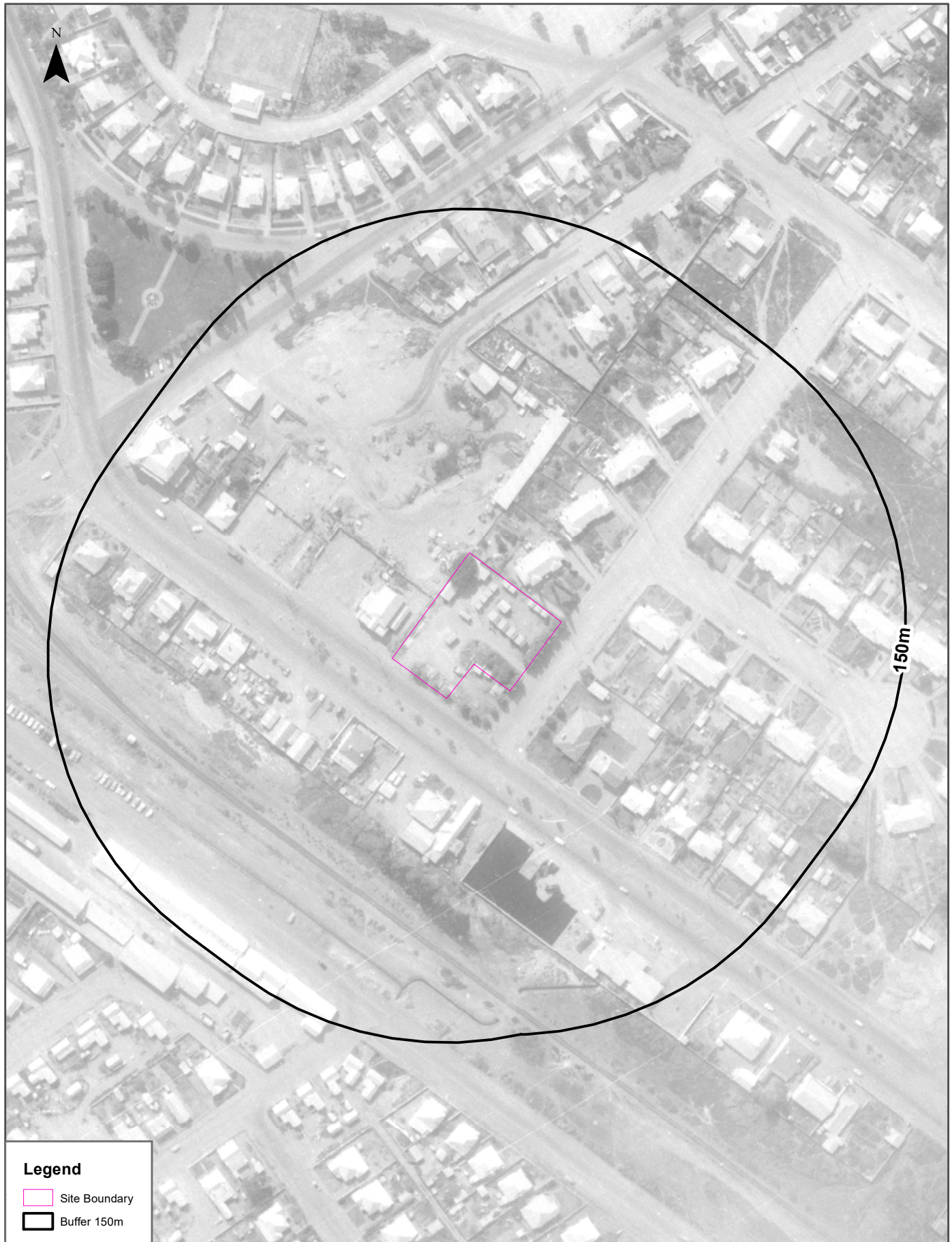
Data Sources Aerial Imagery: © South Australia
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Coordinate System:
GDA 1994 MGA Zone 54

Date: 09 February 2023

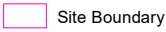
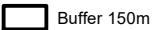
Aerial Imagery 1963

1 Trent Road, Port Augusta, SA 5700

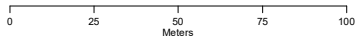


150m

Legend

-  Site Boundary
-  Buffer 150m

Scale:



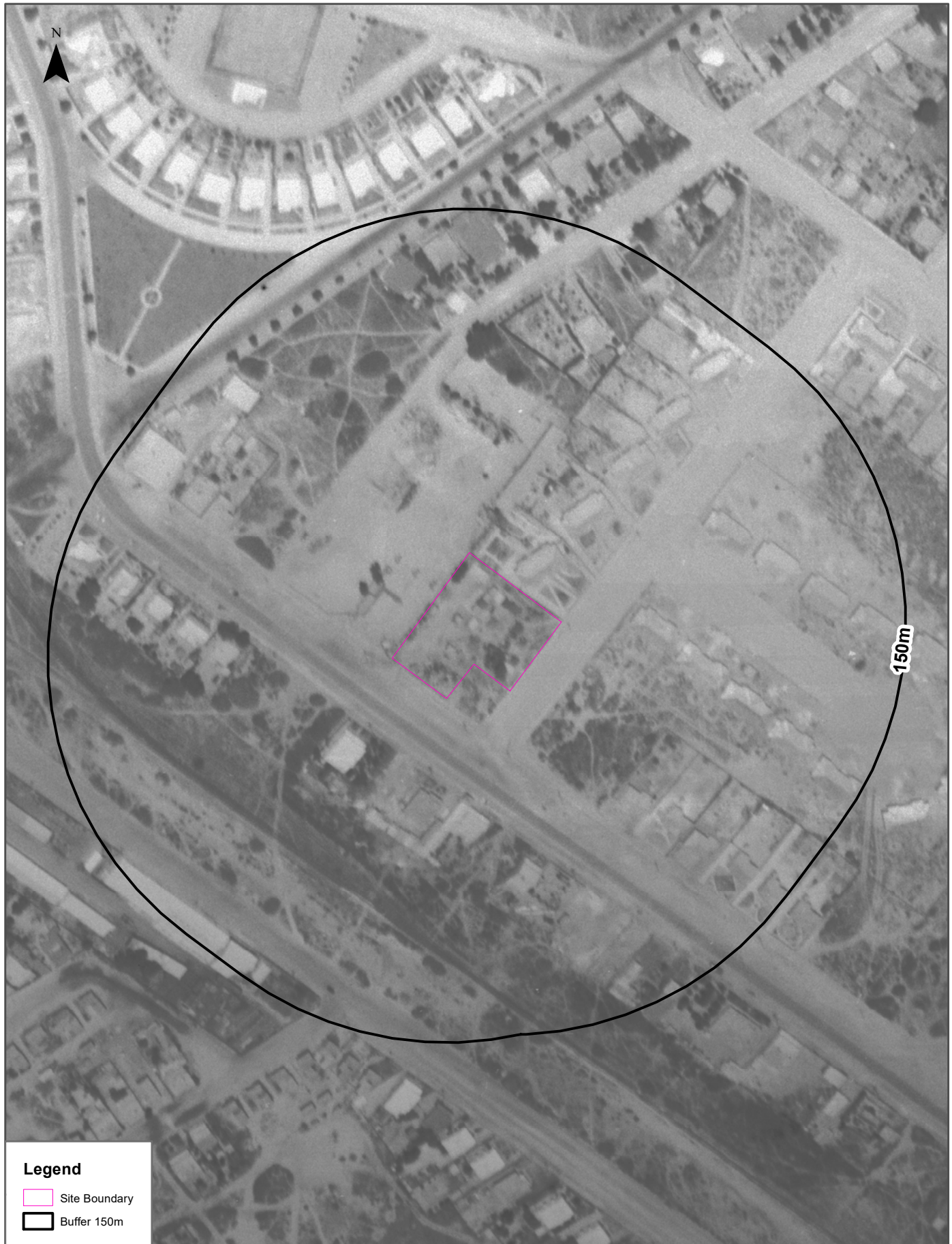
Data Sources Aerial Imagery: © South Australia
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Coordinate System:
GDA 1994 MGA Zone 54



Date: 09 February 2023

Aerial Imagery 1950

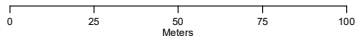
1 Trent Road, Port Augusta, SA 5700



Legend

-  Site Boundary
-  Buffer 150m

Scale:



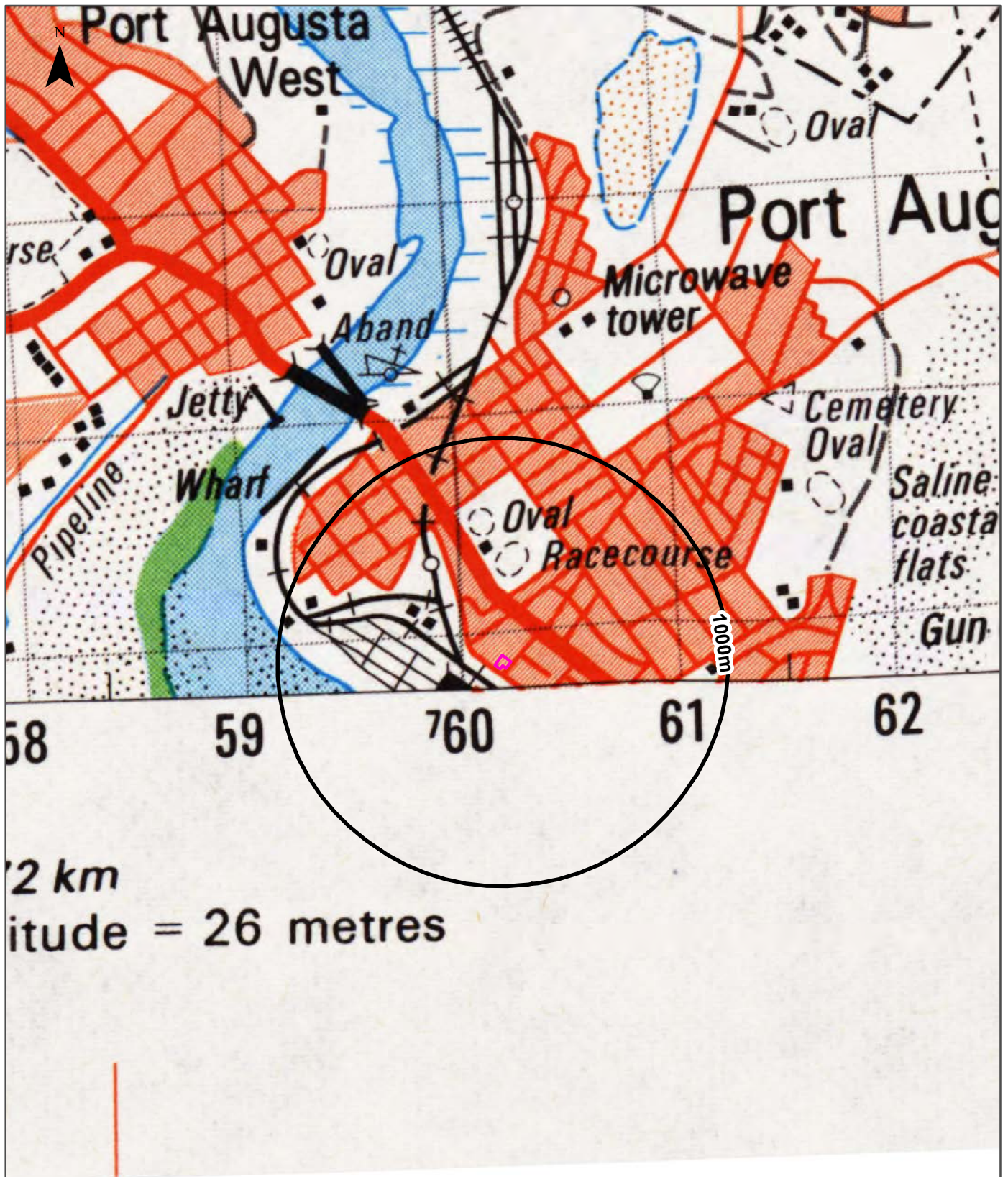
Data Sources Aerial Imagery: © South Australia
Department for Environment & Water

Coordinate System:
GDA 1994 MGA Zone 54

Date: 09 February 2023


Historical Map 1982

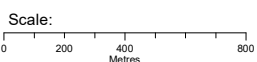
1 Trent Road, Port Augusta, SA 5700



12 km
altitude = 26 metres

Legend

-  Site Boundary
-  Buffer 1000m



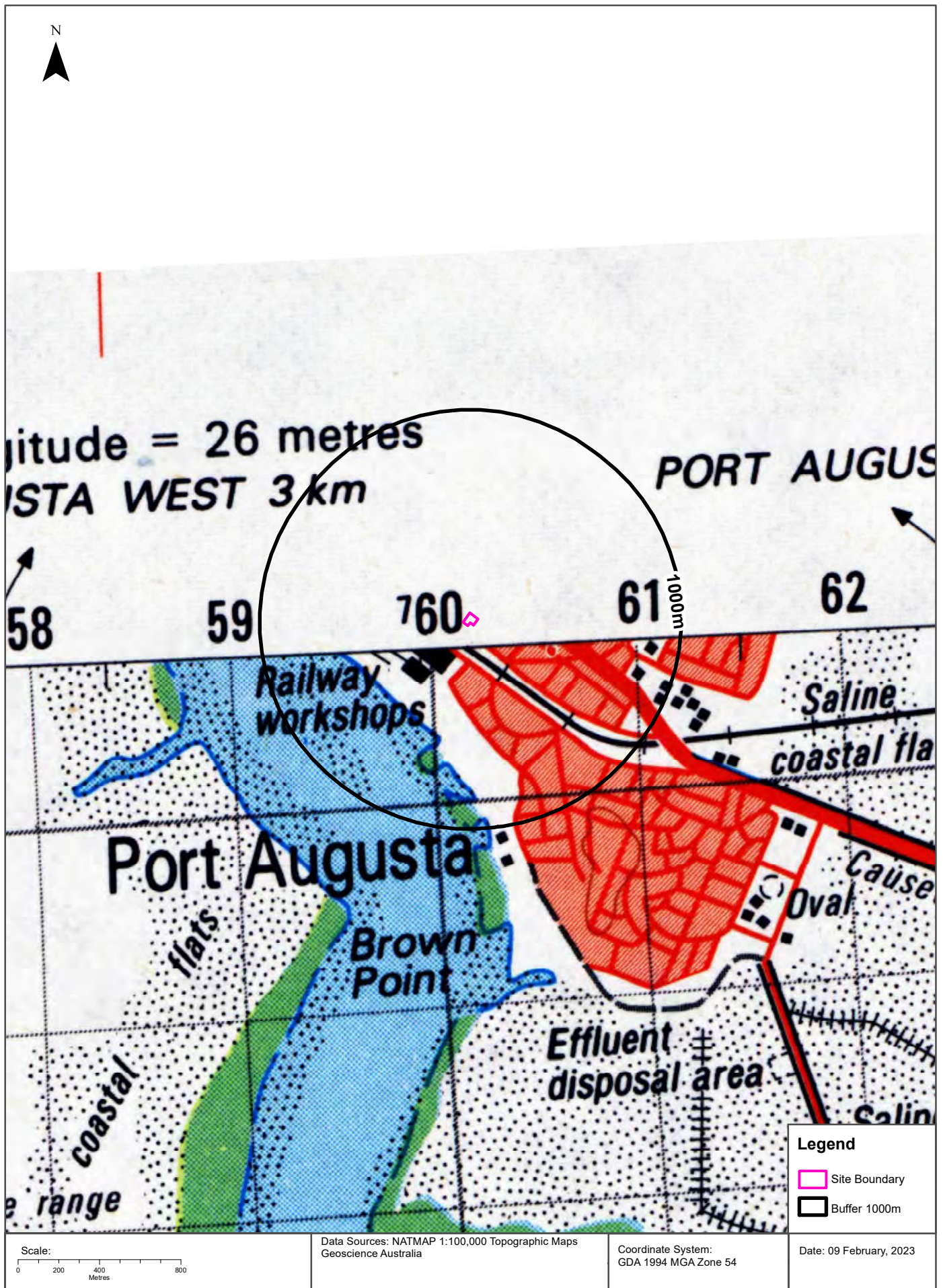
Data Sources: NATMAP 1:100,000 Topographic Maps
Geoscience Australia

