



# MFS Peterborough Station



## Preliminary Site Investigation

South Australian Metropolitan Fire Service

20 July 2023

→ The Power of Commitment



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# Executive Summary

GHD Pty Ltd (GHD) was engaged by the South Australian Metropolitan Fire Service (MFS) to prepare this Preliminary Site Investigation (PSI) for the Peterborough Fire Station, located at 86 Main Street, Peterborough, South Australia (the site). The purpose of this PSI is to address the action required in the South Australian (SA) Environment Protection Agency (EPA) letter, issued to the MFS on 1 February 2023. The letter prescribes the need to develop a plan of proposed works to address impacts from firefighting foam containing per- and poly-fluoroalkyl substances (PFAS) high-risk MFS sites, of which Peterborough Fire Station is included.

The purpose of the PSI is to address the action required in the South Australian (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 the Camden Park station is included. The SA EPA letter can be found in Appendix A.

The objectives of this PSI are in accordance with the appropriate guidance and legislation as outlined in Section 1.4 and include the following:

- Determine the potential presence of PFAS impacts associated with historical use of AFFF at the site,
- Identify and assess any potential risks to human health and the environment due to the presence of PFAS impacts (if identified), in the context of the site's continued commercial/industrial use and the relevant land uses associated with any potentially affected off-site properties.

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 contributed 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.

## **Determination of site contamination and risk to human health and environment**

- Historical use of PFAS containing foams on the training area in the southern unsealed portion of the site and, to a lesser extent, in the north-western portion of the site,
- Historical, on-site storage of 20L drums of PFAS-containing firefighting foams in the storage shed and the storage area in the breezeway (enclosed veranda),
- Ongoing leaching of PFAS from impacted surfaces (concrete slabs) 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

The PCSM identified the following potentially complete PFAS exposure pathways:

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

- Off-site CFS fire station may contribute to PFAS contamination of the surrounding area, however this is yet to be determined.

### 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	<i>South Australian 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
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
WQEP	South Australian <i>Environmental Protection (Water Quality) Policy 2015</i>

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Appendix F	SA EPA Statement to Form 1 Section 7 Search Results

# 1. Introduction

GHD Pty Ltd (GHD) was engaged by the South Australian Metropolitan Fire Service (MFS) to prepare this Preliminary Site Investigation (PSI) for the Peterborough Fire Station, located at 86 Main Street, Peterborough, South Australia (the site). The site location is shown in Figure 1. The Peterborough Fire Station has been in operation since 1959 as a fire station. The station is currently unmanned and retained by MFS, with approximately 11 part-time staff.

This PSI is limited to assessing the potential impacts from the historical 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.

## 1.1 Background

The Peterborough Station has been functional as a fire station since 1959, with land granted to the MFS on 13 July 1999. The site is currently staffed by retained firefighters who provide emergency response throughout the year.

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.

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).

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. The Peterborough MFS fire station was identified as one of the eight high priority sites.

## 1.2 Objectives

The objectives of this PSI are listed below:

- Determine the potential presence of PFAS impacts associated with historical use of AFFF at the site,
- Identify and assess any potential risks to human health and the environment due to the presence of PFAS impacts (if identified), in the context of the site’s continued commercial/industrial use and the relevant land uses associated with any potentially affected off-site properties

## 1.3 Person requesting works

The work was requested by:

Mr Eero Haatainen, Assistant Chief Fire Officer, Metropolitan Operations- Central and Special Operations, SA MFS, 99 Wakefield St, Adelaide SA 5000.

## 1.4 Methodology

The PSI methodology was developed in 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 (GAR) of site contamination
- 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)

## 1.5 Previous investigations

Previous PFAS investigations at the Peterborough Fire Station have been carried out by GHD in 2019 and 2022, the findings are detailed 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 PFA Risk Profiling*, Report for South Australian Metropolitan Fire Service, October 2022

Locations sampled at the Peterborough Fire Station as part of these investigations are presented in Figure 2. A summary of the findings from the above reports are discussed in the sub-sections below.

### 1.5.1 GHD (2019) MFS state-wide appliance and station sampling

In 2019, environmental investigations were carried out at 35 fire stations across South Australia to assess residual PFAS levels in firefighting appliances, soil and any biota (fruit, vegetables, herbs and poultry). Laboratory analyses of samples obtained from Peterborough Fire Station identified the following:

- Two surface soil samples (Peter1 and Peter2) collected from the eastern boundary of the site reported PFAS concentrations exceeding the PFAS NEMP ecological indirect exposure criteria for PFOS. Samples were below the PFAS NEMP HIL B residential minimal soil accessibility guidelines
- Water samples were collected from the monitor, water tank, on-board hose reel (driver and passenger) and water delivery (driver and passenger) appliances. No exceedances of the adopted criteria were returned. It should be noted that the appliances across MFS stations have been washed out and cleaned of any AFFF since the appliance sampling was undertaken
- No groundwater or biota data were obtained

It is noted that the 2018 PFAS NEMP guidelines were used in the 2019 report, which were superseded by the 2020 PFAS NEMP 2.0. However, this has no practical impact on the purposes of this report as the guideline values for soil are the same in both versions of the PFAS NEMP. In the 2020 PFAS NEMP 2.0, environmental guidelines values that refer to the sum of PFOS and perfluorohexane sulfonate (PFHxS) now explicitly apply not only to the sum of the two but also to PFOS only and to PFHxS only, which was only inferred in the 2018 PFAS NEMP 1.0. It should be noted that there is a new version of the PFAS NEMP currently in review (3.0).

## 1.5.2 GHD (2022) MFS 17 fire stations PFAS risk profiling

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

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 Peterborough MFS fire station was classified as high-risk with high priority for further investigation of PFAS contamination for the following reasons:

- Estimated historical on-site use of AFFF concentrate (approximately 14,750 L between 1970 and 2016)
- Estimated on-site historical bulk storage of AFFF concentration (approximately 200 L)
- Risk of AFFF infiltration to groundwater as the southern portion of the site is unsealed
- Groundwater bores listed as domestic use purpose within 0.5 km of the site
- An open storm water drain within 0.5 km of the site
- A wetland (Victoria Park) approximately 920 m southwest of the site
- Residential land use adjacent to the site

## 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 at 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 local geology, hydrogeology and hydrology, including 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 area
- 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 (200 L) of PFAS containing foam and on-site or potential off-site fire-training activities and overspray
- Development of a preliminary Conceptual Site Model (CSM), 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 (2023), 86 Main Street, Peterborough, SA 5422, Reference number LS040260 EP, prepared by Lotsearch Enviro Professional, 10 February 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 1.1 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 the Lotsearch Report provided in Appendix B.

### 4.1 Site identification

Site information details are summarised in Table 4.1.

Table 4.1 Summary of General Site Identification Information

Item	Detail
Site Address:	86 Main Street, Peterborough, SA 5422
Certificate of Title:	CT 5670/797
Legal Description:	Allotment 97, Filed Plan 215525 in the Area Named Peterborough, Hundred of Yongala
Local Government Authority:	Peterborough District Council
Current Zoning:	Township Main Street
Property Owner:	South Australian Metropolitan Fire Service
Current Site Use:	Operational Fire Station
Area:	994 m <sup>2</sup>
Site Elevation:	536 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.

### 4.2 Site inspection and description

The site is an operational fire station, with approximately 11 part-time (retained) staff, located on Main Street, between Silver Street and William Street, north of the rail track. A site inspection was conducted by GHD field staff on 8 March 2023. Site photographs from the inspection are presented in Appendix D.

The site comprises:

- A one-storey building, located in the northern portion of the site, which housed an engine bay for the site's one appliance, administrative offices and kitchen
- A small, galvanised iron storage shed along the eastern boundary of the site, in which AFFF was historically stored. No AFFF containers were present onsite
- An unsealed training yard in the southern portion of the site irrigated using mains water. There was a training tower in the rear yard which was removed several years ago
- Ornamental vegetation was present in the rear yard along the western and eastern boundaries. No food produce was growing, and no livestock were present onsite
- An active rail line, used predominantly for freight, ran directly south of the site with several trains over 1.5 km long passing through Peterborough each day
- The site was fenced and inaccessible to the public. Entrance points from the northern boundary on Main Street were through the administrative building or via a side gate west of the main building
- There were no odours or staining noted during the site inspection

## 4.3 Site drainage

The site is relatively flat, with a gentle downwards slope to the north from the apron and in the rear yard to the southeast corner. Stormwater runoff at the site is (and was historically) left to soak into the rear yard or discharged off-site via the stormwater drains on Main Street to the north. There have been no changes to the stormwater management at the site over time and stormwater has not been harvested.

The western side of the main building was concreted approximately 10 years ago but was previously unsealed. This area was used for appliance parking during training and washdown. The front apron in the northern portion of the site is sealed with concrete hardstand. Some areas of the concrete hardstand were noted to have cracks. The apron sloped down to Main Street to the north where surface runoff would join the stormwater system.

Stormwater from the site flows northward to an open drain, then west to a dam located approximately 1.4 km to the west of the site.

## 4.4 Historical PFAS use

A questionnaire regarding historical use of AFFF at the site was circulated to MFS staff. The survey was completed on 28 June 2022 by a Fire Fighter, who has been working at the site since 1992. In addition, a retained fire fighter who had been at the site for over 5 years was present during the site inspection and provided further information. Copies of the completed survey can be found in Appendix E.

The date when PFAS containing AFFF was first used at the site is unknown, however, AFFF utilised at the site was known to be branded as '3M' as described by the fire fighter onsite.

Foam training exercises were generally undertaken quarterly, however MFS staff indicated training may have been undertaken annually. Foam training occurred in the rear yard over the unsealed lawn area in the southern portion of the site. MFS staff identified that the north-western area, also utilised for training, used to be unsealed ground until approximately 10 years ago. Approximate locations of the training area are outlined in Figure 3.

The volume of AFFF historically used per training exercise was estimated to have been 20 L, which is the equivalent of one drum. Firefighters carried 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 an induction hose. It was noted from information gathered from firefighting staff that this process was likely to produce localised spills. During the training exercises the AFFF was generally dispersed aerially over the whole training area and left to soak into the unsealed ground.

MFS staff confirmed that community events were historically held onsite. Anecdotal information indicated that during such events, large quantities of AFFF was dispersed into the rear yard for the community to use recreationally.

Incidents involving AFFF use required that appliances were washed down in the western yard or on the front apron on the concrete hardstand. The wash down water was left to soak into the ground or discharge off-site.

## 4.5 Historical storage of PFAS

PFAS containing AFFF was historically stored on-site within the site storage shed. Foam was stored in plastic 20 L drums, with approximately 10 containers stored onsite at any given time. Spent drums of AFFF were washed out, with water draining into the stormwater system and the drums disposed of in the general waste collection.

## 4.6 Surrounding land uses

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

Table 4.2 Land Uses and Zoning

Orientation	Description of Land Use	Zoning (Municipal Council)	Zoning (SAPPA)
North	Main Street, a café and motorcycle display (Iron Horse Cafe) immediately north of site. Further north, from Kitchener Street, zoning changes to Neighbourhood with predominantly residential housing and open greenspace. Residential housing located immediately to the north-east of site.	Township Main Street	Residential/Commercial
East	Public institution adjacent to the site (Peterborough District RSL Sub-Branch). Beyond is predominantly residential housing east of the site up to William Street with a café (The Tinsmith's Cottage) 80 m to the east. After William Street, are several commercial buildings.	Township Main Street	Public Institution/Residential
South	Immediately south of the site is a rail line, identified as utility industry land use. Beyond the rail line, zoning changes to Neighbourhood with predominantly residential housing as well as a school (St Joseph's School) 250 m south of the site.	Township Main Street	Utility Industry
West	Buildings immediately west of the site up to Silver Street are commercial. Petrol station (Ampol Peterborough) and restaurant (Steamtown Dineinn) are adjacent to the site. Heritage and District Council buildings are further west of the site on the other side of Silver Street.	Township Main Street	Commercial

## 5. Environmental setting

### 5.1 Topography and hydrology

The topography of the site is relatively flat, as is land to the east and west. The site sits at an elevation of approximately 536 m AHD. A low set of ranges runs north to south through Peterborough, which is part of the wider Adelaide Geosyncline region.

The northern portion of the site slopes gently down towards Main Street. The rear yard in the southern portion of the site slopes gently down towards the south-eastern corner of the site.

Approximately half of the site comprise sealed surfaces (buildings, concrete hardstand, bitumen, etc.) with the majority of stormwater runoff discharging to off-site underground stormwater drains to the north of the site. Stormwater drains are located along the northern site boundary along Main Street. Stormwater discharges north to an open drain which then flows west into a dam approximately 1.4 km west of the site. The retention dam holds stormwater runoff for the majority of the Peterborough.

### 5.2 Surface water

The nearest surface water body is an open drain, located 0.3 km north of the site. There is also a wetland, located approximately 920 m south-west of the site in Victoria Park. There are two open dams within 2.0 km of the site, one 1.2 km to the east on Cemetery Road and the other 1.4 km at West Terrace.

### 5.3 Geology and soils

The site is characterised by Holocene high to low angle slope deposits, both colluvium and alluvium. The regional surrounding geology includes:

- Appila Tillite comprising tillite, quartzite and siltstone approximately 0.48 km to the northwest
- Undifferentiated Holocene alluvial/fluvial sediments approximately 0.57 km southeast
- Tapley Hill Formation comprising Siltstone, grey to black, dolomitic and pyritic grading upwards to calcareous, thinly laminated, locally crossbedded; dolomite, grey, flaggy to massive; limestone conglomerate, intraformational; greywacke approximately 0.64 km southwest
- Tindelpina Shale Member comprising shale, pyritic carbonaceous and thinly laminated grey dolomite bends and lenses approximately 0.68 km southwest

The site soil classification in the region is Calcarosol and soil type is loam over pederic red clay. This includes hills and hill slopes of grey-brown highly calcareous loamy soils with shallow calcareous loamy soils, brown shallow porous loamy soils and rock outcrops.

Surrounding soil types include calcareous loam on clay (0.34 km north), calcareous loam on rock (0.48 km northwest), shallow soil on rock (0.62 km southwest) and deep gravelly soil (0.85 km west).

The site lies within a region of extremely low probability (1-5%) of potential acid sulphate soil occurrence.

### 5.4 Hydrogeology

A search of the South Australian Resources Information Gateway (SARIG) database reported groundwater in the vicinity of the site with standing water levels (SWL) of approximately 10-20 m BGL, producing yields in the range of 0.5-2.5 L/second. Groundwater salinity ranged from 1,500-3,000 mg/L TDS, indicating fresh to brackish water.

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 139 registered wells within a 2.0 km radius
- Of these registered wells, 28 were listed as backfilled, 10 as operational, three as abandoned, two as not located and no status was listed for 96 wells

- Of the 10 registered operational wells, five were listed for irrigation purposes, two as domestic, two as domestic/stock and one as town water supply (public/municipal)
- Of the 96 wells with no registered status, 17 were listed for investigation purposes, 12 for monitoring, seven for domestic, seven for irrigation, two for stock and 59 had no purpose listed
- TDS data were available for 58 wells within the 2.0 km radius of the site and ranged between 314 mg/L and 5,069 mg/L, indicating fresh to moderately saline water. The five closest wells with TDS data less than 30 years old ranged between 1,147 mg/L to 3,731 mg/L, indicating fresh to brackish (1,000-3,000 mg/L) to brackish water (3,000-10,000 mg/L)

Anecdotal information of the use of groundwater for domestic purposes was noted during the site inspection interview.

## 5.5 Determination of environmental values

To assess contamination status of groundwater at a site, the SA EPA provides a four-step process to determine environmental values of groundwater and whether significant actual or potential harm to groundwater 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
Step 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 139 registered bores located within a 2.0 km radius of the site. The five closest wells with TDS data (less than 30 years old) ranged between 1,147 mg/L to 3,731 mg/L, indicating slightly saline water (1,000-3,000 mg/L) to moderately saline water (3,000-10,000 mg/L).
Step 2: Assess and identify surface water bodies within a 2.0 km buffer of the site.	The nearest surface water bodies to the site are an open drain, 0.3 km north and a wetland is 0.9 km southwest. There are two open dams within 2.0 km of the site, one 1.2 km to the east on Cemetery Road and the other 1.4 km to the west on West Terrace.
Step 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 139 registered bores within a 2.0 km radius of the site. The identified uses of the bores with operational or no status were for investigation (17), domestic (7), domestic/stock (2), irrigation (7), monitoring (12), stock (2) and town water supply (public/municipal) (1).
Step 4: Application of the SA EPA recognised criteria for the most sensitive environmental value.	The most sensitive environmental values to be applied to the site are PFAS NEMP 2020 Drinking Water.

The environmental values for the site were identified to include:

- Drinking water for human consumption
- Irrigation and general water use
- Livestock drinking water, aquaculture, and human consumption of aquatic foods
- Aquatic ecosystem, recreation, and aesthetics (due to proximity to two wetland areas)

## 6. Site history searches

### 6.1 Historical ownership summary

Information regarding the historical ownership of the Peterborough Fire Station-site was obtained from historical certificates of title (CTs) through the South Australian Integrated Land Information System (SAILIS). Copies of the current CT and historical CT are provided in Appendix C.

A review of the historical ownership identified that the land was granted to the MFS on 13 July 1999. Prior to this, ownership of the site was held by The Fire Brigades Board from August 1950.

Relevant details are listed in Table 6.1 below.

*Table 6.1 Summary of Historical Certificates of Title*

CT	Date	Details
5670/797	13/07/1999 to Current	Title issued to South Australian Metropolitan Fire Service, Allotment 97 Filed Plan 215525.
2409/13	31/08/1955	Title issued to The Fire Brigades Board, portion of Allotment 4.
2335/16	15/07/1954	Title issued to The Fire Brigades Board, portion of Allotment 4.
	19/08/1950	Title cancelled, becomes CT 2409/13.

### 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
1963	The site and surrounding blocks are established. On-site a single building with an unsealed southern yard is visible. Surrounding land appears to be residential dwellings and low-density housing. Immediately south of the site, a rail track from the southeast merges into the east-west rail track (present today) and is operational.
1975	The on-site building appears to have either been renovated or demolished and rebuilt as it differs from the building observed in 1963. The southern yard remains unsealed and undeveloped. Buildings 150 m southwest of the site have been demolished leaving vacant land either side of present-day Silver Street. The remaining off-site surroundings remain relatively unchanged from 1963.
1979	The unsealed southern portion of the site is well irrigated compared to arid surroundings. A shed on the adjacent block along the western boundary has been demolished, leaving the block vacant. A large structure has been erected approximately 50 m to the east of the site. All remaining off-site surrounds appear largely unchanged.
1983	Structures and vegetation cover largely remain the same as 1979. South of the site, the property the other side of the rail track appears to have constructed a pool behind the house. Southeast of the site, the building between the two merging rail tracks has been removed leaving vacant land.
1987	South of the site, the pool which appeared in 1983 has been removed. No other significant changes since 1983.
1993	The large structure 50 m to the east of the site noted in 1979 has been removed and appears to be used as vehicle parking on the property. A shed 40 m north of the site has also been removed. No new structures have been constructed since 1987.
1998	South of the site, a residential building has been removed by the rail track whilst another has been constructed further south. No other significant changes since 1993.
2003	The western portion of the site appears to have been sealed with concrete in alignment with the building. Northwest of the site, a shed has been constructed on a residential property, replacing a smaller shed, with two cylindrical storage containers behind. No other significant changes since 1998.

Year	Description
2012	The remaining northern portion of the site appears to be sealed with concrete hardstand, along with a small portion to the south of the building. The petrol station adjacent to the site on the west side has been constructed. Rail track merging from the southwest clearly no longer in use as vegetation now covers tracks. Rail track running east-west still operational. A shed has been constructed at the back of a property on Main Street 50 m west of the site where the present-day The Tinsmith's Cottage is located.
2017	A structure southwest of the site, the other side of the rail track, has been removed leaving vacant land. Increased grass and shrub cover over the disused rail track from the southwest.
2020	The MFS station appears to have a different roofing from the 2017 aerial. No other significant change since 2017.

## 6.3 SA EPA public register

The SA EPA maintains a public register under the Environment Protection Act 1993. 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. There are no EPA Environment Protection and Clean Up Order records for the site.

Table 6.3 Summary of SA EPA Public Register Search

Record No.	Record Type	Entity	Site Address	Activity	Distance (m)	Direction
50844	LICENCE	K.S. & C.A. HUNT & SON PTY. LTD.	88-94 Main Street, PETERBOROUGH SA 5422	Petrol stations	0	West
ENL761G3FK	LICENCE APPLICATION	K.S. & C.A. HUNT & SON PTY. LTD.	88-94 Main Street, PETERBOROUGH SA 5422	Petrol stations	0	West
12048	109 Notification		Railway Facility PETERBOROUGH SA 5422	Not recorded	106	South East
50909	LICENCE	CHRISTOPHER CHARLES GEORGE COOPER	115 Main Street, PETERBOROUGH SA 5422	Petrol stations	133	North West
ENL410JVVV	LICENCE APPLICATION	CHRISTOPHER CHARLES GEORGE COOPER	115 Main Street, PETERBOROUGH SA 5422	Petrol stations	133	North West
62640	109 Notification	-	41 Kitchener Street PETERBOROUGH SA 5422	Fire stations; Fire training areas	194	North West
50985	LICENCE	G&C MERCER PTY LTD	43 Kitchener Street, PETERBOROUGH SA 5422	Petrol stations	223	North West
ENL26J6GG8	LICENCE APPLICATION	G&C MERCER PTY LTD	43 Kitchener Street, PETERBOROUGH SA 5422	Petrol stations	223	North West

Record No.	Record Type	Entity	Site Address	Activity	Distance (m)	Direction
61003 - 01	S83A Notification	-	77-79 Kitchener Street PETERBOROUGH SA 5422	Electricity generation or power plants; Works depots	514	West
61003 - 02	S83A Notification	-	77-79 Kitchener Street PETERBOROUGH SA 5422	Works depots	514	West
60283 - 01	S83A Notification	-	5-7 Meadows Street PETERBOROUGH SA 5422	Works depots	570	West
10639	SAHC	-	113 Railway Terrace PETERBOROUGH SA 5422	Not recorded	785	West
15315	SAHC	-	Lot 5 Main Street PETERBOROUGH SA 5422	Not recorded	797	West
35562	LICENCE	SAMEX PETERBOROUGH PTY LTD	7 Cotton Road, PETERBOROUGH SA 5422	Slaughterhouses or poultry processing works, Abattoirs, Rendering or fat extraction works	930	North

## 6.4 SA EPA section 7 search

GHD contacted the SA EPA to obtain an EPA Statement to Form 1 – Contracts for Sale of Land or Business for CT Volume 5670 Folio 797. Particulars of mortgages, charges and prescribed encumbrances affecting the land, and environmental protection are summarised below.

- Regarding the site (CT 5670/797) the EPA had no records of issues associated with particulars of mortgages, prescribed encumbrances affecting the land or particulars relating to the environment
- The EPA Statement to Form 1 – Contracts for Sale of Land or Business is presented in Appendix F

## 6.5 Review of council records

The District Council of Peterborough did not find any council records pertaining to the site. However, a shed construction was proposed in 2017 but did not proceed. The lack of council records is not considered likely to change the outcome of the PSI.

# 7. Potentially contaminating activities

The following potentially contaminating activities (PCAs) with respect to PFAS have been identified in Table 7.1.

