



MFS St Marys Fire Station



Preliminary Site Investigation

South Australian Metropolitan Fire Service

6 October 2022

→ 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 St Marys Fire Station, located at 1125 South Road, St Marys, South Australia (the site). This PSI is limited to impacts from firefighting foam containing per- and poly-fluoroalkyl substances (PFAS) in accordance with the Voluntary Site Contamination Assessment Proposal (VSCAP) dated 23 June 2022 (GHD 2022). This report is subject to, and must be read in conjunction with, the limitations set out in section 3 and the assumptions and qualifications contained throughout the report.

Historically, the MFS have used PFAS containing firefighting foams at the site during training activities. These foams were phased out in 2016 and the MFS have since been using fluorine-free foams. Following the detection of elevated PFAS concentrations in groundwater beneath the site and the submission of a notification pursuant to section 83A of the Environment Protection Act 1993 (Gov SA 1993), the South Australian Environment Protection Authority (SA EPA) requested a VSCAP for the effective regulation of the site in a letter dated 21 October 2021. The VSCAP was accepted by the SA EPA on the 29th June 2022.

The objectives of the PSI are in accordance with the VSCAP and include the following:

- Determine the nature and extent of identified PFAS impacts associated with historical use of firefighting foam at the site.
- Identify and assess any potential risks to human health and/or the environment as a result of the identified PFAS impacts, in the context of the sites' continued commercial/industrial use and the relevant land uses associated with any affected off-site properties (where access to those properties is possible).

The scope of works for the PSI is summarised below:

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

Based on the results of this investigation, the following conclusions have been made:

- The PSI identified the potentially contaminating activities at the site to be the historical use of PFAS containing firefighting foam during firefighting training activities.
- Previous investigations reported PFAS concentrations in on-site soils above the adopted ecological criteria.
- Previous investigations reported PFAS concentrations in groundwater beneath the site above the adopted human health criteria.

- Based on the findings of the PSI, site contamination was determined to exist at the site in the form of elevated PFAS concentrations in soil and groundwater.
- The CSM identified the following potentially complete exposure pathways with the risk to harm human health and / or the environment:
 - Consumption of contaminated groundwater extracted off-site for domestic / drinking purposes
 - Consumption of fruit and vegetables 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
 - 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 / bitumen surfaces or inhalation of contaminated dust from such surfaces
 - Exposure of terrestrial fauna and flora to PFAS via direct contact with contaminated soil, ingestion of contaminated soil or bioaccumulation through indirect contact
 - Leaching of PFAS from contaminated soils or concrete / bitumen surfaces followed by migration through porous media into groundwater

GHD recommends that further intrusive investigations be undertaken to delineate PFAS impacts in on-site soils, concrete and bitumen surfaces and in on- and off-site groundwater. A preliminary groundwater assessment is recommended to determine if existing off-site groundwater wells are available for gauging sampling to confirm the groundwater flow direction, the hydraulic gradient and determine the presence of off-site impacts or potential off-site sources.

The objectives of further investigations, in accordance with the VSCAP, are to determine the nature and extent of on- and off-site PFAS contamination associated with historical activities at the site and to identify and assess any potential risks to human health and the environment from PFAS site contamination in the context of relevant land uses for any affected off-site properties.

Table of Abbreviations

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

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1. Introduction

GHD Pty Ltd (GHD) was engaged by the South Australian Metropolitan Fire Service (MFS) to prepare this Preliminary Site Investigation (PSI) for the St Marys Fire Station, located at 1125 South Road, St Marys, South Australia (the site). This PSI is limited to potential impacts from the use of firefighting foam containing per- and poly-fluoroalkyl substances (PFAS) in accordance with the Voluntary Site Contamination Assessment Proposal (VSCAP) dated 23 June 2022 (GHD 2022). Other potential contaminating activities and related contaminants of concern are not included in this assessment. The site location and layout is shown in Figure 1.

1.1 General

The St Marys Fire Station has been in operation since 1965 as a fire station staffed by fulltime firefighters who provide 24-hour emergency response, 365 days of the year. Historically, the MFS have used aqueous film-forming foams (AFFF) containing per- and poly-fluoroalkyl substances (PFAS) at the site during training activities, but 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 South Australian Environment Protection Authority (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.