Coordinate System:
GDA 1994 MGA Zone 54

Date: 09 February, 2023

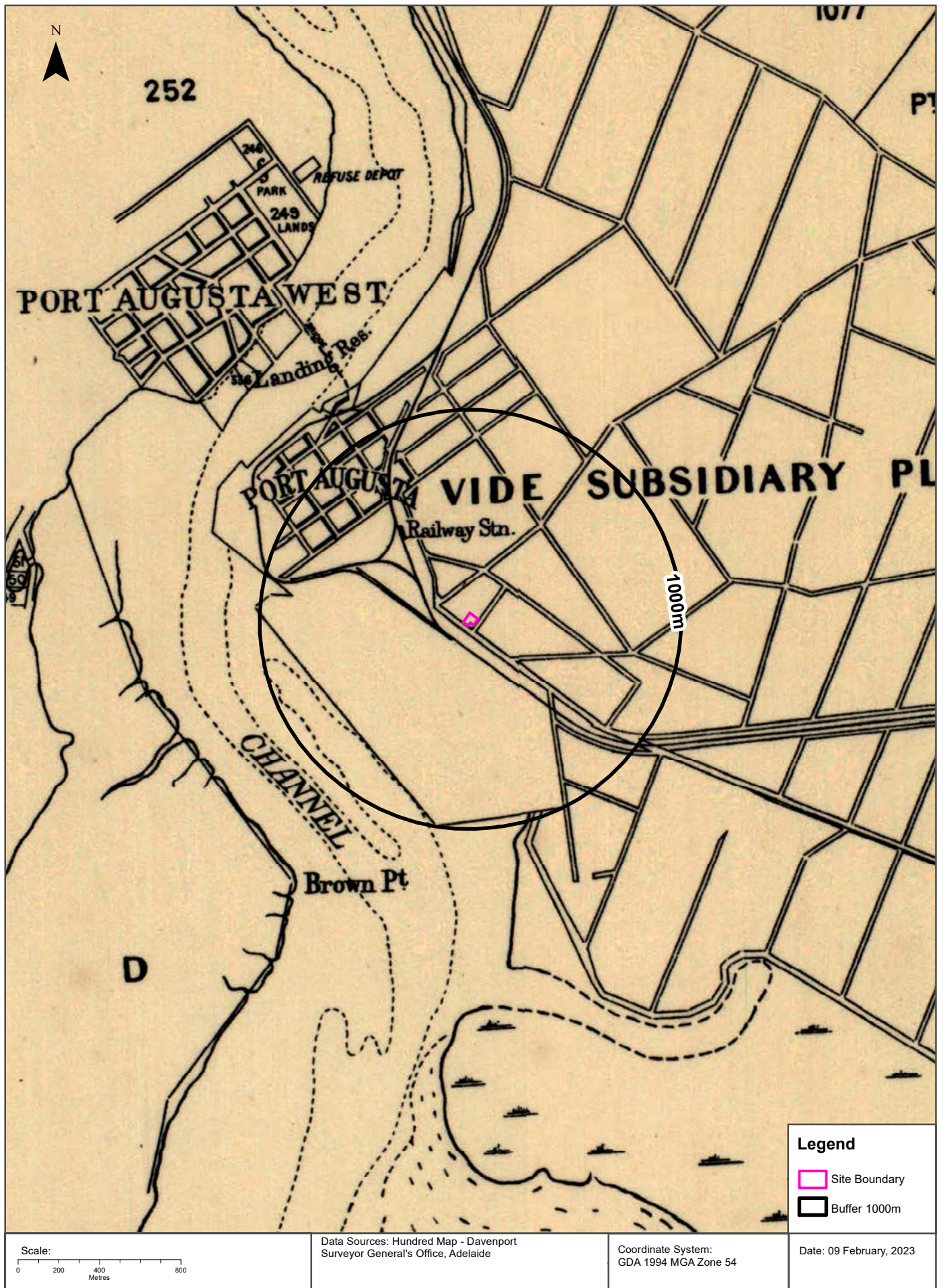
Historical Map 1982

1 Trent Road, Port Augusta, SA 5700



Historical Map 1960

1 Trent Road, Port Augusta, SA 5700



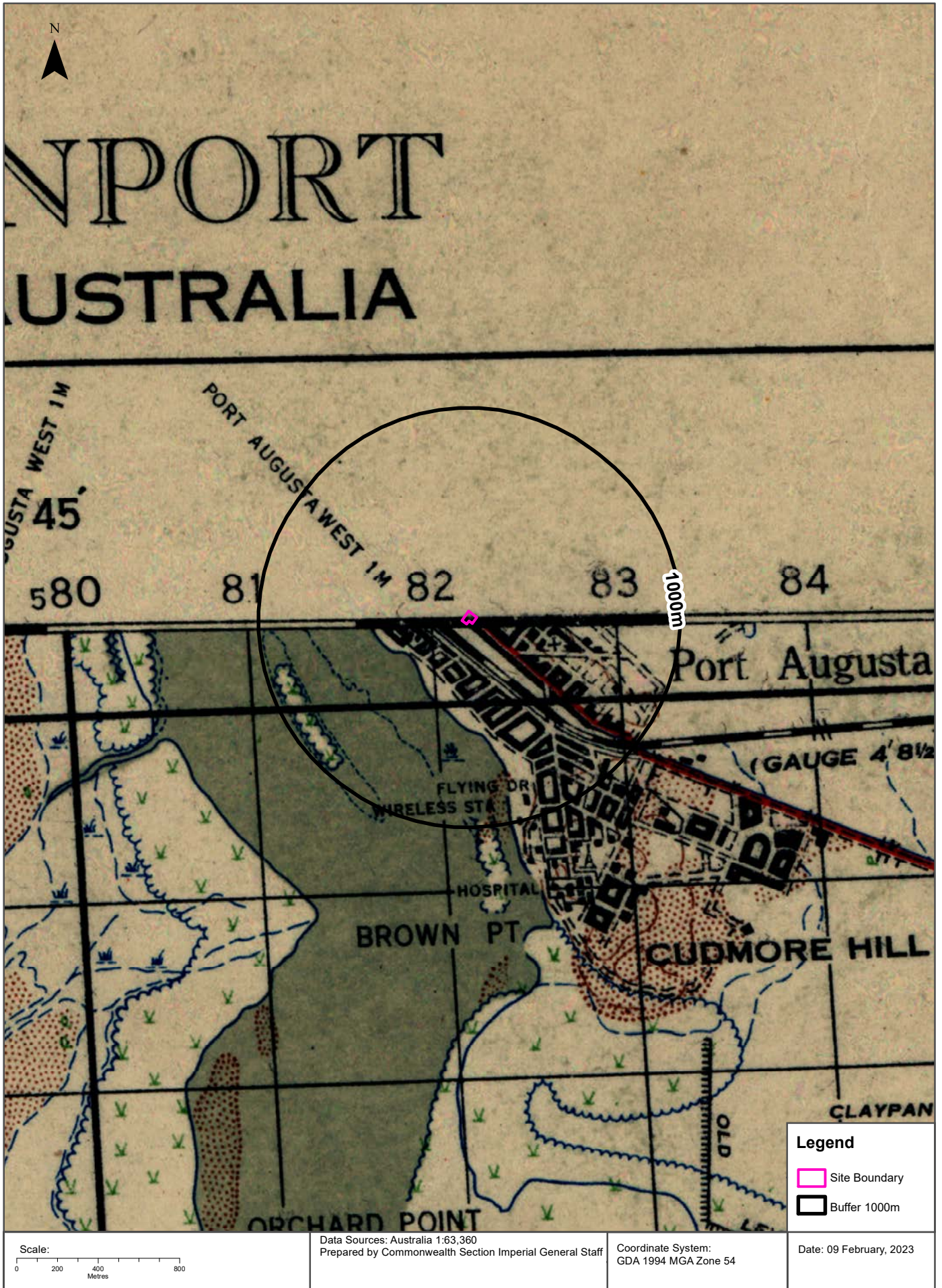
Historical Map c.1958

1 Trent Road, Port Augusta, SA 5700



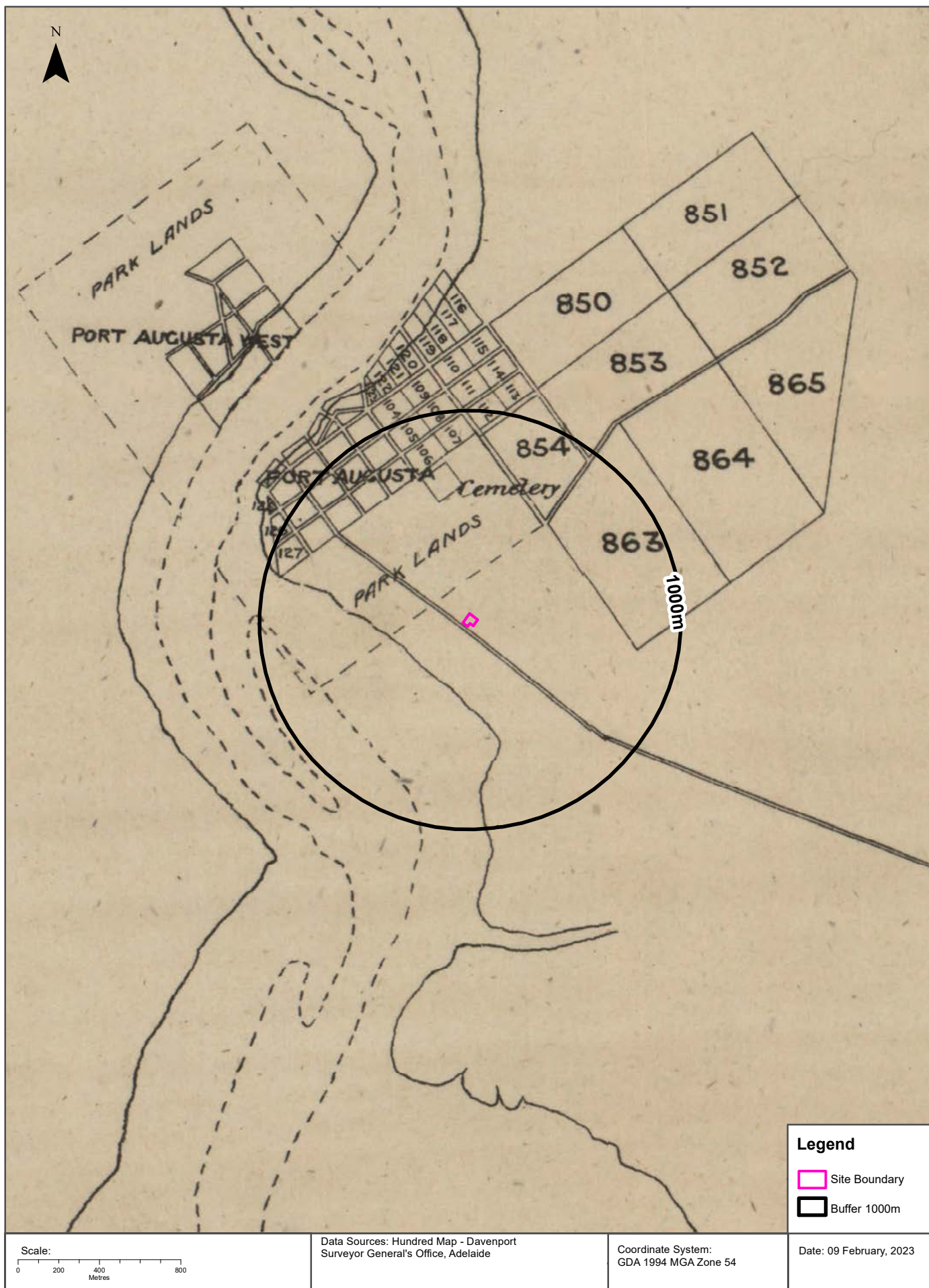
Historical Map c.1955

1 Trent Road, Port Augusta, SA 5700



Historical Map 1874

1 Trent Road, Port Augusta, SA 5700



Mining

1 Trent Road, Port Augusta, SA 5700

Mines and Mineral Deposits

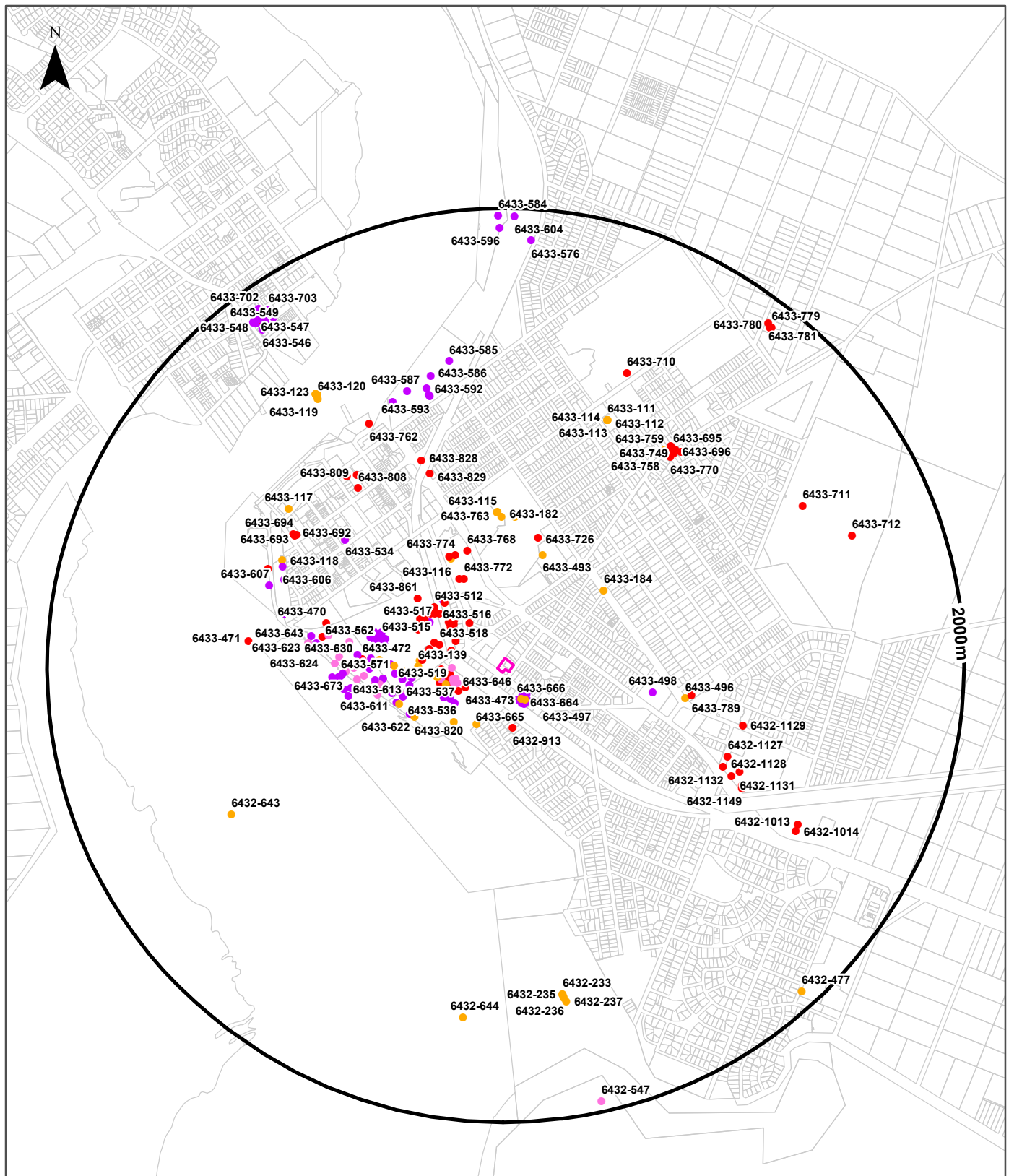
Mines and mineral deposits within the dataset buffer:

Deposit No.	Name	Class	Status	Commodity	Year	Description	Dist	Dir
N/A	No records in buffer							

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

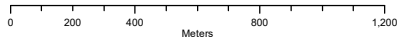
1 Trent Road, Port Augusta, SA 5700



Legend

- Site Boundary
- Buffer 2000m
- Property Boundary
- Domestic
- Drainage
- Investigation
- Irrigation
- Monitoring
- Observation
- Other

Scale:



Data Sources: Property Boundaries - Sourced by Omnalink
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Coordinate System:
GDA 1994 MGA Zone 54