Table 7.1 Potentially Contaminating Activities (PCAs)

Activity	On-site or Off-site	Rationale/Details	Likely Significance
Historical storage and use of PFAS-containing firefighting AFFF in training exercises	On-site and off-site	<p>PFAS-containing firefighting foams were historically stored on-site. Staff interviews stated that during training exercises the AFFF was dispersed aerially over the training area.</p> <p>Training foam was left to soak into the unsealed ground, further increasing risk of infiltration to soil and potentially groundwater.</p> <p>Handling and transfer of PFAS from storage drums to appliances may have produced localised spills.</p>	<p><b>High significance</b></p> <p>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.</p> <p>Additionally on-site and off-site vegetation may be impacted by this PCA.</p>
Washdown of equipment, trucks and appliances and drainage to stormwater	On-site and off-site	<p>After exercises and/or incidents involving AFFF use, appliances, equipment and tanks were washed down in the unsealed rear yard.</p> <p>The wash down water mostly allowed to soak into the unsealed ground, with any excess likely being discharged to stormwater.</p>	<p><b>High significance</b></p> <p>Contamination associated with this PCA may have a significant impact to on- and off-site soil and surface water receptors and has contributed to off-site migration of PFAS compounds.</p> <p>Groundwater may also be impacted given the soaking of wastewater through the soil.</p>
Residual PFAS in concrete or bitumen	On-site	<p>If PFAS has impacted concrete or bitumen at the site, there is the potential for leaching of PFAS from concrete surfaces within the site to underlying and surrounding soil and groundwater.</p>	<p><b>High significance</b></p> <p>Contamination associated with this PCA will likely continue to contribute to contaminant mass flux into the environment over time.</p>
Country Fire Service (CFS) fire station located at 41 Kitchener Street Peterborough SA 5422	Off-site	<p>Potential for PFAS containing foams to have been stored or used at the site. May contribute as an off-site source of PFAS contamination.</p>	<p><b>Moderate significance.</b></p> <p>No sampling or investigation has been completed at the off-site CFS station. PFAS contamination may be present at or adjacent to the site.</p>

## 8. Preliminary conceptual site model (PCSM)

A preliminary conceptual site model (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 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 GHDs 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

This 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 foams on the training area in the southern unsealed portion of the site (rear yard) and, to a lesser extent, in the north-western portion of the site
- Historical, on-site storage of 20 L drums of PFAS-containing firefighting foams in the storage shed and the storage area in the breezeway (enclosed veranda)
- Ongoing leaching of PFAS from impacted surfaces (concrete slabs) 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
- Off-site CFS fire station which may have PFAS contamination present (no known investigations undertaken)

## 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:

- Inhalation or ingestion of contaminated soil or dust
- Abstraction of contaminated groundwater for drinking, irrigation or recreational use (off-site)
- Direct dermal contact or incidental ingestion of contaminated soil, groundwater or surface runoff from impacted surfaces (concrete slabs or bitumen)
- Surface runoff and groundwater transporting contaminants off-site to the downstream and down-gradient neighbouring areas, including surface water bodies
- Direct or indirect ecological contact and bioaccumulation

## 8.4 Receptors

The potential receptors relevant to potential site activities are:

- On-site staff and site visitors
- Ecological receptors within local surface water bodies receiving site runoff or groundwater discharge
- Ecological receptors on-site coming into contact with soils
- Subsurface construction workers and maintenance workers (on-site and downgradient off-site) who come into contact with contaminated soil and/or groundwater
- People using groundwater for domestic and drinking purposes downgradient off-site
- People using groundwater for irrigation of vegetable gardens and/or fruit trees for consumption
- People growing edible vegetation in open soil which may interact with groundwater
- People using groundwater for recreational purposes such as filling of swimming pools downgradient off-site

## 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	<p><b>Likely</b></p> <p>Limited soil sampling undertaken during the GHD (2022) risk profiling works were reported below the adopted Tier 1 HIL B for residential minimal soil access opportunities land use. It is likely that soil at the site has been impacted by historical use of AFFF and 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.</p>
		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	<p><b>Likely</b></p> <p>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.</p>
		Ingestion of contaminated soil	
		Bioaccumulation through indirect contact	
Groundwater beneath the site	Rainwater/surface runoff leaching impacted soil followed by migration through porous media into groundwater	<p><b>Possible</b></p> <p>The potential of PFAS leaching from contaminated soil into the groundwater has not been tested yet. As PFAS containing AFFF and washdown water was allowed to soak following washdown and training exercises it is considered a possibility that PFAS has impacted groundwater. Additionally, the recreational use of foam would pose an additional pathway to groundwater. Estimated depth to groundwater is between 9 – 19 m BGL, therefore this may be a sufficient vertical distance to limit infiltration to groundwater.</p>	
On-site PFAS impacted concrete surfaces	Site users, visitors, maintenance and construction workers	Direct dermal contact with contaminated concrete or bitumen	<p><b>Unlikely</b></p> <p>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.</p>
		Inhalation of contaminated dust	
	Groundwater beneath the site	Rainwater/surface runoff leaching impacted soil followed by migration through porous media into groundwater	<p><b>Unlikely</b></p> <p>Concrete surfaces on-site which 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. Given the depth to groundwater there may be sufficient vertical distance to limit groundwater infiltration.</p>

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><b>Unlikely</b></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.</p>
		Incidental ingestion of contaminated soil	
		Inhalation of contaminated soil or dust from disturbed soils	
	Ecosystem surrounding the site	Direct contact with contaminated soil	<p><b>Unlikely</b></p> <p>PFAS concentrations detected to date in soil on-site (GHD 2019) 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. Given the urbanised environment of the station the interaction to a high value ecosystem is considered unlikely, although further testing is required.</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><b>Possible</b></p> <p>The potential of PFAS leaching from contaminated soil into the groundwater has not been tested yet.</p>	
PFAS-impacted groundwater	People using groundwater for: domestic and drinking purposes	Consumption of contaminated groundwater	<p><b>Possible</b></p> <p>The extent of PFAS in groundwater down hydraulic gradient of the site has not been delineated.</p> <p>TDS data were available for 58 wells within the 2.0 km radius of the site and ranged between 314 mg/L and 5,069 mg/L, indicating fresh to moderately saline water. The five closest wells with TDS data less than 30 years old ranged between 1,147 mg/L to 3,731 mg/L, indicating slightly saline water (1,000-3,000 mg/L) to moderately saline water (3,000-10,000 mg/L). This means the use of groundwater for drinking purposes cannot be 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><b>Possible</b></p> <p>Background TDS values in groundwater was estimated to be between 314 to 5,069 mg/L and may be considered suitable for the environmental values as outlined in Table 3 of Schedule 1 of the Environment Protection Policy (Gov SA 2015). The extent of PFAS in groundwater down hydraulic gradient of the site has not been delineated.</p>

People growing edible vegetation in open soil which may interact with groundwater	Consumption of PFAS impacted edible vegetation	<p><b>On-site: No</b> MFS have removed all edible vegetation and biota from stations therefore there is no pathway.</p>
		<p><b>Off-site: Possible</b> 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><b>Unlikely</b> There are no wells registered for recreational use, however there are pools visible south to the site.</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><b>Unlikely</b> 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>

## 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 groundwater has not been determined
- The lateral and vertical extent of PFAS contamination in soil across the site has not been delineated
- The extent of PFAS contamination in on-site concrete surfaces and the associated PFAS flux from these materials has not been assessed
- The extent of groundwater use for domestic (i.e. potable), irrigation or recreational purposes downgradient of the site remains remain unknown
- The potential for PFAS to leach from contaminated on-site soil into the groundwater has not been tested yet
- Potential off-site sources

## 9. Conclusions

GHD was engaged by the MFS to undertake a desktop preliminary site investigation for the Peterborough MFS fire station located at 86 Main Street, Peterborough, SA.

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.

### **Determination of site contamination and risk to human health and environment**

- Documented information confirmed the use of PFAS containing AFFF at the site
- Training and washdown of PFAS containing AFFF on sealed and unsealed areas of the site
- Storage of AFFF on-site in 20 L plastic drums
- Minimal soil sampling has been undertaken on-site with samples reporting results below the HIL B adopted assessment criteria, however 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 with contaminated soil, incidental ingestion of contaminated soil or inhalation of contaminated soil/dust from disturbed soils
- Exposure of site users, visitors, maintenance, and construction workers to PFAS via direct dermal contact with PFAS impacted concrete/paved surfaces or inhalation of contaminated dust from such surfaces
- Leaching of PFAS from contaminated soils or concrete surfaces followed by migration through porous media into groundwater
- Consumption of contaminated groundwater extracted off-site for domestic/drinking purposes,
- Consumption of edible vegetation grown off-site where plants were irrigated with contaminated groundwater or where plant roots accessed shallow contaminated groundwater
- Incidental ingestion of contaminated groundwater extracted off-site for recreational purposes such as filling of swimming pools
- Off-site CFS fire station may contribute to PFAS contamination of the surrounding area, however this is yet to be determined

### **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
- + Railways
- Site Boundary
- Cadastre

**Data Disclaimer**

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Paper Size ISO A3

0 10 20 30 40  
Meters

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 31/05/2023

**Peterborough Site Location Plan**

**FIGURE 1**

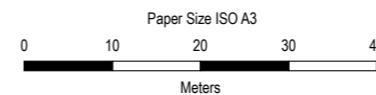
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Print date: 31 May 2023 - 15:47

Data source: GHD: Site Boundary (2022); DPTI: Cadastre, Roads (2015); World Imagery: Imagery (Imagery Date: 18/12/2022; Date Extracted: 01/03/2023). Created by: ejuan

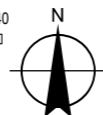


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Map Projection: Transverse Mercator  
Horizontal Datum: GDA 1994  
Grid: GDA 1994 MGA Zone 54



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

Peterborough Historical  
Sampling Locations

Project No. 12602101  
Revision No. A  
Date 31/05/2023

FIGURE 2

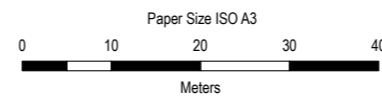


**Legend**

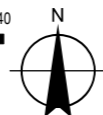
- - - Historical Storage of PFAS
- - - Historical Training and Washdown Area
- Roads
- + Railways
- Site Boundary
- Cadastre

**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 31/05/2023

**Peterborough Site Layout Plan**

**FIGURE 3**

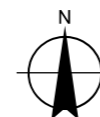


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Paper Size ISO A3  
0 10 20 30 40  
Meters

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

Peterborough  
Surrounding Land Use Plan

Project No. 12602101  
Revision No. A  
Date 31/05/2023

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](mailto: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)<sup>1</sup>.

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](http://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](mailto:brooke.ryan2@sa.gov.au).

Yours sincerely

A handwritten signature in cursive script 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](mailto:ben.petticrew@ghd.com))

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

# **Appendix B**

**Lotsearch Report LS040260 EP**



# LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

**Date: 10 Feb 2023 13:43:44**

**Reference: LS040260 EP**

**Address: 86 Main Street, Peterborough, SA 5422**

**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	0	0	7
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	2	7
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	1
National Liquid Fuel Facilities	Geoscience Australia	23/08/2022	15/03/2012	Annually	1000m	0	1	1
Historical Business Directories (Premise & Intersection Matches)	Hardie Grant, Sands & McDougall			Not required	150m	0	21	37
Historical Business Directories (Road & Area Matches)	Hardie Grant, Sands & McDougall			Not required	150m	-	220	231
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant, Sands & McDougall			Not required	500m	0	0	5
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant, Sands & McDougall			Not required	500m	-	0	0
Mines and Mineral Deposits	Department for Energy and Mining	18/10/2022	18/10/2022	Quarterly	1000m	0	0	2
Groundwater Aquifers	Department for Environment and Water	29/03/2021	01/01/2008	Annually	1000m	1	1	1
Drillholes	Department for Environment and Water	19/10/2022	07/10/2022	Quarterly	2000m	0	2	139
Surface Geology 1:100,000	Department for Energy and Mining	12/07/2018	01/07/2018	As required	1000m	1	1	5
Geological Linear Structures 1:100,000	Department for Energy and Mining	12/07/2018	01/07/2018	As required	1000m	0	0	1
Atlas of Australian Soils	ABARES	19/05/2017	17/02/2011	As required	1000m	1	1	1
Soil Types	Department for Environment and Water	12/07/2018	01/07/2009	As required	1000m	1	1	5
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000m	1	1	1
Acid Sulfate Soil Potential	Department for Environment and Water	06/04/2022	18/02/2020	Annually	1000m	1	1	1
Soil Salinity - Watertable Induced	Department for Environment and Water	23/06/2022	09/06/2016	Annually	1000m	1	1	1
Soil Salinity - Non-watertable	Department for Environment and Water	19/04/2022	18/02/2020	Annually	1000m	1	1	2
Soil Salinity - Non-watertable (magnesia patches)	Department for Environment and Water	19/04/2022	18/02/2020	Annually	1000m	1	1	1

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Planning and Design Code - Zones	Attorney-General's Department	13/12/2022	23/06/2022	Monthly	1000m	1	4	13
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	6	15
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	8	55
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	0
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	28/10/2022	26/10/2022	Annually	1000m	0	0	0
Ramsar Wetland Areas	Department for Environment and Water	28/03/2022	18/02/2020	Annually	1000m	0	0	0

# Site Diagram

86 Main Street, Peterborough, SA 5422



<b>Legend</b>  ■ Site Boundary  □ Internal Parcel Boundaries	<b>Total Area:</b> 994m <sup>2</sup>	<b>Scale:</b> 0 5 10 Meters	
	<b>Total Perimeter:</b> 140m		
<b>Disclaimers:</b> 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.		<b>Data Source Aerial Imagery:</b> © Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS UserCommunity	
		<b>Coordinate System:</b> GDA 1994 MGA Zone 54	<b>Date:</b> 10 February 2023

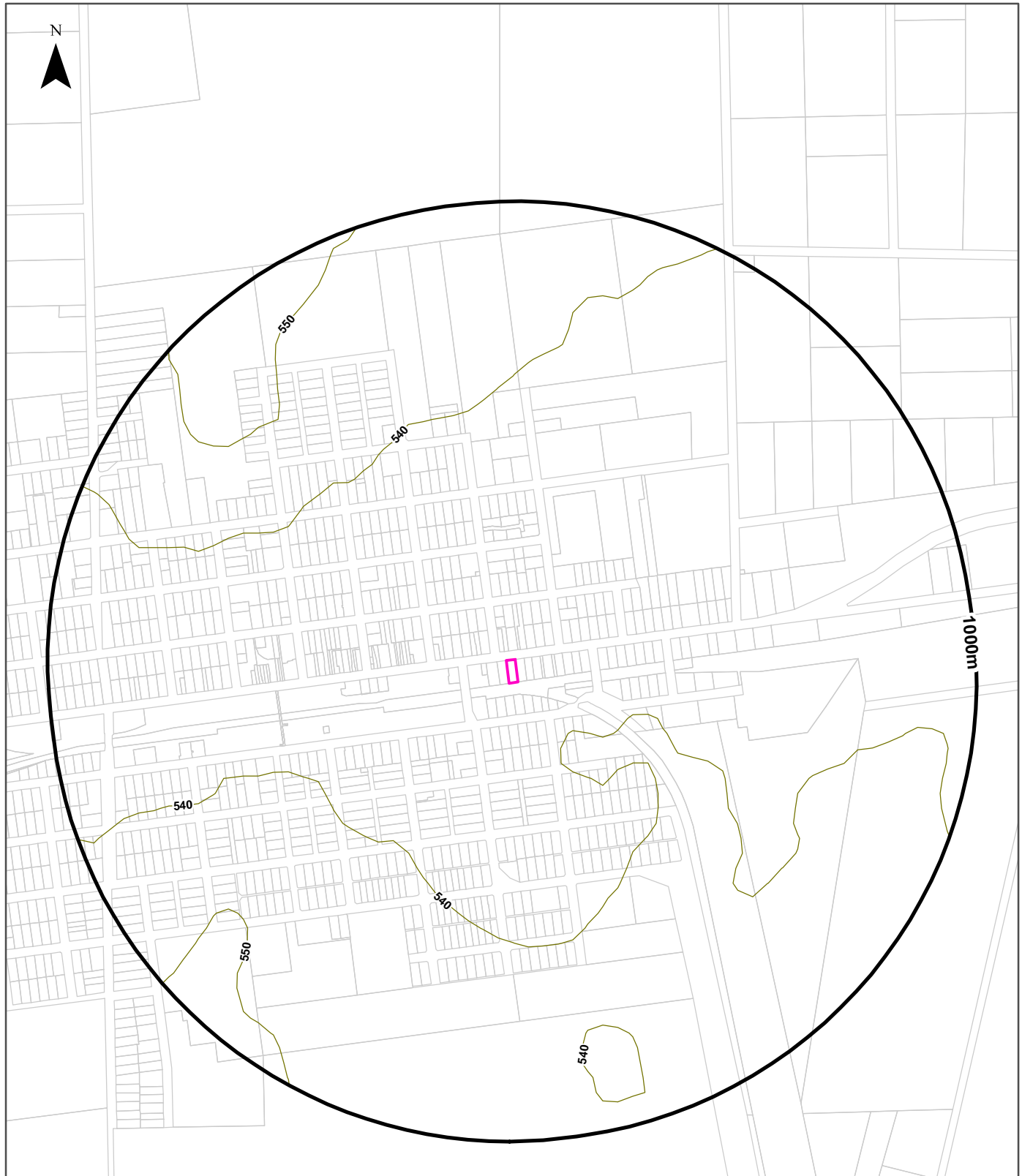
# Topographic Features

86 Main Street, Peterborough, SA 5422



# Elevation Contours

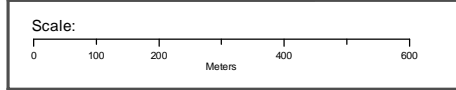
86 Main Street, Peterborough, SA 5422



**Legend**

- Site Boundary
- Buffer 1000m
- Property Boundaries
- Elevation Contour 10m

10m contours derived from SRTM-derived 1 second digital elevation model, supplied by Geoscience Australia. The smoothed digital elevation model (DEM-S) represents ground surface topography, excluding vegetation features, and has been smoothed to reduce noise and improve the representation of surface shape. An adaptive smoothing process applied more smoothing in flatter areas than hilly areas, and more smoothing in noisier areas than in less noisy areas. This DEM-S supports calculation of local terrain shape attributes such as slope, aspect and curvature that could not be reliably derived from the unsmoothed 1 second DEM because of noise.



Data Sources: Property Boundaries - Sourced by Omnilink PTY LTD. ©PSMA Australia Limited  
[www.psm.com.au/psma-data-copyright-and-disclaimer](http://www.psm.com.au/psma-data-copyright-and-disclaimer)

Coordinate System:  
GDA 1994 MGA Zone 54

Date: 10 February 2023

# EPA Site Contamination Index

86 Main Street, Peterborough, SA 5422



# EPA Contaminated Land

86 Main Street, Peterborough, SA 5422

## EPA Site Contamination Index

Sites on the EPA Contamination Index within the dataset buffer:

Notification No	Type	Address	Activity	Status	LocConf	Dist	Dir
12048	109 Notification	Railway Facility PETERBOROUGH SA 5422	Not recorded	Current EPA List	Premise Match	106m	South East
62640	109 Notification	41 Kitchener Street PETERBOROUGH SA 5422	Fire stations; Fire training areas	Current EPA List	Premise Match	194m	North West
61003 - 01	S83A Notification	77-79 Kitchener Street PETERBOROUGH SA 5422	Electricity generation or power plants; Works depots	Current EPA List	Premise Match	514m	West
61003 - 02	S83A Notification	77-79 Kitchener Street PETERBOROUGH SA 5422	Works depots	Current EPA List	Premise Match	514m	West
60283 - 01	S83A Notification	5-7 Meadows Street PETERBOROUGH SA 5422	Works depots	Current EPA List	Premise Match	570m	West
10639	SAHC	113 Railway Terrace PETERBOROUGH SA 5422	Not recorded	Current EPA List	Premise Match	785m	West
15315	SAHC	Lot 5 Main Street PETERBOROUGH SA 5422	Not recorded	Current EPA List	Premise Match	797m	West

Site Contamination Index Data Source: EPA South Australia

# EPA Public Register

86 Main Street, Peterborough, SA 5422

## EPA Environment Protection and Clean Up Orders

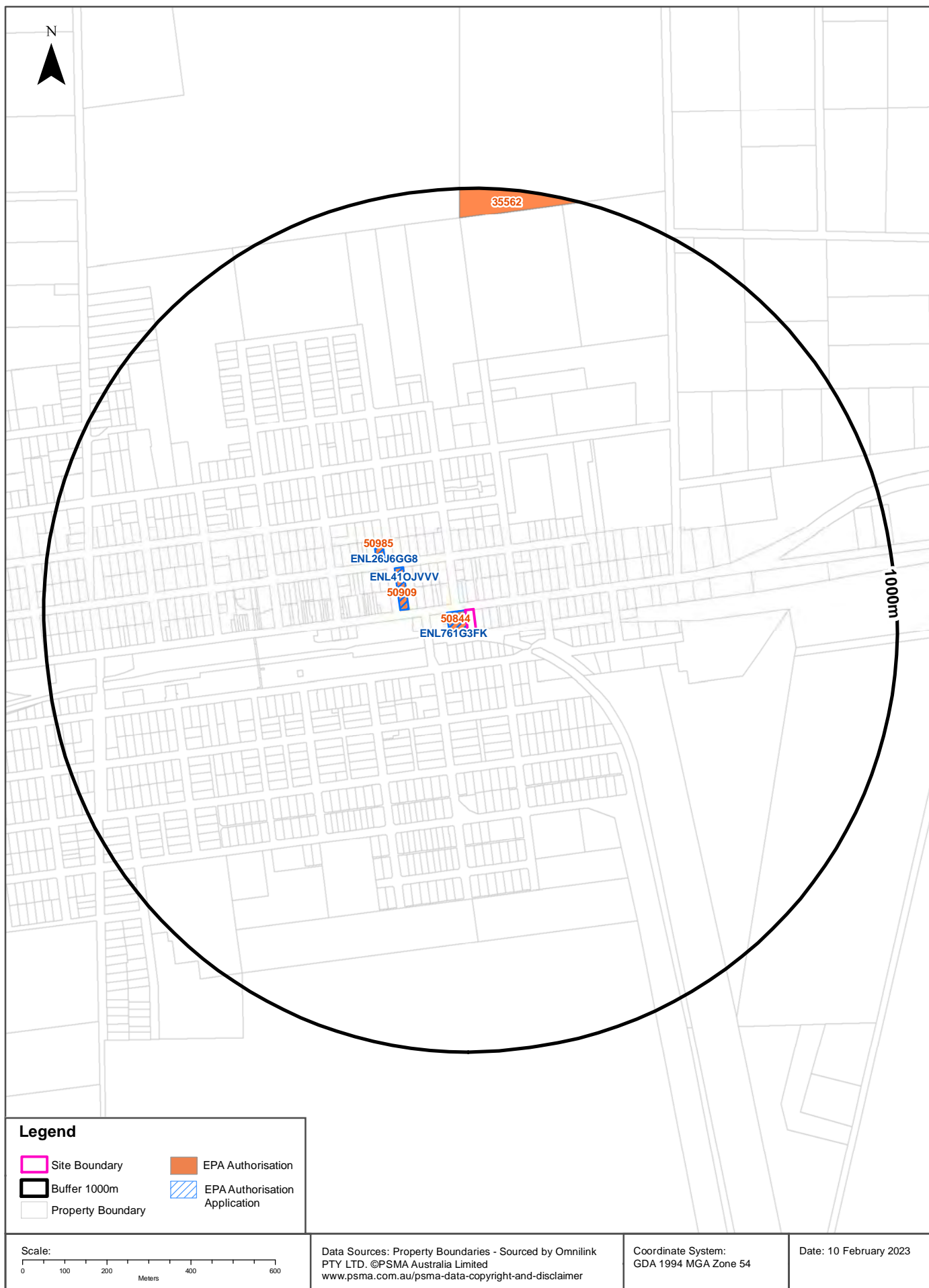
EPA Environment Protection and Clean Up Orders, within the dataset buffer:

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

86 Main Street, Peterborough, SA 5422



# EPA Public Register

86 Main Street, Peterborough, SA 5422

## 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
50844	LICENCE	Issued	K.S. & C.A. HUNT & SON PTY. LTD.	88-94 Main Street, PETERBOROUGH SA 5422	Petrol stations	Current EPA Register	Premise Match	0m	West
ENL761G3FK	LICENCE APPLICATION	Authorisation Updated	K.S. & C.A. HUNT & SON PTY. LTD.	88-94 Main Street, PETERBOROUGH SA 5422	Petrol stations	Current EPA Register	Premise Match	0m	West
50909	LICENCE	Issued	CHRISTOPHER CHARLES GEORGE COOPER	115 Main Street, PETERBOROUGH SA 5422	Petrol stations	Current EPA Register	Premise Match	133m	North West
ENL41OJVVV	LICENCE APPLICATION	Authorisation Updated	CHRISTOPHER CHARLES GEORGE COOPER	115 Main Street, PETERBOROUGH SA 5422	Petrol stations	Current EPA Register	Premise Match	133m	North West
50985	LICENCE	Issued	G&C MERCER PTY LTD	43 Kitchener Street, PETERBOROUGH SA 5422	Petrol stations	Current EPA Register	Premise Match	223m	North West
ENL26J6GG8	LICENCE APPLICATION	Authorisation Updated	G&C MERCER PTY LTD	43 Kitchener Street, PETERBOROUGH SA 5422	Petrol stations	Current EPA Register	Premise Match	223m	North West
35562	LICENCE	Issued	SAMEX PETERBOROUGH PTY LTD	7 Cotton Road, PETERBOROUGH SA 5422	slaughterhouses or poultry processing works, Abattoirs, Rendering or fat extraction works	Current EPA Register	Premise Match	930m	North

Authorisations Data Source: EPA South Australia

# EPA Assessment and Groundwater Prohibition Areas

86 Main Street, Peterborough, SA 5422

## 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

86 Main Street, Peterborough, SA 5422

## 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

86 Main Street, Peterborough, SA 5422

## 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

86 Main Street, Peterborough, SA 5422

### Defence 3 Year Regional Contamination Investigation Program

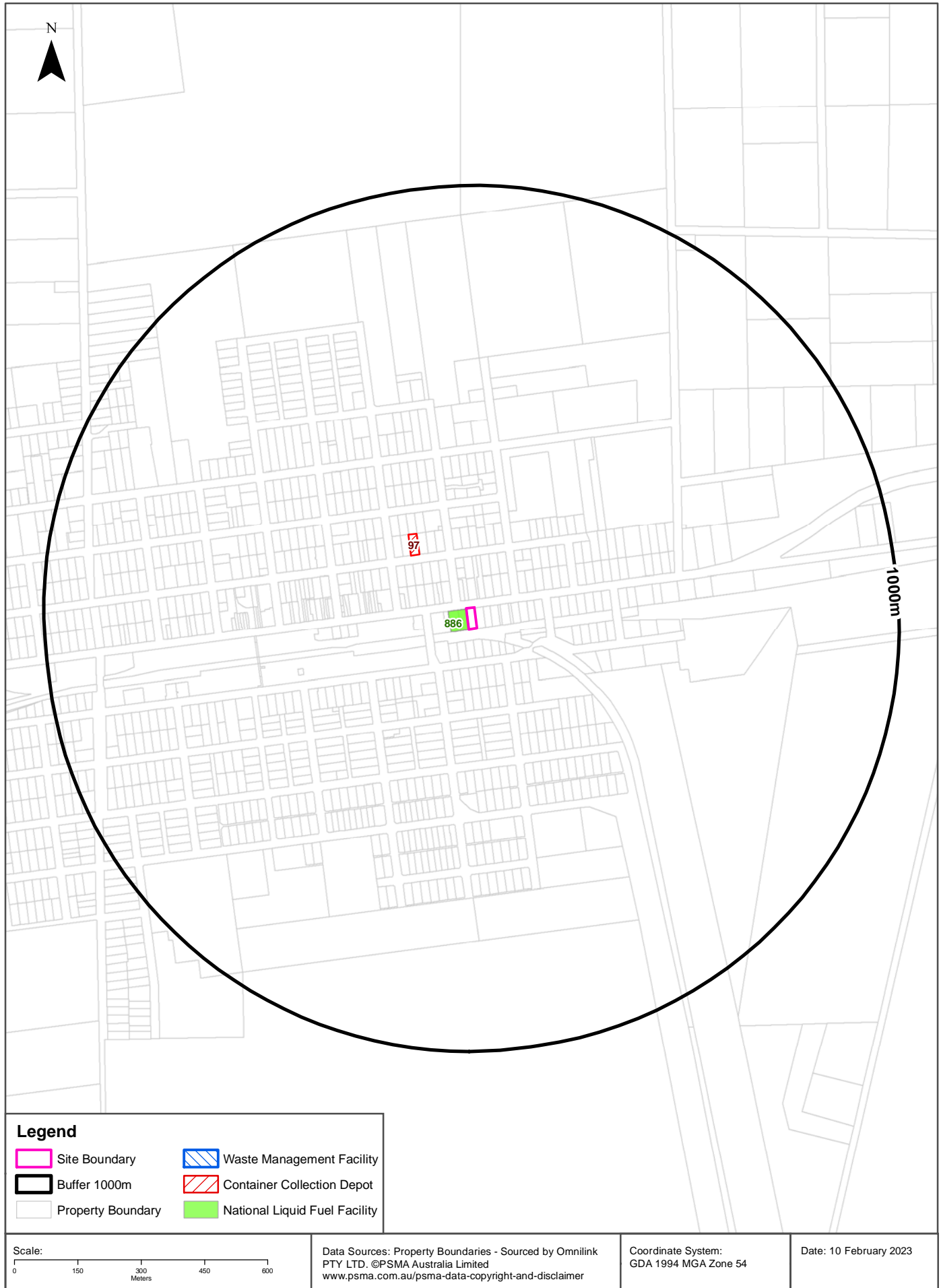
Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

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

86 Main Street, Peterborough, SA 5422



## Waste Management and Liquid Fuel Facilities

86 Main Street, Peterborough, SA 5422

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

### EPA Approved Container Collection Depots

EPA approved container collection depots within the dataset buffer:

MapId	Name	Address	Suburb	Loc Conf	Distance	Direction
97	G & C Recyclers	37 Kitchener Street	PETERBOROUGH	Premise Match	169m	North West

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
886	Caltex	Caltex Peterborough	92 Main Street	Peterborough	Petrol Station	Operational		25/07/2011	Premise Match	0m	West

National Liquid Fuel Facilities Data Source: Geoscience Australia  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Historical Business Directories

86 Main Street, Peterborough, SA 5422



<b>Legend</b> 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 Omnilink PTY LTD. ©PSMA Australia Limited 2023 <a href="http://www.psmas.com.au/psma-data-copyright-and-disclaimer">www.psmas.com.au/psma-data-copyright-and-disclaimer</a>			