Following the detection of elevated PFAS concentrations in groundwater beneath the site (T2D Geoventure 2021), the South Australian Department for Infrastructure and Transport submitted a Section 83A notification form to the SA EPA pursuant to section 83A of the Environment Protection Act 1993 (Gov SA 1993).

The SA EPA reviewed the available information and deemed the site a Level 1 regulatory priority in accordance with the SA EPA Site Contamination Regulatory and Orphan Site Management Framework (2017). This priority level assists the SA EPA to select the appropriate regulatory approach and reporting timeframe to ensure that site contamination is managed effectively. In a letter dated 21 October 2021, the SA EPA requested the preparation and submission of a VSCAP for the effective regulation of the site. The VSCAP dated 23 June 2022 (GHD 2022) was accepted by the SA EPA in a letter dated 29 June 2022. Copies of the SA EPA letters are provided in Appendix A.

1.2 Objectives

The objectives of the PSI are in accordance with the VSCAP and include the following:

- Determine the nature and extent of identified PFAS impacts associated with historical use of firefighting foam at the site.
- Identify and assess any potential risks to human health and/or the environment as a result of the identified PFAS impacts, in the context of the sites' continued commercial/industrial use and the relevant land uses associated with any affected off-site properties (where access to those properties is possible).

1.3 Person Requesting Works

The work was requested by:

Michael Morgan, South Australian Metropolitan Fire Service, 99 Wakefield St, Adelaide SA 5000.

1.4 Methodology

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

- South Australian Environment Protection Act 1993 (Gov SA 1993) and associated regulations.

- National Environmental Protection (Assessment of Site Contamination) Measure 1999 (as amended May 2013) (ASC NEPM).
- South Australian Environment Protection Authority (2019), Guidelines on the assessment and remediation (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 St Marys Fire Station have been carried out by GHD in 2019 and more recently in 2020/2021 by T2D Geoventure (2021) as part of the North-South Corridor (Torrens to Darlington) Contamination Investigations. Documentation of these investigations can be found in the following reports:

- GHD (2019) *MFS State-wide Appliance and Station Sampling*, Report for South Australian Metropolitan Fire Service, May 2019.
- T2D Geoventure (2021) *North-South Corridor (Torrens to Darlington) Stage 1, 1a and 1b Ground Investigation Contamination Factual Report*, Report for Department of Infrastructure and Transport, 3 June 2021.

Locations sampled at the St Marys Fire Stations as part of these two investigations are presented in Figure 2.

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

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

It is noted that the 2018 PFAS NEMP guidelines were used in this report, which were superseded by the 2020 PFAS NEMP 2.0.

The report stated that AFFF was historically used during training drills across the entire concrete area of the fire station.

During the GHD (2019) investigation, the following samples were collected and tested for PFAS:

- Two soil samples (STMARYS_1 and STMARYS_2) collected from the central eastern portion and the northern boundary of the site (respectively) from surface soils in garden areas reported detectable PFAS concentrations below the adopted guidelines.
- Three biota fruits samples collected from the lemon tree, nectarine tree and orange tree growing at the northern boundary of the site reported PFAS concentrations below the adopted guidelines.
- Two appliances were sampled (*Appliance 1005* and *Appliance 1706*) which reported PFAS concentrations below the adopted guidelines.
- One peach tree could not be sampled as it was not fruiting at the time.

1.5.2 T2D Geoventure (2021) North South Corridor Investigation

Based on the results of the T2D Geoventure (2021) investigation, the following findings were identified:

Soil

Soil samples were collected from six soil bores (including one that was progressed to a groundwater well) drilled across the site, including the following locations: BH7003/GW7003, BH7026, BH7027, BH7028, BH7029b and GW8001b

- Soil samples collected from GW8001b, BH7028 and BH7029b reported concentrations of PFAS exceeding the PFAS NEMP Ecological Indirect Exposure criteria for PFOS and Health Residential Accessible Soil for Sum of PFHxS and PFOS.