Date: 09 February 2023

Groundwater and Drillholes

1 Trent Road, Port Augusta, SA 5700

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
100	ocean	860m	South West

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	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6433-689	214344	SB/MW27	Backfilled	Monitoring	2005-03-01	4.50		8.79					2.70	2.70	6.09	107m	South East
6433-667	202618	SB/MW8A		Monitoring	2004-09-21	5.00		9.00					2.50	2.50	6.50	125m	South East
6433-666	202617	SB20/MW8		Monitoring	2004-09-21	5.50		9.00					2.30	2.30	6.70	129m	South
6433-690	214345	SB/MW28	Backfilled	Monitoring	2005-03-01	4.50		8.85					2.70	2.70	6.15	131m	South East
6433-757	266733	MW 32	Backfilled			5.00		9.00								132m	South East
6433-664	202615	SB7/MW10		Monitoring	2004-09-21	5.00		9.00					2.50	2.50	6.50	135m	South East
6433-669	202621	SB/MW3		Monitoring	2004-09-21	5.00		8.98					2.50	2.50	6.48	140m	South East
6433-756	266732	MW 30	Backfilled			5.00		8.73								145m	South East
6433-671	202623	SB/MW1		Monitoring	2004-09-21	5.50		8.28					2.40	2.40	5.88	152m	South East
6433-668	202620	SB/MW4A	Backfilled	Monitoring	2004-09-21	5.50		8.13					2.90	2.90	5.23	153m	South East
6433-665	202616	SB23/MW9		Monitoring	2004-09-21	6.80		7.83					2.50	2.50	5.33	158m	South East
6433-670	202622	SB/MW2	Backfilled	Monitoring	2004-09-21	5.50		7.97					2.50	2.50	5.47	158m	South East
6433-473	166839	DNAPL 6		Investigation	1997-09-05	5.50		6.13								165m	South West
6433-661	200844	CPPB 4	Backfilled	Observation	1997-02-22	6.00	3.19						1.80	1.80	1.39	188m	West
6433-658	200841	CPPB 1	Backfilled	Observation	1997-02-17	6.00		7.93					1.84	1.84	6.09	189m	West
6433-646	200829	CPMB 3	Backfilled	Investigation	1996-11-15	5.50	3.32						2.00	2.00	1.32	195m	West
6433-648	200831	CPMB 5	Backfilled	Investigation	1996-11-15	5.00	3.28						2.00	2.00	1.28	198m	South West
6433-663	200846	CPMB 1	Backfilled	Observation	1996-11-14	5.00	3.32						2.00	2.00	1.32	201m	West
6433-660	200843	CPPB 3	Backfilled	Observation	1997-02-22	6.00	3.22						1.80	1.80	1.42	203m	West
6433-659	200842	CPPB 2	Backfilled	Observation	1997-02-18	6.00	3.28						1.89	1.89	1.39	204m	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
6433-497	24562		Operational	Dewatering		4.60		8.04		8402	14500		1.30	1.30	6.74	210m	South East
6433-653	200836	CPMB 10	Backfilled	Investigation	1997-02-11	4.00	3.43						2.00	2.00	1.43	211m	West
6433-862	366344		Dry	Investigation	2022-02-22	5.00										217m	West
6433-864	366346		Dry	Investigation	2022-02-23	8.00										219m	North West
6433-526	191466	BSMB 32		Investigation	2002-04-04	8.20		8.21								220m	North West
6433-647	200830	CPMB 4	Backfilled	Investigation	1996-11-15	5.00	3.43						2.10	2.10	1.33	226m	West
6433-657	200840	CPMB 14	Backfilled	Investigation	1997-02-12	4.00		8.05					2.15	2.15	5.90	226m	West
6433-652	200835	CPMB 9	Backfilled	Investigation	1997-02-11	4.00	3.41						2.00	2.00	1.41	230m	West
6433-527	191467	BSMB 31		Investigation	2002-04-04	6.00		9.68								238m	North West
6433-529	191469	BSMB 30		Investigation	2002-04-04	6.00		9.68								238m	North West
6433-825	302246			Environmental	2017-10-10	5.00										238m	West
6433-528	191468	BSPB 5X		Investigation	2002-04-04	6.00		9.15								243m	North West
6433-525	191465	BSPB 12X		Investigation	2002-04-04	8.10		8.52								244m	North West
6433-537	197297	OFMB 2	Backfilled	Monitoring	1996-11-22	4.10	3.65						2.35	2.35	1.30	244m	South West
6433-649	200832	CPMB 6	Backfilled	Investigation	1996-11-21	4.00	3.54						2.23	2.23	1.31	244m	West
6433-651	200834	CPMB 8	Backfilled	Investigation	1997-02-11	4.00	3.53						2.09	2.09	1.44	247m	West
6433-656	200839	CPMB 13	Backfilled	Investigation	1997-02-12	4.00		8.13					2.15	2.15	5.98	247m	West
6433-650	200833	CPMB 7	Backfilled	Investigation	1997-02-11	4.00	3.46						2.04	2.04	1.42	248m	West
6433-557	200430	OFMB 6	Backfilled	Monitoring	1997-02-17	4.00		9.59					2.38	2.38	7.21	249m	South West
6432-913	166834	DNAPL 5		Investigation	1997-09-04	7.50		6.81								250m	South
6433-662	200845	CPPB 5	Backfilled	Observation	1997-02-22	6.00	3.54						2.13	2.13	1.41	252m	West
6433-556	200429	OFMB 5	Backfilled	Monitoring	1997-02-12	4.00		9.67					2.37	2.37	7.30	254m	South West
6433-819	302244			Environmental	2017-10-10	4.50										257m	South West
6433-524	191464	BSPB 3M		Investigation	2002-04-03	8.00		7.94								258m	North West
6433-523	191463	BSPB 13X		Investigation	2002-04-03	8.20		8.27								259m	North West
6433-558	200431	OFMB 4	Backfilled	Monitoring	1997-02-12	4.00		9.26					2.30	2.30	6.96	260m	South West
6433-645	200828	CPMB 2	Backfilled	Investigation	1996-11-14	6.00	3.29						1.97	1.97	1.32	263m	West
6433-655	200838	CPMB 12	Backfilled	Investigation		4.00	3.42						2.01	2.01	1.41	264m	West
6433-654	200837	CPMB 11	Backfilled	Investigation	1997-02-12	4.00	3.50						2.07	2.07	1.43	265m	West
6433-824	302247			Environmental	2017-10-10	4.50										268m	West
6433-530	191470	BSPB 1X		Investigation	2002-04-05	8.00		8.37								270m	North West
6433-536	197296	OFMB 1	Backfilled	Monitoring	1996-11-21	4.10		9.98					2.37	2.37	7.61	270m	South West
6433-538	197298	OFMB 3	Backfilled	Monitoring	1996-11-22	4.10	3.67						2.34	2.34	1.33	271m	West
6433-522	191462	BSPB 2X		Investigation	2002-04-03	8.00		7.60								274m	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
6433-518	191458	BSMB 33		Investigation	2002-04-02	5.00		7.76								275m	West
6433-531	191471	BSMB 25X		Investigation	2002-04-05	6.00		8.41								279m	North West
6433-521	191461	BSPB 27X		Investigation	2002-04-03	8.00		7.28								280m	North West
6433-520	191460	BSPB 14X		Investigation	2002-04-02	8.00		6.66					3.51	3.51	3.15	294m	North West
6433-858	366340		Dry	Investigation	2022-02-21	5.00										301m	West
6433-818	302245			Environmental	2017-10-10	4.50										307m	South West
6433-732	241467	GMW 10		Investigation	2008-04-01	4.50		7.27					2.50	2.50	4.77	314m	West
6433-519	191459	BSMB 26X		Investigation	2002-04-02	6.00		8.15					3.49	3.49	4.66	335m	West
6433-140	25031	DIESEL WORKSHOP CH 2	Abandoned		1968-10-23	21.95		8.38								346m	West
6433-517	191457	BSPB 29		Investigation	2002-04-02	8.00		8.21								350m	North West
6433-139	25030	DIESEL WORKSHOP CH 1	Abandoned		1968-10-18	25.91		8.80								351m	West
6433-559	200470	FMMB 1	Backfilled	Monitoring	1997-09-03	5.00		6.37					2.96	2.96	3.41	361m	North West
6433-827	301573			Environmental	2017-10-11	4.50							2.50	2.50		362m	West
6433-863	366345		Dry	Investigation	2022-02-23	6.50										363m	North West
6433-516	191456	BSPB 30		Investigation	2002-04-02	6.00		8.58								367m	North West
6433-555	200428	UST2 MB1		Observation	1996-11-22	5.50	4.80						3.73	3.73	1.07	374m	North West
6433-513	191453	BSMB 15M		Investigation	2002-04-01	8.00		9.27								377m	North West
6433-609	200536	UST2MB 2		Monitoring	1997-04-18	5.50	4.78									378m	North West
6433-515	191455	BSPB 31X		Investigation	2002-04-01	8.00		8.79								380m	North West
6433-514	191454	BSPB 7M		Investigation		8.00		9.34								381m	North West
6433-610	200537	UST2MB 3		Monitoring	1997-04-18	5.50	4.87						3.74	3.74	1.13	382m	North West
6433-618	200545	OCMB 8	Backfilled	Monitoring	1997-01-10	4.00		7.09					2.42	2.42	4.67	382m	West
6433-512	191452	BSPB 28		Investigation	2002-04-01	8.00		9.46								385m	North West
6433-731	241466	GMW 11		Investigation	2008-04-01	4.50		7.30					2.50	2.50	4.80	388m	North West
6433-560	200471	FMMB 2	Backfilled	Monitoring	1997-09-04	4.50		7.01					2.68	2.68	4.33	390m	North West
6433-859	366341		Dry	Investigation	2022-02-21	5.00										391m	West
6433-772	274851	SB08/MW 01		Investigation	2011-08-02	12.00		17.32					9.30	9.30	8.02	393m	North West
6433-613	200540	OCMB 3		Monitoring	1997-01-09	4.00		7.30					2.30	2.30	5.00	397m	West
6433-561	200472	FMMB 3	Backfilled	Monitoring	1997-09-04	4.50		6.00					2.68	2.68	3.32	399m	North West
6433-773	274852	SB10/MW 02		Investigation	2011-08-03	12.00		17.97					9.50	9.50	8.47	403m	North West
6433-860	366342		Dry	Investigation	2022-02-22	5.00										408m	North West
6433-614	200541	OCMB 4	Backfilled	Monitoring	1997-01-09	4.00		6.97					2.25	2.25	4.72	423m	West
6433-826	301446			Environmental	2017-10-11	4.50										423m	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
6433-820	302243			Environmental	2017-10-12	5.00										427m	South West
6433-612	200539	OCMB 2	Backfilled	Monitoring	1997-01-09	4.00		6.75					2.48	2.48	4.27	436m	West
6433-554	200427	UST1 MB1		Observation	1996-11-22	4.10	3.52									437m	West
6433-622	200549	OCMB 12	Backfilled	Monitoring	1997-01-10	4.30		10.52					2.40	2.40	8.12	438m	South West
6433-615	200542	OCMB 5	Backfilled	Monitoring	1997-01-10	4.00		7.00					2.15	2.15	4.85	453m	West
6433-619	200546	OCMB 9	Backfilled	Monitoring	1997-01-10	4.00		6.00					2.29	2.29	3.71	455m	West
6433-823	302240			Environmental	2017-10-10	4.50										458m	West
6433-821	302242			Environmental	2017-10-11	5.50										462m	West
6433-861	366343		Dry	Investigation	2022-02-22	5.00										467m	North West
6433-611	200538	OCMB 1	Backfilled	Monitoring	1997-01-09	4.00		7.99					2.52	2.52	5.47	472m	West
6433-617	200544	OCMB 7	Backfilled	Monitoring	1997-01-10	4.00		7.22					2.26	2.26	4.96	474m	West
6433-616	200543	OCMB 6	Backfilled	Monitoring	1997-01-10	4.00		5.69					2.40	2.40	3.29	481m	West
6433-493	137245	PORT AUGUST A 1														489m	North
6433-116	25007	PT AUGUST A HIGH SCHOOL 2	Unknown	Foundations	1967-01-23	17.37		20.15								502m	North West
6433-768	274847	MW 5		Investigation	2012-01-20	13.00		16.61					8.60	8.60	8.01	504m	North
6433-774	274853	SB03/MW 03		Investigation	2011-08-02	13.00		19.06								507m	North West
6433-620	200547	OCMB 10	Backfilled	Monitoring	1997-01-10	4.00		6.87					2.25	2.25	4.62	509m	West
6433-621	200548	OCMB 11	Backfilled	Monitoring		4.00		6.87					2.40	2.40	4.47	509m	West
6433-572	200493	TSPB 1	Backfilled	Monitoring	1997-02-21	6.00	3.07									512m	West
6433-775	274854	SB02/MW 04		Investigation	2011-08-01	12.70		19.60					9.70	9.70	9.90	513m	North West
6433-564	200485	TSMB 3	Backfilled	Monitoring	1996-11-21	4.00	3.04						1.88	1.88	1.16	514m	West
6433-184	25075	DRAINAGE DAM	Operational	Exploration; Observation	1982-12-17	8.50		8.67					2.30	2.30	6.37	516m	North East
6433-565	200486	TSMB 4	Backfilled	Monitoring	1996-11-21	4.10	3.00						1.70	1.70	1.30	521m	West
6433-822	302241			Environmental	2017-10-10	4.50										524m	West
6433-638	200821	LFMB 16	Backfilled	Observation	1997-02-10	4.00	3.34						2.08	2.08	1.26	526m	West
6433-575	200496	TSPB 4	Backfilled	Monitoring	1997-02-21	6.00	2.92						1.64	1.64	1.28	532m	West
6433-562	200483	TSMB 1	Backfilled	Monitoring	1996-11-19	4.30	3.36						2.06	2.06	1.30	537m	West
6433-568	200489	TSMB 7	Backfilled	Monitoring		4.00	3.10						1.86	1.86	1.24	539m	West
6433-573	200494	TSPB 2	Backfilled	Monitoring	1997-02-21	6.00	2.94						1.68	1.68	1.26	539m	West
6433-629	200812	LFMB 7	Backfilled	Observation	1996-11-15	4.10	2.68									544m	West
6433-639	200822	LFMB 17	Backfilled	Monitoring	1997-02-10	4.00	3.24						1.99	1.99	1.25	545m	West
6433-634	200817	LFMB 12	Backfilled	Observation	1996-11-18	4.30	3.19									548m	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
6433-563	200484	TSMB 2	Backfilled	Monitoring	1996-11-21	4.20	3.06									550m	West
6433-726	238562		Backfilled	Investigation	2007-06-01	27.00		15.00								551m	North
6433-566	200487	TSMB 5	Backfilled	Monitoring		4.00	3.01						1.79	1.79	1.22	555m	West
6433-567	200488	TSMB 6	Backfilled	Monitoring		4.10	3.11									557m	West
6433-642	200825	LFMB 20	Backfilled	Monitoring	1997-02-12	4.00	3.57						2.36	2.36	1.21	561m	West
6433-640	200823	LFMB 18	Backfilled	Monitoring	1997-02-10	4.00	3.13						1.92	1.92	1.21	567m	West
6433-574	200495	TSPB 3	Backfilled	Monitoring	1997-02-21	6.00	3.02						1.81	1.81	1.21	569m	West
6433-570	200491	TSMB 9	Backfilled	Monitoring		5.00	2.91									572m	West
6433-628	200811	LFMB 6	Backfilled	Observation	1996-11-15	4.00	2.51									578m	West
6433-569	200490	TSMB 8	Backfilled	Monitoring		5.00	3.06						1.90	1.90	1.16	579m	West
6433-635	200818	LFMB 13	Backfilled	Observation	1996-11-19	4.30	3.81									592m	West
6433-633	200816	LFMB 11	Backfilled	Observation	1996-11-18	5.00	3.19									596m	West
6433-472	166838	DNAPL 4		Investigation	1997-09-04	5.00		5.89								601m	West
6433-641	200824	LFMB 19	Backfilled	Monitoring	1997-02-10	4.00	3.68						2.59	2.59	1.09	623m	West
6433-627	200810	LFMB 5	Backfilled	Observation	1996-11-15	4.00	2.52									625m	West
6433-182	25073	CENTRAL PARK	Operational	Exploration; Observation	1982-12-17	8.50		13.09					2.94	2.94	10.15	627m	North
6433-743	247089				2009-02-14	43.00		19.00				0.250	25.00	25.00	-6.00	627m	North
6433-498	172390	PO 1		Monitoring	1998-10-01	6.00		9.13	7.50	29742	46123		3.89	3.89	5.24	630m	East
6433-636	200819	LFMB 14	Backfilled	Observation	1996-11-19	4.30	3.06									635m	West
6433-115	25006	PT AUGUST A HIGH SCHOOL 1	Unknown	Foundations	1967-01-27	16.15		13.10								648m	North
6433-763	269265	MW 3			2011-07-13	10.00		12.93		21032	33900		8.50	8.50	4.43	649m	North
6433-673	203294	SAMB 2	Backfilled	Monitoring		4.00		4.44					1.80	1.80	2.64	657m	West
6433-632	200815	LFMB 10	Backfilled	Observation	1996-11-18	4.30	2.84									666m	West
6433-626	200809	LFMB 4	Backfilled	Observation	1996-11-15	4.30	2.52									671m	West
6433-677	203298	SAMB 6	Backfilled	Monitoring	1996-12-13	4.00		4.01					2.00	2.00	2.01	673m	West
6433-672	203293	SAMB 1	Backfilled	Monitoring	1996-12-12	4.20		5.21					2.40	2.40	2.81	686m	West
6433-678	203299	SAMB 7	Backfilled	Monitoring	1996-12-13	4.20		4.97					1.80	1.80	3.17	686m	West
6433-571	200492	TSMB 10	Backfilled	Monitoring	1997-02-22	4.00	3.13									694m	West
6433-637	200820	LFMB 15	Backfilled	Observation	1996-11-18	4.30	3.20									704m	West
6433-675	203296	SAMB 4	Backfilled	Monitoring	1996-12-12	4.20		4.97					2.00	2.00	2.97	705m	West
6433-674	203295	SAMB 3	Backfilled	Monitoring		4.00		4.90					2.00	2.00	2.90	707m	West
6433-625	200808	LFMB 3	Backfilled	Observation	1996-11-15	4.30	2.50									720m	West
6433-676	203297	SAMB 5	Backfilled	Monitoring	1996-12-12	4.20		3.99					2.00	2.00	1.99	734m	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
6433-630	200813	LFMB 8	Backfilled	Observation	1996-11-18	4.10	2.95									763m	West
6433-496	24569		Operational	Exploration; Observation		8.50		12.47					2.54	2.54	9.93	776m	East
6433-631	200814	LFMB 9	Backfilled	Observation	1996-11-18	4.30	2.44									777m	West
6433-470	166836	DNAPL 2		Investigation	1997-09-04	4.50		1.68								785m	West
6433-469	166835	DNAPL 1		Investigation	1997-09-03	5.50		5.91								788m	West
6433-788	280370	GMW 318		Investigation	2014-03-04	7.00		15.54					6.20	6.20	9.34	792m	East
6433-624	200628	LFMB 2	Backfilled	Observation		4.30	2.40									798m	West
6433-789	280371	GMW 319		Investigation		6.00		13.62					5.00	5.00	8.62	802m	East
6433-644	200827	LFMB 22	Backfilled	Monitoring	1997-02-12	4.00	3.05						2.00	2.00	1.05	811m	West
6433-643	200826	LFMB 21	Backfilled	Monitoring	1997-02-12	4.00	3.41						2.88	2.88	0.53	838m	West
6433-623	200627	LFMB 1	Backfilled	Observation		4.00	2.45									848m	West
6433-535	197141	MW 1A		Monitoring	2003-03-05	6.00		9.02								882m	North West
6433-534	197140	MW 3A			2003-03-05	6.00		9.22								885m	North West
6433-829	325619			Investigation	2019-08-13	20.00										886m	North
6433-533	197139	MW 5A		Monitoring	2003-03-05	6.00		9.59								890m	North West
6433-828	325597			Investigation	2019-08-12	19.00										952m	North
6433-679	205947			Monitoring	2005-07-14	5.20		4.79		23637	37600		2.35	2.35	2.44	971m	West
6433-808	298242	MW 32		Investigation	2017-06-17	4.60		8.94					2.60	2.60	6.34	996m	North West
6433-608	200535	FSMB 1	Backfilled	Monitoring	1998-03-25	4.50		5.37								1024 m	West
6432-1127	277900	GW 313		Investigation	2013-09-30	5.50		13.78					4.50	4.50	9.28	1033 m	East
6432-1128	277901	GW 314		Investigation	2013-09-30	7.00		14.34					5.10	5.10	9.24	1034 m	South East
6433-809	298243	MW 33		Investigation	2017-06-17	5.00		8.14					3.00	3.00	5.14	1045 m	North West
6432-1129	277902			Investigation	2013-10-01	5.00		8.06					2.60	2.60	5.46	1052 m	East
6433-606	200533	FSMB 2	Backfilled	Monitoring	1998-03-25	4.60		5.78								1054 m	North West
6433-118	25009	TRENCH DEWATER PU 28			1979-09-01	7.80		6.44					1.30	1.30	5.14	1068 m	North West
6433-810	298244	MW 34		Investigation	2017-06-17	4.60		6.88					2.00	2.00	4.88	1069 m	North West
6433-693	228439	SB/MW 4		Investigation	2006-12-13	5.00		9.00					3.00	3.00	6.00	1070 m	North West
6433-692	228438	SB/MW 1		Investigation	2006-12-12	5.00		9.00					3.20	3.20	5.80	1076 m	North West
6433-607	200534	FSMB 3	Backfilled	Monitoring	1998-03-25	4.60		4.54								1077 m	West
6433-694	228440	SB/MW 12		Investigation	2006-12-13	5.00		9.00								1084 m	North West
6432-1132	280369	MW 317		Investigation		8.00		15.01					6.60	6.60	8.41	1086 m	South East
6433-764	269266	MW 2		Investigation	2011-07-12	6.00		4.31		45430	64900		2.40	2.40	1.91	1109 m	West
6432-1131	280368	GW 316		Investigation		7.00		14.07					5.00	5.00	9.07	1112 m	South East
6433-471	166837	DNAPL 3		Investigation	1997-09-04	5.00		0.00								1112 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
6433-758	266951	MW 14	Backfilled		2011-08-16	10.00	10.32	10.40					8.00	8.08	2.32	1140 m	North East
6432-1148	289452	GW 320		Investigation	2016-04-28	9.00		16.02					6.20	6.20	9.82	1147 m	South East
6433-771	274850	MW 20	Backfilled	Investigation	2012-07-11	12.00		14.79					8.30	8.30	6.49	1150 m	North East
6432-1149	289453	GW 321		Investigation	2016-04-28	9.00		15.55					5.75	5.75	9.80	1154 m	South East
6433-111	25002	PT AUGUST A PRIMARY SCHOOL 1	Abandoned	Foundations	1964-11-19	25.30		10.96		1710	28125					1154 m	North East
6433-112	25003	PT AUGUST A PRIMARY SCHOOL 2	Unknown		1964-12-16	12.19		10.96		1710	28125		3.05	3.05	7.91	1154 m	North East
6433-113	25004	PT AUGUST A PRIMARY SCHOOL 3	Unknown		1965-01-22	12.50		10.96								1154 m	North East
6433-114	25005	PT AUGUST A PRIMARY SCHOOL 4	Unknown	Foundations	1965-01-29	26.82		10.96								1154 m	North East
6433-770	274849	MW 19	Backfilled	Investigation	2012-07-11	12.00		15.51					9.20	9.20	6.31	1156 m	North East
6433-760	266953	MW 16	Backfilled	Investigation	2011-08-15	10.50		15.34					8.50	8.50	6.84	1161 m	North East
6433-759	266952	WM 15			2011-08-16	10.50	9.79	9.91								1163 m	North East
6433-117	25008	TRENCH DEWATER PU 27			1979-09-01	6.00		8.13				0.120	0.50	0.50	7.63	1167 m	North West
6433-769	274848	MW 18	Backfilled	Investigation	2012-07-12	12.00		16.37					9.40	9.40	6.97	1177 m	North East
6433-748	262030	MW 9	Backfilled	Investigation	2010-08-31	12.00		15.56					10.00	10.00	5.56	1179 m	North East
6433-751	262033		Backfilled	Investigation	2010-09-01	12.00		15.29					10.00	10.00	5.29	1181 m	North East
6433-697	228443	SB/MW 8	Backfilled	Investigation	2007-01-10	14.00		15.73					9.60	9.60	6.13	1184 m	North East
6433-696	228442	SB/MW 7	Backfilled	Investigation	2007-01-10	14.00		16.22					9.70	9.70	6.52	1189 m	North East
6433-695	228441	SB/MW 4	Backfilled	Investigation	2007-01-09	14.00		15.58					9.10	9.10	6.48	1190 m	North East
6433-750	262032		Backfilled	Investigation	2010-09-01	12.00		15.39					10.00	10.00	5.39	1192 m	North East
6433-761	266954	MW 17	Backfilled	Investigation	2011-08-16	10.50	10.20	10.25					8.50	8.55	1.70	1196 m	North East
6433-749	262031			Investigation	2010-08-31	12.00		16.33					10.00	10.00	6.33	1198 m	North East
6433-762	266962	MW 1		Investigation	2011-07-12	6.00		7.26		8788	15110		2.90	2.90	4.36	1200 m	North West
6433-752	262034			Investigation	2010-09-02	11.00		18.28					9.00	9.00	9.28	1202 m	North East
6433-593	200520	RHMB 18	Backfilled	Monitoring	1997-04-22	6.00	4.83						4.01	4.01	0.82	1211 m	North
6433-605	200532	RHMB 30	Backfilled	Monitoring	1997-09-04	6.00	4.72						3.90	3.90	0.82	1218 m	North
6433-588	200515	RHMB 13	Backfilled	Monitoring	1997-04-18	6.00	4.27						3.72	3.72	0.55	1242 m	North West
6433-592	200519	RHMB 17	Backfilled	Monitoring	1997-04-22	6.00	4.61						3.78	3.78	0.83	1248 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
6433-587	200514	RHMB 12	Backfilled	Monitoring	1997-04-17	6.00	4.60						3.79	3.79	0.81	1262 m	North
6433-586	200513	RHMB 11		Monitoring	1997-04-17	6.00	4.77						3.84	3.84	0.93	1297 m	North
6433-585	200512	RHMB 10	Backfilled	Monitoring	1997-04-17	6.00	4.96						4.01	4.01	0.95	1341 m	North
6432-643	24736	SG 59	Unknown		1977-05-23	0.32	-6.10									1347 m	South West
6433-710	234199		Backfilled	Investigation	2007-08-31	49.00		11.64								1377 m	North East
6433-119	25010	PROPOSED ROAD BRIDGE 1	Abandoned		1926-01-25	23.31		0.00					3.66	3.66	-3.66	1419 m	North West
6433-120	25011	PROPOSED ROAD BRIDGE 2	Abandoned		1926-01-26	22.70		0.00								1426 m	North West
6433-127	25018	PROPOSED ROAD BRIDGE 9	Abandoned		1926-02-02	22.56		0.00								1436 m	North West
6433-128	25019	PT. AUGUST A HIGHWAY BRIDGE 3548	Abandoned		1968-06-11	35.05		0.00								1436 m	North West
6433-123	25014	PROPOSED ROAD BRIDGE 5			1926-01-29	24.08		0.00								1437 m	North West
6433-124	25015	PROPOSED ROAD BRIDGE 6	Abandoned		1926-01-30	19.65		0.00								1437 m	North West
6433-125	25016	PROPOSED ROAD BRIDGE 7	Abandoned		1926-01-30	18.29		0.00								1437 m	North West
6433-121	25012	PROPOSED ROAD BRIDGE 3	Abandoned		1926-01-26	20.87		0.00								1438 m	North West
6433-122	25013	PROPOSED ROAD BRIDGE 4	Abandoned		1926-01-28	21.34		0.00								1438 m	North West
6433-126	25017	PROPOSED ROAD BRIDGE 8	Abandoned		1926-02-01	19.81		0.00								1438 m	North West
6433-129	25020	PORT AUGUST A HIGHWAY BRIDGE 3333	Abandoned		1968-09-25	16.15		0.00								1438 m	North West
6433-130	25021	PORT AUGUST A HIGHWAYS BRIDGE 3032	Abandoned		1968-08-03	19.81		0.00								1438 m	North West
6433-133	25024	PORT AUGUST A HIGHWAY BRIDGE 2516	Abandoned		1968-09-20	25.91		0.00								1440 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
6433-136	25027	PORT AUGUST A RAILWAY BRIDGE 2086	Abandoned		1968-09-12	28.96		0.00								1440 m	North West
6433-138	25029	PORT AUGUST A HIGHWAY BRIDGE 1484	Abandoned		1968-05-14	37.09		0.00								1440 m	North West
6433-131	25022	PORT AUGUST A HIGHWAYS BRIDGE 2860	Abandoned		1968-08-20	25.91		0.00								1441 m	North West
6433-132	25023	PORT AUGUST A RAILWAY BRIDGE 2688	Unknown		1968-07-19	27.13		0.00								1441 m	North West
6433-134	25025	PORT AUGUST A RAILWAY BRIDGE 2430	Abandoned		1968-08-19	24.38		0.00								1441 m	North West
6433-135	25026	PORT AUGUST A RAILWAY BRIDGE 2258	Abandoned		1968-06-21	15.85		0.00								1441 m	North West
6433-137	25028	PORT AUGUST A HIGHWAYS BRIDGE 1828	Abandoned		1968-06-01	42.06	4.50	4.50								1441 m	North West
6432-1013	241468	REM MW 2		Investigation	2008-04-01	4.50		8.80					2.50	2.50	6.30	1449 m	South East
6432-233	24326	PT AUGUST A HOSPITAL 1	Unknown		1966-09-29	30.48		2.00								1453 m	South
6432-1014	241469	REM MW 1		Investigation	2008-04-01	6.00		9.00					4.00	4.00	5.00	1455 m	South East
6432-234	24327	PT AUGUST A HOSPITAL 5	Unknown		1966-10-12	9.45		2.00								1455 m	South
6433-711	234230		Backfilled	Investigation	2007-08-30	12.00		11.31								1464 m	North East
6432-235	24328	PT AUGUST A HOSPITAL 2	Unknown		1966-10-04	17.68		2.06								1466 m	South
6432-236	24329	PT AUGUST A HOSPITAL 3	Unknown		1966-10-06	4.57		2.12								1470 m	South
6432-237	24330	PT AUGUST A HOSPITAL 4	Unknown		1966-09-23	14.63		2.11								1488 m	South
6432-644	24737	SG 60	Unknown		1977-05-23	0.20	-5.10									1545 m	South