# Historical Business Directories

86 Main Street, Peterborough, SA 5422

## 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	NOT LISTED	Peterborough Service Station, 92 Main St.. Peterborough	12038	1991	Premise Match	0m	West
2	BOOKSELLERS & STATIONERS	Shackleford, E., 85-89 Main St. Peterborough	29253	1950	Premise Match	20m	North
	CHINA, CROCKERY, SILVERWARE, ETC.	Shackleford, E., 85-89 Main St. Peterborough	29280	1950	Premise Match	20m	North
	FANCY GOODS	Shackleford, E., 85-89 Main St. Peterborough	29344	1950	Premise Match	20m	North
	FRUITERERS & GREENGROCERS	Shackleford, E., 85-89 Main St. Peterborough	29351	1950	Premise Match	20m	North
	GROCERS & GENERAL STOREKEEPERS	Shackleford, E., 85-89 Main St. Peterborough	29373	1950	Premise Match	20m	North
3	BAKERS & PASTRYCOOKS	Wade, C. E., 91 Main St. Peterborough	29236	1950	Premise Match	20m	North
4	BLACKSMITHS & FARRIERS	Lloyd Bros., 24 Kitchener St. Peterborough	29249	1950	Premise Match	22m	North
	ENGINEERS- GENERAL	Lloyd Bros., 24 Kitchener St. Peterborough	29335	1950	Premise Match	22m	North
	WELDERS-OXY & ELECTRIC	Lloyd Bros., 24 Kitchener St. Peterborough	29481	1950	Premise Match	22m	North
5	NOT LISTED	Dalgety Bennetts Farmers Ltd..Stk. & Stn. Agnt, 93 Main St.. Peterborough	11986	1991	Premise Match	37m	North West
	BARRISTERS & SOLICITORS	Adams, F. P., 95 Main St Peterborough	29240	1950	Premise Match	37m	North West
6	NOT LISTED	Federal Hotel, 96 Main St. Peterborough	11995	1991	Premise Match	43m	West
7	NOT LISTED	Peterborough Upholstery & Trimming, 101 Main St Peterborough	12042	1991	Premise Match	64m	North West
8	HARDWARE MERCHANTS	Jenkins, G. Ltd., 105-107 Main St. Peterborough	29379	1950	Premise Match	75m	North West
	FANCY GOODS	Jenkins, G., Ltd., 105-107 Main St. Peterborough	29341	1950	Premise Match	75m	North West
	GROCERS & GENERAL STOREKEEPERS	Jenkins, G., Ltd., 105-107 Main St. Peterborough	29368	1950	Premise Match	75m	North West
	GROCERS & GENERAL STOREKEEPERS	Jenkins, G., Ltd., 105-107 Main St. Peterborough	29362	1950	Premise Match	75m	North West
	TRAVEL GOODS	Jenkins, G., Ltd., 105-107 Main St. Peterborough	29475	1950	Premise Match	75m	North West
9	MEDICAL SPECIALISTS - OBSTETRICS & GYNAECOLOGY	Need Jillian A C/o 2 Edith st Peterborough	6414	1973	Premise Match	77m	North West
10	WINE & SPIRIT MERCHANTS	Rucioch, P. L., 109 Main St. Peterborough	29483	1950	Premise Match	94m	North West
11	NOT LISTED	Elders Pastoral.Stk & Stn. Agnt, 113 Main St. Peterborough	11990	1991	Premise Match	114m	West
12	NOT LISTED	Peterborough Nissan, 115 Main St., Peterborough	12036	1991	Premise Match	133m	West
	MOTOR CAR & TRUCK DEALERS	Cox, Row., 115-117 Main St. Peterborough	29411	1950	Premise Match	133m	West
	AGENTS-GENERAL	Cox, Rowl., 115-117 Main St. Peterborough	29220	1950	Premise Match	133m	West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
12	BATTERY SERVICE & SUPPLIES	Cox, Rowl., 115-117 Main St. Peterborough	29241	1950	Premise Match	133m	West
	CYCLE SALES & SERVICE	Cox, Rowl., 115-117 Main St. Peterborough	29310	1950	Premise Match	133m	West
	MOTOR CYCLE DEALERS & ENGINEERS	Cox, Rowl., 115-117 Main St. Peterborough	29415	1950	Premise Match	133m	West
	MOTOR GARAGES & SERVICE STATIONS	Cox, Rowl., 115-117 Main St. Peterborough	29419	1950	Premise Match	133m	West
	MOTOR GARAGES & SERVICE STATIONS	Cox, Rowl., 115-117 Main St. Peterborough	29417	1950	Premise Match	133m	West
	MOTOR TYRE DEALERS & REPAIRERS	Cox, Rowl., 115-117 Main St. Peterborough	29425	1950	Premise Match	133m	West
	RADIO SALES & SERVICE	Cox, Rowl., 115-117 Main St. Peterborough	29442	1950	Premise Match	133m	West
	REFRIGERATION SALES & SERVICE	Cox, Rowl., 115-117 Main St. Peterborough	29445	1950	Premise Match	133m	West
	TAXI PROPRIETORS	Cox, Rowl., 115-117 Main St. Peterborough	29465	1950	Premise Match	133m	West
	TRACTOR SALES & SERVICE	Cox, Rowl., 115-117 Main St. Peterborough	29474	1950	Premise Match	133m	West
	MOTOR ACCESSORIES & SOARE PARTS	Cox, Rowl., 115-117 Main St. Peterborough	29404	1950	Premise Match	133m	West
13	NOT LISTED	Catholic Church Presbytery, 32 Railway Tce.. Peterborough	11980	1991	Premise Match	141m	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
14	NOT LISTED	Peterborough Community Centre, Main St.. Peterborough	12027	1991	Road Match	8m
	NOT LISTED	Peterborough Community Kindergarten Inc, Main St., Peterborough	12028	1991	Road Match	8m
	NOT LISTED	Tourist Information Centre, Main St. Peterborough	12069	1991	Road Match	8m
	STOCK & STATION AGENTS	Elder Smith & Co Ltd Main st Peterborough	40452	1973	Road Match	8m
	STOCK & STATION AGENTS	Goldsbrough Mort & Co Ltd Main st Peterborough	40496	1973	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Jenkins G Ltd Main st Peterborough	27017	1973	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Von Bertouch E O Main st Peterborough	29699	1973	Road Match	8m
	AUCTIONEERS	Bennett & Fisher Ltd Main st Peterborough	31595	1965	Road Match	8m
	STOCK & STATION AGENTS	Elder Smith & Co Ltd Main st Peterborough	56231	1965	Road Match	8m
	STOCK & STATION AGENTS	Goldsbrough Mort & Co Ltd Main st Peterborough	56279	1965	Road Match	8m
	BUTTER, CREAM, CHEESE & MILK FACTORIES	Hall A E & Co Ltd Main st Peterborough	4843	1965	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Jenkins G Ltd Main st Peterborough	31203	1965	Road Match	8m
	HOTELS	Junction Main st Peterborough	40931	1965	Road Match	8m
	Land Brokers & Estate Agents	Reed F & Reed Main st Peterborough	44863	1965	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Von Bertouch E O Main st Peterborough	35669	1965	Road Match	8m
	AUCTIONEERS	Bennett & Fisher Ltd Main st Peterborough	36002	1955	Road Match	8m
	BOARDINGHOUSES, GUEST HOMES, APARTMENTS & FLATS	Collins Mrs C Main st Peterborough	320	1955	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Cox Bros & Smith Ltd Main st Peterborough	5827	1955	Road Match	8m
	STOCK & STATION AGENTS	Elder Smith & Co Ltd Main st Peterborough	1333	1955	Road Match	8m
	STOCK & STATION AGENTS	Goldsbrough Mort & Co Ltd Main st Peterborough	1388	1955	Road Match	8m
	BUTTER, CREAM & CHEESE FACTORIES	Hall A E & Co Ltd Main st Peterborough	13884	1955	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Jenkins G Ltd Main st Peterborough	9022	1955	Road Match	8m
	HOTELS	Junction Main st Peterborough	13737	1955	Road Match	8m
	Land Brokers & Estate Agents	Reed F & Reed Main st Peterborough	15194	1955	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Von Bertouch E O Main st Peterborough	7504	1955	Road Match	8m
	BAKERS & PASTRYCOOKS	Badenoch & Donoghue., Main St. Peterborough	29233	1950	Road Match	8m
	MERCERS- MENS & BOYS OUTFITTERS	Barclay & Son., Main St. Peterborough	29399	1950	Road Match	8m
	STOCK & STATION AGENTS	Bennett & Fisher Ltd., Main St. Peterborough	29458	1950	Road Match	8m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
14	CONFECTIONERY & REFRESHMENTS	Boker, J. K. & J. W., Main St. Peterborough	29295	1950	Road Match	8m
	BEAUTY SALONS & LADIES' HAIRDRESSERS	Booth, Miss B., Main St. Peterborough	29245	1950	Road Match	8m
	SADDLERS & HARNESS MAKERS	Bourke, H. M., Main St. Peterborough	29447	1950	Road Match	8m
	BUILDERS & BUILDING CONTRACTORS	Bowering, Norman., Main St. Peterborough	29262	1950	Road Match	8m
	CONFECTIONERY & REFRESHMENTS	Capital Sweets Depot., Main St. Peterborough	29296	1950	Road Match	8m
	PICTURE THEATRES	Capitol Theatre., Main St. Peterborough	29439	1950	Road Match	8m
	CONTRACTORS-GENERAL	Carter, G., Main St Peterborough	29302	1950	Road Match	8m
	CONFECTIONERY & REFRESHMENTS	Central Fish Shop., Main St. Peterborough	29297	1950	Road Match	8m
	ACCOUNTANTS & AUDITORS	Cope, M. E., & Co., Main St. Peterborough	29218	1950	Road Match	8m
	TAXATION CONSULTANTS	Cope, M. E., & Co., Main St. Peterborough	29463	1950	Road Match	8m
	BAKERS & PASTRYCOOKS	Cotterell, R. P., Main St. Peterborough	29234	1950	Road Match	8m
	BOOT & SHOE RETAILERS	Cox Bros. & Smith Ltd., Main St. Peterborough	29257	1950	Road Match	8m
	DRAPERS	Cox Bros. & Smith Ltd., Main St. Peterborough	29322	1950	Road Match	8m
	FURNISHINGS-SOFT	Cox Bros. & Smith Ltd., Main St. Peterborough	29355	1950	Road Match	8m
	LEATHER GOODS	Cox Bros. & Smith Ltd., Main St. Peterborough	29396	1950	Road Match	8m
	MERCERS- MENS & BOYS OUTFITTERS	Cox Bros. & Smith Ltd., Main St. Peterborough	29400	1950	Road Match	8m
	FRUITERERS & GREENGROCERS	Cox, L. G., Main St. Peterborough	29348	1950	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Cox, Lloyd., Main St. Peterborough	29366	1950	Road Match	8m
	TAILORS	Cox, R. F., Main St. Peterborough	29462	1950	Road Match	8m
	DRAPERS	Craven, & Co. Ltd., Main St. Peterborough	29323	1950	Road Match	8m
	FURNISHINGS-SOFT	Craven, J., & Co. Ltd., Main St. Peterborough	29356	1950	Road Match	8m
	FURNISHERS-HOUSEHOLD	Craven, J., & Co., Main St. Peterborough	29353	1950	Road Match	8m
	MERCERS- MENS & BOYS OUTFITTERS	Craven, J., Co. Ltd., Main St. Peterborough	29401	1950	Road Match	8m
	BUILDERS & BUILDING CONTRACTORS	Cunningham, P. J., Main St. Peterborough	29263	1950	Road Match	8m
	CONFECTIONERY & REFRESHMENTS	Delhi Cafe., Main St. Peterborough	29299	1950	Road Match	8m
	HARDWARE MERCHANTS	Dennis, H. J., Main St. Peterborough	29378	1950	Road Match	8m
	TIMBER MERCHANTS	Dennis, H. J., Main St. Peterborough	29470	1950	Road Match	8m
	LOCAL AUTHORISTS	District Council Of Peterborough., Main St. Peterborough	29398	1950	Road Match	8m
	BANKS	English, Scottish & Australian Bank Ltd., Main St. Peterborough	29238	1950	Road Match	8m
	HOTELS	Federal Hotel., Main St. Peterborough	29388	1950	Road Match	8m
	CONFECTIONERY & REFRESHMENTS	Foote, N. A., Main St. Peterborough	29300	1950	Road Match	8m
	SEEDSMEN & NURSERYMEN	Home Service Store (E. O. Von Bertouch)., Main St. Peterborough	29452	1950	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Home Service Store (E. Von Berfouch)., Main St. Peterborough	29367	1950	Road Match	8m
	NEWSAGENTS	Hore, T. M., Main St. Peterborough	29428	1950	Road Match	8m
	SPORTING GOODS	Hore, T. M., Main St. Peterborough	29457	1950	Road Match	8m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
14	ELECTROPLATE SPECIALISTS	Hore, T.M., Main St. Peterborough	29333	1950	Road Match	8m
	FANCY GOODS	Hore, T.M., Main St. Peterborough	29340	1950	Road Match	8m
	WOOD MERCHANTS	Howard Bros., Main St. Peterborough	29486	1950	Road Match	8m
	HOTELS	Junction Hotel., Main St. Peterborough	29389	1950	Road Match	8m
	HOTELS	Junction Hotel (C. King, Propr.), Main St. Peterborough	29387	1950	Road Match	8m
	HOUSE, LAND & ESTATE AGENTS	Koch, R. H., Main St. Peterborough	29392	1950	Road Match	8m
	TAXATION CONSULTANTS	Koch, R. H., Main St. Peterborough	29464	1950	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Lawrie & Cox., Main St. Peterborough	29369	1950	Road Match	8m
	HARDWARE MERCHANTS	Lawrie & Cox., Main St. Peterborough	29380	1950	Road Match	8m
	CHINA, CROCKERY, SILVERWARE, ETC.	Luck, E. H., Main St. Peterborough	29279	1950	Road Match	8m
	BOOKSELLERS & STATIONERS	Luck, Mrs. E. H., Main St. Peterborough	29252	1950	Road Match	8m
	NEWSAGENTS	Luck, Mrs. E. H., Main St. Peterborough	29429	1950	Road Match	8m
	ELECTRICAL APPLIANCES & SUPPLIES	Luck, Mrs. E.H., Main St. Peterborough	29329	1950	Road Match	8m
	FANCY GOODS	Luck, Mrs. E.H., Main St. Peterborough	29342	1950	Road Match	8m
	TRAVEL GOODS	Luck, Mrs. E.H., Main St. Peterborough	29476	1950	Road Match	8m
	DRAPERS AND FURNISHERS	Matthews., Main St., Peterborough Peterborough	29307	1950	Road Match	8m
	FURNISHERS-HOUSEHOLD	Matthews Emporium., Main St. Peterborough	29354	1950	Road Match	8m
	MERCERS- MENS & BOYS OUTFITTERS	Matthews Emporium., Main St. Peterborough	29402	1950	Road Match	8m
	DRAPERS	Matthews' Emporium., Main St. Peterborough	29324	1950	Road Match	8m
	GROCERS & GENERAL STOREKEEPERS	Matthews' Emporium., Main St. Peterborough	29370	1950	Road Match	8m
	HAIRDRESSERS (MEN'S) & TOBACCONISTS	McDonald, Jock., Main St. Peterborough	29374	1950	Road Match	8m
	CONFECTIONERY & REFRESHMENTS	Mitchell, P. T., Main St. Peterborough	29301	1950	Road Match	8m
	ELECTRICAL APPLIANCES & SUPPLIES	Patterson, C., Radio Service., Main St. Peterborough	29330	1950	Road Match	8m
	LIGHTING PLANTS	Pattersons Radio Service, Main St. Peterborough	29397	1950	Road Match	8m
	RADIO SALES & SERVICE	Patterson's Radio Service., Main St. Peterborough	29443	1950	Road Match	8m
	REFRIGERATION SALES & SERVICE	Patterson's Radio Service., Main St. Peterborough	29446	1950	Road Match	8m
	SEWING MACHINE SALES & SERVICE	Patterson's Radio Service., Main St. Peterborough	29453	1950	Road Match	8m
	VACUUM CLEANER SALES & SERVICE	Patterson's Radio Service., Main St. Peterborough	29478	1950	Road Match	8m
	WASHING MACHINES	Patterson's Radio Service., Main St. Peterborough	29480	1950	Road Match	8m
	AGENTS-GENERAL	Peterborough Co-op. Society Ltd., Main St. Peterborough	29222	1950	Road Match	8m
	BOOT & SHOE RETAILERS	Peterborough Co-op. Society Ltd., Main St. Peterborough	29258	1950	Road Match	8m
	MERCERS- MENS & BOYS OUTFITTERS	Peterborough Co-Op. Society Ltd., Main St. Peterborough	29403	1950	Road Match	8m
	TRAVEL GOODS	Peterborough Co-op. Society Ltd., Main St. Peterborough	29477	1950	Road Match	8m
DRAPERS	Peterborough Co-operative Society Ltd., Main St. Peterborough	29325	1950	Road Match	8m	
GROCERS & GENERAL STOREKEEPERS	Peterborough Co-operative Society Ltd., Main St. Peterborough	29371	1950	Road Match	8m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
14	GROCCERS & GENERAL STOREKEEPERS	Peterborough Co-Operative Society Ltd., Main St. Peterborough	29363	1950	Road Match	8m
	HARDWARE MERCHANTS	Peterborough Co-operative Society Ltd., Main St. Peterborough	29381	1950	Road Match	8m
	HOTELS	Peterborough Hotel., Main St. Peterborough	29390	1950	Road Match	8m
	JEWELLERS & WATCHMAKERS	Porter, H. T., Main St. Peterborough	29395	1950	Road Match	8m
	ENGINEERS- GENERAL	Price, E., & Son., Main St. Peterborough	29336	1950	Road Match	8m
	WELDERS-OXY & ELECTRIC	Price, S., & Son., Main St. Peterborough	29482	1950	Road Match	8m
	BORING CONTRACTORS	Price, Stan, & Sons., Main St. Peterborough	29260	1950	Road Match	8m
	AGENTS-GENERAL	Price, Stan. & Sons., Main St. Peterborough	29223	1950	Road Match	8m
	ENGINEERS- GENERAL	Price, Stan. & Sons., Main St. Peterborough	29337	1950	Road Match	8m
	HOTELS	Railwoy Hotel., Main St. Peterborough	29391	1950	Road Match	8m
	AGENTS-GENERAL	Reed, Frank, & Reed., Main St. Peterborough	29224	1950	Road Match	8m
	AUCTIONEERS	Reed, Frank, and Reed, Main St. Peterborough	29231	1950	Road Match	8m
	ELECTRICAL APPLIANCES & SUPPLIES	Reed, Frank, And Reed., Main St. Peterborough	29331	1950	Road Match	8m
	HOUSE, LAND & ESTATE AGENTS	Reed, Frank, and Reed., Main St. Peterborough	29393	1950	Road Match	8m
	MOTOR CAR & TRUCK DEALERS	Reed, Frank, and Reed., Main St. Peterborough	29412	1950	Road Match	8m
	RADIO SALES & SERVICE	Reed, Frank, And Reed., Main St. Peterborough	29444	1950	Road Match	8m
	SHEARING PLANTS & EQUIPMENT	Reed, Frank, and Reed., Main St. Peterborough	29454	1950	Road Match	8m
	VALUATORS	Reed, Frank, and Reed., Main St. Peterborough	29479	1950	Road Match	8m
	BUTCHERS	Robinson, H. W., Main St. Peterborough	29269	1950	Road Match	8m
	FRUITERERS & GREENGROCERS	Ruciocb, P. L., Main St. Peterborough	29350	1950	Road Match	8m
	BANKS	Savings Bank of S.A., Main St. Peterborough	29239	1950	Road Match	8m
	BUTCHERS	Sleep, K., Main St. Peterborough	29270	1950	Road Match	8m
	BILLIARD SALOONS	Smith, N. R., Main St. Peterborough	29248	1950	Road Match	8m
	GENERAL ENGINEERS & WELDERS	Stan Price And Sons., Main Street, Peterborough	29305	1950	Road Match	8m
	HAIRDRESSERS (MEN'S) & TOBACCONISTS	Taylor, H. G., Main St. Peterborough	29376	1950	Road Match	8m
	PAINT, OIL & COLOUR MERCHANTS	Travers, E., Main St. Peterborough	29434	1950	Road Match	8m
	TIMBER MERCHANTS	Travers, E., Main St. Peterborough	29471	1950	Road Match	8m
	TOOLS OF TRADE	Travers, E., Main St. Peterborough	29473	1950	Road Match	8m
	HARDWARE MERCHANTS	Travers. E., Main St. Peterborough	29382	1950	Road Match	8m
	CEMENT PRODUCTS.	Trovers, E., Main St. Peterborough	29276	1950	Road Match	8m
	BEAUTY SALONS & LADIES' HAIRDRESSERS	Votes, Miss M. E., Main St. Peterborough	29247	1950	Road Match	8m
	BOOT & SHOE REPAIRERS	Warner, Y., Main St. Peterborough	29256	1950	Road Match	8m
	BAKERS & PASTRYCOOKS	Wode, L. R., Main St. Peterborough	29237	1950	Road Match	8m
	Federal Institute Of Accountants, Associates	Cox, C. F., Main St., Peterborough	20909	1940	Road Match	8m
	Tailors, Clothiers and Mercers	Cox, R. F, Main st, Peterbrgh	14353	1940	Road Match	8m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
14	HAIRDRESSERS AND TOBACCONISTS	Drew, R. A., Main st, Peterbrgh	1643	1940	Road Match	8m
	Butter and Creamery Factories	Hall, A. E. & Co, Main st, Peterborough	15303	1940	Road Match	8m
	CHEMISTS, DRUGGISTS, AND MANUFACTURING CHEMISTS	Hoile, C. V., Main st, Ptrbrgh	17779	1940	Road Match	8m
	Carters and Carriers	Howard Bros, Main st, Peterbro	17241	1940	Road Match	8m
	BOOKSELLERS, STATIONERS, AND NEWSAGENTS	Luck, H. C., Main st, Peterbrgh	11968	1940	Road Match	8m
	TYRE (Rubber) MANUFACTURERS, IMPORTERS, REPAIRERS, AND VULCANIZERS	McLeods', Main st, Peterbrough	15912	1940	Road Match	8m
	Bootmakers And Boot Shops	Raymond, O, Main st, Peterboro	12996	1940	Road Match	8m
	Bakers	Bell Bros, Main st, Peterboro	2553	1930	Road Match	8m
	SADDLERS AND HARNESS MAKERS	Bourke, H., Main st, Peterborough	6348	1930	Road Match	8m
	Builders, Carpenters and Masons	Bowering, J. W, Main st, Peterborough	9359	1930	Road Match	8m
	Timber Merchants	Brady & Co., Main st, Peterborough	11607	1930	Road Match	8m
	Tinsmiths	Brauer, H. A, Main st, Peterborough	11673	1930	Road Match	8m
	SADDLERS AND HARNESS MAKERS	Burke, H. M, Main st, Peterborough	6352	1930	Road Match	8m
	STOREKEEPERS	Calpis, N., Main st, Peterboro	7545	1930	Road Match	8m
	Storekeepers (General)	Co-operative Store, Main st, Peterborough	7974	1930	Road Match	8m
	GROCERS AND PROVISION DEALERS	Cox Bros & Smith, Main street, Peterborough	18968	1930	Road Match	8m
	Builders, Carpenters and Masons	Dennis Bros., Main st, Peterborough	7812	1930	Road Match	8m
	TOBACCONISTS	Drew, H., Main st, Peterborough	12064	1930	Road Match	8m
	MOTOR AND ACCESSORY AGENTS, CYCLE MAKERS AND IMPORTERS	Franklin Motors, Main st, Peterborough	608	1930	Road Match	8m
	Greengrocers and Fruiterers	Gay. Wm. T. Main st, Peterborough	18422	1930	Road Match	8m
	Greengrocers and Fruiterers	Hage, O. B., Main st, Peterborough	18447	1930	Road Match	8m
	Butter and Creamery Factories	Hall, A. E. & Co, Main st, Peterborough	11436	1930	Road Match	8m
	Restaurants and Wine Saloons	Hamp, E. R., Main st, Peterborough	5844	1930	Road Match	8m
	CHEMISTS, DRUGGISTS, AND MANUFACTURING CHEMISTS	Hoile, C, Main st, Peterborough	13531	1930	Road Match	8m
	Carters and Carriers	Howard Bros, Main st. Peterbro	12381	1930	Road Match	8m
	Storekeepers (General)	Hunt, S. C. Main st, Peterborough	8934	1930	Road Match	8m
	Storekeepers (General)	Jenkins, Geo, Main st. Peterborough	8961	1930	Road Match	8m
	Builders, Carpenters and Masons	Koch R. H, Main st, Peterboro	8360	1930	Road Match	8m
	Billiard Saloons	Lewis, F. H, Main st, Peterboro	3887	1930	Road Match	8m
	BOOKSELLERS, STATIONERS, AND NEWSAGENTS	Luck, H, Main st, Peterborough	6085	1930	Road Match	8m
	DRAPERS	Matthews, G. S., Main st, Peterborough	16216	1930	Road Match	8m
	Storekeepers (General)	McRae, M., Main st, Peterborough	9441	1930	Road Match	8m
	Bootmakers And Boot Shops	Mitchell, P. T, Main st, Peterborough	7100	1930	Road Match	8m
Butchers	O'Loughlin Jas, Main st, Peterborough	10862	1930	Road Match	8m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
14	Storekeepers (General)	Parker, Miss G., Main st, Peterborough	9589	1930	Road Match	8m
	BUTCHERS	Pink, A. T, Main st, Ptrbrgh	10908	1930	Road Match	8m
	WATCHMAKERS AND JEWELLERS	Porter, A. A, Main st, Peterborough	13347	1930	Road Match	8m
	PAINTERS, DECORATORS, AND GLAZIERS	Potter, Edwd B, Main st, Peterborough	3307	1930	Road Match	8m
	Storekeepers (General)	Railway Stores, Main st, Peterborough	9973	1930	Road Match	8m
	Bootmakers And Boot Shops	Raymond, O, Main st, Peterboro	7171	1930	Road Match	8m
	Accountants and Agents	Reed F, Main st, Peterborough	1267	1930	Road Match	8m
	Storekeepers (General)	Reynolds, Miss, Main st. Peterborough	9993	1930	Road Match	8m
	SADDLERS AND HARNESS MAKERS	Rogers. W. H, Main st, Peterborough	6470	1930	Road Match	8m
	PRODUCE MERCHANTS	S.A. Produce Co Ltd, Main st, Peterborough	5360	1930	Road Match	8m
	WATCHMAKERS AND JEWELLERS	Sack, F, Main st, Peterborough	13363	1930	Road Match	8m
	BUTCHERS	Sleep, A. D, Main st. Peterboro	11270	1930	Road Match	8m
	Bakers	Wade, C. E., Main St, Peterborough	2987	1930	Road Match	8m
	Storekeepers (General)	Walker, P. M, Main st, Peterborough	10559	1930	Road Match	8m
	MOTOR AND ACCESSORY AGENTS, CYCLE MAKERS AND IMPORTERS	Winkley, H, Main st, Peterboro	1525	1930	Road Match	8m
	Tinsmiths	Brauer, H. A, Main st, Peterborough	18202	1920	Road Match	8m
	Drapers	Chinner, C. H, Main st, Peterborough	6353	1920	Road Match	8m
	Hotels and Public Houses	Cousins, A. E, Main st, Peterborough	10046	1920	Road Match	8m
	Land Brokers & Estate Agents	Frith, F. H, Main Street, Peterborough	10532	1920	Road Match	8m
	Accountants and Agents	FRITH, F. H., Commission Agent, Licensed Land Broker, Auctioneer, and Valuator, Main st, Peterborough	16897	1920	Road Match	8m
	Auctioneers	FRITH. F. H, Main st, Peterborough	18456	1920	Road Match	8m
	Aerated Water and Cordial Manufacturers	GOUDIE, ROBERT W, Main st. Peterborough	17935	1920	Road Match	8m
	Wine and Spirit Merchants	Goudie. Robt W, Main st, Peterborough	548	1920	Road Match	8m
	CHEMISTS, DRUGGISTS, AND MANUFACTURING CHEMISTS	Hoile, Edwd, Main st, Peterborough	4491	1920	Road Match	8m
	Storekeepers (General)	Jenkins, Geo, Main st, Peterborough	16133	1920	Road Match	8m
	Accountants and Agents	Jones, S. D, Main st. Peterborough	17000	1920	Road Match	8m
	Bootmakers And Boot Shops	Mitchell, P, Main-st, Peterborough	1909	1920	Road Match	8m
	Bootmakers And Boot Shops	Nash, W. J, Main-st, Peterborough	1925	1920	Road Match	8m
	Bakers	Perryman, Fredk, Main st, Peterborough	19057	1920	Road Match	8m
	Tailors, Clothiers and Mercers	Phillips, Geo, Main st, Peterborough	17756	1920	Road Match	8m
	Watchmakers and Jewellers	Porter, A, Main st, Peterborough	39	1920	Road Match	8m
	Bakers	Steinke, C, Main st, Peterborough	19121	1920	Road Match	8m
Painters, Paperhangers, and Glaziers	Taylor, J. J, Main st, Peterborough	13817	1920	Road Match	8m	
Photographers	Hartwigg, W, Main st, Petersburg	12302	1910	Road Match	8m	
Greengrocers and Fruiterers	Smith, Isaac, Main st, Petersburg	7952	1910	Road Match	8m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
14	Painters, Paperhangers, and Glaziers	Staer, P. R, Main st, Petersburg	12149	1910	Road Match	8m
	Bakers	Steinke G, Main st, Petersburg	17621	1910	Road Match	8m
15	NOT LISTED	Crack & Crash Repairs, Railway Tce., Peterborough	11984	1991	Road Match	78m
	NOT LISTED	Railway Station Railway Tce, Peterborough	12051	1991	Road Match	78m
	COLLEGES & PRIVATE SCHOOLS	Slaters of St Joseph Railway ter Peterborough	410	1973	Road Match	78m
	COLLEGES & PRIVATE SCHOOLS	Sisters of St Joseph Railway ter Peterborough	36935	1965	Road Match	78m
	Aerated Water & Cordial Manufacturers	Goudie R W Railway ter Peterborough	31264	1955	Road Match	78m
	COLLEGES & PRIVATE SCHOOLS	Sisters of St Joseph Railway ter Peterborough	24360	1955	Road Match	78m
	AERATED WATER & CORDIAL MANUFACTURERS	Goudie, Robert W., Railway Terr. Peterborough	29219	1950	Road Match	78m
	PAINTERS, DECORATORS, AND GLAZIERS	Fisk, H, Railway ter, Peterbro	8590	1940	Road Match	78m
	Aerated Water And Cordial Manufacturers	GOUDIE, ROBERT W., Hygeia Aerated Water and Cordial Factory, Railway Terrace , Peterborough	7311	1940	Road Match	78m
	PAINTERS, DECORATORS, AND GLAZIERS	Fisk, H, Railway ter, Peterbro	3213	1930	Road Match	78m
	Aerated Water And Cordial Manufacturers	GOUDLE, ROBERT W, Railway Terrace, Peterborough	1421	1930	Road Match	78m
	Greengrocers and Fruiterers	Gregg, J, Railway ter, Peter borough	18442	1930	Road Match	78m
	Carters and Carriers	Lampard, G. L, Railway ter, Peterborough	12420	1930	Road Match	78m
	Educational Establishments (Private)	Sisters of St Joseph, Railway ter, Peterborough	16904	1930	Road Match	78m
	16	NOT LISTED	Peterborough District Ambulance, Canary St . Peterborough	12030	1991	Road Match
NOT LISTED		St. Josephs Convent, Callary St.. Peterborough	12061	1991	Road Match	98m
17	NOT LISTED	Peterborough Bowling Club Inc, Kitchener St.. Peterborough	12025	1991	Road Match	129m
	TAILORS, MERCERS & MEN'S WEAR	Cook W J Kitchener st Peterborough	647	1973	Road Match	129m
	TAILORS, MERCERS & MEN'S WEAR	Cook W J Kitchener st Peterborough	57464	1965	Road Match	129m
	TAILORS, MERCERS & MEN'S WEAR	Cook W J Kitchener st Peterborough	2202	1955	Road Match	129m
	WOOD MERCHANTS	Booth & Weatherspoon., Kitchener St. Peterborough	29484	1950	Road Match	129m
	CARRIERS & CARTAGE CONTRACTORS	Booth & Weatherspoon., Kitchener St. Peterborough	29273	1950	Road Match	129m
	Bakers	Ledger, A, Kitchener st, Peterborough	3385	1930	Road Match	129m
	Blacksmiths And Farriers	Lloyd. Andrew, Kitchener st, Peterborough	4538	1930	Road Match	129m
	Carters and Carriers	Mercer & Sons, Kitchener st, Peterborough	12468	1930	Road Match	129m
	Carters and Carriers	O'Toole, W. D, Kitchener st, Peterborough	12509	1930	Road Match	129m
	Blacksmiths And Farriers	Richards, W. H, Kitchener st, Peterborough	4944	1930	Road Match	129m