- Soil sample from BH7026 reported concentrations of PFAS exceeding the PFAS NEMP Health Public Open Space criteria and the PFAS NEMP Ecological Direct Exposure criteria.
 - Soil samples from BH7003 and BH7027 did not exceed any of the adopted PFAS assessment guidelines.
- It is noted that the guidelines (Health Residential Accessible Soil) adopted in the T2D Geoventure (2021) report are not applicable for the current land use.

Groundwater

Four groundwater wells were installed on site in 2020 (GW8001b, GW8002b, GW201b and GW7003) into various aquifers. A summary of the wells and their installation details is provided in Table 1.1 below.

Table 1.1 Existing groundwater wells at St Marys Fire Station

Well ID	Date Installed	Total Depth (m bTOC)	SWL (m bgl)	Screened Interval (m bgl)	Aquifer	PFAS NEMP criteria Exceedance
GW7003 (6628-31306)	12/7/2020 (26/11/2020)	6.0	2.74 (Jan 2021)	3.0-6.0	Q1	– Ecol. Freshwater – Drinking Water – Recreational Water
GW201b (6628-31030)	07/12/2020	17.0	3.2 (Jan 2021)	11.0 -15.0	Q2	– Ecol. Freshwater – Drinking Water
GW8001b (6628-31028)	03/12/2020	38.5	24.163 (Dec 2020) 27.066 (Mar 2021)	36.5-38.5	T1 (interpreted)	– Ecol. Freshwater – Drinking Water
GW8002b (6628-31029)	04/12/2020	6.0 (22.0)	2.594 (Dec 2020)	5.0-6.0	Q1	– Ecol. Freshwater – Drinking Water – Recreational Water

- GW201b was sampled in January 2021 and reported concentrations of PFAS that exceeded the adopted PFAS NEMP 2020 Ecological Freshwater and Drinking Water guidelines.
- GW8001b was sampled in December 2020 and March 2021. Both sampling events reported concentrations of PFAS that exceeded the adopted PFAS NEMP 2020 Ecological Freshwater and Drinking Water guidelines.
- GW8002b was sampled in December 2020 and GW7003 was sampled in January 2021 with both locations reporting concentrations of PFAS that exceeded all the adopted PFAS NEMP 2020 guidelines (Ecological Freshwater, Drinking Water and Recreational Water).

Due to the PFAS concentrations reported in groundwater beneath the site, a Section 83A notification form was submitted to the SA EPA by the Department for Infrastructure and Transport to notify the presence of contamination that affects or threatens underground water pursuant to section 83A of the *Environment Protection Act 1993*. A copy of Section 83A notification is provided in Appendix A.

1.6 Voluntary Site Contamination Assessment Program (VSCAP)

GHD (2022) prepared a VSCAP for the St Marys Fire Station and submitted it to the SA EPA on 23 June 2022, in accordance with section 103I of the Environment Protection Act (Gov SA 1993), to undertake PFAS investigations at the site. The VSCAP was prepared based on the review of previous reports' findings and outlined the assessment works to be undertaken at the site to determine the nature and extent of identified PFAS contamination and to assess any potential risks to human health or the environment.

The VSCAP proposed the following:

- Soil and groundwater investigations to characterise the nature and extent of PFAS in the subsurface
- A risk assessment to determine the potential for PFAS exposure risks to human health or the environment

- Community engagement activities to be undertaken as required with respect to the assessment activities and identified PFAS impacts.

SA EPA communicated the approval of the VSCAP for the St Marys Fire Station in the letter dated 29 June 2022. The SA EPA stated that the details of the approved VSCAP have been recorded in the SA EPA Public Register in accordance with section 109(3)(ic)(i) of the Environment Protection Act 1993. The VSCAP approval letter is provided in Appendix A.

The SA EPA also stated that each environment assessment report carried out as part of the VSCAP will be recorded in the Public Register, in accordance with regulation 16(1)(i) of the Environment Protection Regulations (Gov SA 2009).