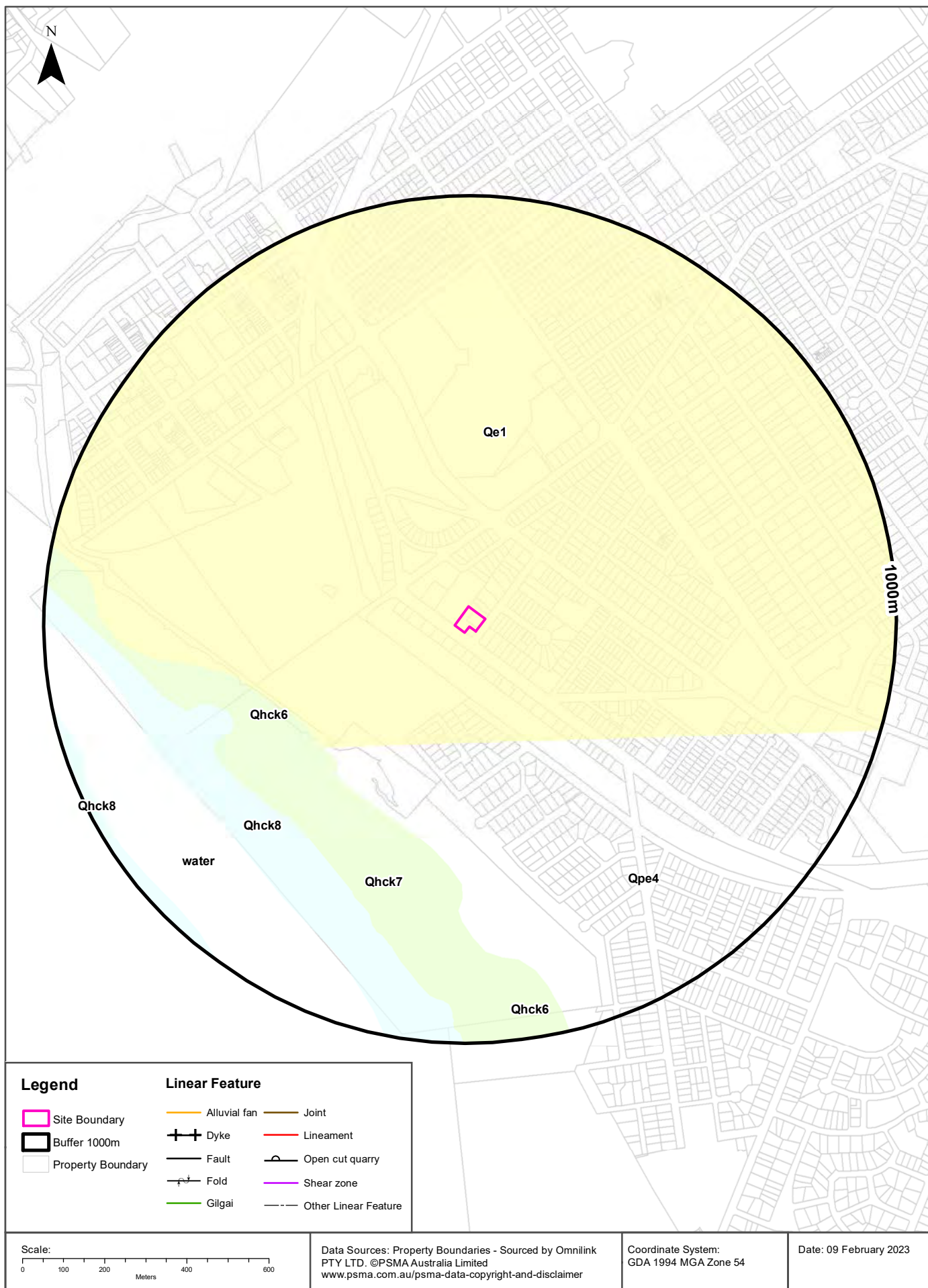
Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6433-712	234231		Backfilled	Investigation		15.00		14.32								1610 m	East
6433-546	200109	SB/MW8		Monitoring	2004-05-20	4.50		5.75					2.20	2.20	3.55	1812 m	North West
6433-549	200112	SB/MW28		Monitoring	2004-05-20	4.50		6.85					2.40	2.40	4.45	1822 m	North West
6433-706	229674	SB/MW 38		Monitoring	2005-11-25	5.00		6.68					1.60	1.60	5.08	1830 m	North West
6433-716	236652	MPE 6		Monitoring	2005-12-17	6.00		7.02					2.20	2.20	4.82	1835 m	North West
6433-717	236653	MPE 5		Monitoring	2005-12-16	6.00		6.88					2.50	2.50	4.38	1835 m	North West
6433-719	236657	SPG 3		Monitoring	2005-12-16	4.50		7.14					2.10	2.10	5.04	1846 m	North West
6433-705	229673	SB/MW 37		Monitoring	2005-11-24	5.00		5.12					1.70	1.70	3.42	1851 m	North West
6433-548	200111	SB/MW11		Monitoring	2004-05-20	4.50		7.89					2.60	2.60	5.29	1852 m	North West
6433-551	200114	SB/MW3		Investigation	2004-04-20	4.50		7.48					2.70	2.70	4.78	1852 m	North West
6433-550	200113	SB/MW1		Investigation	2004-04-20	4.60	3.51	3.80					2.75	3.04	0.76	1857 m	North West
6433-576	200503	RHMB 1	Backfilled	Monitoring	1997-04-16	4.00	4.16						3.10	3.10	1.06	1858 m	North West
6433-684	214339	MW 32		Investigation	2005-02-22	4.60		7.06					2.70	2.70	4.36	1858 m	North West
6433-680	214335	AS 1A		Monitoring	2005-02-23	4.50		7.42					3.00	3.00	4.42	1859 m	North West
6433-681	214336	RW 1A		Monitoring	2005-02-23	6.00		7.45					3.30	3.30	4.15	1860 m	North West
6433-682	214337	MW 29		Monitoring	2005-02-24	4.50		7.82					3.00	3.00	4.82	1861 m	North West
6433-547	200110	SB/MW10		Monitoring	2004-05-20	4.50		8.38					2.50	2.50	5.88	1862 m	North West
6433-552	200115	SB/MW4		Investigation	2004-04-20	5.00		7.54					2.70	2.70	4.84	1863 m	North West
6433-718	236655	SPG 4		Monitoring	2005-12-16	4.50		7.33					2.10	2.10	5.23	1867 m	North West
6433-715	236651	MPE 8		Monitoring	2005-12-17	6.00		7.52					2.10	2.10	5.42	1868 m	North West
6433-720	236658	SPG 2		Monitoring	2005-12-15	4.50		8.23				0.000 0	2.20	2.20	6.03	1869 m	North West
6433-704	229672	SB/MW 36		Monitoring	2005-11-24	5.00		5.91					2.10	2.10	3.81	1870 m	North West
6433-553	200116	SB/MW5		Investigation	2004-04-20	5.00		7.15					2.60	2.60	4.55	1871 m	North West
6433-703	229671	SB/MW 35		Monitoring	2005-11-24	5.00		5.91					2.10	2.10	3.81	1871 m	North West
6433-685	214340	MW 30		Investigation	2005-02-22	4.50		7.69					2.50	2.50	5.19	1872 m	North West
6433-683	214338	MW 31		Monitoring	2005-02-22	4.60		6.92					2.40	2.40	4.52	1873 m	North West
6433-701	229669	SB/MW 33		Monitoring	2005-11-23	5.00		6.57					2.20	2.20	4.37	1878 m	North West
6433-780	278470	MW 2		Investigation	2013-08-06	14.50		15.39					10.50	10.50	4.89	1882 m	North East
6433-779	278469	MW 1		Investigation	2013-08-06	12.00		15.08					10.50	10.50	4.58	1885 m	North East
6433-781	278471	MW 3		Investigation	2013-08-06	12.00		15.33					10.50	10.50	4.83	1891 m	North East
6433-702	229670	SB/MW 34		Monitoring	2005-11-23	4.50		6.17					2.20	2.20	3.97	1898 m	North West
6433-596	200523	RHMB 21	Backfilled	Monitoring	1997-04-23	6.00	3.74						2.59	2.59	1.15	1911 m	North West
6432-477	24570		Operational	Exploration; Observation		8.50		10.64					2.87	2.87	7.77	1927 m	South East
6432-547	24640		Operational	Observation	1988-09-13	1.33		4.50	7.20	1056 84	1243 34		0.92	0.92	3.58	1955 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
6433-604	200531	RHMB 29	Backfilled	Monitoring	1997-09-03	6.00	4.15						3.02	3.02	1.13	1963 m	North
6433-584	200511	RHMB 9	Backfilled	Monitoring	1997-04-17	4.00	4.13						3.07	3.07	1.06	1965 m	North