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# Dry Cleaners, Motor Garages & Service Stations

86 Main Street, Peterborough, SA 5422



<b>Legend</b> 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
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# Historical Business Directories

86 Main Street, Peterborough, SA 5422

## 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	Cox, Rowl., 115-117 Main St. Peterborough	29419	1950	Premise Match	133m	West
	MOTOR GARAGES & SERVICE STATIONS	Cox, Rowl., 115-117 Main St. Peterborough	29417	1950	Premise Match	133m	West
2	MOTOR GARAGES & SERVICE STATIONS	Smith, Alf., 141 Main St. Peterborough	29420	1950	Premise Match	238m	West
3	DRY CLEANERS & PRESSERS	Paramount Dry Cleaners., 149 Main St. Peterborough	29327	1950	Premise Match	250m	West
	DRY CLEANERS & PRESSERS	S.A. Dry Cleaners., 149 Main St. Peterborough	29328	1950	Premise Match	250m	West

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

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories and Sands & McDougall's Directories, from years 1991, 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
N/A	No records in buffer					



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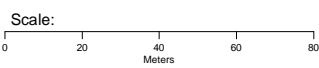
# Aerial Imagery 2020

86 Main Street, Peterborough, SA 5422



**Legend**

-  Site Boundary
-  Buffer 150m



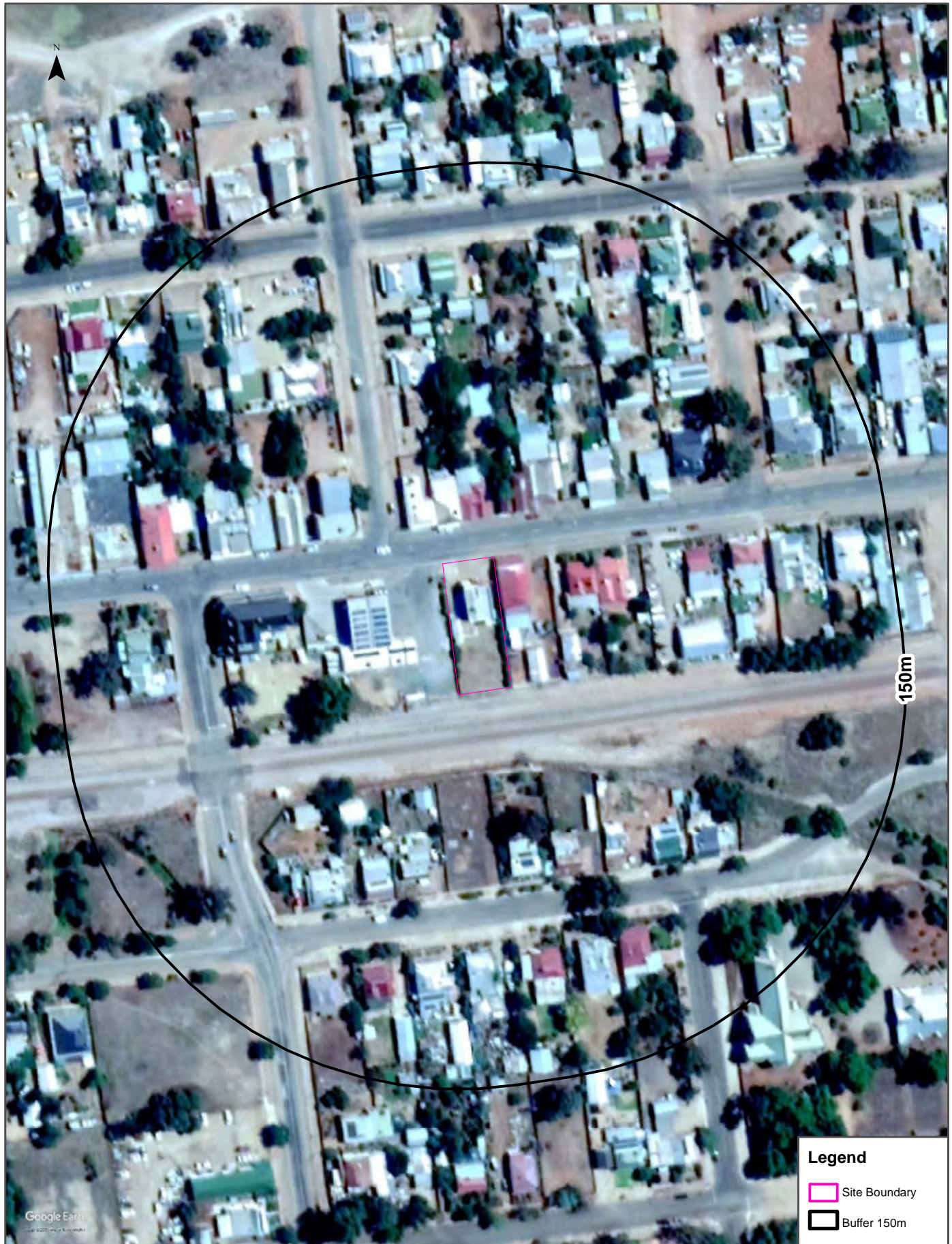
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Coordinate System:  
GDA 1994 MGA Zone 54



Date: 09 February 2023

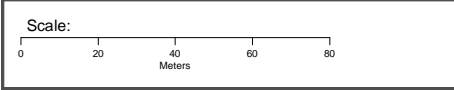
# Aerial Imagery 2017

86 Main Street, Peterborough, SA 5422



**Legend**

-  Site Boundary
-  Buffer 150m



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Coordinate System:  
GDA 1994 MGA Zone 54

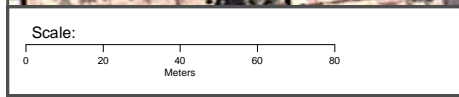
Date: 09 February 2023

# Aerial Imagery 2012

86 Main Street, Peterborough, SA 5422



Legend	
	Site Boundary
	Buffer 150m



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Coordinate System:  
GDA 1994 MGA Zone 54



Date: 09 February 2023

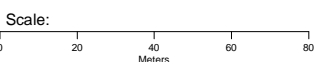
# Aerial Imagery 2003

86 Main Street, Peterborough, SA 5422



### Legend

-  Site Boundary
-  Buffer 150m



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Coordinate System:  
GDA 1994 MGA Zone 54



Date: 09 February 2023

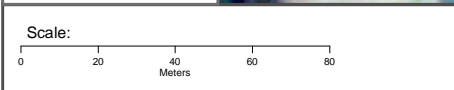
# Aerial Imagery 1998

86 Main Street, Peterborough, SA 5422



**Legend**

-  Site Boundary
-  Buffer 150m



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Department for Environment & Water

Coordinate System:  
GDA 1994 MGA Zone 54



Date: 09 February 2023

# Aerial Imagery 1993

86 Main Street, Peterborough, SA 5422



**Legend**

-  Site Boundary
-  Buffer 150m



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Coordinate System:  
GDA 1994 MGA Zone 54

Date: 09 February 2023



# Aerial Imagery 1987

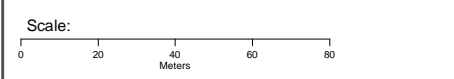
86 Main Street, Peterborough, SA 5422



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

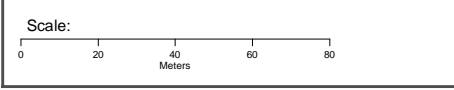
# Aerial Imagery 1983

86 Main Street, Peterborough, SA 5422



**Legend**

-  Site Boundary
-  Buffer 150m



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Coordinate System:  
GDA 1994 MGA Zone 54

Date: 09 February 2023



# Aerial Imagery 1979

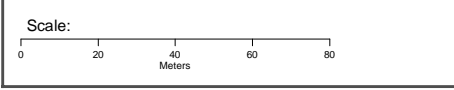
86 Main Street, Peterborough, SA 5422



150m

**Legend**

-  Site Boundary
-  Buffer 150m



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Coordinate System:  
GDA 1994 MGA Zone 54

Date: 09 February 2023



# Aerial Imagery 1975

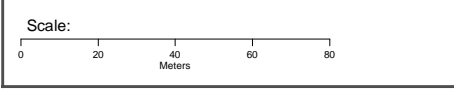
86 Main Street, Peterborough, SA 5422



150m

**Legend**

-  Site Boundary
-  Buffer 150m



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Coordinate System:  
GDA 1994 MGA Zone 54



Date: 09 February 2023

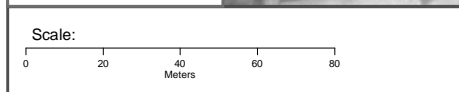
# Aerial Imagery 1963

86 Main Street, Peterborough, SA 5422



**Legend**

-  Site Boundary
-  Buffer 150m



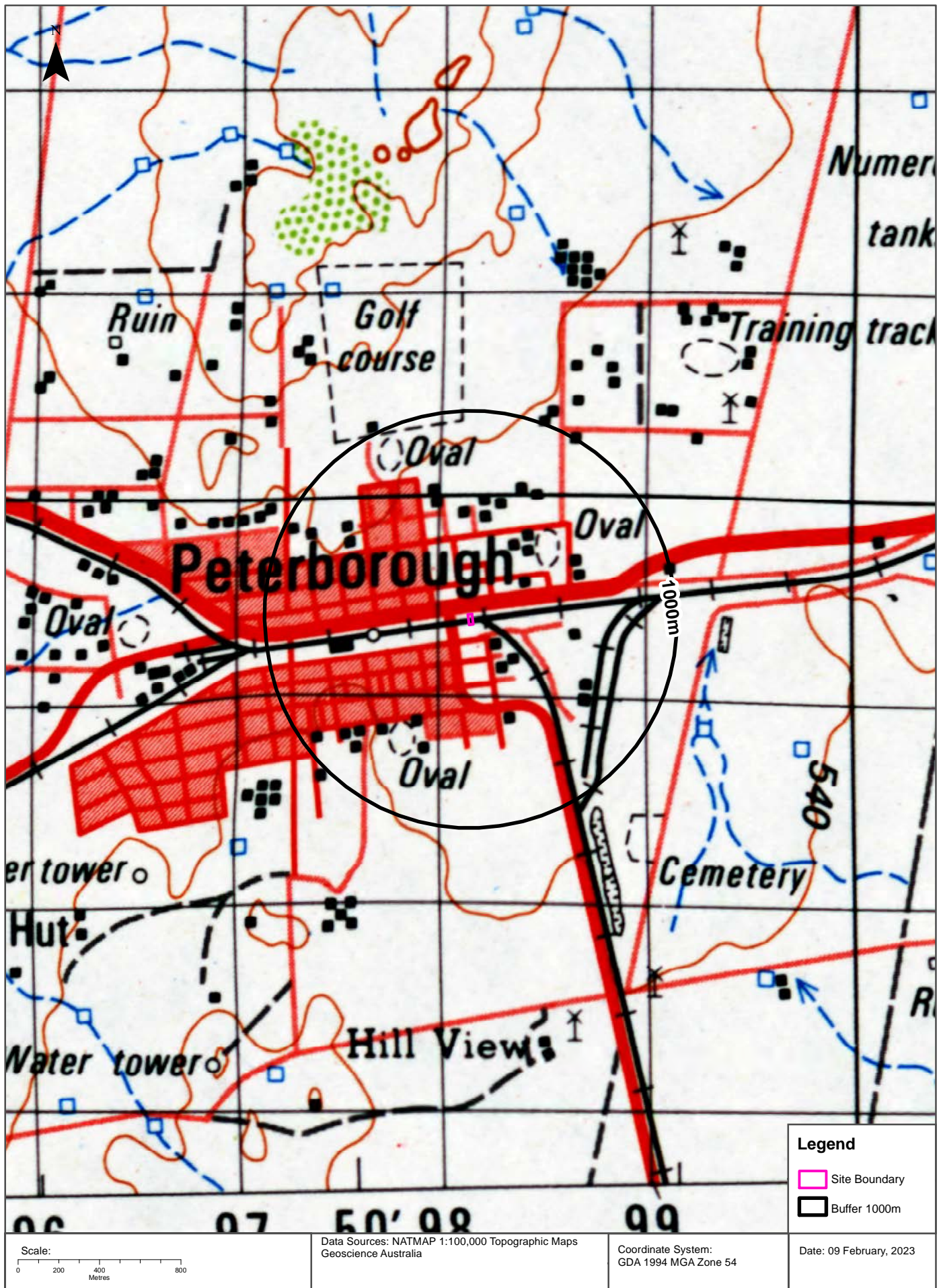
Data Sources Aerial Imagery: © South Australia  
Department for Environment & Water