Drillholes Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Geology 1:100,000

1 Trent Road, Port Augusta, SA 5700



Geology

1 Trent Road, Port Augusta, SA 5700

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
Qe1	Unnamed GIS Unit - see description	Quaternary dunefield sands.	Unnamed GIS Unit - see description	UNKNOWN	PLEISTOCENE-HOLOCENE	Quaternary	Quaternary	0m	On-site
Qpe4	Unnamed GIS Unit - see description	Pleistocene coastal plain dune sand.	Unnamed GIS Unit - see description	UNKNOWN	PLEISTOCENE	Pleistocene	Pleistocene	269m	South East
Qhck6	Unnamed GIS Unit - see description	Carbonate/terrigenous mud of samphire-algal marsh.	Saint Kilda Formation	UNKNOWN	HOLOCENE	Holocene	Holocene	435m	South West
Qhck7	Unnamed GIS Unit - see description	Organic/terrigenous mud of mangrove woodland.	Saint Kilda Formation	UNKNOWN	HOLOCENE	Holocene	Holocene	468m	South West
Qhck8	Unnamed GIS Unit - see description	Shelly/quartz muddy sand of intertidal flats; bare or Zostera-colonised. Veneered by cobbles and gravel in western upper Spencer Gulf.	Saint Kilda Formation	UNKNOWN	HOLOCENE	Holocene	Holocene	586m	South West
water								744m	South West

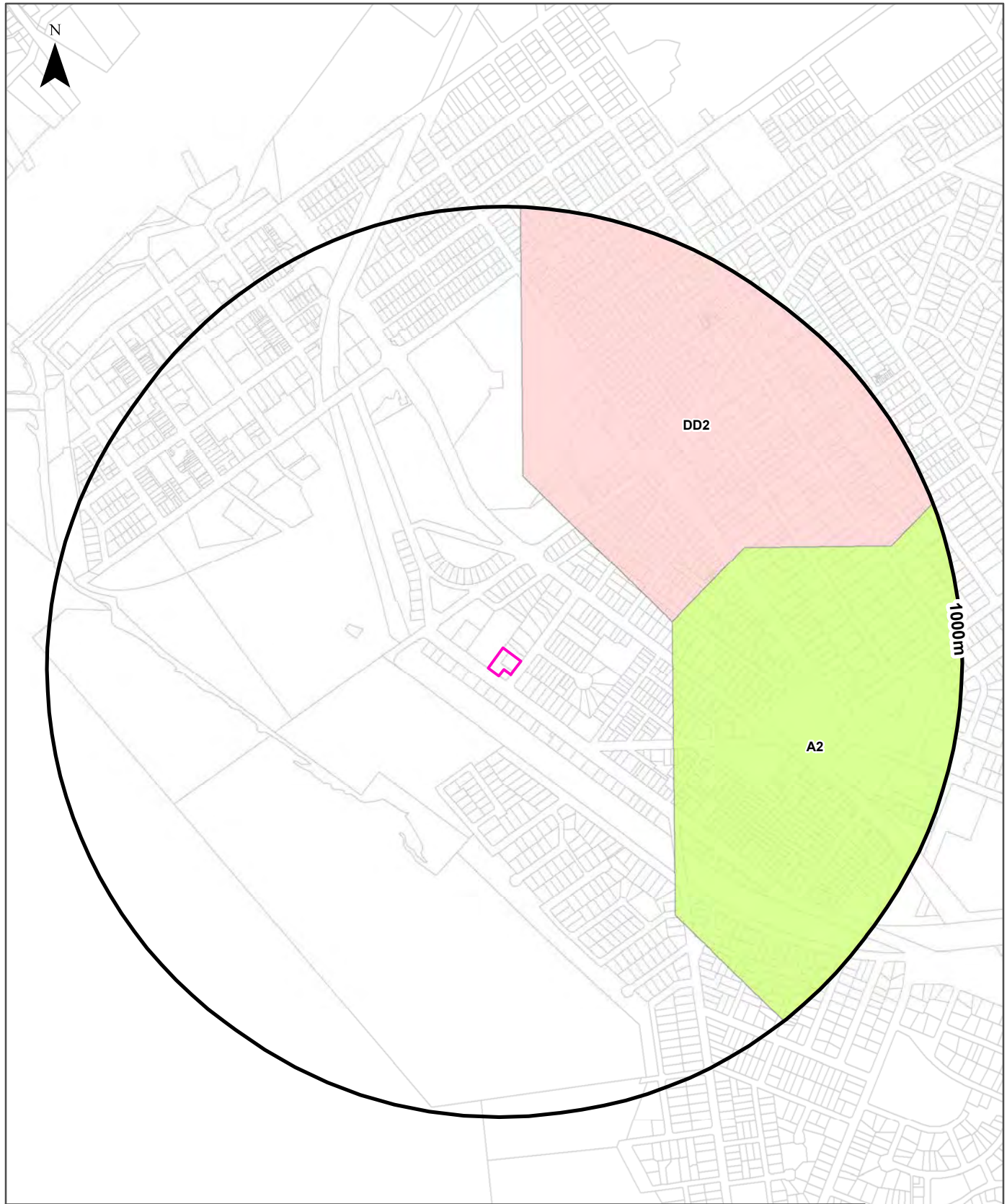
Geology Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Linear Structures 1:100,000

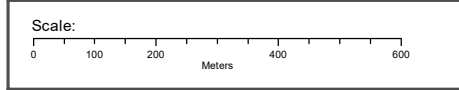
Linear geological structures within the dataset buffer:

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		Australian Soil Classification Orders					
Site Boundary	Anthroposol	Dermosol	Kandosol	Podosol	Tenosol	No Data	
Buffer 1000m	Calcarosol	Ferrosol	Kurosol	Rudosol	Vertosol		
Property Boundary	Chromosol	Hydrosol	Organosol	Sodosol	Lake		



Data Sources: Property Boundaries - Sourced by Omnilink PTY LTD. ©PSMA Australia Limited
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Coordinate System:
 GDA 1994 MGA Zone 54

Date: 09 February 2023

Soils

1 Trent Road, Port Augusta, SA 5700

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
DD2	Calcarosol	Plains with more or less isolated tracts of dunes: broad plains of brown calcareous earths (especially Gc1.12) with areas of exposed caliche and crusty loamy soils (Dr1.33), (Dr1.43), and (Dr1.13), with clay pans, saline soils (unclassified), swamps, and intermittent lakes in the lower-lying portions; also dunes of brown sands (Uc5.1) and brown calcareous earths (Gc1.22).	303m	North East
A2	Rudosol	Coastal dunes and plains with some swamps: dunes of calcareous sands (Uc1.11) and also siliceous sands (Uc1.22); plains of various saline soils (unclassified) and lesser areas of brown calcareous earths (Gc1.1 and Gc1.2).	343m	East

Atlas of Australian Soils Data Source: CSIRO

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Atlas of Australian Acid Sulfate Soils

1 Trent Road, Port Augusta, SA 5700



Acid Sulfate Soils

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Atlas of Australian Acid Sulfate Soils

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

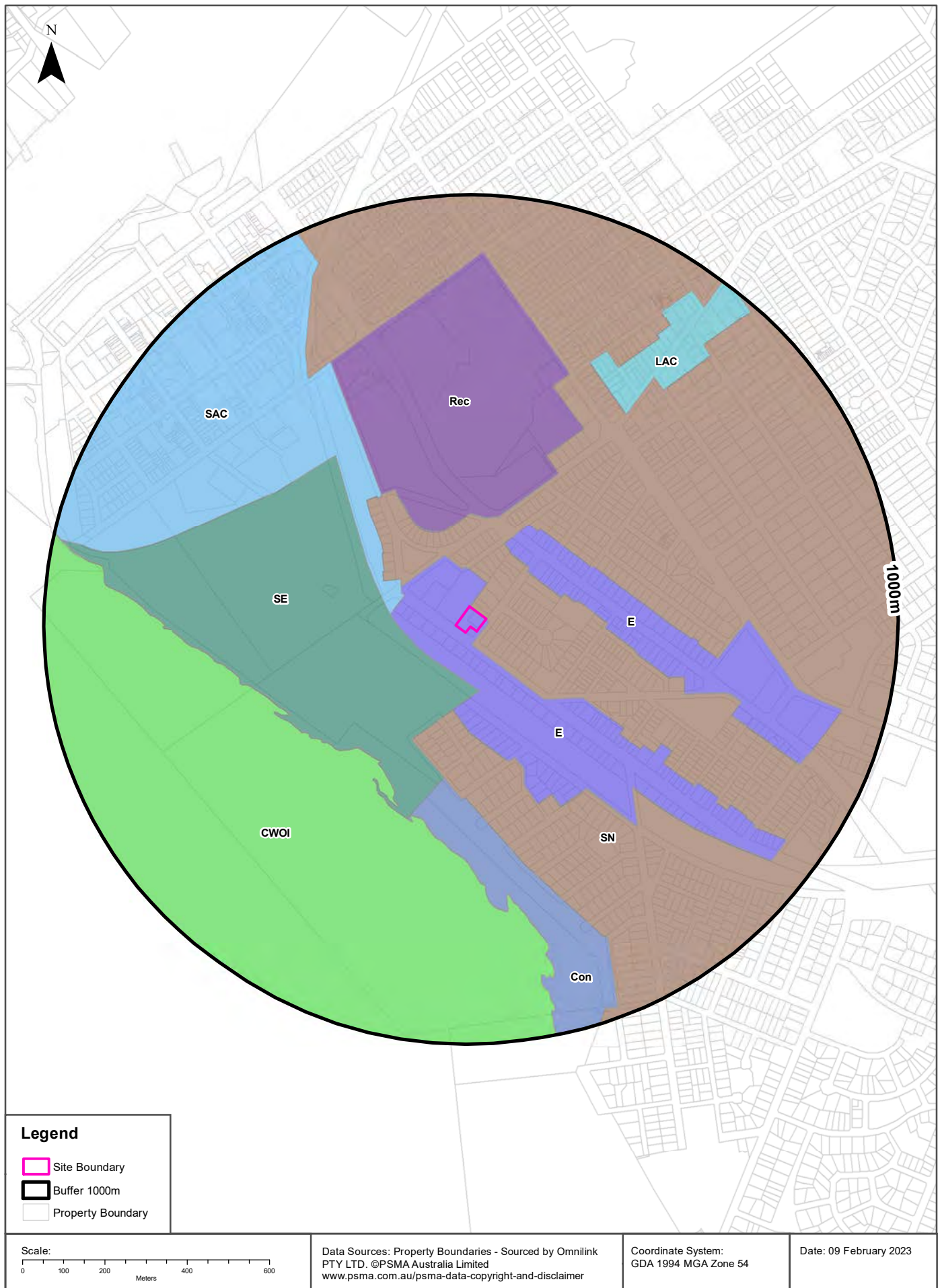
Class	Description	Distance	Direction
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	303m	North East
A	High Probability of occurrence. >70% chance of occurrence.	348m	South
B	Low Probability of occurrence. 6-70% chance of occurrence.	365m	South West

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Planning and Design Code Zones

1 Trent Road, Port Augusta, SA 5700



Planning

1 Trent Road, Port Augusta, SA 5700

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
SN	Z5707	Suburban Neighbourhood	19/03/2021		0 0m	East
SE	Z5720	Strategic Employment	19/03/2021		0 99m	West
SAC	Z5705	Suburban Activity Centre	19/03/2021		0 145m	North West
E	Z1501	Employment	19/03/2021		0 153m	East
Rec	Z5401	Recreation	19/03/2021		0 195m	North
Con	Z0904	Conservation	19/03/2021		0 356m	South
CWOI	Z0902	Coastal Waters and Offshore Islands	19/03/2021		0 372m	South West
LAC	Z3603	Local Activity Centre	19/03/2021		0 602m	North East

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

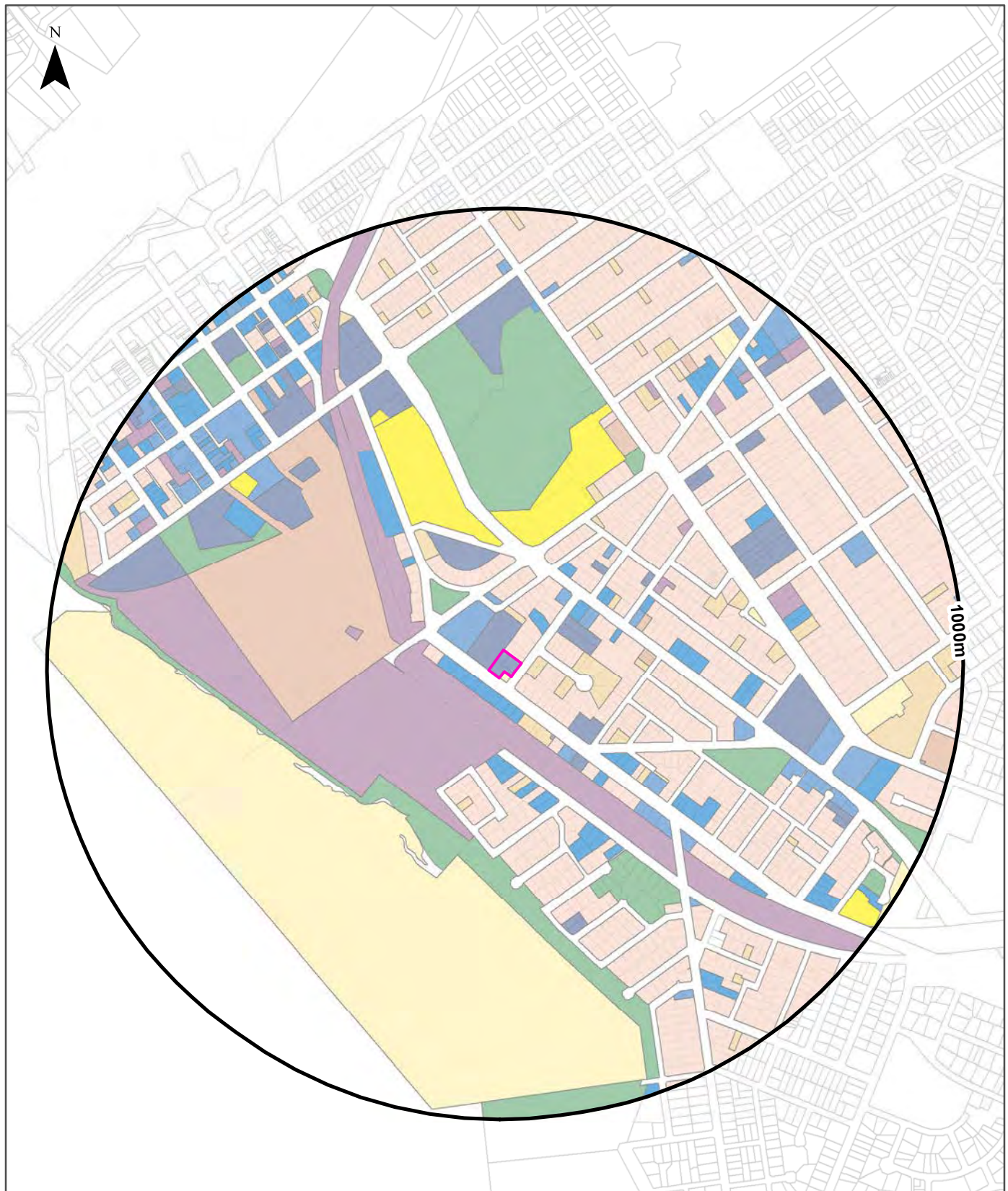
Planning and Design Code subzones within the dataset buffer:

Map Id	Subzone Code	Subzone Name	Legal Start Date	Status	Distance	Direction
N/A	No records in buffer					

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

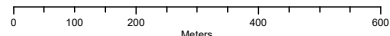
1 Trent Road, Port Augusta, SA 5700



Legend

Site Boundary	Forestry	Non Private Residential	Retail Commercial
Buffer 1000m	Golf	Public Institution	Rural Residential
Property Boundary	Commercial	Recreation	Utilities or Industry
Agriculture	Education	Reserves	Vacant
Livestock	Mining or Quarrying	Residential	Vacant Urban Land
Food Industry			

Scale:



Data Sources: Property Boundaries - Sourced by Omnilink
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Coordinate System:
GDA 1994 MGA Zone 54

Date: 09 February 2023

Planning

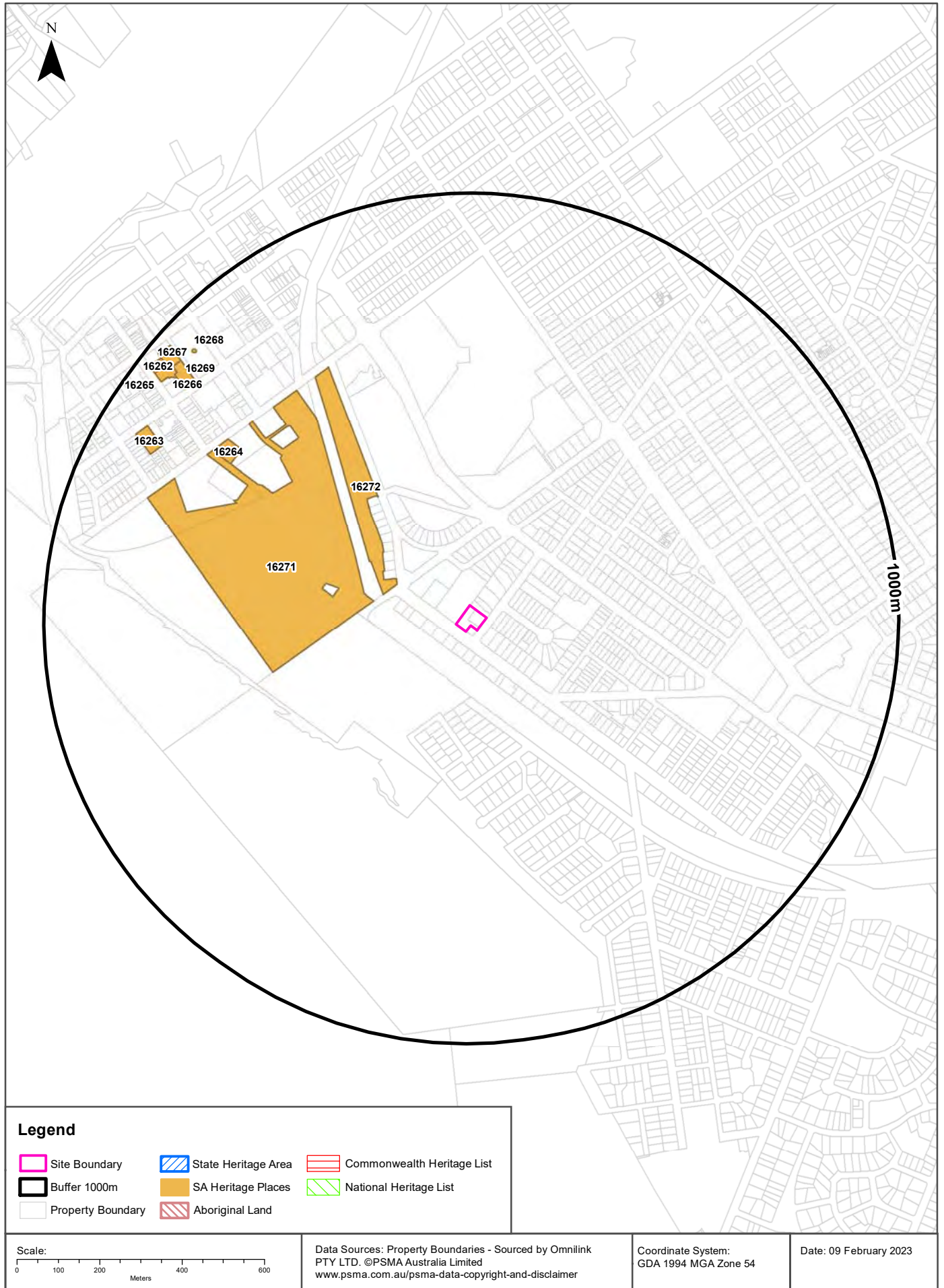
1 Trent Road, Port Augusta, SA 5700

Land Use Generalised

Land use classes within the dataset buffer:

Description	Distance	Direction
Public Institution	0m	On-site
Residential	0m	North East
Vacant	0m	South
Vacant Urban Land	20m	East
Commercial	30m	South West
Utilities or Industry	60m	West
Retail Commercial	64m	North West
Reserves	147m	North West
Non Private Residential	208m	West
Education	234m	North West
Recreation	315m	North

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

1 Trent Road, Port Augusta, SA 5700

Commonwealth Heritage List

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

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

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

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

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

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

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
Creative Commons 3.0 © Commonwealth of Australia <https://creativecommons.org/licenses/by/3.0/au/deed.en>

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
16272	Stirling Street PORT AUGUSTA	State	Railway Platform	Second Port Augusta Railway Station		174m	North West
16271	Commercial Road PORT AUGUSTA	State	Business: Commercial/Retail	Curdnatta Art Gallery (former first Port Augusta Railway Station)		208m	West
16264	34 Flinders Terrace PORT AUGUSTA	State	Business House - Offices	Former Port Augusta School of the Air		671m	North West
16263	9 Church Street PORT AUGUSTA	State	Religious Building	St Augustine's Anglican Church		835m	North West
16266	1 Jervois Street PORT AUGUSTA	State	Law Courts	Port Augusta Courthouse		860m	North West
16269	Beauchamp Lane PORT AUGUSTA	State	Historic Sites (unclassified)	Beaton Memorial Drinking Fountain, Gladstone Square		866m	North West

Heritage No	Location	Heritage Class	Australian Class	Details	Auth Date	Distance	Direction
16265	54 Commercial Road PORT AUGUSTA	State	Council Offices	Port Augusta Town Hall		901m	North West
16268	Beauchamp Lane PORT AUGUSTA	State	Historic Sites (unclassified)	Gladstone Square Bandstand		905m	North West
16267	Beauchamp Lane PORT AUGUSTA	State	Business House - Offices	Port Augusta Cultural Centre (Former Port Augusta Waterworks workshop, storeroom, stables and courtyard)		919m	North West
16262	52 Commercial Road PORT AUGUSTA	State	Hall	Port Augusta Institute		940m	North 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 - Bushfire

1 Trent Road, Port Augusta, SA 5700



Natural Hazards

1 Trent Road, Port Augusta, SA 5700

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
O2408	Hazards (Bushfire - Regional)	The Hazards (Bushfire - Regional) Overlay seeks to ensure development is located to minimise the threat and impact of bushfires on life and property and facilitate access for emergency service vehicles in regional areas.	19/03/2021		337m	South West

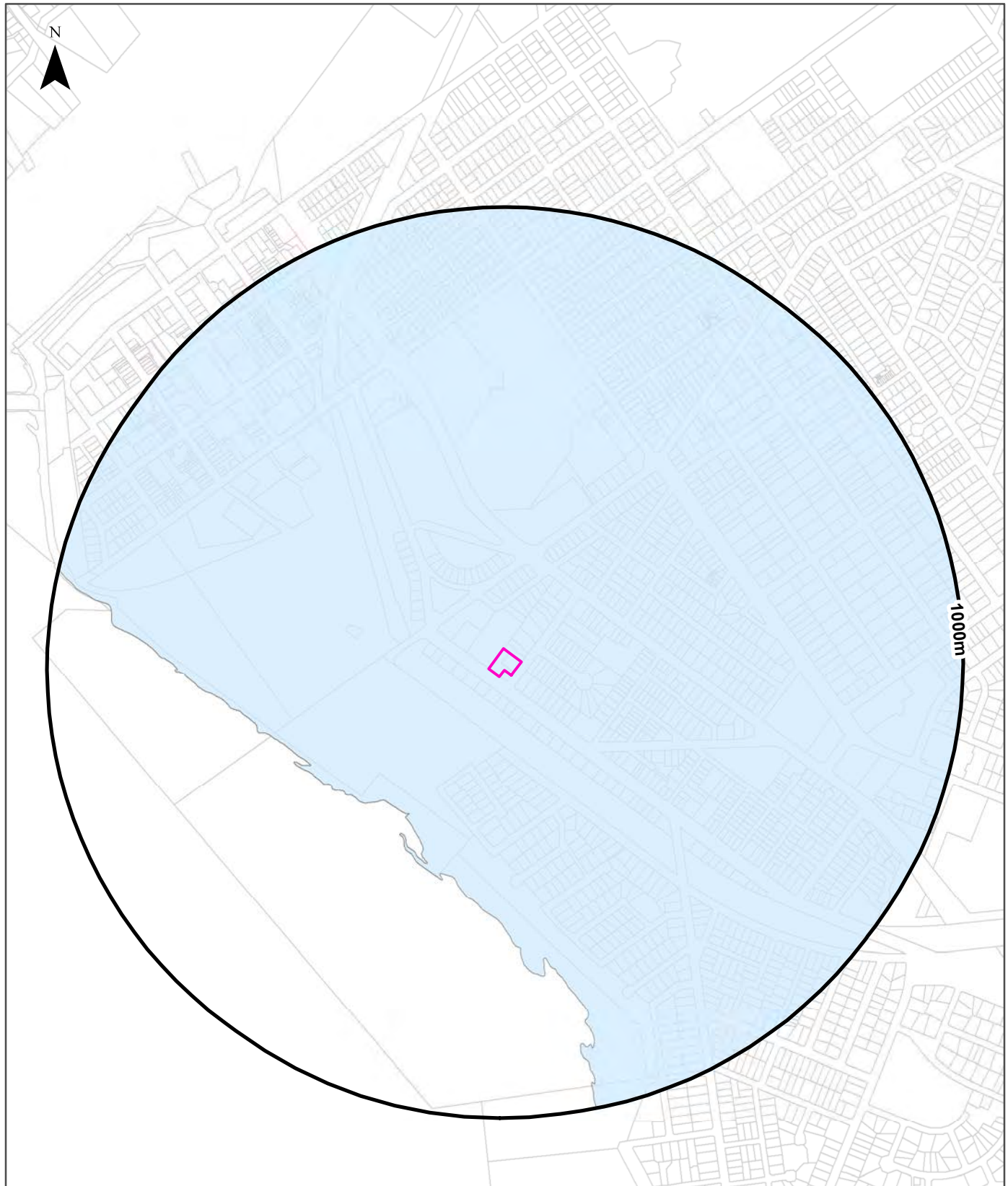
Bushfire Overlays Data Source: Attorney-General's Department - South Australia
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Bushfires and Prescribed Burns History

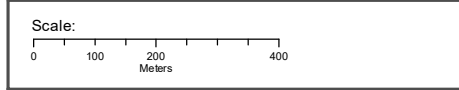
Bushfires and prescribed burns within the dataset buffer:

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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Legend		Planning and Design Code - Flooding Overlay	
Site Boundary	Flooding	Coastal Flooding	River Murray Flood Plain Protection
Buffer 1000m	Flooding - General		
Property Boundary	Flooding - Evidence Required		



Data Sources: Property Boundaries - Sourced by Omnilink PTY LTD. ©PSMA Australia Limited
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Coordinate System:
 GDA 1994 MGA Zone 54

Date: 09 February 2023

Natural Hazards

1 Trent Road, Port Augusta, SA 5700

Flooding Overlays

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

Overlay Id	Name	Description	Legal Start	Legal End	Distance	Direction
O2416	Hazards (Flooding - Evidence Required)	The Hazards (Flooding - Evidence Required) Overlay adopts a precautionary approach to mitigate potential impacts of potential flood risk through appropriate siting and design of development.	10/11/2022		0m	On-site

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













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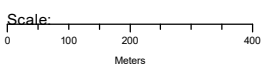
Ecological Constraints - Groundwater Dependent Ecosystems Atlas

1 Trent Road, Port Augusta, SA 5700



Legend

 Site Boundary	 High potential GDE - from national assessment	 Low potential GDE - from national assessment
 Buffer 1000m	 High potential GDE - from regional studies	 Low potential GDE - from regional studies
 Property Boundaries	 Moderate potential GDE - from national assessment	 Known GDE - from regional studies
	 Moderate potential GDE - from regional studies	 Unclassified potential GDE - from national assessment
		 Unclassified potential GDE - from regional studies



Data Sources: Property Boundaries - Sourced by Omnilink
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Ecological Constraints