Coordinate System:  
GDA 1994 MGA Zone 54

Date: 09 February 2023

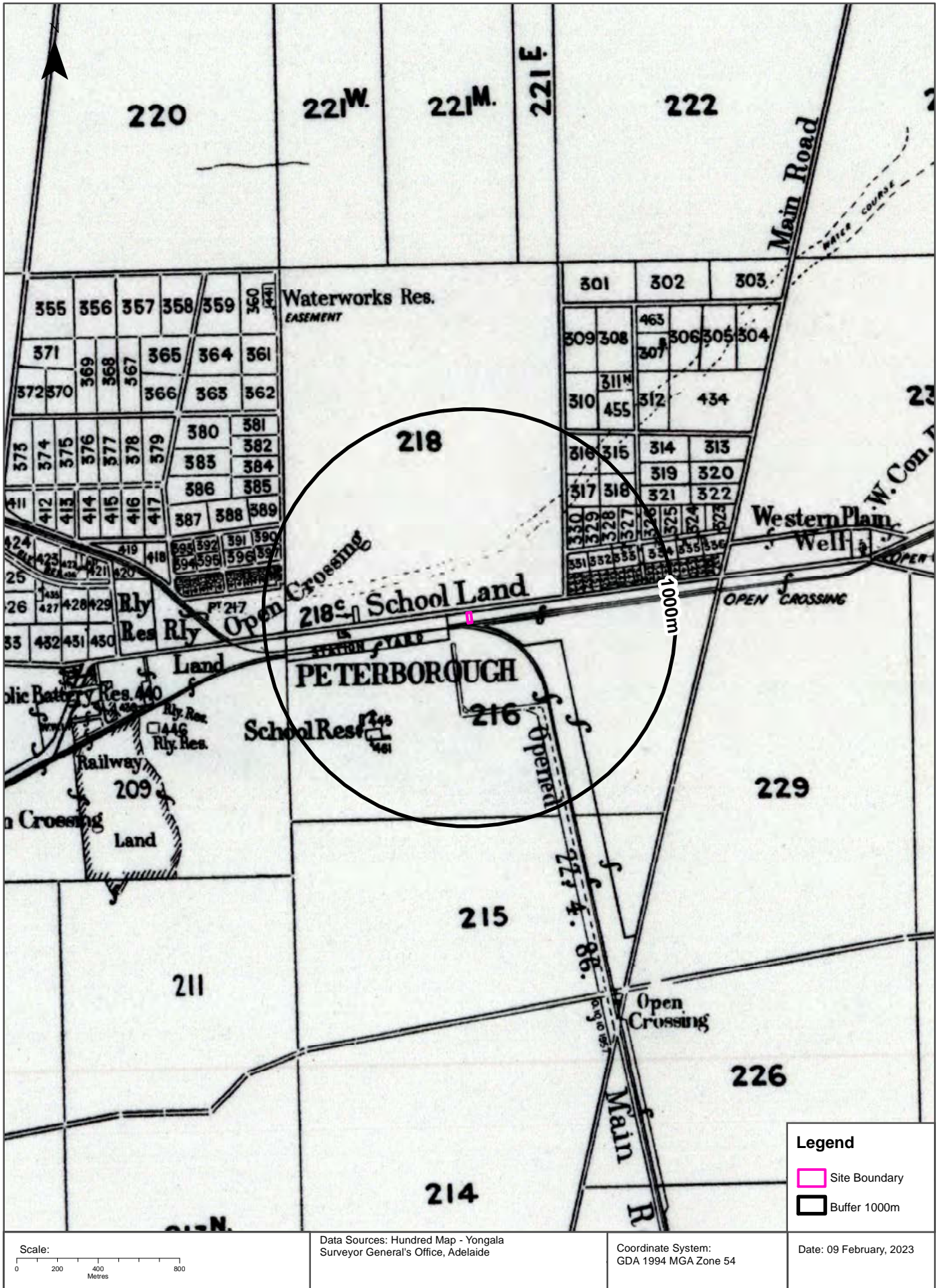
# Historical Map 1983

86 Main Street, Peterborough, SA 5422



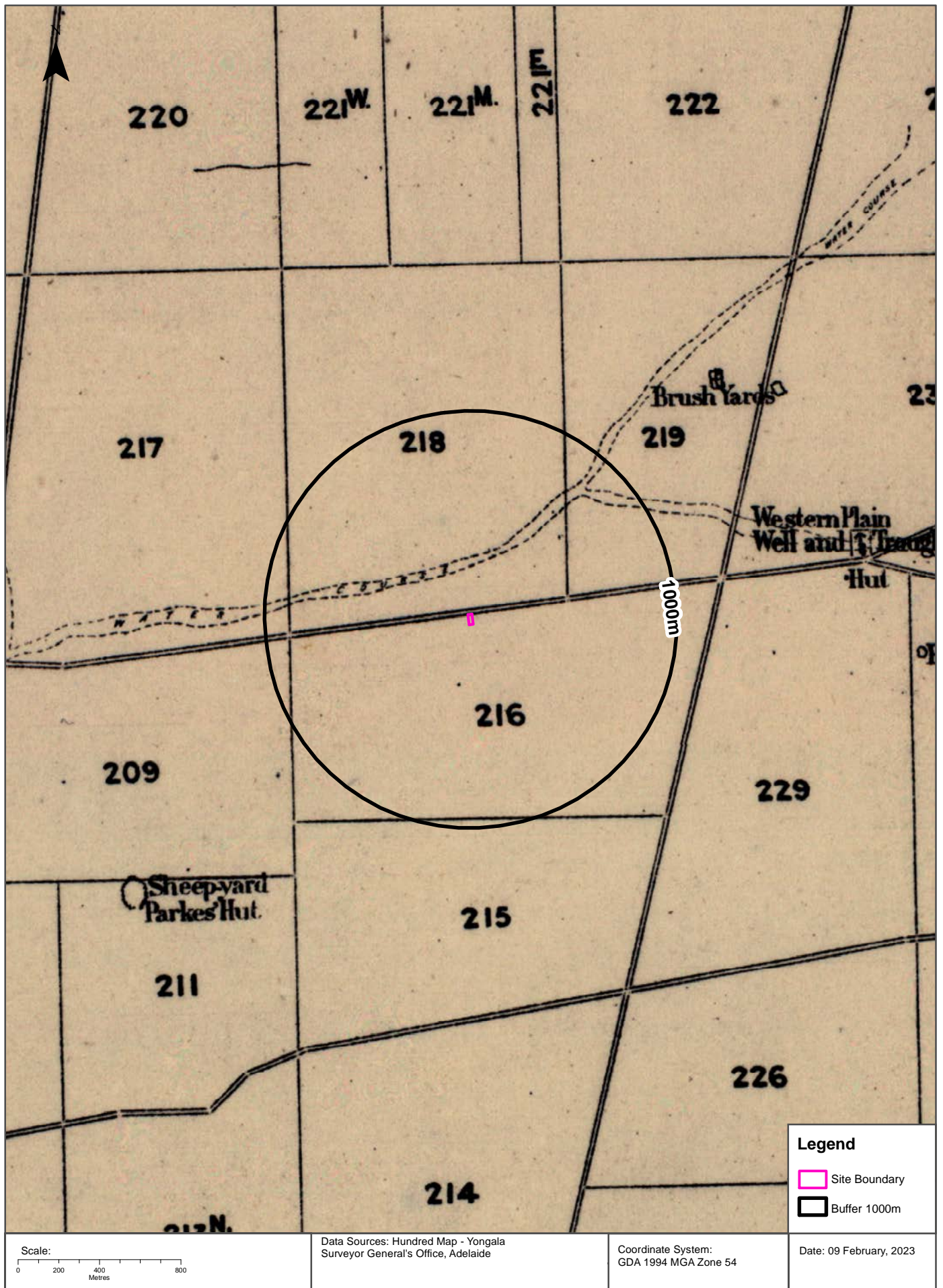
# Historical Map 1964

86 Main Street, Peterborough, SA 5422



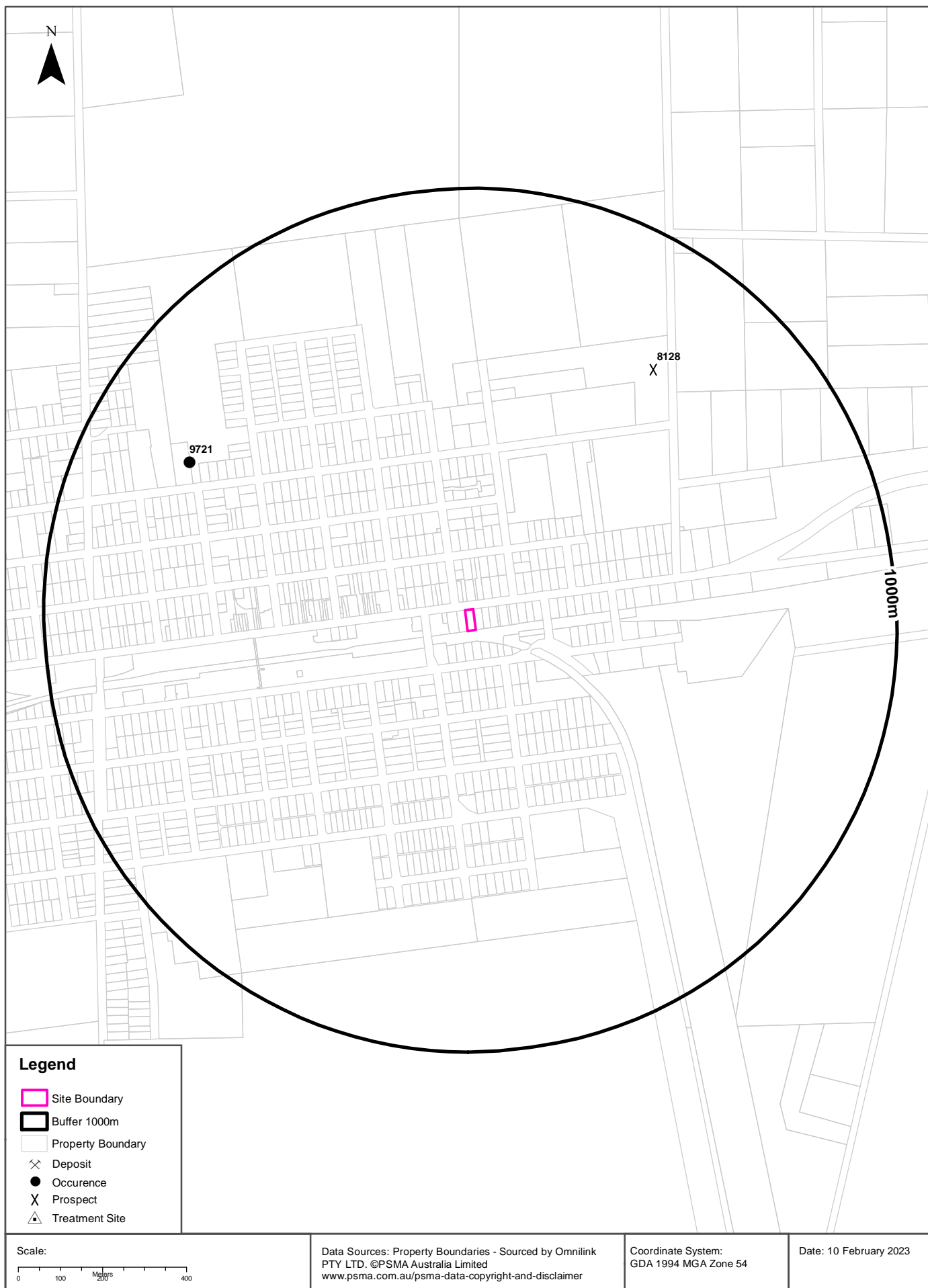
# Historical Map 1878

86 Main Street, Peterborough, SA 5422



# Mines and Mineral Deposits

86 Main Street, Peterborough, SA 5422



# Mining

86 Main Street, Peterborough, SA 5422

## Mines and Mineral Deposits

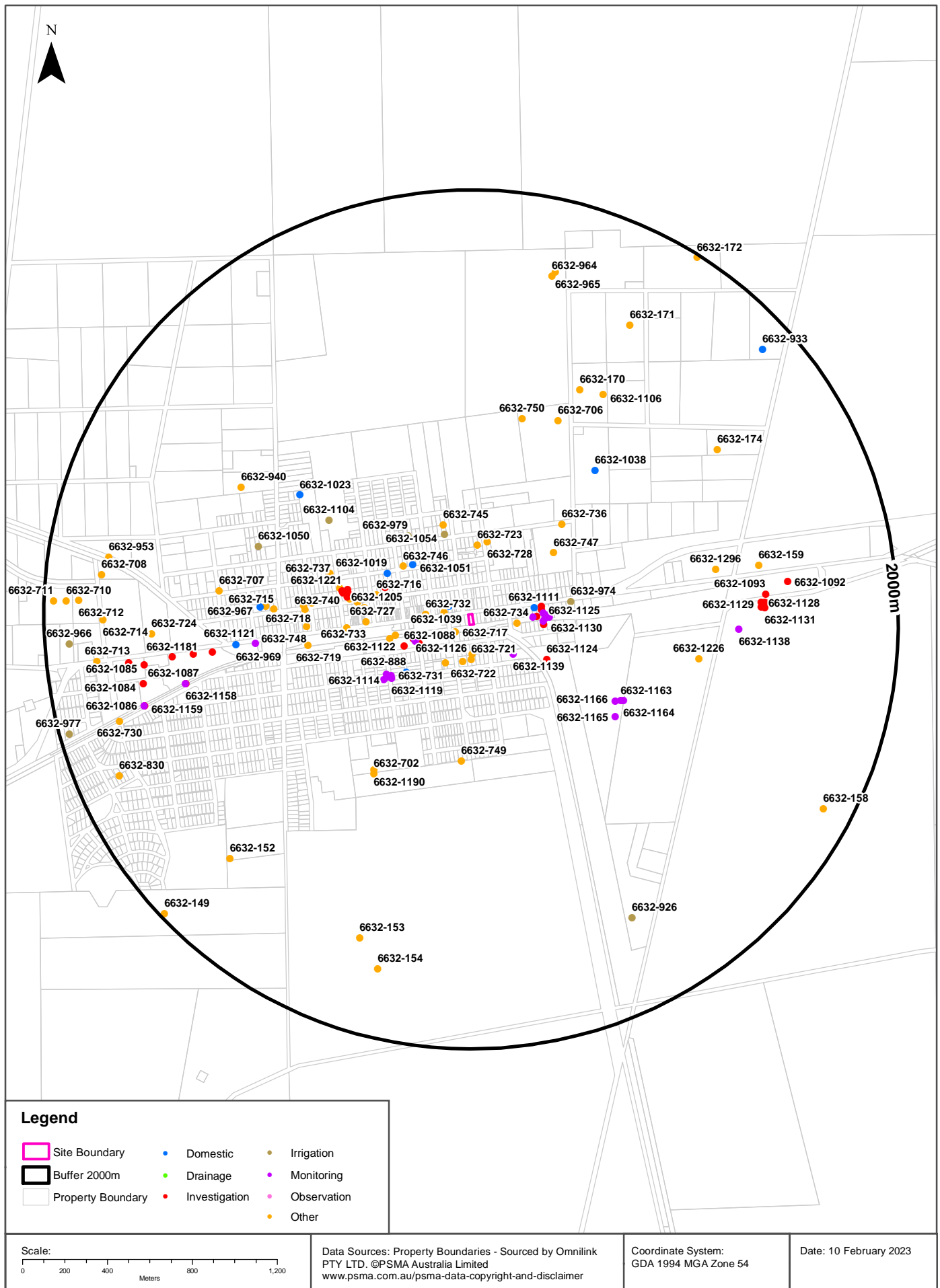
Mines and mineral deposits within the dataset buffer:

Deposit No.	Name	Class	Status	Commodity	Year	Description	Dist	Dir
8128	COTTON	PROSPECT	Abandoned	Clay	1935	alluvial clay deposit worked in the mid 1930s to produce a pale red brick said to be of fair quality. The clay is reddish to orange-brown, and somewhat limy and friable. Considerable resources appear to be available.	712m	North East
9721	VICTORIA	OCCURRENCE	Abandoned	Sandstone		no historical details, 2 quarries 10-20m wide extending in a NNE direction for 240m. Developed on narrow unit of weathered feldspathic sandstone of the Appila Tillite, presumably for building stone.	742m	North West

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

86 Main Street, Peterborough, SA 5422



# Groundwater and Drillholes

86 Main Street, Peterborough, SA 5422

## Groundwater Aquifers

Groundwater aquifers within the dataset buffer:

Aquifer Code	Description	Distance	Direction
30	Fractured Rocks - Cambrian and Precambrian rocks - quartzite, sandstone, limestone, dolomite, slate, marble, siltstone, phyllite, schist and gneiss	0m	On-site

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

Drillholes within the dataset buffer:

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6632-717	68325							536.47								75m	South West
6632-1039	147432			Domestic	1995-02-12	21.00		537.62	7.00	3731	6630	0.0500	11.00	11.00	526.62	99m	North West
6632-743	68351				1914-05-30	33.53		538.03					16.76	16.76	521.27	114m	West
6632-725	68333							538.17								141m	South
6632-721	68329							538.95		5069	8933		13.72	13.72	525.23	164m	South
6632-722	68330					18.29		539.17		2899	5184		13.72	13.72	525.45	175m	South
6632-732	68340							539.00								200m	West
6632-734	68342							539.50								204m	East
6632-729	68337							537.17		1742	3140					211m	South West
6632-1139	193316	WRPR 01	Backfilled	Monitoring	2001-01-31	19.00		541.00								232m	South East
6632-1089	171970	GW 7		Investigation	1997-11-03	20.20		536.69					10.06	10.06	526.63	254m	South West
6632-1127	192104	GW 26		Investigation	2000-09-01	13.89		536.13					11.18	11.18	524.95	257m	West
6632-1126	192103	GW 25		Investigation	2000-09-01	14.92		536.23								258m	West
6632-1143	194950	GW 8B		Monitoring	2001-01-30	18.00		536.06								258m	West
6632-1171	200856	MB 2		Monitoring	2002-09-03	22.00		536.22					11.39	11.39	524.83	267m	West
6632-1173	200858	PB 5		Monitoring	2002-09-03	25.00		536.02					12.00	12.00	524.02	268m	West
6632-1174	200859	MB 1		Monitoring	2002-09-03	25.00		536.08					11.60	11.60	524.48	268m	West
6632-1172	200857	PB 6		Monitoring	2002-09-03	22.00		536.01					12.00	12.00	524.01	270m	West
6632-1090	171971	GW 8		Investigation	1997-11-03	27.00		536.00					10.02	10.02	525.98	274m	West
6632-1160	200455	GW 12	Backfilled	Monitoring	1998-10-13	15.70		539.17								281m	East
6632-1111	184264			Domestic	2001-01-22	26.00		539.98				1.0000	9.00	9.00	530.98	293m	East

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6632-1091	171972	GW 9		Investigation		19.00		539.14					11.89	11.89	527.25	299m	East
6632-1088	171954	GW 6		Investigation	1997-11-07	16.00		536.18					9.88	9.88	526.30	324m	West
6632-1125	192102	GW 29		Investigation	2000-09-05	14.90		539.21					12.17	12.17	527.04	326m	East
6632-723	68331		Not Located					536.00								326m	North
6632-1133	192110	GW 33	Backfilled	Investigation	2000-09-06	15.00		539.57					13.35	13.35	526.22	327m	East
6632-1169	200464	GW 23	Backfilled	Monitoring	2000-08-31	14.86		539.71					12.20	12.20	527.51	327m	East
6632-1130	192107	GW 30	Backfilled	Investigation	2000-09-05	14.74		540.00					14.02	14.02	525.98	329m	East
6632-1168	200463	GW 22	Backfilled	Monitoring	2000-08-31	14.93		539.13								332m	East
6632-1161	200456	GW 14	Backfilled	Monitoring	1998-10-13	15.00		539.71								337m	East
6632-1167	200462	GW 21	Backfilled	Monitoring	2000-08-31	14.80		539.57					11.22	11.22	528.35	345m	East
6632-728	68336		Not Located					537.76								346m	North
6632-1051	156009			Domestic	1996-02-21	24.30		536.03	7.90	1793	3230	1.0000				351m	North West
6632-1122	191786	PB 03			2002-05-29	22.00		536.14					12.11	12.11	524.03	352m	West
6632-1162	200457	GW 16	Backfilled	Monitoring	1998-10-14	16.00		539.68								357m	East
6632-888	68496		Operational	Domestic	1982-10-20	27.00		536.81				1.5000	11.10	11.10	525.71	374m	South West
6632-731	68339							537.05								381m	South West
6632-746	68354					16.15		537.26		2213	3975		11.28	11.28	525.98	381m	North West
6632-1123	191787	PB 02			2002-05-29	22.20		535.83					11.98	11.98	523.85	382m	West
6632-1124	192101	GW34	Backfilled	Investigation	2000-09-06	15.00		540.00					12.41	12.41	527.59	382m	South East
6632-1054	161286			Irrigation	1996-07-19	30.00		537.98	4.60	3058	5460	0.2000	15.00	15.00	522.98	393m	North
6632-1223	253315	MW 1		Investigation	2009-11-11	21.00		535.84					12.80	12.80	523.04	411m	West
6632-720	68328							535.00								423m	North West
6632-1019	138430			Domestic	1993-07-10	20.00		535.39	6.20	2807	5020					427m	North West
6632-745	68353					19.81		537.35		1614	2911		19.51	19.51	517.84	436m	North
6632-1115	188503	GW 106		Monitoring	2001-09-18	32.00		538.92					11.15	11.15	527.77	441m	South West
6632-716	68324							535.99								442m	West
6632-1119	190019	GW 109		Monitoring	2001-09-20	31.00		539.00					11.12	11.12	527.88	446m	South West
6632-1120	190020	GW 108		Monitoring	2001-09-19	35.00		539.97					10.56	10.56	529.41	457m	South West
6632-1114	188502	GW 105		Monitoring	2001-09-17	35.00		540.01					10.57	10.57	529.44	459m	South West
6632-974	68582		Operational	Irrigation	1990-01-14	27.12		537.17	7.60	3013	5382	0.3000	14.02	14.02	523.15	467m	East
6632-979	68587		Operational	Irrigation	1991-12-29	24.00		538.09	7.00	2534	4541	2.0000	15.00	15.00	523.09	468m	North West
6632-747	68355					17.98		536.59		2799	5007		17.07	17.07	519.52	478m	North East
6632-1116	188504	GW 107		Monitoring	2001-09-19	32.00		541.00					10.30	10.30	530.70	480m	South West
6632-733	68341							538.97		2627	4705					482m	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
6632-1205	240115				2008-09-03	34.00		535.44		1147	2076	1.0000	13.00	13.00	522.44	490m	West
6632-744	68352					26.82		534.45					20.73	20.73	513.72	525m	West
6632-727	68335					40.54		534.00		528	960	1.1400	24.38	24.38	509.62	564m	West
6632-1400	306506	O TEK MW 2		Investigation	2012-08-16	21.00		534.00					18.00	18.00	516.00	575m	West
6632-1401	306507	O TEK MW 3		Investigation	2012-08-16	21.00		533.92					15.00	15.00	518.92	576m	West
6632-735	68343							537.89								576m	West
6632-1222	253314	MW 2		Investigation	2009-11-12	16.00		534.00					13.50	13.50	520.50	581m	West
6632-736	68344					21.34		538.00		428	778		4.57	4.57	533.43	595m	North East
6632-1399	306505	O TEK MW 1		Investigation	2012-08-16	21.00		533.71								600m	West
6632-1221	253313	MW 3		Investigation	2009-11-12	16.00		533.93					13.50	13.50	520.43	605m	West
6632-740	68348					27.27		533.83		1656	2987		24.38	24.38	509.45	618m	West
6632-749	68357				1975-12-30	86.90		539.90	7.40	2852	5100	1.5000	14.94	14.94	524.96	643m	South
6632-737	68345					38.10		532.48		500	909					669m	West
6632-738	68346					27.74		534.94					24.38	24.38	510.56	680m	West
6632-739	68347					21.34		535.08								738m	West
6632-1166	200461	GW 20	Backfilled	Monitoring	2000-08-30	21.00		541.00								759m	South East
6632-748	68356					21.34		536.00								764m	West
6632-719	68327				1951-05-31	91.44		536.71		1157	2094	1.1100	22.56	22.56	514.15	768m	West
6632-741	68349				1953-12-03	60.96		535.34		857	1554	0.7600	22.86	22.86	512.48	771m	West
6632-742	68350				1954-09-24	62.58		535.98		2056	3699	1.7700	10.97	10.97	525.01	777m	West
6632-1163	200458	GW 17	Backfilled	Monitoring	2000-08-30	19.70		540.62								782m	South East
6632-1104	178075			Irrigation	1999-09-16	71.60		550.14		1490	2690	0.2000	24.00	24.00	526.14	792m	North West
6632-1164	200459	GW 18	Backfilled	Monitoring	2000-08-30	19.51		540.46								792m	South East
6632-1165	200460	GW 19	Backfilled	Monitoring	2000-08-30	20.45		541.31					15.88	15.88	525.43	797m	South East
6632-1190	218906				2006-09-13	64.00		548.15		2710	4850	0.5000	17.60	17.60	530.55	819m	South West
6632-702	68310		Abandoned			34.75		548.47					9.14	9.14	539.33	835m	South West
6632-1038	147431			Domestic	1995-02-09	37.00		536.91	8.10	1340	2420	0.7500				889m	North East
6632-715	68323							533.22								917m	West
6632-750	68358				1980-01-12	71.63		540.62	8.30	1300	2350	4.4200	32.00	32.00	508.62	951m	North
6632-718	68326							533.00		314	571					956m	West
6632-1023	141369		Abandoned	Domestic	1994-02-04	64.00		546.00	7.30	1586	2860	0.1800				974m	North West
6632-967	68575		Operational	Domestic	1989-12-16	23.00		533.00	7.20	2459	4409	2.0000	11.00	11.00	522.00	981m	West
6632-706	68314					41.15		540.76		2056	3699					995m	North East
6632-1121	190572	PB 01		Monitoring	2001-11-05	21.00		535.87								1013m	West

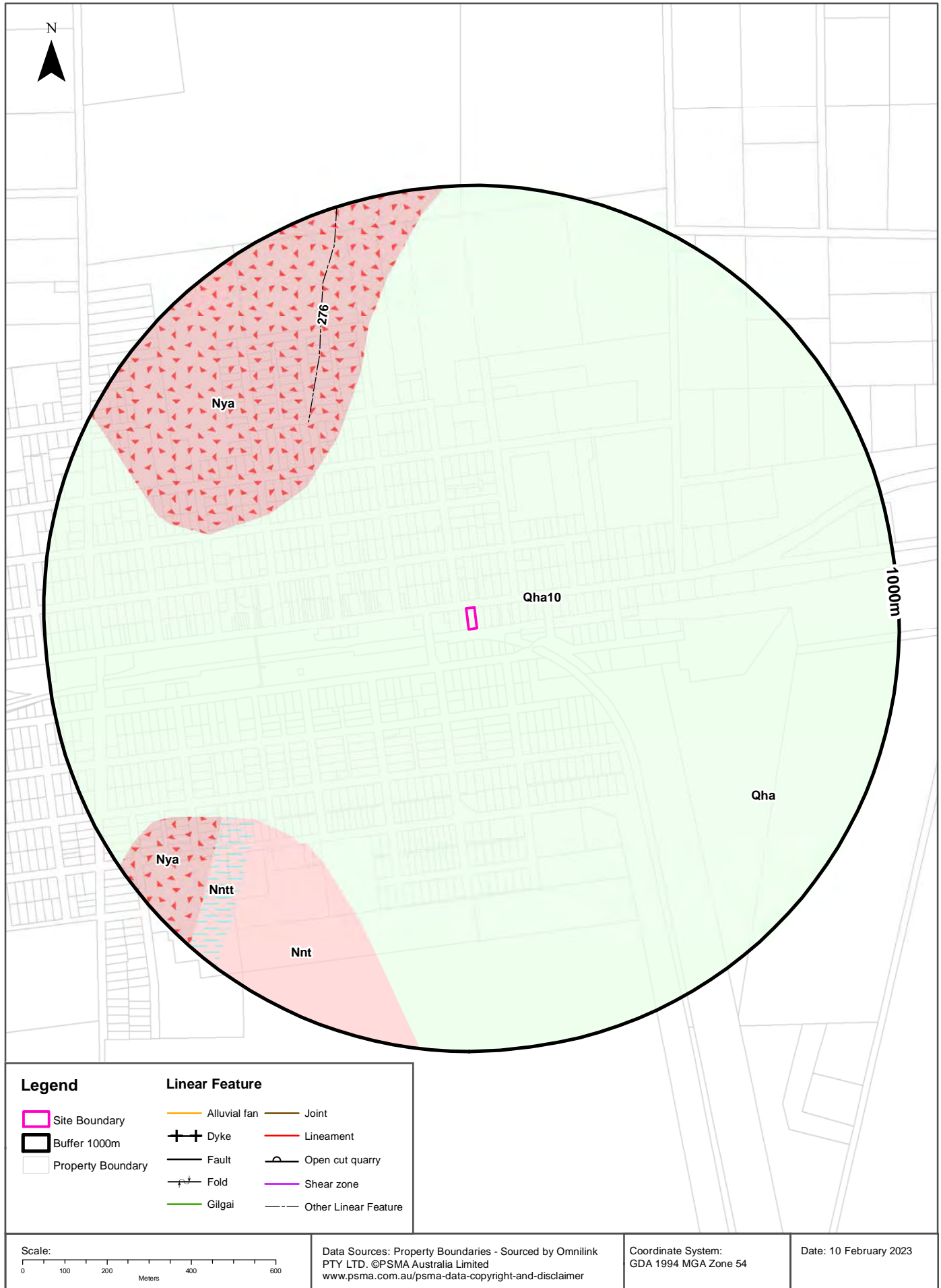
Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6632-1050	153518		Abandoned	Irrigation	1995-12-07	71.60		537.20								1039 m	West
6632-1226	253361				2009-08-31	56.00		538.70		1945	3500	0.5000	14.00	14.00	524.70	1073 m	East
6632-969	68577		Operational	Domestic; Stock	1990-03-10	27.43		535.10	7.00	2756	4930	2.0000	15.00	15.00	520.10	1103 m	West
6632-1296	266671				2011-10-05	45.00		537.58		1759	3170	1.5000	16.00	16.00	521.58	1166 m	East
6632-170	67778					29.57		538.26		985	1785		7.16	7.16	531.10	1172 m	North East
6632-707	68315							532.04		985	1785					1179 m	West
6632-1106	179167			Stock	2000-03-08	38.00		538.91		1166	2110	2.0000	22.00	22.00	516.91	1204 m	North East
6632-1183	203915	GW 103		Investigation	2000-10-25	15.00		534.57								1219 m	West
6632-940	68548				1986-11-10	62.10		546.05				1.2300	15.20	15.20	530.85	1226 m	North West
6632-1138	193315	GW 104		Monitoring	2001-01-31	25.00		534.96								1250 m	East
6632-1182	203913	GW 102		Investigation	2000-10-25	15.00		534.89					11.96	11.96	522.93	1309 m	West
6632-1129	192106	GW 27	Backfilled	Investigation	2000-09-02	24.40		539.55					20.28	20.28	519.27	1356 m	East
6632-1128	192105	GW 28	Backfilled	Investigation	2000-09-02	24.35		539.35					20.06	20.06	519.29	1359 m	East
6632-1087	171953	GW 5	Backfilled	Investigation	1997-11-05	30.50		536.85					11.62	11.62	525.23	1365 m	West
6632-1158	200453	GW 5A	Backfilled	Monitoring	1998-10-12	16.00	516.02									1366 m	West
6632-159	67767					28.04		541.31		3313	5907		26.21	26.21	515.10	1369 m	East
6632-1131	192108	GW 31	Backfilled	Investigation	2000-09-06	24.45		539.42					20.45	20.45	518.97	1373 m	East
6632-1132	192109	GW 32	Backfilled	Investigation	2000-09-06	24.00		539.11					21.15	21.15	517.96	1376 m	East
6632-1093	171974	GW 11	Backfilled	Investigation		24.00		540.09					20.04	20.04	520.05	1383 m	East
6632-174	67782					29.57		541.00		2485	4456		27.74	27.74	513.26	1389 m	North East
6632-1181	203912	GW 101		Investigation	2000-10-25	15.00		533.96					11.96	11.96	522.00	1408 m	West
6632-1092	171973	GW 10		Investigation		36.00		540.46					21.48	21.48	518.98	1492 m	East
6632-724	68332					38.10		532.90		1271	2300	1.7700	24.08	24.08	508.82	1495 m	West
6632-1085	171951	GW 3	Backfilled	Investigation		15.00		534.00					11.58	11.58	522.42	1544 m	West
6632-171	67779							534.02		971	1760					1549 m	North East
6632-1084	171950	GW 1	Backfilled	Investigation	1997-11-07	15.00		533.67					11.45	11.45	522.22	1562 m	West
6632-153	67761					45.72		555.25		2485	4456	0.1300				1564 m	South
6632-926	68534		Operational	Irrigation	1983-08-16	76.20		545.60	7.80	1502	2710	0.1200	76.20	76.20	469.40	1573 m	South East
6632-1086	171952	GW 4	Backfilled	Investigation		22.00		535.00					12.27	12.27	522.73	1578 m	West
6632-152	67760					64.31		546.23								1579 m	South West
6632-1159	200454	GW 4A	Backfilled	Monitoring	1998-10-12	16.00	515.74									1580 m	West
6632-1083	171930	GW 2	Backfilled	Investigation	1997-11-07	18.00		533.06					11.49	11.49	521.57	1616 m	West
6632-964	68572		Backfilled		1989-03-08	30.00		543.89		2835	5070		15.50	15.50	528.39	1634 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
6632-965	68573		Operational	Town Water Supply (Public/Municipal)	1989-03-29	52.00		544.99		2446	4386		18.29	18.29	526.70	1657 m	North
6632-154	67762					39.62		555.17		2413	4329					1678 m	South
6632-730	68338					33.53		536.00		2756	4932	0.0300	20.12	20.12	515.88	1710 m	West
6632-953	68561				1987-12-06	24.00		531.77	7.70	1474	2660		0.00	0.00	531.77	1714 m	West
6632-714	68322				1951-06-20	48.77		528.63		499	907	1.2100	14.63	14.63	514.00	1722 m	West
6632-708	68316					20.42		531.18		857	1554		17.98	17.98	513.20	1737 m	West
6632-713	68321					17.83		532.02		1499	2705		16.61	16.61	515.41	1764 m	West
6632-830	68438		Backfilled		1979-11-11	53.34		539.00	7.80	4595	8120	0.6300	19.20	19.20	519.80	1798 m	South West
6632-712	68320					45.72		529.02		999	1809	0.5300	17.68	17.68	511.34	1837 m	West
6632-933	68541		Operational	Domestic; Stock	1985-05-06	27.00		537.75					18.00	18.00	519.75	1851 m	North East
6632-158	67766							547.70		2527	4530					1862 m	South East
6632-966	68574		Operational	Irrigation	1989-12-09	30.00		528.08		1513	2729		11.00	11.00	517.08	1884 m	West
6632-710	68318					17.68		529.89		771	1400	0.1100	15.54	15.54	514.35	1896 m	West
6632-711	68319					18.29		528.00		971	1760		16.15	16.15	511.85	1955 m	West
6632-977	68585		Operational	Irrigation	1991-07-16	32.00		534.71	7.40	3455	6152	1.0000	0.00	0.00	534.71	1955 m	West
6632-149	67757					48.77		547.65								1981 m	South West
6632-172	67780					39.62		540.02		3098	5532	0.1600	18.29	18.29	521.73	1985 m	North East