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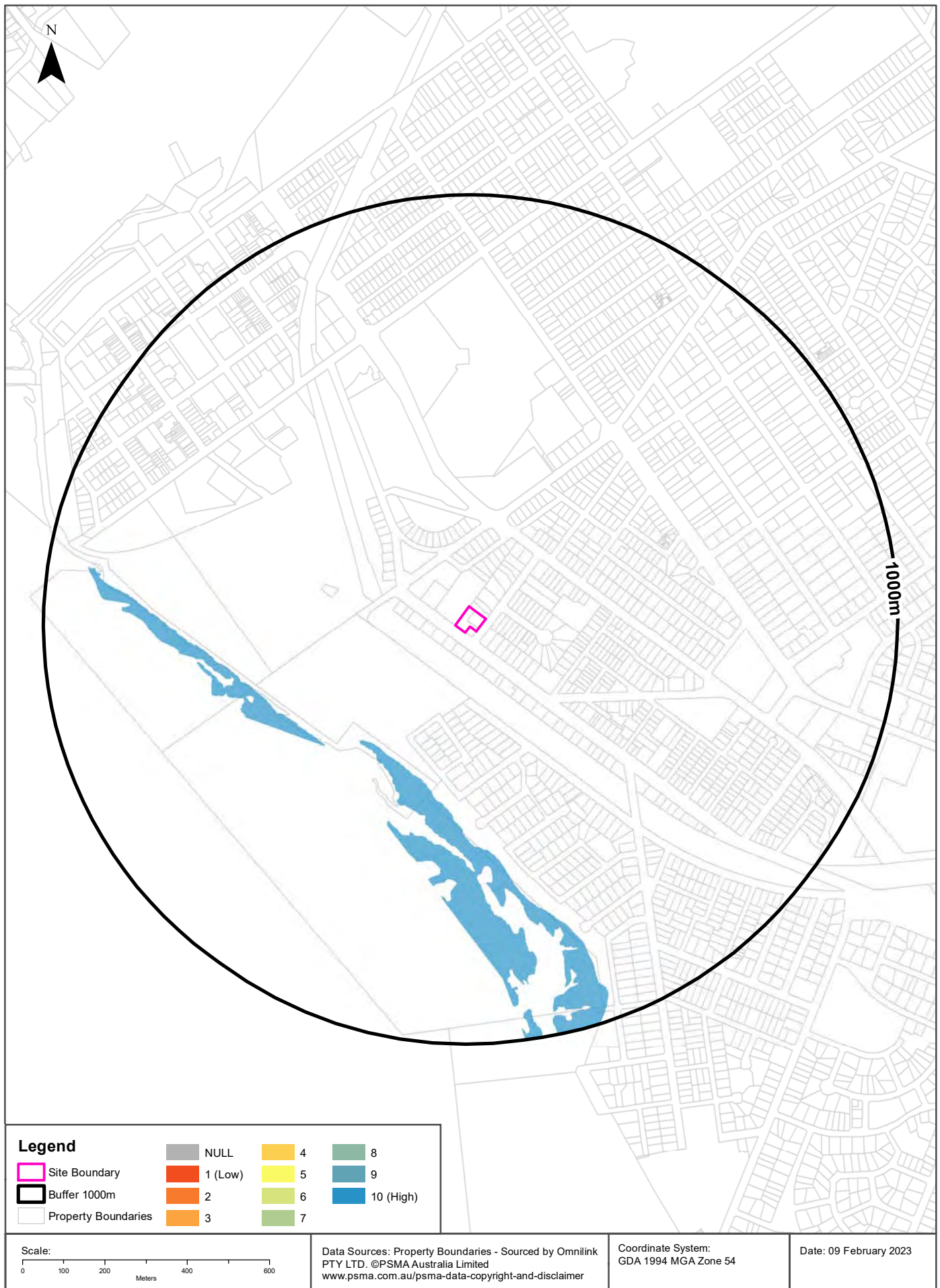
Groundwater Dependent Ecosystems Atlas

Type	Name	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial		High 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.	Vegetation		348m	South

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

1 Trent Road, Port Augusta, SA 5700



Ecological Constraints

1 Trent Road, Port Augusta, SA 5700

Inflow Dependent Ecosystems Likelihood

Type	Name	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial		10	Salt lake and bahadas in north; alluvial and littoral plains in south; north-west/south-east longitudinal dunes, mainly stabilized.	Vegetation		348m	South

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

1 Trent Road, Port Augusta, SA 5700

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
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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

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 12. These Terms are subject to New South Wales law.

Appendix C

**Certificates of Title and SAPPA
Information**

Historical Certificate of Title Tree
Port Augusta MFS Fire Station

Current CT 5808/746

South Australian Metropolitan Fire Service
September 2000 to current



CT 3080/170 (Part Allotment 64)

The Fire Brigades Board
June 1962 to September 2000



CT 2303/18 (Allotment 64)

The Fire Brigades Board
January 1954 to June 1962



CT 2093/180 (Allotment 64)

The Fire Brigades Board
August 1950 to January 1954



CT 1503/35 (Allotments 64 and 67)

Arthur Nutter Thomas and Whitmore
Blake Carr and Percy Emerson
Johnstone
March 1928 to July 1950

HOLIDAYS ACT, 1910-1975: BANK HALF-HOLIDAY AT KIMBA

SOUTH AUSTRALIA { Proclamation by His Excellency the to wit { Governor of the State of South Australia (L.S.) M. L. OLIPHANT

BY virtue of the provisions of the Holidays Act, 1910-1975, and all other enabling powers, I, the said Governor, with the advice and consent of the Executive Council, do hereby appoint Wednesday, the 15th day of September, 1976, a special day to be observed as a bank half-holiday from 12 o'clock noon on such day within the town of Kimba.

Given under my hand and the public seal of South Australia, at Adelaide, this 15th day of July, 1976.

By command, D. H. BANFIELD, for Premier

C.S.O., 722/1954

GOD SAVE THE QUEEN!

HOLIDAYS ACT, 1910-1975: BANK HALF-HOLIDAY AT CEDUNA

SOUTH AUSTRALIA { Proclamation by His Excellency the to wit { Governor of the State of South Australia (L.S.) M. L. OLIPHANT

BY virtue of the provisions of the Holidays Act, 1910-1975, and all other enabling powers, I, the said Governor, with the advice and consent of the Executive Council, do hereby appoint Wednesday, the 15th day of September, 1976, a special day to be observed as a bank half-holiday from 12 o'clock noon on such day within the town of Ceduna.

Given under my hand and the public seal of South Australia, at Adelaide, this 15th day of July, 1976.

By command, D. H. BANFIELD, for Premier

C.S.O., 194/1966

GOD SAVE THE QUEEN!

COMMUNITY WELFARE ACT, 1972-1975: NORTH OUT OF HUNDREDS—ALTERATION OF BOUNDARIES OF RESERVE AT MAREE

SOUTH AUSTRALIA { Proclamation by His Excellency the to wit { Governor of the State of South Australia (L.S.) M. L. OLIPHANT

BY virtue of the provisions of the Community Welfare Act, 1972-1975, and all other enabling powers, I, the said Governor, with the advice and consent of the Executive Council, do hereby:—

1. Reserve the Crown lands defined in the Schedule hereto as a reserve for Aborigines.

2. Add to the reserve which was declared by proclamation published in the Government Gazette of the 12th day of January, 1956 at page 42, to be a reserve for Aborigines by including therein the land defined in The Schedule hereto.

THE SCHEDULE

Commencing at the north-eastern corner of road closed on the 3rd day of October, 1974, adjoining section 95, north out of hundreds, out of counties; thence northerly, easterly, southerly and westerly along western, northern, eastern and southern boundaries of said section 95; southerly and easterly along western and southern boundaries of section 94; southerly and westerly along eastern and southern boundaries of section 91; southerly along portion of the eastern boundary of road closed on the 3rd day of October, 1974; westerly along the southern boundary of said closed road and the northern boundary of road opened on the 3rd day of October, 1974 to the north-eastern boundary of Emerald Terrace, town of Marree; north-westerly along portion of latter boundary; north-easterly along the south-eastern boundaries of road opened on the 3rd day of October, 1974; thence easterly along the northern boundary of the aforesaid closed road to the point of commencement.

Given under my hand and the public seal of South Australia, at Adelaide, this 15th day of July, 1976.

By command, D. H. BANFIELD, for Premier

D.C.W., 6/35/3

GOD SAVE THE QUEEN!

CROWN LANDS ACT, 1929-1975: HUNDRED OF WONOKA—PARKLANDS RESUMED AND DEDICATED

SOUTH AUSTRALIA { Proclamation by His Excellency the to wit { Governor of the State of South Australia (L.S.) M. L. OLIPHANT

BY virtue of the provisions of the Crown Lands Act, 1929-1975, and all other enabling powers, I, the said Governor, with the advice and consent of the Executive Council, do hereby:—

1. Resume the lands defined in the first schedule hereto, being lands which were by proclamation published in the Government Gazette of the 9th day of December, 1971 at page 2374, dedicated for the purposes of parklands.

2. Dedicate the Crown lands defined in the second schedule hereto for the purposes of parklands and declare that such lands shall be under the care, control and management of the district council of Hawker.

FIRST SCHEDULE

Parklands, sections 516, 517, 518 and 520 hundred of Wonoka, county of Blachford.

SECOND SCHEDULE

Sections 516, 517, 518 and 520, adjacent to the town of Hawker, hundred of Wonoka, county of Blachford, exclusive of all necessary roads being the greater portion of the land defined in the First Schedule hereto and more particularly delineated on the public map of the said hundred deposited in the Department of Lands at Adelaide.

Given under my hand and the public seal of South Australia, at Adelaide, this 15th day of July, 1976.

By command, D. H. BANFIELD, for Premier

Highways 5217/1974

GOD SAVE THE QUEEN!

FOREIGN JUDGMENTS ACT, 1971: VARIATION OF PROCLAMATION

SOUTH AUSTRALIA { Proclamation by His Excellency the to wit { Governor of the State of South Australia (L.S.) M. L. OLIPHANT

BY virtue of the Foreign Judgments Act, 1971, and all other enabling powers, I, the said Governor, with the advice and consent of the Executive Council, do hereby vary the proclamation published in the Government Gazette of the 21st day of August, 1975 at page 995, by deleting from the schedule of the said proclamation the courts listed in the schedule hereto and set opposite the name of their respective country.

THE SCHEDULE

Switzerland Bundes-Gericht and all cantonal Superior Courts.

Given under my hand and the public seal of South Australia, at Adelaide, this 15th day of July, 1976.

By command, D. H. BANFIELD, for Premier

A.G.D., 259/1974

GOD SAVE THE QUEEN!

CROWN LANDS ACT, 1929-1975: HUNDRED OF DAVENPORT—RESERVES FOR FIRE BRIGADE PURPOSES AND CORPORATION PURPOSES RESERVED

SOUTH AUSTRALIA { Proclamation by His Excellency the to wit { Governor of the State of South Australia (L.S.) M. L. OLIPHANT

BY virtue of the provisions of the Crown Lands Act, 1929-1975, and all other enabling powers, I, the said Governor, with the advice and consent of the Executive Council, do hereby:—

1. Reserve the Crown lands defined in the First Schedule hereto as a reserve for fire brigade purposes and declare that such lands shall be under the care, control and management of the Chief Secretary.

2. Reserve the Crown lands defined in the Second Schedule hereto as a reserve for corporation purposes and declare that such lands shall be under the care, control and management of the corporation of the city of Port Augusta.

FIRST SCHEDULE

Section 1188, hundred of Davenport, county of Frome, exclusive of all necessary roads.

SECOND SCHEDULE

Section 1189, hundred of Davenport, county of Frome, exclusive of all necessary roads.

Given under my hand and the public seal of South Australia, at Adelaide, this 15th day of July, 1976.

By command,
D. H. BANFIELD, for Premier

D.L., 527/1971

GOD SAVE THE QUEEN!

CROWN LANDS ACT, 1929-1975: HUNDRED OF JAMIESON—WATER CONSERVATION RESERVE RESUMED

SOUTH AUSTRALIA } Proclamation by His Excellency the
to wit } Governor of the State of South Australia
(L.S.) M. L. OLIPHANT

BY virtue of the provisions of the Crown Lands Act, 1929-1975, and all other enabling powers, I, the said Governor, with the advice and consent of the Executive Council, do hereby resume the lands defined in the Schedule hereto, being lands which were by a proclamation published in the *Government Gazette* of the 21st day of July, 1966 at page 219, dedicated as a reserve for water conservation purposes.

THE SCHEDULE

Water Conservation Reserve (Bosanquet Reservoir Reserve) sections 13, 14 and 15 hundred of Jamieson, county of Jervois.

Given under my hand and the public seal of South Australia, at Adelaide, this 15th day of July, 1976.

By command,
D. H. BANFIELD, for Premier

D.L., 4226/1975

GOD SAVE THE QUEEN!

ERRATUM

IN proclamation under Local Government Act Amendment Act (No. 2) 1975, *Government Gazette*, 24th June, 1976, page 3169, for "1975" in line two of text read "1976".

ERRATUM

IN proclamation under Building Act Amendment Act (No. 2) 1976, *Government Gazette*, 1st July, 1976, page 9 delete "(No. 2)" in heading and also in line two of text.

Premier's Department, Adelaide, 15th July, 1976

HIS Excellency the Governor in Council has been pleased to appoint Lyndhurst William Arthur Myers, LL.B., to be Acting Ombudsman, pursuant to the provisions of the Ombudsman Act, 1972-1974, during the absence overseas of the Ombudsman.

By command,
D. H. BANFIELD, for Premier

A.O., 90/1976

Premier's Department, Adelaide, 15th July, 1976

HIS Excellency the Governor in Council has been pleased to appoint the undermentioned to be Members (for a term of three years) of the Foreign Practitioners Assessment Committee, pursuant to the provisions of the Medical Practitioners Act, 1919-1974, viz.:—

- Josiah Mark Bonnin, M.B., B.S., M.R.C.P., M.R.A.C.P., M.D., F.R.C.P. (Chairman)
- Allan Gordon Campbell, M.B., B.S., F.R.A.C.S., M.S., F.R.C.S.
- Leswyn Oswyn Sheridan Poidevin, M.B., B.S., M.D., M.R.C.O.G.
- Ian MacDonald Steele, M.B., B.S., M.R.A.C.G.P.
- Professor John Lewis Veale, M.B., Ch.B., B.Sc.

Professor James Struan Robertson, M.B., B.S., D.Phil., F.R.A.C.P., M.C.P.A.
Professor Derrick Rowley, M.D., Ph.D.

By command,
D. H. BANFIELD, for Premier

M.B., 33/1976

Premier's Department, Adelaide, 15th July, 1976

HIS Excellency the Governor in Council has been pleased to appoint Rowland Walden Johns, B.E.(Arch.), A.R.A.I.A., A.R.I.B.A., F.S.A.S.M., Companion A.C.E., to be a Member of the Architects Board of South Australia, pursuant to the provisions of the Architects Act, 1939-1973, vice Ralph resigned.

By command,
D. H. BANFIELD, for Premier

C.S.O., 16/1966

Premier's Department, Adelaide, 15th July, 1976

HIS Excellency the Governor in Council has been pleased to appoint the undermentioned to be Members of the Trotting Control Board, pursuant to the provisions of the Lottery and Gaming Act, 1936-1975, viz.:—

- William Keith Webster
- Dominic Barbaro
- Rodney John Phillips
- William John Crago
- John McLaren
- Robert John Parham.

By command,
D. H. BANFIELD, for Premier

T.R.S., 2024/1975

Premier's Department, Adelaide, 15th July, 1976

HIS Excellency the Governor in Council has been pleased to appoint Nancy Halliday, to be a Member of the Kingston College of Advanced Education Council, pursuant to the provisions of the Kingston College of Advanced Education Act, 1974, vice Best retired.

By command,
D. H. BANFIELD, for Premier

E.D., 25/1/240

Premier's Department, Adelaide, 15th July, 1976

HIS Excellency the Governor in Council has been pleased to appoint the undermentioned to be Inspectors, pursuant to the provisions of the Stock Diseases Act, 1934-1975, viz.:—

- Ian Douglas Graham
- Christopher Allan Martin.

By command,
D. H. BANFIELD, for Premier

D.A., 463/1972

Premier's Department, Adelaide, 15th July, 1976

HIS Excellency the Governor in Council has been pleased to appoint the undermentioned to be Inspectors, pursuant to the provisions of the Stock Medicines Act, 1939, viz.:—

- Ian Douglas Graham
- Christopher Allan Martin.

By command,
D. H. BANFIELD, for Premier

D.A., 463/1972

Premier's Department, Adelaide, 15th July, 1976

HIS Excellency the Governor in Council has been pleased to appoint the undermentioned to be Members (until 30th June, 1979), of the Advisory Committee on Soil Conservation, pursuant to the provisions of the Soil Conservation Act, 1939-1975, viz.:—

- Peter McKee Barrow, B.Ag.Sc. (Chairman)
- William Grant Inglis, Ph.D., D.Sc.
- Malcolm Ian McTaggart
- James Stanley O'Shaughnessy
- Professor James Patrick Quirk, B.Sc.Ag., Ph.D., D.Sc., F.A.A.
- Herbert William Petras
- John Alfred Richards, R.D.A., A.C.I.V.

By command,
D. H. BANFIELD, for Premier

M.A., 137/1943

8862539



LANDS TITLES REGISTRATION
OFFICE

SOUTH AUSTRALIA

R.P.A. INSTRUMENT COVER

ACRES CONVERSION PROJECT

PREFIX
RT
PKT. NO.

DATE: 29 MAR 2000 TIME: 16.00

NEW C.R.^s TO ISSUE

DELIVERY INSTRUCTIONS (Agent to complete)
PLEASE DELIVER THE FOLLOWING ITEM(S) TO THE
UNDERMENTIONED AGENT (S)

ITEM(S)	AGENT CODE

SECTION	DELIVERED TO		COMPLETED
	CODE	DATE	
1. ARIES DATA ENTRY	DE01		
2. ACRES PROJECT	AP		
3. CANCELLATIONS	RN98		
4. FILE			

ACRES CONVERSION PROJECT

THIS DOCUMENT IS TO FACILITATE THE CONVERSION OF FABRICATED TITLE REFERENCES TO CROWN RECORDS AS PART OF THE ACRES CONVERSION PROJECT.

THE ORIGINATING FABRICATED TITLE INFORMATION CAN BE ACCESSED VIA *FMTTI* INQUIRY.

TO LIST THE CROWN RECORDS THAT ISSUED FROM THIS RT DOCUMENT INQUIRE VIA *TFOEPE*.