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

86 Main Street, Peterborough, SA 5422



# Geology

86 Main Street, Peterborough, SA 5422

## 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
Qha10	Unnamed GIS Unit - see description	Holocene high to low angle slope deposits; colluvium and alluvium, gravelly near source.	Unnamed GIS Unit - see description	UNKNOWN	HOLOCENE	Holocene	Holocene	0m	On-site
Nya	Appila Tillite	Tillite; quartzite; siltstone. Massive, grey.	Yudnamutana Subgroup	ADELAIDE GEOSYNCLINE	NEOPROTEROZOIC	Sturtian	Sturtian	476m	North West
Qha	Unnamed GIS Unit - see description	Undifferentiated Holocene alluvial/fluvial sediments.	Unnamed GIS Unit - see description	UNKNOWN	HOLOCENE	Holocene	Holocene	567m	South East
Nnt	Tapley Hill Formation	Siltstone, grey to black, dolomitic and pyritic grading upwards to calcareous, thinly laminated, locally cross-bedded; dolomite, grey, flaggy to massive; limestone conglomerate, intraformational; greywacke.	Nepouie Subgroup	ADELAIDE GEOSYNCLINE	NEOPROTEROZOIC	Sturtian	Sturtian	636m	South West
Nntt	Tindelpina Shale Member	Shale, pyritic, carbonaceous; thinly laminated grey dolomite beds and lenses.	Tapley Hill Formation	ADELAIDE GEOSYNCLINE	NEOPROTEROZOIC	Sturtian	Sturtian	675m	South West

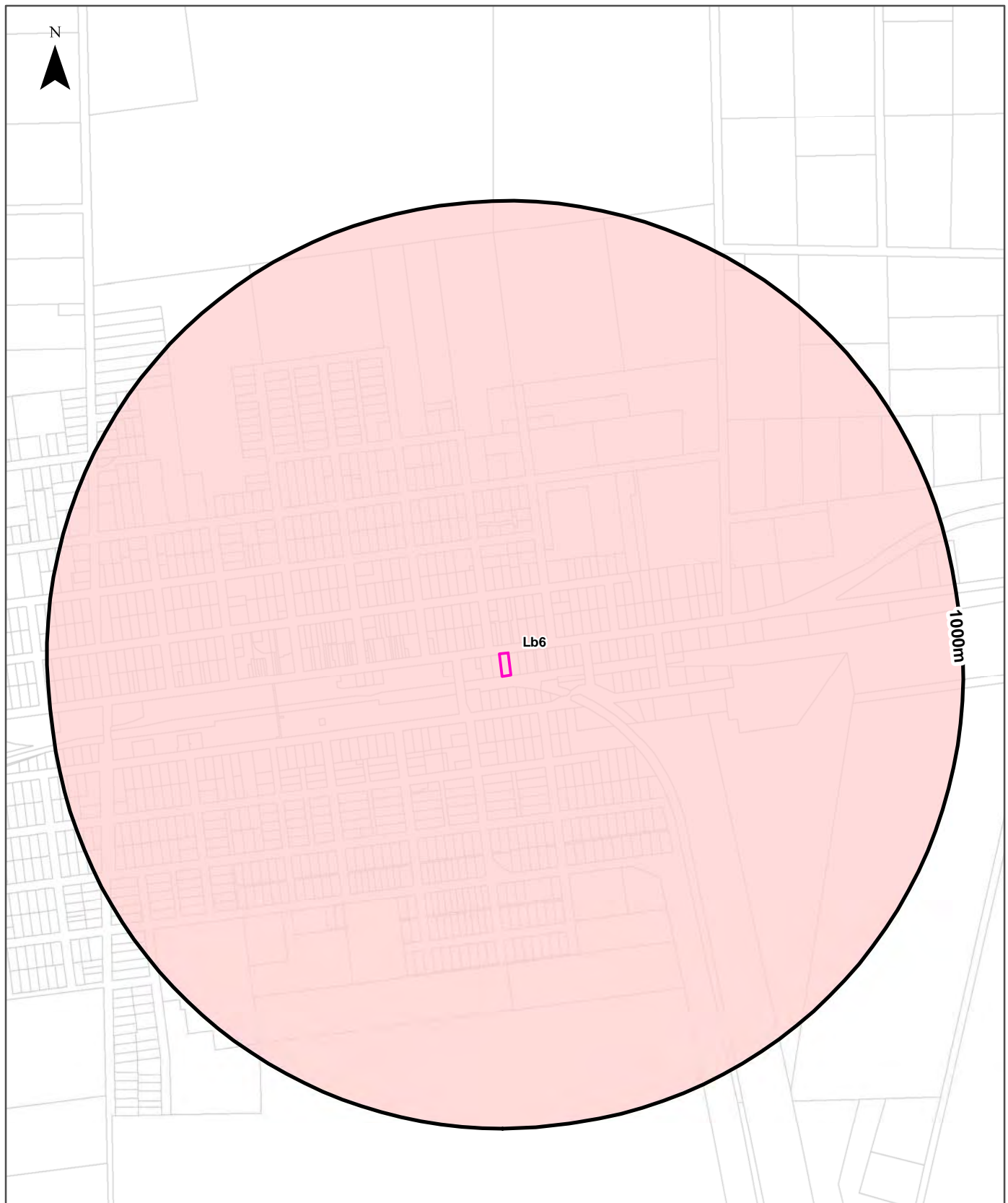
Geology Data Source: Dept of Environment, Water and Natural Resources - South Australia  
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## Linear Structures 1:100,000

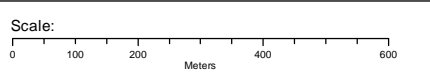
Linear geological structures within the dataset buffer:

Map Code	Description	Distance	Direction
276	Trend-line	578m	North West

Geology Data Source: Dept of Environment, Water and Natural Resources - South Australia  
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<b>Legend</b>		<b>Australian Soil Classification Orders</b>					
Site Boundary	Anthrosol	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: 10 February 2023

## Soils

86 Main Street, Peterborough, SA 5422

### Atlas of Australian Soils

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

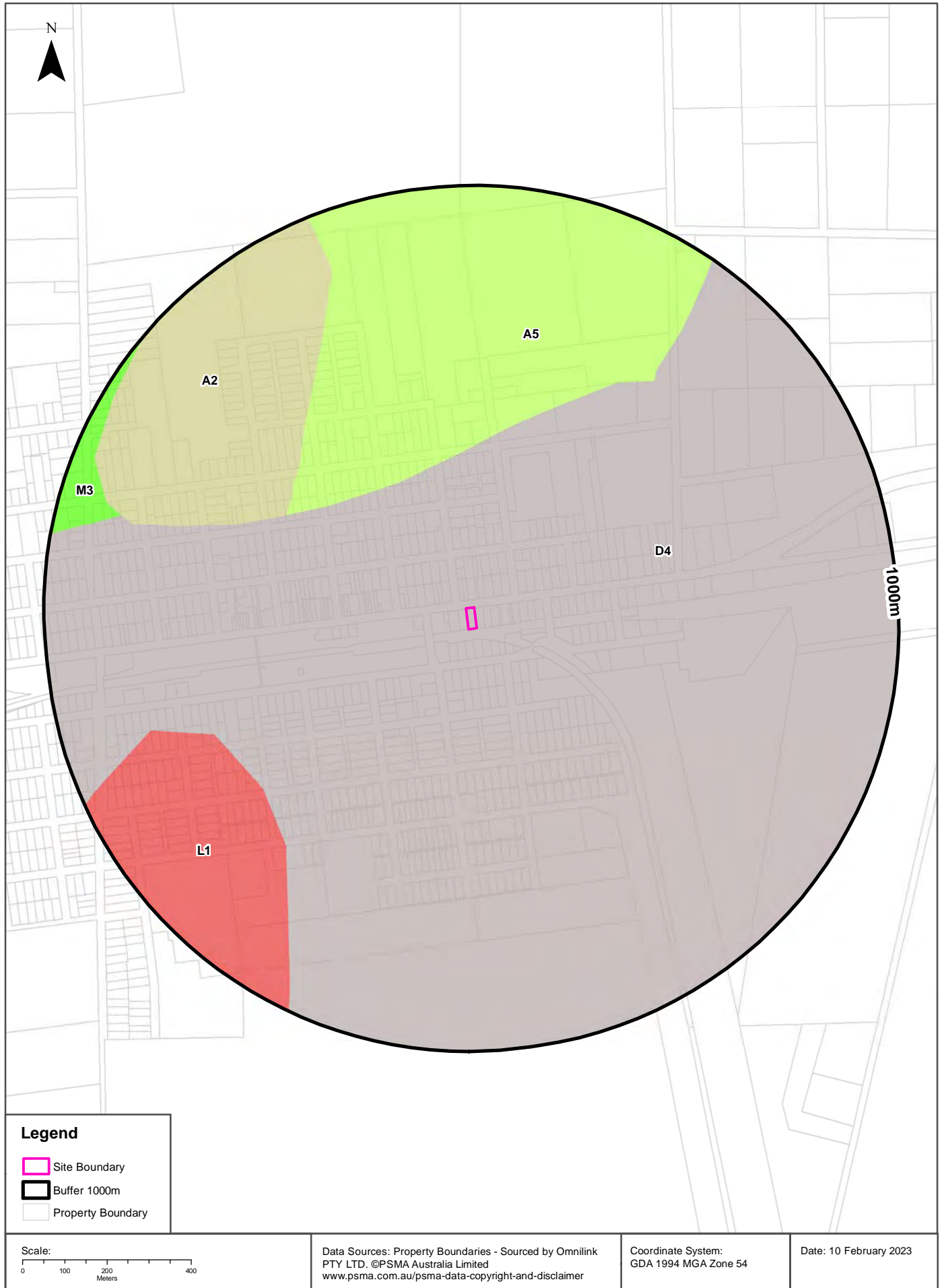
Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
Lb6	Calcarosol	Hills and valleys: hills and hill slopes of grey-brown highly calcareous loamy soils (Gc1.12) with shallow calcareous loamy soils (Um5.11) and brown shallow porous loamy soils (Um6.23) and rock outcrops, traversed by valleys and valley plains of hard alkaline red soils (Dr2.23 and Dr2.33).	0m	On-site

Atlas of Australian Soils Data Source: CSIRO

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# Soil Types

86 Main Street, Peterborough, SA 5422



## Soils

86 Main Street, Peterborough, SA 5422

## Soil Types

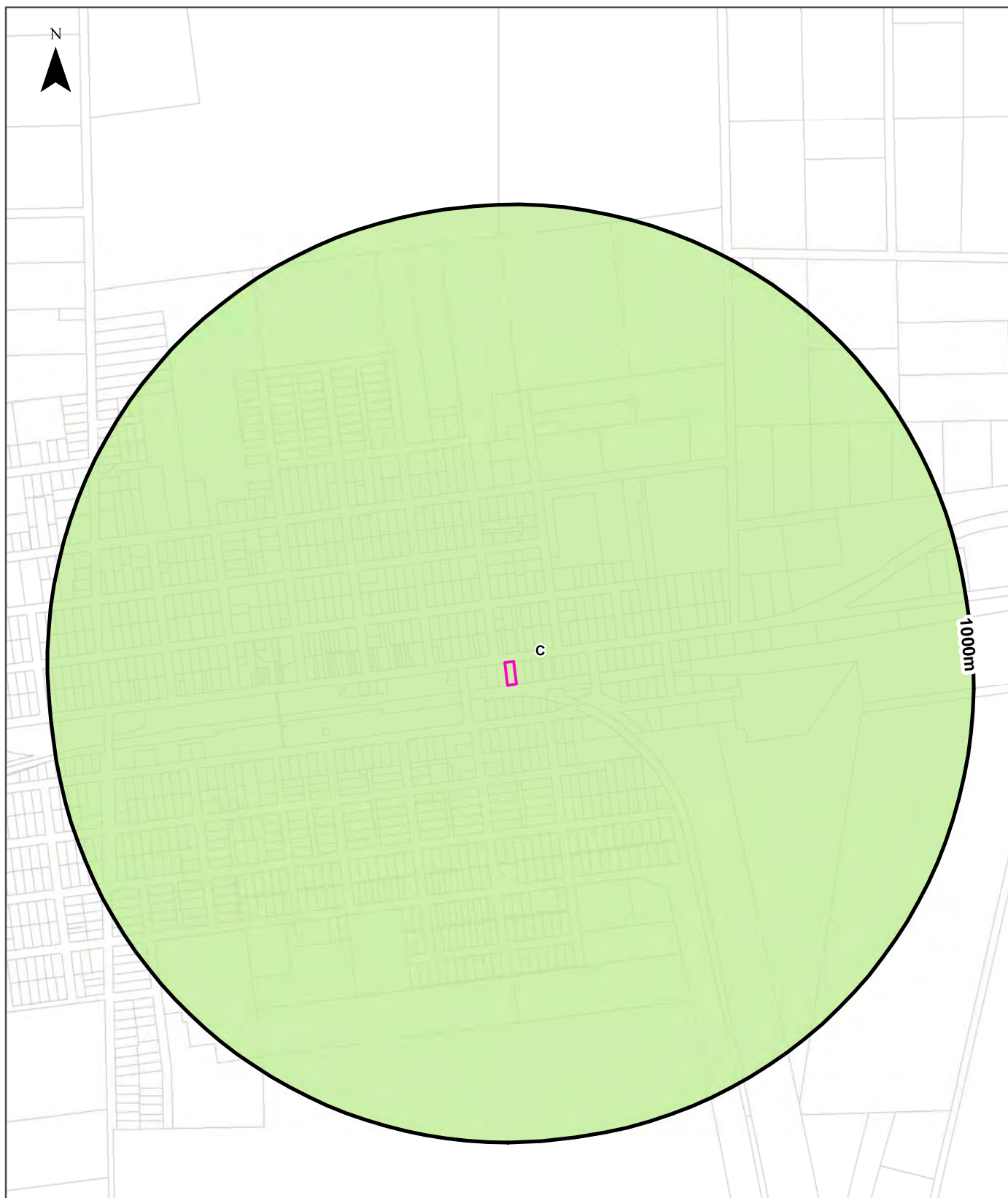
Soil types within the dataset buffer:

Map category code	Soil type description	Distance	Direction
D4	Loam over pedaric red clay	0m	On-site
A5	Calcareous loam on clay	338m	North
A2	Calcareous loam on rock	481m	North West
L1	Shallow soil on rock	617m	South West
M3	Deep gravelly soil	847m	West








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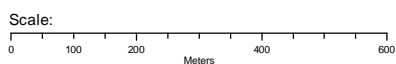
# Atlas of Australian Acid Sulfate Soils

86 Main Street, Peterborough, SA 5422



## Legend

- |   |  |   |
|---|--|---|
|  Site Boundary     | <b>Probability of occurrence of Acid Sulfate Soils</b>   |   |
|  Buffer 1000m      |  A. High (>70%) |  C. Extremely Low (1-5%) |
|  Property Boundary |  B. Low (6-70%) |  D. No Chance (0%)       |



Data Sources: Property Boundaries - Sourced by Omnilink PTY LTD. ©PSMA Australia Limited  
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## Acid Sulfate Soils

86 Main Street, Peterborough, SA 5422

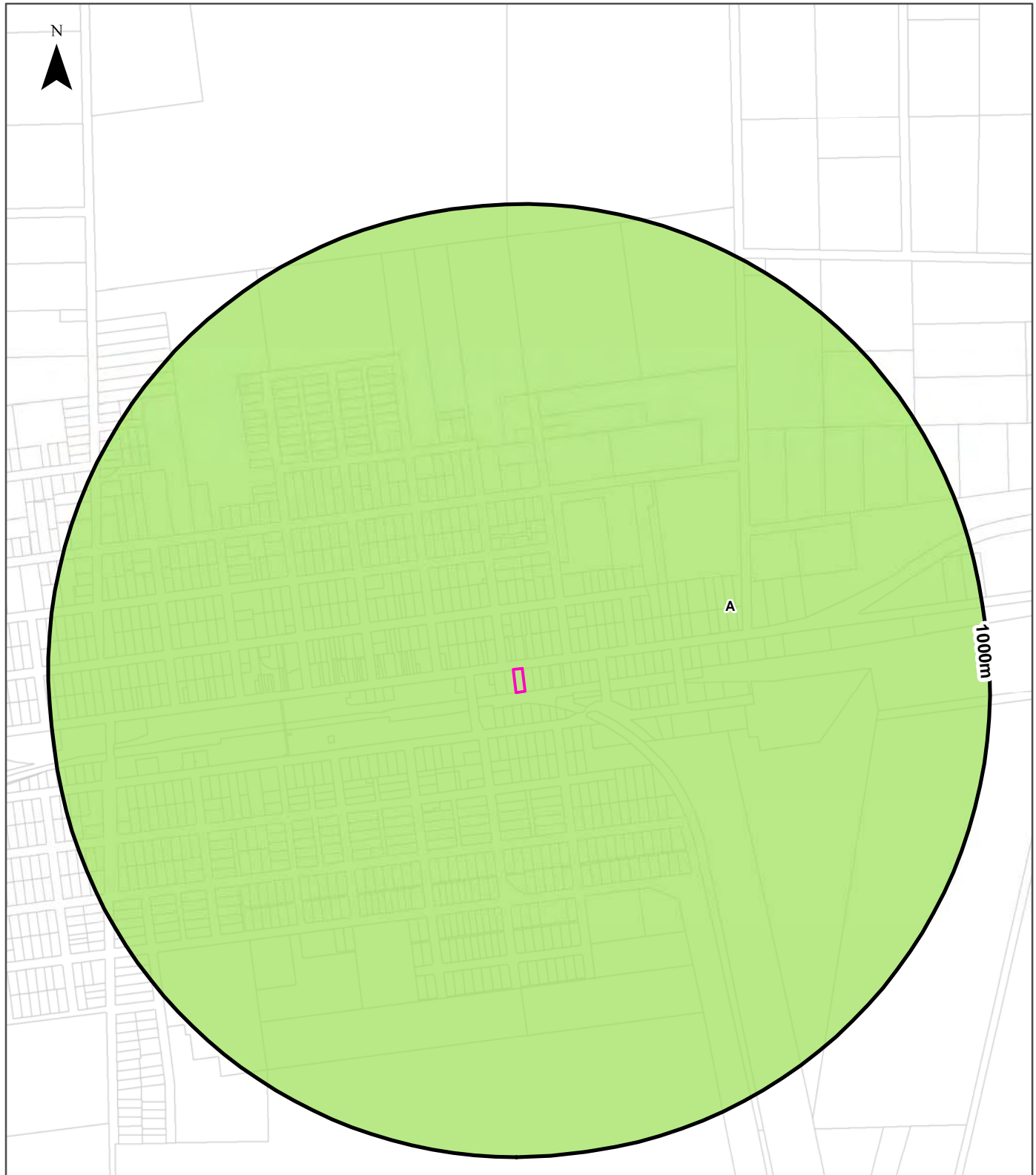
### Atlas of Australian Acid Sulfate Soils

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

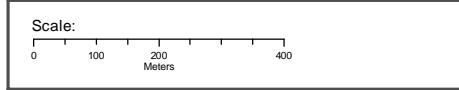
Class	Description	Distance	Direction
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m	On-site

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Legend		Proportion of land susceptible to the development of Acid Sulfate Soils	
Site Boundary	Negligible	30-60%	More than 60%
Buffer 1000m	1-10%	Incomplete data (usually wet inland areas)	Not applicable - No assessment/analysis
Property Boundary	10-30%		



Data Sources: Property Boundaries - Sourced by Omnilink PTY LTD. ©PSMA Australia Limited  
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## Acid Sulfate Soils

86 Main Street, Peterborough, SA 5422

### Acid Sulfate Soil Potential

Acid sulfate soil potential within the dataset buffer:

Map category code	Proportion of land susceptible to the development of acid sulfate soils	Distance	Direction
A	Negligible	0m	On-site

Acid Sulfate Soils Data Source: Dept of Environment, Water and Natural Resources - South Australia  
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# Soil Salinity - Watertable Induced

86 Main Street, Peterborough, SA 5422



Legend		Severity of watertable induced soil salinity		
Site Boundary	A. Negligible	D. Moderately high	G. Very high to extreme	
Buffer 1000m	B. Moderately low	E. Moderately high to high	X. Not applicable	
Property Boundary	C. Moderate	F. High		



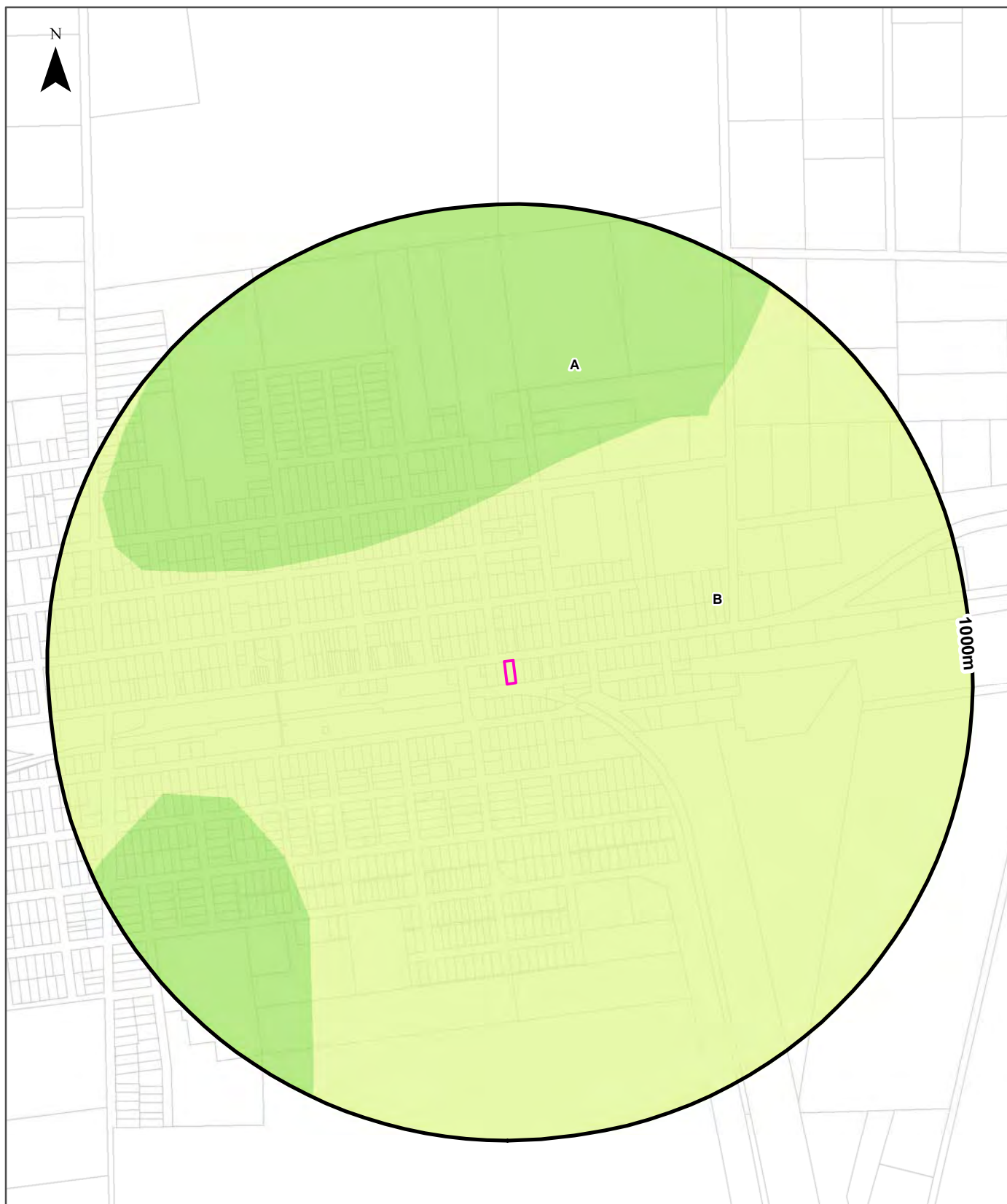
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Coordinate System:  
GDA 1994 MGA Zone 54

Date: 10 February 2023

# Soil Salinity - Non-watertable

86 Main Street, Peterborough, SA 5422



Legend		Severity of non-watertable induced soil salinity	
Site Boundary	A. Low	D. Moderately high to high	
Buffer 1000m	B. Moderately low	X. Not applicable	
Property Boundary	C. Moderate		



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Date: 10 February 2023

# Soil Salinity - Non-watertable (Magnesia Patches)

86 Main Street, Peterborough, SA 5422



**Legend**

Site Boundary	<b>Proportion of land affected by magnesia patches</b>		
Buffer 1000m	A. Negligible	C. 2-10%	E. More than 50%
Property Boundary	B. Up to 2%	D. 10-50%	X. Not applicable



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Date: 10 February 2023

## Soil Salinity

86 Main Street, Peterborough, SA 5422

### Soil Salinity - Watertable Induced

Watertable induced soil salinity within the dataset buffer:

Map category code	Severity description	Distance	Direction
A	Negligible	0m	On-site

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

Non-watertable soil salinity within the dataset buffer:

Map category code	Severity description	Surface ECe (dS/m)	Subsoil ECe (dS/m)	Distance	Direction
B	Moderately low	2-4	4-8	0m	On-site
A	Low	<2	<4	338m	North

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

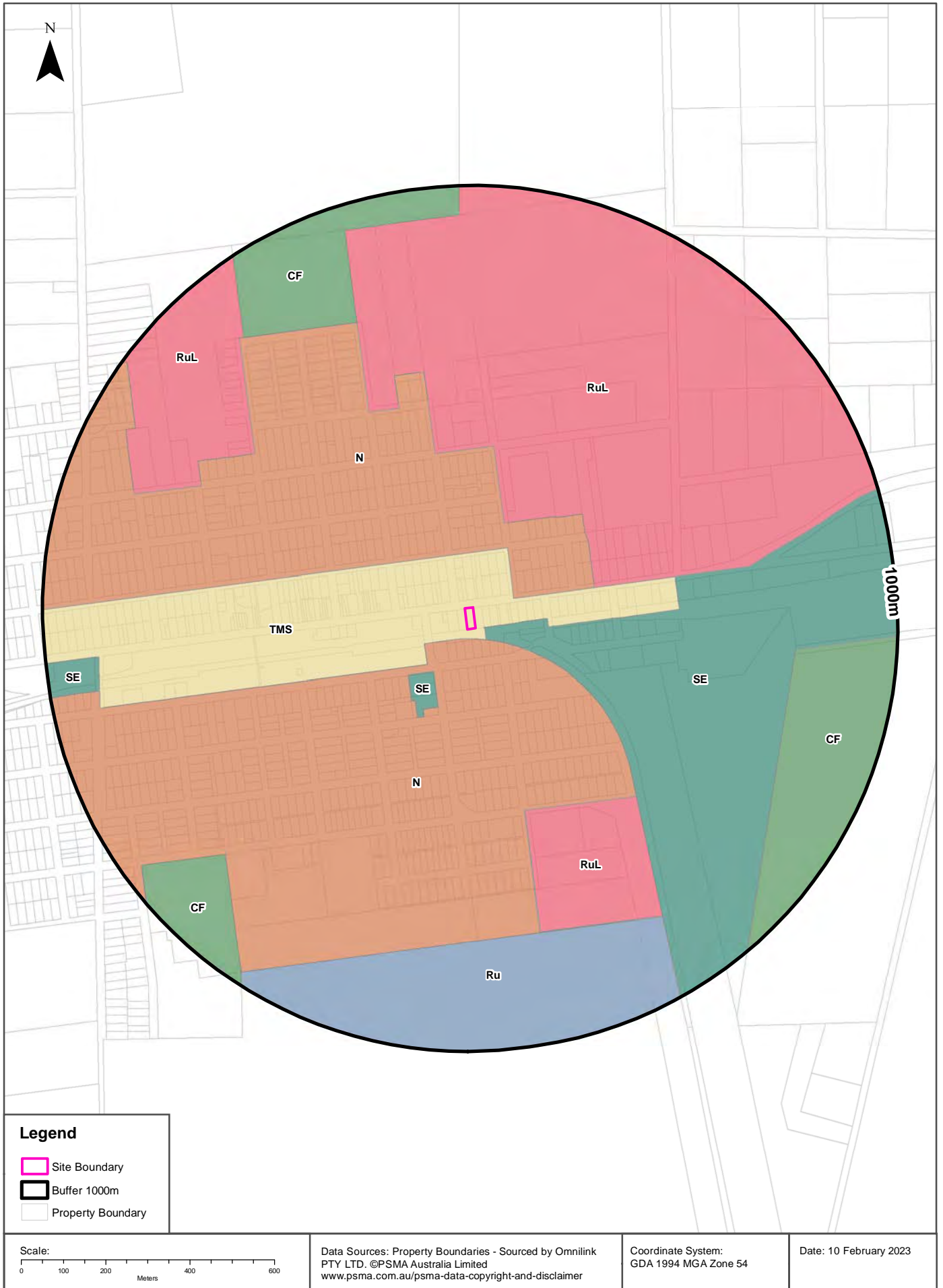
Magnesia patches within the dataset buffer:

Map category code	Proportion of land affected by magnesia patches	Distance	Direction
A	Negligible	0m	On-site

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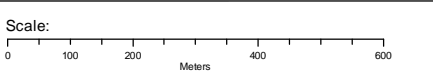
# Planning and Design Code Zones

86 Main Street, Peterborough, SA 5422



**Legend**

- Site Boundary
- Buffer 1000m
- Property Boundary



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Coordinate System:  
GDA 1994 MGA Zone 54

Date: 10 February 2023

# Planning

86 Main Street, Peterborough, SA 5422

## 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
TMS	Z6003	Township Main Street	19/03/2021		0 0m	On-site
SE	Z5720	Strategic Employment	19/03/2021		0 20m	East
N	Z4201	Neighbourhood	19/03/2021		0 23m	South West
N	Z4201	Neighbourhood	19/03/2021		0 98m	North West
SE	Z5720	Strategic Employment	19/03/2021		0 129m	South West
RuL	Z5405	Rural Living	19/03/2021		0 214m	North East
RuL	Z5405	Rural Living	19/03/2021		0 447m	South East
RuL	Z5405	Rural Living	19/03/2021		0 618m	North West
CF	Z0903	Community Facilities	19/03/2021		0 724m	North West
Ru	Z5404	Rural	19/03/2021		0 734m	South
CF	Z0903	Community Facilities	19/03/2021		0 755m	South East
CF	Z0903	Community Facilities	19/03/2021		0 782m	South West
SE	Z5720	Strategic Employment	19/03/2021		0 875m	West

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

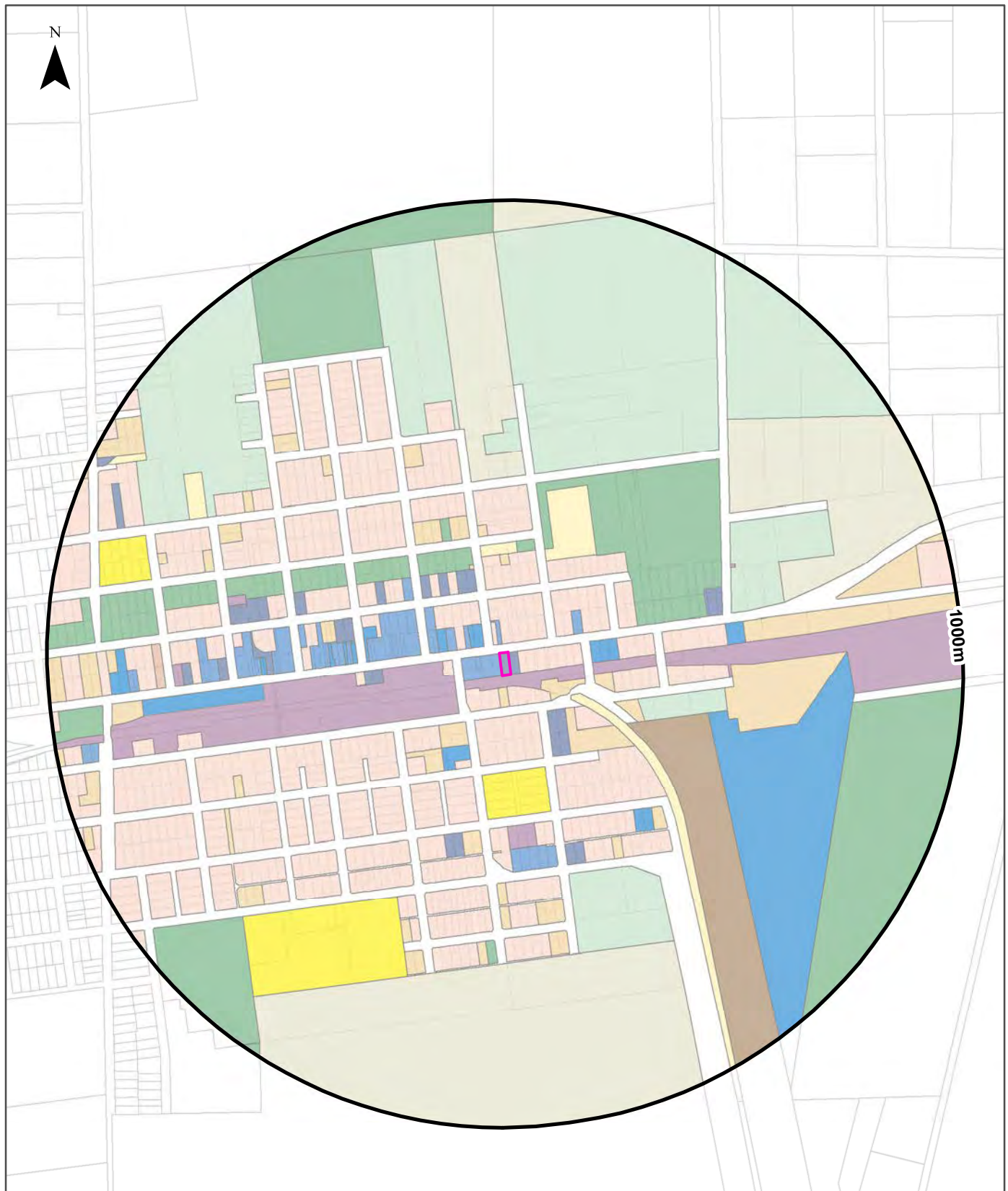
Planning and Design Code subzones within the dataset buffer:

Map Id	Subzone Code	Subzone Name	Legal Start Date	Status	Distance	Direction
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

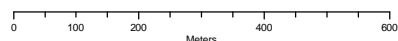
86 Main Street, Peterborough, SA 5422



## Legend

Site Boundary	No Description	Forestry	Retail Commercial
Buffer 1000m	Agriculture	Golf	Rural Residential
Property Boundary	Commercial	Horticulture	Utilities or Industry
Food Industry	Education	Livestock	Vacant
	Mining or Quarrying	Reserves	Vacant Urban Land
	Residential	Non Private Residential	
		Public Institution	
		Recreation	

Scale:



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Coordinate System:  
GDA 1994 MGA Zone 54

Date: 10 February 2023

# Planning

86 Main Street, Peterborough, SA 5422

## Land Use Generalised

Land use classes within the dataset buffer:

Description	Distance	Direction
Public Institution	0m	On-site
Retail Commercial	0m	West
Utilities or Industry	0m	South East
Residential	20m	North
Vacant Urban Land	27m	South
Commercial	37m	North West
Vacant	141m	South East
Reserves	196m	North West
Education	211m	South
Recreation	242m	North East
Agriculture	276m	South East
Rural Residential	285m	East
Livestock	383m	North
Non Private Residential	741m	West
Golf	925m	North

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

86 Main Street, Peterborough, SA 5422

### 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  
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### State Heritage Areas

State Heritage Areas within the dataset buffer:

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

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

SA Heritage Places within the dataset buffer:

Heritage No	Location	Heritage Class	Australian Class	Details	Auth Date	Distance	Direction
26014	85-87 Main Street PETERBOROUGH	Local	Business: Commercial/Retail; Public Toilets	Former CWA Rest Rooms	30/08/2012	20m	North
17252	PETERBOROUGH	Contributory	Hotel - Motel - Inn		7/03/1996	43m	West
26022	96 Main Street PETERBOROUGH	Local	Hotel - Motel - Inn	Federal Hotel	30/08/2012	43m	West
17249	PETERBOROUGH	Contributory	Business: Commercial/Retail		7/03/1996	64m	North West
17250	PETERBOROUGH	Contributory	House		7/03/1996	72m	North East
16004	105-107 Main Street PETERBOROUGH	State	Business: Commercial/Retail	General Store		75m	North West
17251	PETERBOROUGH	Contributory	Historic Sites (unclassified)		7/03/1996	82m	West

Heritage No	Location	Heritage Class	Australian Class	Details	Auth Date	Distance	Direction
17248	PETERBOROUGH	Contributory	Business: Commercial/Retail		7/03/1996	94m	North West
17253	PETERBOROUGH	Contributory	House		7/03/1996	106m	West
26007	34 Railway Terrace and Bourke St PETERBOROUGH	Local	Religious Building; Fence/Wall	St Anacletus Catholic Church	30/08/2012	113m	South East
26013	113 Main Street PETERBOROUGH	Local	Business House - Offices	Elder's Office	30/08/2012	114m	West
17247	PETERBOROUGH	Contributory	Hotel - Motel - Inn		7/03/1996	174m	West
26016	121 Main Street PETERBOROUGH	Local	Hotel - Motel - Inn	Junction Hotel	30/08/2012	174m	West
17246	PETERBOROUGH	Contributory	Restaurant - Cabaret - Nightclub		7/03/1996	200m	West
17244	PETERBOROUGH	Contributory	Business: Commercial/Retail		7/03/1996	215m	West
17243	PETERBOROUGH	Contributory	Business: Commercial/Retail		7/03/1996	223m	West
17254	PETERBOROUGH	Contributory	Railway Signal		7/03/1996	227m	West
16000	106 Main Street PETERBOROUGH	State	Hostel - Guest house - Boarding House - Lodge; Religious Building; Clubhouse; Railway Signal	Former Peterborough YMCA (Young Men's Christian Association) Hostel		242m	West
16008	2 Callary Street PETERBOROUGH	State	Accommodation; Religious Building; House	Dwelling (former Bishop's Palace & Convent)		247m	South East
26017	145-149 Main Street PETERBOROUGH	Local	Business: Commercial/Retail; House	Diamond Jubilee Building	30/08/2012	250m	West
16001	108 Main Street PETERBOROUGH	State	Hall	Peterborough Town Hall		262m	West
26008	7 to 11 Jervois Street PETERBOROUGH	Local	Business House - Offices	Former Peterborough Printing Office & Offices	30/08/2012	273m	West
26010	51-53 Kitchener Street PETERBOROUGH	Local	Hall; Religious Building	St Peters Anglican Church and Hall	30/08/2012	273m	North West
26012	13 Jervois Street PETERBOROUGH	Local	Business House - Offices; House	Former Savings Bank of SA and Residence	30/08/2012	280m	West
26015	110 Main Street PETERBOROUGH	Local	Hall; House	Former Institute	30/08/2012	302m	West
17242	PETERBOROUGH	Contributory	Business House - Offices		7/03/1996	315m	West
26019	163-165 Main Street PETERBOROUGH	Local	Business: Commercial/Retail; House	Former Hoile's Pharmacy	30/08/2012	321m	West
16012	2 Jervois Street PETERBOROUGH	State	Law Courts; Police Station; Detention Centre - Gaol - Prison - Penitentiary	Peterborough Police Station, Cells & Courthouse		322m	West
17255	PETERBOROUGH	Contributory	Post Office		7/03/1996	322m	West
17241	PETERBOROUGH	Contributory	Business: Commercial/Retail		7/03/1996	324m	West
26011	59 Kitchener Street PETERBOROUGH	Local	Hall; Religious Building	Former Baptist Church and Tennyson Hall	30/08/2012	344m	West

Heritage No	Location	Heritage Class	Australian Class	Details	Auth Date	Distance	Direction
17240	PETERBOROUGH	Contributory	Business: Commercial/Retail		7/03/1996	385m	West
17256	PETERBOROUGH	Contributory	Railway Signal		7/03/1996	391m	West
17239	PETERBOROUGH	Contributory	House		7/03/1996	415m	West
26021	191 Main Street PETERBOROUGH	Local	Business House - Offices; House	Former ANZ Bank	30/08/2012	415m	West
17257	PETERBOROUGH	Contributory	Railway Signal		7/03/1996	421m	West
16011	Main Street PETERBOROUGH	State	Street Furniture	Peterborough Rotunda		432m	West
16003	193-195 Main Street PETERBOROUGH	State	Hotel - Motel - Inn	Peterborough Hotel		454m	West
25988	88 Railway Terrace PETERBOROUGH	Local	Accommodation; Medical Centre - Clinic - Surgery; House	Former Residence and Surgery	30/08/2012	464m	South West
25987	Railway Reserve PETERBOROUGH	Local	Subway; Pedestrian Tunnel - Underpass; Ramp - Race	Underground Pedestrian Subway	30/08/2012	491m	West
17238	PETERBOROUGH	Contributory	Hotel - Motel - Inn		7/03/1996	543m	West
26023	217-221 Main Street PETERBOROUGH	Local	Hotel - Motel - Inn	Railway Hotel	30/08/2012	543m	West
16005	77-79 Kitchener Street PETERBOROUGH	State	Depot - Store; Council Offices; Major Electricity Installation (Power Station)	Former Peterborough Power Station		558m	West
26024	5 to 7 Meadows Street PETERBOROUGH	Local	Depot - Store; Well	Former E&WS Depot and Well	30/08/2012	570m	West
17237	PETERBOROUGH	Contributory	Business House - Offices		7/03/1996	601m	West
16006	14 Bourke Street PETERBOROUGH	State	House	Dwelling - Koch House		609m	South West
16002	227-231 Main Street PETERBOROUGH	State	Business House - Offices; Theatre - Cinema	Former Capitol Theatre		620m	West
17235	PETERBOROUGH	Contributory	Business House - Offices		7/03/1996	620m	West
25989	104 Railway Terrace PETERBOROUGH	Local	Religious Building	St Peters Lutheran Church	30/08/2012	684m	West
26040	60-78 Queen Street PETERBOROUGH	Local		Peterborough High School	30/08/2012	714m	South West
26025	Park Street PETERBOROUGH	Local	Gate; Fence/Wall	Park Street Entrance and Gateway	30/08/2012	724m	North West
25983	15 Pine Street PETERBOROUGH	Local	House; Tower	Residence	30/08/2012	774m	South West
25986	Queen Street Part Lot 20 PETERBOROUGH	Local	Gate; Fence/Wall	Victoria Park Gates	30/08/2012	783m	South West
17234	PETERBOROUGH	Contributory	Museum		7/03/1996	785m	West
25991	113 Railway Terrace PETERBOROUGH	Local	House; Features related to Railways	Former Railway Superintendent's House	30/08/2012	785m	West

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

## Aboriginal Land

Aboriginal Land within the dataset buffer:

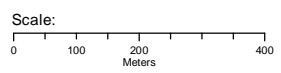
Map Id	Grant Date	Address	Locality	Description	Title	Distance	Direction
N/A	No records in buffer						

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



**Legend**

- |                   |   |                 |
|-------------------|---|-----------------|
| Site Boundary     | <b>Planning and Design Code Bushfire Overlays</b> |                 |
| Buffer 1000m      | High Risk   | Urban Interface |
| Property Boundary | Medium Risk                                       | Outback         |
| Bushfire History  | General   | Regional        |



Data Sources: Property Boundaries - Sourced by Omnilink  
 PTY LTD. ©PSMA Australia Limited  
[www.psm.com.au/psma-data-copyright-and-disclaimer](http://www.psm.com.au/psma-data-copyright-and-disclaimer)

Coordinate System:  
 GDA 1994 MGA Zone 54

Date: 10 February 2023

## Natural Hazards

86 Main Street, Peterborough, SA 5422

## 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		134m	East

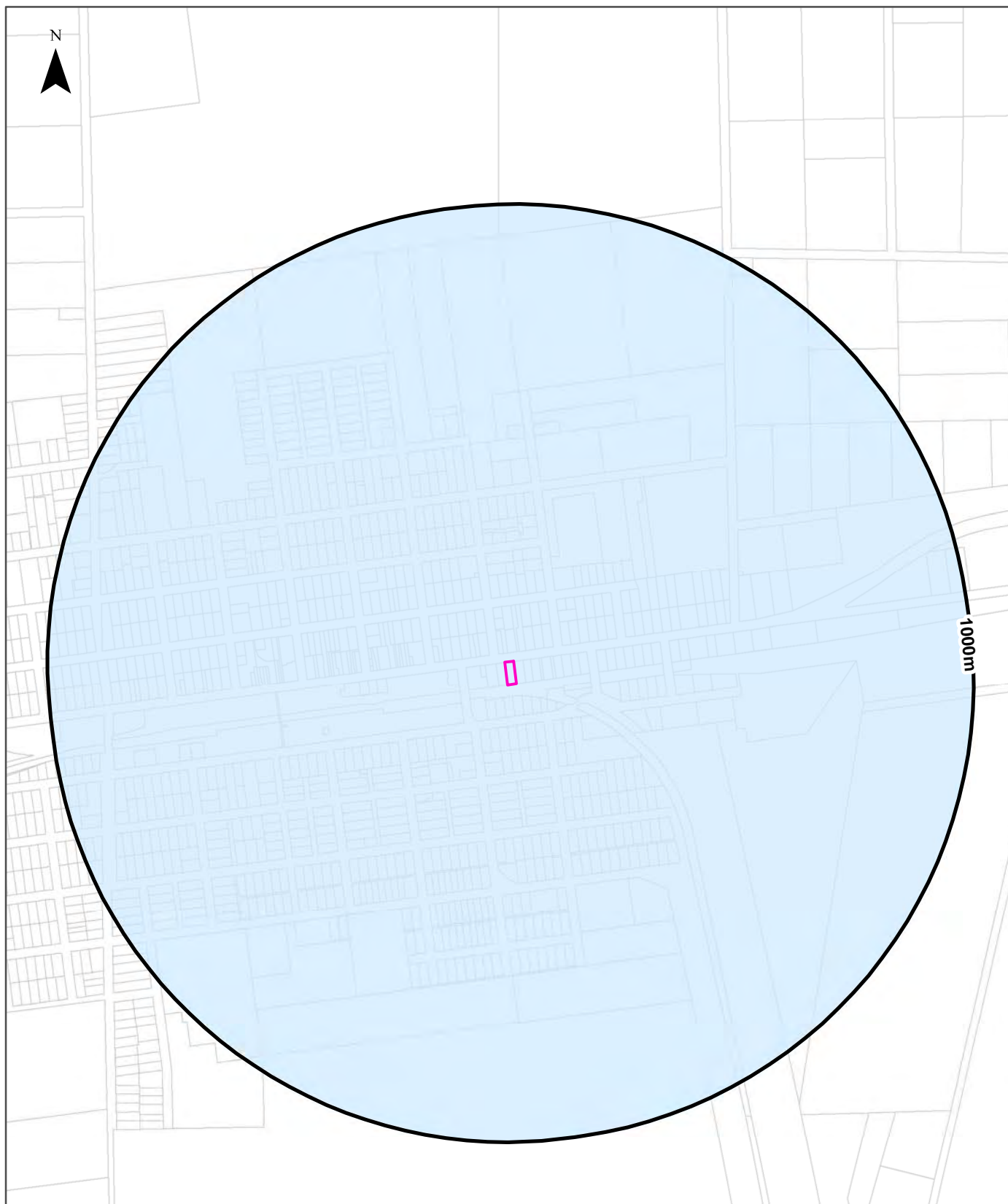
Bushfire Overlays Data Source: Attorney-General's Department - South Australia  
Creative Commons 4.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/4.0/au/deed.en>

## Bushfires and Prescribed Burns History

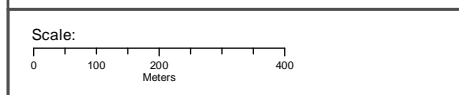
Bushfires and prescribed burns within the dataset buffer:

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  
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[www.psm.com.au/psma-data-copyright-and-disclaimer](http://www.psm.com.au/psma-data-copyright-and-disclaimer)

Coordinate System:  
 GDA 1994 MGA Zone 54

Date: 10 February 2023

## Natural Hazards

86 Main Street, Peterborough, SA 5422

## 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

86 Main Street, Peterborough, SA 5422

## Groundwater Dependent Ecosystems Atlas

Type	Name	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
N/A	No records in buffer						

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

# Ecological Constraints

86 Main Street, Peterborough, SA 5422

## Inflow Dependent Ecosystems Likelihood

Type	Name	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
N/A	No records in buffer						

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology  
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

## Ecological Constraints

86 Main Street, Peterborough, SA 5422

### 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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  - (i) the Report should not be used or taken to indicate or exclude actual fitness or unfitness of Land or Property for any particular purpose
  - (j) the Report should not be relied upon for determining saleability or value or making any other decisions in relation to the Property and in particular should not be taken to be a rating or assessment of the desirability or market value of the property or its features; and
  - (k) the End User should undertake its own inspections of the Land or Property to satisfy itself that there are no defects or failures
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    - (b) any loss of profit, loss of revenue, loss of interest, loss of data, loss of goodwill or loss of business opportunities, business interruption arising directly or indirectly out of or in relation to the Report or these Terms,irrespective of how that liability arises including in contract or tort, liability under indemnity or for any other common law, equitable or statutory cause of action or otherwise.
  12. These Terms are subject to New South Wales law.

# **Appendix C**

**Certificates of Title and SAPPA  
Information**

# South Australia.

(CERTIFICATE OF TITLE.)



Register Book,

Vol. 2335 Folio 16

Pursuant to Memorandum of Transfer No.1821158 Registered on Vol.358 Folio 200 and others

THE MINISTER OF LANDS is the proprietor of an estate in fee simple subject nevertheless to such encumbrances liens and interests as are notified by memorial underwritten or endorsed hereon in THOSE PIECES of land being FIRSTLY the ALLOTMENTS 9.10 and 11 of the subdivision of Section 278 laid out as RAILWAY TOWN and situated in the HUNDRED OF PICHICHI COUNTY OF NEWCASTLE and bounded as appears in the plan deposited in the Lands Titles Registration Office No.985 SECONDLY PORTION OF ALLOTMENT 35 of the subdivision of portion of Section 216 laid out as PETERBOROUGH WHICH said Allotment 35 is bounded as appears in the plan deposited in the Lands Titles Registration Office No.980 THIRDLY PORTION OF ALLOTMENT 4 of the subdivision of portion of Block 1 of portion of Section 216 laid out as PETERBOROUGH WHICH said Allotment 4 is bounded as appears in the plan deposited in the Lands Titles Registration Office No.1074 FOURTHLY the ALLOTMENTS 276.279 and 293 of the subdivision of portion of Section 216 laid out as PETERBOROUGH and bounded as appears in the plan deposited in the Lands Titles Registration Office No.3214 WHICH said pieces of land secondly thirdly and fourthly above described are situated in the HUNDRED OF YONGALA COUNTY OF DALHOUSIE WHICH said pieces of land secondly and thirdly above described are more particularly delineated and bounded as appears in the plan in the margin hereof and therein colored green FIFTHLY the ALLOTMENTS 24.25.26 and 27 of the subdivision of portion of Sections 173 and 174 situated in the HUNDRED OF PINNAROO COUNTY OF CHANDOS and bounded as appears in the plan deposited in the Lands Titles Registration Office No.1824 EXCEPT nevertheless as regards the land fifthly above described the following reservation that is to say EXCEPT AND RESERVED unto Her Majesty Her heirs and successors all gold silver copper tin and other metals ore minerals and other substances containing metals and all gems and precious stones coal and mineral oil in and upon such land and all incidental powers as provided for in "The Crown Lands Act 1903" WHICH said Sections are delineated in the Public maps of the said Hundreds deposited in the Land Office at Adelaide

In witness whereof I have hereunto signed my name and affixed my seal this *fifteenth* day of *July* 19*54*

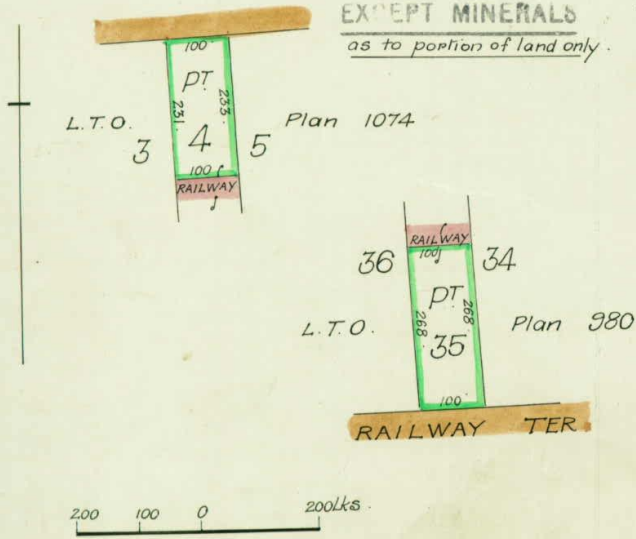
Signed the *15<sup>th</sup>* day of *July* 19*54*, in the presence of *Caroline*

*[Signature]*

Registrar-General.



EXCEPT MINERALS  
as to portion of land only.



TRANSFER No. *1905981* FROM  
 the Minister of Lands  
 to The Fire Brigades Board  
 OF THE WITHIN Part Lot 4  
 PRODUCED FOR REGISTRATION THE *19* DAY OF  
*August* 19*55* AT *11 am*  
*[Signature]*  
 DEP. REG. GENL.

CANCELLED AS REGARDS LAND IN TRANSFER  
 No. *1905981* AND NEW CERTIFICATE  
 OF TITLE ISSUED VOL. *2409* FOLIO *13*  
*[Signature]*  
 DEP. REG. GENL.