This Crown Record Register Search is a true and correct extract of the Register of Crown Records maintained by the Registrar-General. Crown Land is administered pursuant to the Crown Land Management Act 2009 by the Department for Environment and Water.

Crown Record - Volume 5759 Folio 680

Parent Title(s)

Creating Dealing(s) RT 8862539

Title Issued 19/04/2000 Edition 1 Edition Issued 19/04/2000

Estate Type

CROWN LAND (ALIENATED)

Owner

THE CROWN

Custodian

SOUTH AUSTRALIAN METROPOLITAN FIRE SERVICE
OF 87 WAKEFIELD ST ADELAIDE SA 5000

Description of Land

SECTIONS 1188 AND 1189
HUNDRED OF DAVENPORT
IN THE AREA NAMED PORT AUGUSTA

TOTAL AREA: 2483M² (CALCULATED)

Easements

NIL

Schedule of Dealings

NIL

Schedule of Interests

LAND DEDICATED FOR FIRE PROTECTION PURPOSES PURSUANT TO THE CROWN LANDS ACT, 1929 BY
GAZETTE 05/02/1987

Notations

Dealings Affecting Title NIL

Priority Notices NIL

Registrar-General's Notes NIL

Administrative Interests NIL

Crown Record

Title Reference: CR 5759/680

Status: CURRENT

Parent Title(s):

Dealing(s) Creating Title: RT 8862539

Title Issued: 19/04/2000

Edition: 1

Dealings

No lodged Dealings found.

SAPPA Parcel Report

Date Created: February 9, 2023

The South Australian Property and Planning Atlas is available at the Plan SA website <https://sappa.plan.sa.gov.au/>



Address Details

Scale ≈ 1:1128 (on A4 page)

Unit Number:

50 metres≈

Street Number: 1

Street Name: TRENT

Street Type: RD

Suburb: PORT AUGUSTA

Postcode:

Property Details:

Council:

State Electorate:

Federal Electorate:

Hundred:

Valuation Number: 6614936003

Title Reference: CR5759/680

The information provided, is not represented to be accurate, current or complete at the time of printing this report.

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Plan No. Parcel No.: H330600S1188

Zoning details next page



Government of South Australia
Attorney-General's Department

Zone Details

Zones

Employment (Z1501) - E

Overlays

Building Near Airfields (O0601)

The Building Near Airfields Overlay seeks to ensure development does not pose a hazard to the operational and safety requirements of commercial and military airfields.

Hazards (Flooding - Evidence Required) (O2416)

The Hazards (Flooding - Evidence Required) Overlay adopts a precautionary approach to mitigate potential impacts of potential flood risk through appropriate siting and design of development.

Native Vegetation (O4202)

The Native Vegetation Overlay seeks to protect, retain and restore areas of native vegetation.

SAPPA Parcel Report

Date Created: February 8, 2023

The South Australian Property and Planning Atlas is available at the Plan SA website <https://sappa.plan.sa.gov.au/>



Address Details

Scale ≈ 1:564 (on A4 page)

Unit Number:

25 metres≈

Street Number: 1

Street Name: TRENT

Street Type: RD

Suburb: PORT AUGUSTA

Postcode: 5700

Property Details:

Council: PORT AUGUSTA CITY COUNCIL

State Electorate: STUART (2014), STUART (2018), STUART (2022)

Federal Electorate: GREY (2013), GREY (2016), GREY (2019)

Hundred: DAVENPORT

Valuation Number: 6614936003

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Title Reference: CR5759/680

Plan No. Parcel No.: H330600S1189

Zoning details next page



Government of South Australia
Attorney-General's Department

Zone Details

Zones

Employment (Z1501) - E

Overlays

Building Near Airfields (O0601)

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Hazards (Flooding - Evidence Required) (O2416)

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Native Vegetation (O4202)

The Native Vegetation Overlay seeks to protect, retain and restore areas of native vegetation.

Appendix D




Photographic Log

Site Details

Site Name	Port Augusta
Site Address	1 Trent Road, Port Augusta, SA 5700
Inspection Date	March 8, 2023 4:11 PM
Inspector (GHD)	

Photograph Log


ID	Description	Photograph
1	<p>Northing: 6,401,043 Easting: 760,318</p> <p>Facing: N</p> <p>Description: Inside shed - storage of AFFF along wall up to even a year ago</p>	
2	<p>Northing: 6,401,044 Easting: 760,321</p> <p>Facing: E</p> <p>Description: Storage shed - trailer to the left used for storing foam containers</p>	

ID	Description	Photograph
3	<p>Northing: 6,401,043 Easting: 760,322</p> <p>Facing: SW</p> <p>Description: Training yard - unsealed area aquired by MFS approximately 15 years ago. Site slopes down to road in background</p>	
4	<p>Northing: 6,401,014 Easting: 760,306</p> <p>Facing: SW</p> <p>Description: Gutter draining surface runoff offsite, appears to turn left directing water to Trent Rd</p>	
5	<p>Northing: 6,401,039 Easting: 760,304</p> <p>Facing: NE</p> <p>Description: Rest of storage shed</p>	

ID	Description	Photograph
6	<p>Northing: 6,401,024 Easting: 760,309</p> <p>Facing: SW</p> <p>Description: Area used for stockpiling soil excavated by SA Water 6 months ago, flattened using council vehicle last week</p>	
7	<p>Northing: 6,401,020 Easting: 760,308</p> <p>Facing: S</p> <p>Description: Corner of site owned by SA Water - contains a valve for southern Port Augusta</p>	
8	<p>Northing: 6,401,020 Easting: 760,311</p> <p>Facing: SE</p> <p>Description: On-site vegetation</p>	

ID	Description	Photograph
9	<p>Northing: 6,401,019 Easting: 760,313</p> <p>Facing: NE</p> <p>Description: Concrete training and wash down area</p>	
10	<p>Northing: 6,401,030 Easting: 760,318</p> <p>Facing: E</p> <p>Description: Sewage system wells</p>	
11	<p>Northing: 6,401,034 Easting: 760,320</p> <p>Facing: SW</p> <p>Description: View of backyard - minimum cracking in concrete, small gaps between each slab</p>	

ID	Description	Photograph
12	<p>Northing: 6,401,035 Easting: 760,337</p> <p>Facing: SE</p> <p>Description: Entrance to yard, semi open drain present</p>	
13	<p>Northing: 6,401,026 Easting: 760,354</p> <p>Facing: W</p> <p>Description: View of station from Trent Road</p>	
14	<p>Northing: 6,401,010 Easting: 760,341</p> <p>Facing: NW</p> <p>Description: View of station front</p>	
15	<p>Northing: 6,401,032 Easting: 760,314</p> <p>Facing: W</p> <p>Description: Water front truck runoff visible draining to rear yard</p>	

ID	Description	Photograph
16	<p>Northing: 6,401,034 Easting: 760,314</p> <p>Facing:</p> <p>Description: Clean/dirty area plan from 2015, not so much adhered to now</p>	 <p>The photograph shows a document titled "STATION HYGIENE PLAN" for "PORT AUGUSTA WFO STATION". The document is posted on a wall above a sink area. It includes a floor plan with yellow and green highlighted areas, a list of general hygiene advice, and specific instructions for staff. The document is dated 2015.</p>

Appendix E

**MFS Staff Surveys (AFFF Historical Use
Questionnaires)**

MFS Station – AFFF Historical Use Questionnaire

Please distribute the following questionnaire to nominated MFS personnel who have worked at MFS sites when active use of AFFF (*aqueous film-forming foam, firefighting foam*) occurred before it was phased out in 2016. When applicable, please annotate key site features on the site plans attached at the end of this questionnaire.

MFS Station:

Name:

Position when working at the site:

Phone number:

Email:

Date of response:

Item	Question	Response
1	<i>When did you start working at this station?</i>	
2	<i>How long have you worked at this station?</i>	
3	<i>Can you describe where stormwater from the site is usually discharged to (e.g. stormwater pit, nearby creek / pond, street gutter)?</i>	
4	<i>Can you describe any changes in how stormwater has been managed at the site over time?</i>	
5	<i>Is stormwater harvested within the site?</i>	
5.1	<i>If yes, please describe where and how stormwater is harvested.</i>	
5.2	<i>For what purposes is stormwater harvested?</i>	
6	<i>Are there groundwater wells / bores at the site?</i>	
6.1	<i>If yes, for what purpose is groundwater used at the site?</i>	

Item	Question	Response
6.2	<i>Where are the groundwater well / bores located on site? Please mark the location on the attached site plan.</i>	
7	<i>Date when AFFF was first used on site?</i>	
8	<i>Can you provide the product names of any AFFF used on the site? (e.g. Ansulite, 3M Light Water)</i>	
9	<i>Was AFFF used in regular training exercises? If so:</i>	
9.1	<i>How often was the training? (e.g. weekly, monthly, quarterly)</i>	
9.2	<i>Can you describe the location of the training areas and annotate them on the site plan?</i>	
9.3	<i>Can provide an estimate of how much AFFF was used in each training?</i>	
9.4	<i>Was the training ground sealed / open?</i>	
9.5	<i>Was AFFF dispersed aerially? If so, please indicate the maximum extent on the site plan?</i>	
9.6	<i>When was the date of the last training event that included the use of AFFF?</i>	
10	<i>Please describe how the waste water was managed following training events? Specifically, was there a recycling system, storage pond, storage tanks or drains? Please annotate waste water discharge point / pathways on the site plan.</i>	
11	<i>Did any waste water flow into drains that directed the waste water off-site? Please annotate the waste water discharge points / pathways on the site plan.</i>	
12	<i>Were there any changes how the waste water was managed over time? If so, please describe the changes.</i>	
13	<i>Is there any inventory of AFFF use for the site?</i>	

Item	Question	Response
14	<i>Can you estimate the total volume of AFFF used on site before it was phased out in 2016?</i>	
15	<i>Where was AFFF stored on site? Please annotate the storage location on the site plan.</i>	
15.1	<i>What type and size of storage containers were used to store AFFF on site?</i>	
15.2	<i>What is the number of storage containers or the total volume of AFFF that was typically stored on site at any given time prior to 2016?</i>	
16	<i>Please describe where and how AFFF was transferred from storage containers to the fire trucks / fire-fighting appliances. What equipment was used to transfer the AFFF?</i>	
17	<i>How were spent drums of AFFF disposed of?</i>	
18	<i>Were there any wash down areas for fire trucks, equipment or AFFF containers? If so:</i>	
18.1	<i>How was the waste water from such areas managed? (e.g. recycling, treatment, storage pond or discharge to drains)</i>	
18.2	<i>Were there any changes how the waste water was managed over? If so, please describe the changes.</i>	
19	<i>Please describe / annotate the specific location(s) of any other chemical storage facilities (including fuel and oil) and describe the type and typical use of those chemicals.</i>	
20	<i>Is there an incident log / register for the site?</i>	

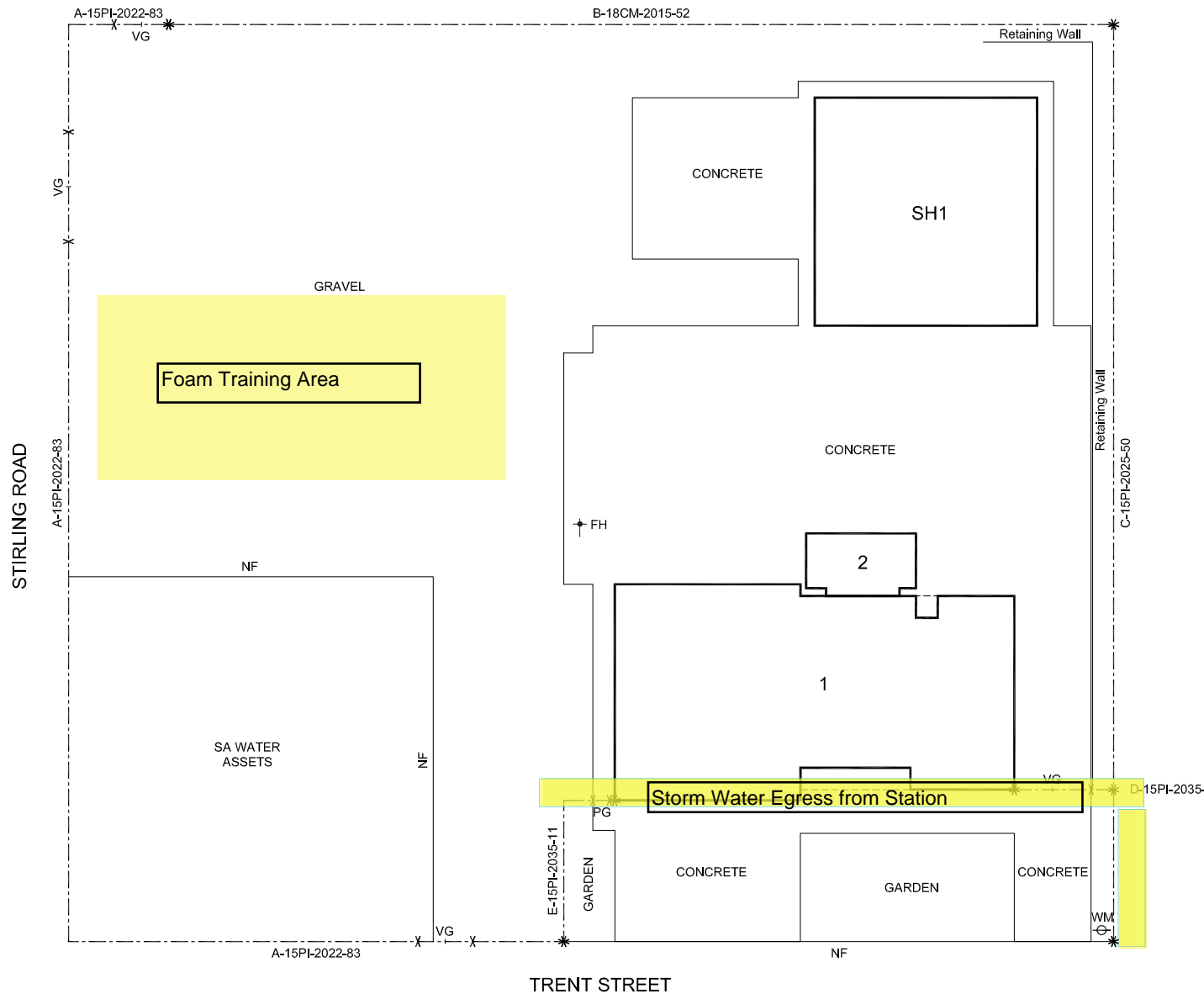
Item	Question	Response
21	<i>Are you aware of any AFFF (or other chemical) releases that may have occurred outside of typical application scenarios? If so:</i>	
21.1	<i>When did such release(s) happen?</i>	
21.2	<i>What substance(s) was/were released?</i>	
21.3	<i>Where did such release(s) happen? Please annotate the release point(s) on the site plan.</i>	
21.4	<i>Where was the released AFFF or chemical discharged to? Please annotate the discharge point(s) on the site plan.</i>	
22	<i>Are there areas of the site where training activities and / or AFFF release(s) have historically occurred that are now unused or have been built on?</i>	
23	<i>Have there been any significant bulk earthworks on the Station site that resulted in soil being relocated from one area to another?</i>	
24	<i>Please describe any changes to the Station that you are aware of with respect to the storage and use of AFFF.</i>	

Any other comments or notes.




BUILDINGS

- 1 FIRE STATION
- 2 CHANGE ROOMS
- SH1 COLORBOND APPLIANCE SHED



FENCES		* code-height-type-fail date-length (ms) *	
CI	corrugated iron	PW	post and wire
CM	chain mesh	WM	weld mesh
GT	galtube	NF	not fenced
PG	pedestrian gate	VG	vehicle gate
⊖-WM	Water Meter	*	Fence junction
⊖-GM	Gas Meter	[PMT]	Pad mtd trans

PORT AUGUSTA SAMFS FIRE STATION 1 TRENT ROAD PORT AUGUSTA 5700

 **Government of South Australia**
Department for Transport,
Energy and Infrastructure

Asset no.	09187	Client.	ODEPT
DTEI Office.	PTAUGUSTA	Sheet.	1 of 1
Created by.	Archink	A Bentley	May 2010
Modified by.	-	-	-
Audited by.	Archink	A Bentley	May 2010
Title details.	refer layer " site-allotment " RT-8862539		
Site area.	0.2483 ha	Accuracy.	site survey
Strategic Asset Management Information System Plan			

SAMIS 09187

Appendix F

**SA EPA Statement to Form 1 Section 7
Search Results**



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

Receipt No :
Admin No : 113003 (76956)

GHD
Level 4
211 Victoria Square
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

21 February, 2023

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 CR Volume 5759 Folio 680
Address 1 Trent Road, PORT AUGUSTA SA 5700

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>)?	YES
----	--	------------

- | | | |
|----|--|-----|
| 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? | YES |
| 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 |

Records identified in this EPA Statement to Form 1: **SC62642**

The above records have been identified with a YES response in this EPA Statement to Form 1 and can be obtained by contacting the Public Register on (08) 8204 9128 or email epa.publicregister@sa.gov.au

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.



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