*[Handwritten initials]*

TRANSFER No. 1948396 FROM  
 The Minister of Lands  
 to Lloyd Jack Hall  
 OF THE WITHIN Lot 9.  
 PRODUCED FOR REGISTRATION THE 30 DAY OF  
 May 1956 AT 11:20 am  
*J. B. Bennett* DEP. REG. GENL.

CANCELLED AS REGARDS LAND IN TRANSFER  
 No. 1948396 AND NEW CERTIFICATE  
 OF TITLE ISSUED VOL. 2457 FOLIO 171.  
*W. J. Collins* DEP. REG. GENL.

T/1966885

TRANSFER No. 1966885 FROM  
 The Minister of Lands to  
Harold-Victor Schultz  
 OF THE WITHIN Lots 24, 25, 26 and 27  
 PRODUCED FOR REGISTRATION THE 1 DAY OF  
 October 1956 AT 11:30 am  
*W. J. Bennett* DEP. REG. GENL.

CANCELLED AS REGARDS LAND IN TRANSFER  
 No. 1966885 AND NEW CERTIFICATE  
 OF TITLE ISSUED VOL. 2481 FOLIO 29.  
*W. J. Collins* DEP. REG. GENL.

TRANSFER No. 1969559 FROM  
 The Minister of Lands  
 to Carl Berthold Graue  
 OF THE WITHIN Lot 293  
 PRODUCED FOR REGISTRATION THE 19 DAY OF  
 October 1956 AT 11 am  
*W. J. Bennett* DEP. REG. GENL.

CANCELLED AS REGARDS LAND IN TRANSFER  
 No. 1969559 AND NEW CERTIFICATE  
 OF TITLE ISSUED VOL. 2484 FOLIO 109.  
*W. J. Collins* DEP. REG. GENL.

72705433

TRANSFER No. 2705433 To Harbert Bruce  
Rawlins and Myrtle Edna of my  
Rawlins  
 OF THE WITHIN Lot 279  
 PRODUCED 4/3/1966 AT 3:15  
*J. B. Bennett* DEP. REG. GENL.  
 CANCELLED AS REGARDS ABOVE LAND AND NEW C.T. ISSUED  
 VOL. 3395 FOL. 77  
*J. B. Bennett* DEP. REG. GENL.

TRANS 065

TRANSFER No. 2905063 to The  
South Australian Railways  
 Commissioner  
 OF THE WITHIN Part Lot 35  
 PRODUCED 9.3.1968 AT 2:30 pm  
*J. B. Bennett* DEP. REG. GENL.  
 CANCELLED AS REGARDS ABOVE LAND AND NEW C.T. ISSUED  
 VOL. 3557 FOL. 9  
*B. Nelson Hayter* DEP. REG. GENL.  
 (30/12/77)

TRANSFER No. 3012127 to Francis  
Thomas Manfield and  
Beryl Frances Manfield  
 OF THE WITHIN Lot 276  
 PRODUCED 3.6.1969 AT 2:50 pm  
*J. B. Bennett* DEP. REG. GENL.  
 CANCELLED AS REGARDS ABOVE LAND AND NEW C.T. ISSUED  
 VOL. 3642 FOL. 129.  
*B. Nelson Hayter* DEP. REG. GENL.

TRANSFER No. 6826030 To  
Paul Siddell and Mary Violet Siddell  
 Balance of the  
 OF THE WITHIN land  
 PRODUCED 13/11-19 80 AT 11:25  
 CANCELLED AS REGARDS ABOVE LAND AND NEW C.T. ISSUED  
 VOL. 4355 FOL. 691  
 (Official Seal)

South Australia.

(CERTIFICATE OF TITLE.)



Register Book,

Vol. 2409 Folio 13

Pursuant to Memorandum of Transfer No.1905981 Registered on Vol.2335 Folio 16

THE FIRE BRIGADES BOARD of 87 Wakefield Street Adelaide

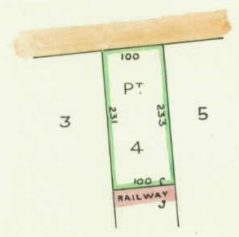
is the proprietor of an estate in fee simple subject nevertheless to such encumbrances liens and interests as are notified by memorial underwritten or endorsed hereon in THAT piece of land situate in the HUNDRED of YONGALA COUNTY of DALHOUSIE being PORTION OF ALLOTMENT 4 of the subdivision of portion of Block 1 of portion of Section 216 laid out as PETERBOROUGH and more particularly delineated and bounded as appears in the plan in the margin hereof and therein colored green WHICH said Allotment is bounded as appears in the plan deposited in the Lands Titles Registration Office No.1074

Which said Section is delineated in the public map of the said Hundred deposited in the Land Office at Adelaide.

In witness whereof I have hereunto signed my name and affixed my seal this Thirty first day of August 1955

Signed the 31st day of August 1955, in the presence of [Signature]

[Signature] Registrar-General. 2120463



MORTGAGE No. 2120463 FROM The Fire Brigades Board TO THE SAVINGS BANK OF SOUTH AUSTRALIA. PRODUCED 17/4/1959 AT 11.30 am. [Signature] DEP. REG. GEN.

DISCHARGE OF MORTGAGE No. 2120 BY ENDORSEMENT THEREON. PRODUCED AT 463. 3.10.1967 12 noon [Signature] DEP. REG. GEN.

CANCELLED CONVERTED TO A COMPUTERISED TITLE

200 100 0 200 M

JM

[Signature]

--	--



S.A. LANDS TITLES OFFICE RE-IDENTIFICATION PLAN

PLAN NUMBER

FP 215525

SHEET 1 OF 1

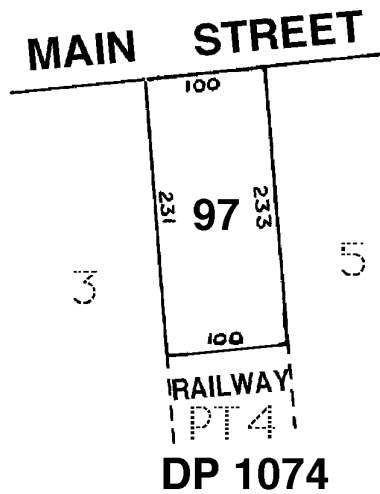
ACCEPTED FOR FILING  
03/11/1998

REGISTRAR-GENERAL

AREA : PETERBOROUGH  
LGA : DISTRICT COUNCIL OF PETERBOROUGH  
HUNDRED : YONGALA  
SECTION : P S 216

THIS PLAN IS SCANNED FOR CERTIFICATE OF TITLE 2409/13

LAST PLAN REF: DP 1074



DISTANCES ARE IN LINKS  
FOR METRIC CONVERSION  
1 LINK = 0.201168 METRES  
1 CHAIN = 100 LINKS

NOTE: SUBJECT TO ALL LAWFULLY EXISTING PLANS OF DIVISION



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



## Certificate of Title - Volume 5670 Folio 797

Parent Title(s)	CT 2409/13			
Creating Dealing(s)	CONVERTED TITLE			
Title Issued	13/07/1999	Edition 1	Edition Issued	13/07/1999

### Estate Type

FEE SIMPLE

### Registered Proprietor

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

### Description of Land

ALLOTMENT 97 FILED PLAN 215525  
IN THE AREA NAMED PETERBOROUGH  
HUNDRED OF YONGALA

### Easements

NIL

### Schedule of Dealings

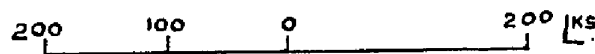
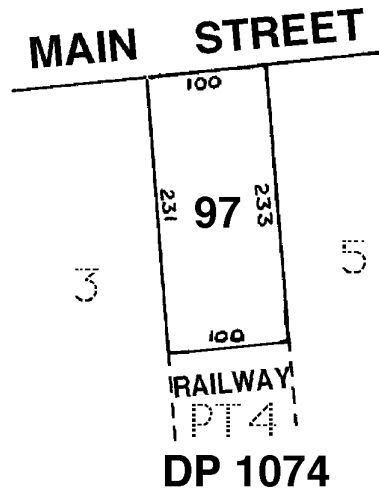
NIL

### Notations

Dealings Affecting Title	NIL
Priority Notices	NIL
Notations on Plan	NIL
Registrar-General's Notes	NIL
Administrative Interests	NIL

THIS PLAN IS SCANNED FOR CERTIFICATE OF TITLE 2409/13

LAST PLAN REF: DP 1074



DISTANCES ARE IN LINKS  
FOR METRIC CONVERSION  
1 LINK = 0.201168 METRES  
1 CHAIN = 100 LINKS

NOTE: SUBJECT TO ALL LAWFULLY EXISTING PLANS OF DIVISION

## Certificate of Title

**Title Reference:** CT 5670/797  
**Status:** CURRENT  
**Parent Title(s):** CT 2409/13  
**Dealing(s) Creating Title:** CONVERTED TITLE  
**Title Issued:** 13/07/1999  
**Edition:** 1

## Dealings

No lodged Dealings found.

South Australia.

(CERTIFICATE OF TITLE.)



Register Book,

Vol. 2409 Folio 13

Pursuant to Memorandum of Transfer No.1905981 Registered on Vol.2335 Folio 16

THE FIRE BRIGADES BOARD of 87 Wakefield Street Adelaide

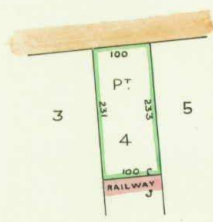
is the proprietor of an estate in fee simple subject nevertheless to such encumbrances liens and interests as are notified by memorial underwritten or endorsed hereon in THAT piece of land situate in the HUNDRED of YONGALA COUNTY of DALHOUSIE being PORTION OF ALLOTMENT 4 of the subdivision of portion of Block 1 of portion of Section 216 laid out as PETERBOROUGH and more particularly delineated and bounded as appears in the plan in the margin hereof and therein colored green WHICH said Allotment is bounded as appears in the plan deposited in the Lands Titles Registration Office No.1074

Which said Section is delineated in the public map of the said Hundred deposited in the Land Office at Adelaide.

In witness whereof I have hereunto signed my name and affixed my seal this Thirty first day of August 1955

Signed the 31st day of August 1955, in the presence of [Signature]

[Signature] Registrar-General. 2120463



MORTGAGE No. 2120463 FROM The Fire Brigades Board TO THE SAVINGS BANK OF SOUTH AUSTRALIA. PRODUCED 17/4/1959 AT 11.30 am. [Signature] DEP. REG. GEN.

DISCHARGE OF MORTGAGE No. 2120463 AT 463. 3.10.1967 12 noon BY ENDORSEMENT THEREON. PRODUCED [Signature] DEP. REG. GEN.

CANCELLED CONVERTED TO A COMPUTERISED TITLE

200 100 0 200 M

JM

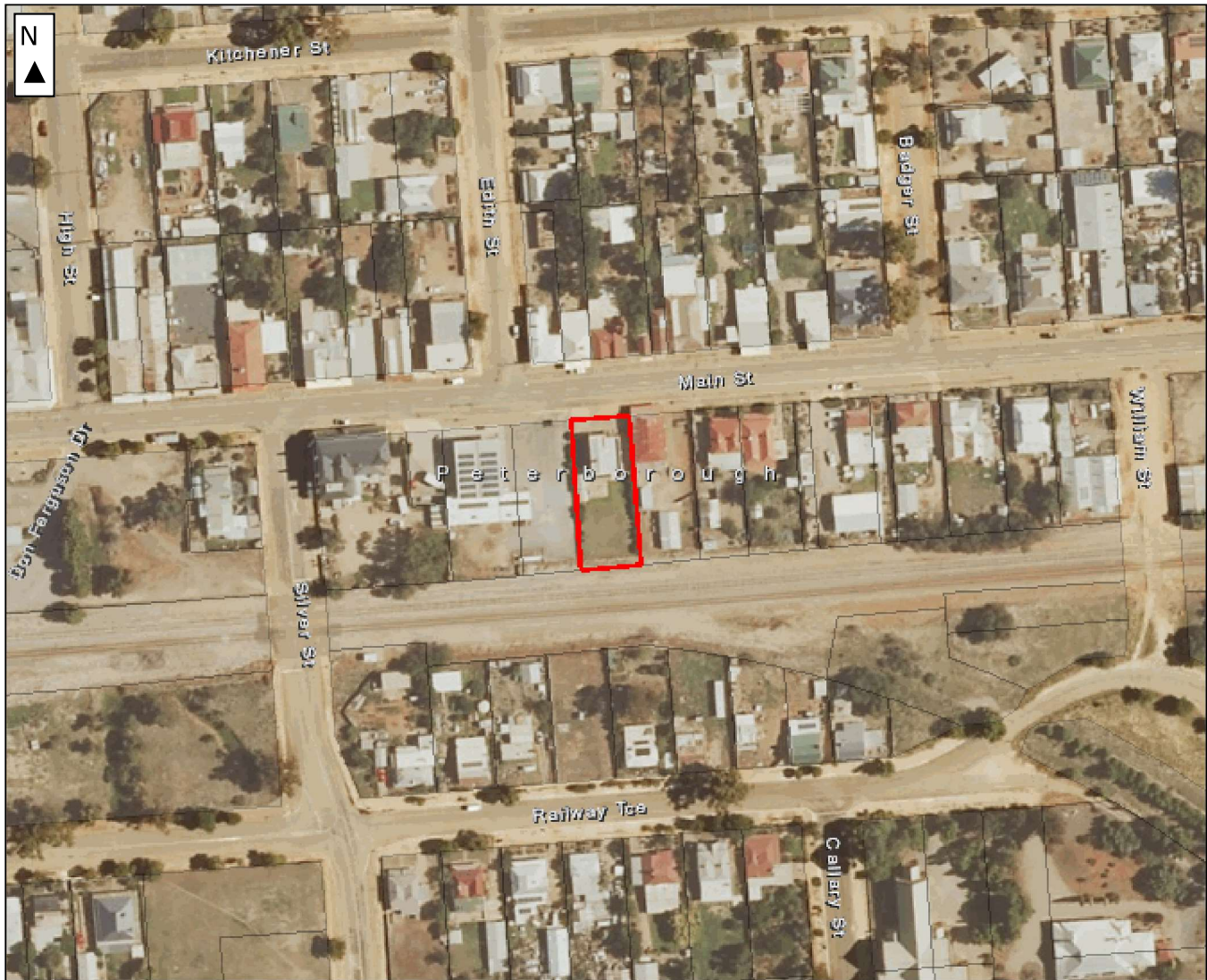
ES

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# 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 ≈ 1:2257 (on A4 page)

**Unit Number:**

100 metres≈

**Street Number:** 86

**Street Name:** MAIN

**Street Type:** ST

**Suburb:** PETERBOROUGH

**Postcode:** 5422

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

## Property Details:

**Council:** THE DC OF PETERBOROUGH

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

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

**Hundred:** YONGALA

**Valuation Number:** 5003019009

The Government of South Australia accepts no liability for the use of this data, or any reliance placed on it.

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**Title Reference:** CT5670/797

**Plan No. Parcel No.:** F215525A97

*Zoning details next page*



**Government of South Australia**  
Attorney-General's Department

## **Zone Details**

### **Zones**

Township Main Street (Z6003) - TMS

### **Overlays**

#### **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.

#### **Key Outback and Rural Routes (O3301)**

The Key Outback and Rural Routes Overlay aims to ensure safe and efficient vehicle movement and access is provided along key outback and rural routes.

#### **Key Railway Crossings (O3302)**

The Key Railway Crossings Overlay seeks to ensure safe, efficient and uninterrupted operation of key railway crossings.

#### **Native Vegetation (O4202)**

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


# **Appendix D**



## **Photographic Log**



### Site Details

<b>Site Name</b>	Peterborough
<b>Site Address</b>	86 Main Street, Peterborough SA 5422
<b>Inspection Date</b>	March 8, 2023 11:00 AM
<b>Inspector (GHD)</b>	



### Photograph Log



ID	Description	Photograph
1	<p><b>Facing:</b> SW</p> <p><b>Description:</b> Front of station, including apron</p>	



ID	Description	Photograph
2	<p><b>Facing: SE</b></p> <p><b>Description:</b> Front of station, including apron</p>	
3	<p><b>Facing: N</b></p> <p><b>Description:</b> Back of station, including rear yard and storage shed</p>	



ID	Description	Photograph
4	<p><b>Facing:</b></p> <p><b>Description:</b> Flooring inside engine room</p>	
5	<p><b>Facing: S</b></p> <p><b>Description:</b> Inside engine room</p>	



ID	Description	Photograph
6	<p><b>Facing: S</b></p> <p><b>Description:</b> Rear yard which backs onto rail line used for freight trains</p>	 <p>The photograph shows a wide, open yard with patchy green and brown grass. In the background, a person wearing a dark uniform is walking. A tall, light-colored fence runs across the middle ground. Beyond the fence, there are residential houses and trees under a blue sky with scattered white clouds.</p>
7	<p><b>Facing: N</b></p> <p><b>Description:</b> Eastern side of station</p>	 <p>The photograph captures a narrow, paved alleyway. On the left is a red brick building with a grey utility box. On the right is a wall made of reddish-brown stone blocks. A concrete path leads away from the camera towards a white fence in the distance. The sky is blue with some clouds.</p>



ID	Description	Photograph
8	<p><b>Facing: SW</b></p> <p><b>Description:</b> Rear yard</p>	
9	<p><b>Facing: S</b></p> <p><b>Description:</b> Western side of station, including truck washdown area and storage shed</p>	



ID	Description	Photograph
10	<p><b>Facing: N</b></p> <p><b>Description:</b> Inside engine room looking out to front apron</p>	
11	<p><b>Facing: E</b></p> <p><b>Description:</b> Front apron surface, visible cracking</p>	

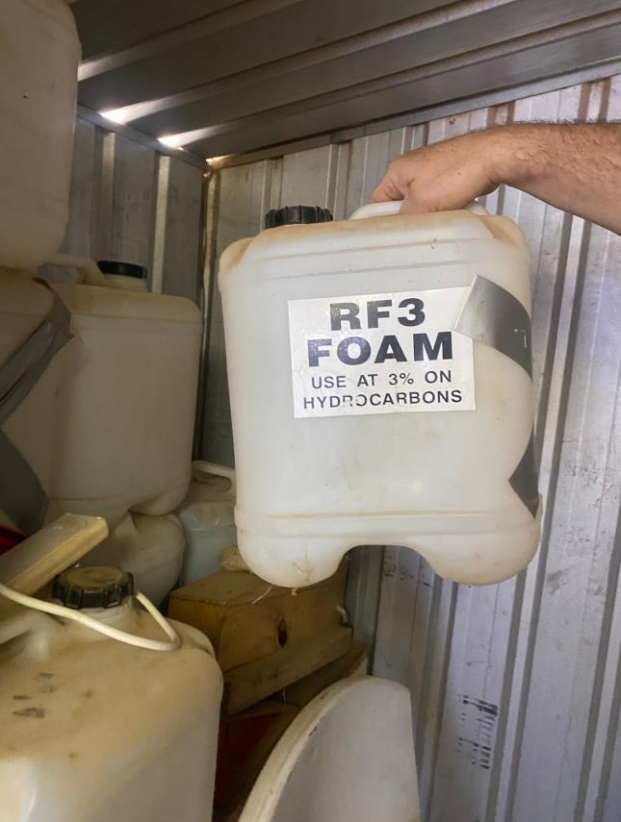

ID	Description	Photograph
12	<p><b>Facing:</b></p> <p><b>Description:</b> Concrete hardstand by storage shed, visible cracking</p>	
13	<p><b>Facing:</b></p> <p><b>Description:</b> Concrete hardstand in truck washdown area, visible cracking</p>	


ID	Description	Photograph
14	<p><b>Facing: S</b></p> <p><b>Description:</b> Rear yard access gate on western side of main building</p>	 <p>A photograph showing a concrete path leading from a brick building on the left towards a metal gate structure. A grey shed is on the right. The sky is blue with white clouds.</p>
15	<p><b>Facing: S</b></p> <p><b>Description:</b> Concrete hardstand area of rear yard</p>	 <p>A photograph of a concrete hardstand area in a rear yard. A metal frame structure is on the concrete, and a table is underneath it. A fence and trees are in the background under a blue sky with clouds.</p>

ID	Description	Photograph
16	<p><b>Facing: S</b></p> <p><b>Description:</b> Rear yard</p>	 <p>A photograph showing a rear yard with a concrete path leading to a fence. The yard is covered in dry grass and weeds. In the background, there are houses and trees under a blue sky with white clouds.</p>
17	<p><b>Facing: N</b></p> <p><b>Description:</b> Inside storage shed</p>	 <p>A photograph showing the interior of a storage shed. The shed has a corrugated metal roof and walls. The floor is concrete. There is a green hose coiled on the floor, a folding chair, and some equipment in the foreground. A large window is visible on the right side.</p>

ID	Description	Photograph
18	<p><b>Facing: S</b></p> <p><b>Description:</b> Inside storage shed</p>	
19	<p><b>Facing:</b></p> <p><b>Description:</b> Chemicals stored on-site</p>	

ID	Description	Photograph
20	<p><b>Facing: W</b></p> <p><b>Description:</b> Inside storage shed</p>	
21	<p><b>Facing: S</b></p> <p><b>Description:</b> Inside storage shed</p>	

ID	Description	Photograph
22	<p><b>Facing:</b></p> <p><b>Description:</b> Chemicals stored on-site</p>	
23	<p><b>Facing: E</b></p> <p><b>Description:</b> Open stormwater drain north of the station, captures stormwater from the town and transports west to dam</p>	

ID	Description	Photograph
24	<p><b>Direction:</b> W</p> <p><b>Description:</b> Dam west of station which receives stormwater from the town</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>	

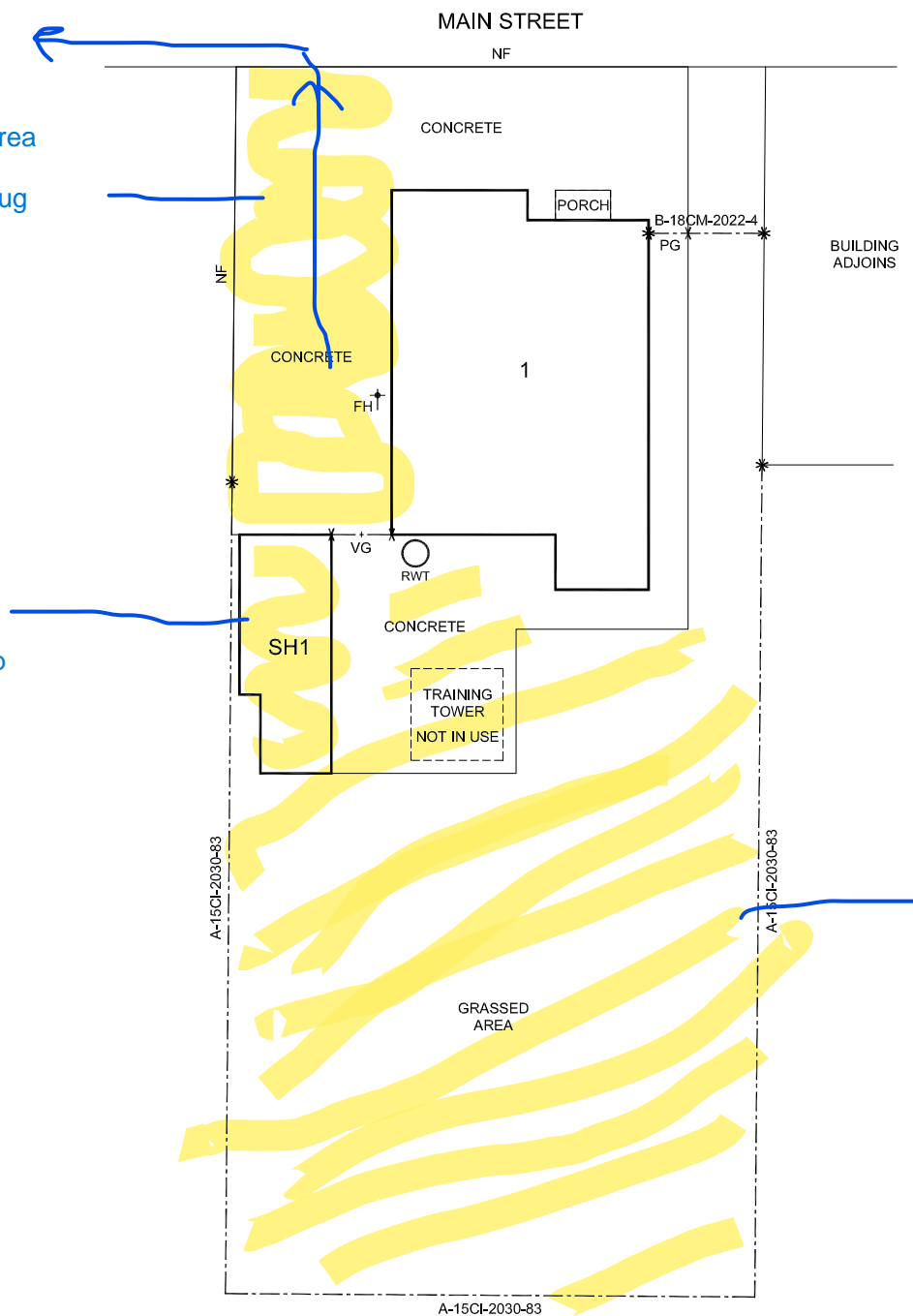
Item	Question	Response
21	<i>Are you aware of any AFFF (or other chemical) releases that may have occurred outside of typical application scenarios? If so:</i>	
21.1	<i>When did such release(s) happen?</i>	
21.2	<i>What substance(s) was/were released?</i>	
21.3	<i>Where did such release(s) happen? Please 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
- SH1 GALV. IRON STORE SHED



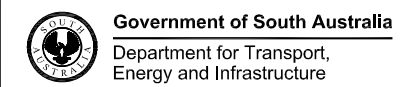
Used to be a dirt area where foam drills were conducted, dug out and concreted around 1999

Access to the rear yard where appliances were positioned for pump drills prior to the shed being built. After the shed was constructed it was used to store the foam

Most of our pump drills including foam use were conducted in the backyard on the grassed area

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

**PETERBOROUGH SAMFS FIRE STATION**  
**86 MAIN STREET**  
**PETERBOROUGH 5422**



Asset no.	09186	Client.	ODEPT
DTEI Office.	PT PIRIE	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 " CT-2409/13		
Site area.	0.0944 ha	Accuracy.	site survey
Strategic Asset Management Information System Plan			

**SAMIS 09186**

# **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 : 123794 (77175)

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

28 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 CT Volume 5670 Folio 797  
Address 86 Main Street, PETERBOROUGH SA 5422

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

**PARTICULARS OF MORTGAGES, CHARGES AND PRESCRIBED ENCUMBRANCES AFFECTING THE LAND**

**8. *Environment Protection Act 1993***

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

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

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

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

**PARTICULARS RELATING TO ENVIRONMENT PROTECTION**

**3-Licences and exemptions recorded by EPA in public register**

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

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

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

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

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

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

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

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

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

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



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