2. Scope of Works

The scope of works for the PSI is summarised below:

- Desktop assessment of the site history and historical activities which may have contributed to PFAS contamination of the site and surrounds including a review of
 - Past and current ownership and occupier details and certificates of title
 - Past and current aerial photography
 - State and local government records including SA EPA Public Register records
- Review of available information regarding the local geology, hydrogeology and hydrology, including the state groundwater database and geological maps.
- Review of available soil, sediment, surface water and groundwater data from previous environmental investigations undertaken at the site and surrounding the site.
- Identification of sensitive land uses, groundwater bore usage and ecological receptors to determine potential beneficial uses of groundwater/surface water in the vicinity of the site.
- A site inspection and interviews with site personnel to confirm features documented in the desktop review and update the site history with respect to stormwater management, high-risk historical activities such as foam spill events, on-site storage of large quantities of PFAS containing foam and on-site or potential off-site fire-training activities and overspray.
- Development of a preliminary Conceptual Site Model (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 (2022), 1125 South Road, St Marys, SA 5042, Reference number LS035821 EP, prepared by Lotsearch Enviro Professional, 31 August 2022

3. Limitations

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

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

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

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

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

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

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

4. Site Information

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

4.1 Site Identification

Site information details are summarised in Table 4.1 below.

Table 4.1 Summary of General Site Identification Information

Item	Detail
Site Address:	1125 South Road, St Marys, SA 5042
Certificate of Title:	CT 5808/746
Legal Description:	Allotment 68, Filed Plan 12879 in the Area Named St Marys, Hundred of Adelaide
Local Government Authority:	City of Mitcham
Current Zoning:	Employment
Property Owner:	South Australian Metropolitan Fire Service
Current Site Use:	Operational Fire Station
Area:	4569 m ²
Site Elevation:	32 m AHD

Copies of the current certificate of title and excerpts from the South Australia Property and Planning Atlas (SAPPA 2022) including zoning information are provided in Appendix C. The site location and layout plan is shown in Figure 1 in Figures.

4.2 Site Inspection and Description

The MFS St Marys Fire Station is located between South Road and Pinn Street, approximately 60 m south of the Daws Road / South Road intersection. The site is used as an operational fire station staffed in four shifts. A site inspection was conducted by GHD field staff on 2 September 2022. The field notes are provided in Appendix D and site photographs are presented in Appendix E.

The site included the following buildings and features:

- One main two-storey building, located in the south-western portion of the site, which housed an engine bay for the site's two appliances as well administrative offices and living quarters on the ground level north and south of the engine bay and on the upper level.
- An enclosed verandah, located between the main building and the southern site boundary, included a storage area for domestic chemicals.
- A small, galvanised iron storage shed, located near the south-eastern corner of the site.
- A training tower, located in the middle of the northern portion of the site.
- A diesel bowser and an 8,000 L underground storage tank for diesel fuel, located near the eastern site boundary just south of the gate on Pinn Street.
- Most of the site surface was sealed, with outdoor surfaces comprising concrete hardstand in the southern portion of the site and bitumen in the north-eastern portion of the site. Some areas of the concrete hardstand were noted to have cracks.
- The north-western portion of the site was unsealed, covered with lawn and with trees growing along the western site boundary.
- Narrow unsealed garden beds with a small number of trees and shrubs ran along the northern, eastern and part of the southern site boundary. A small garden bed with ornamental plants and trees was located on either

side of the driveway in front of the station on South Road. Two small garden beds were located between the main building and the gate on Pinn Street.

- The site was fenced and not accessible to the public. Entrance points from the western boundary on South Road were through the administrative building, through an electric keypad locked door near the southern boundary or through a locked gate north of the main building. Access from Pinn Street on the eastern boundary was via an automated gate.
- Four fruit trees were present on site. A nectarine tree, lemon tree (in fruit) and peach tree were growing at the eastern site boundary between the diesel bowser and the storage shed. An orange tree was growing in the garden bed opposite the gate on Pinn St. However, the MFS have advised in an email dated 12 September that staff had been advised in 2018/2019 not to eat any fruit or vegetables grown on site and that all fruit and vegetable gardens were to be removed from all stations as soon as possible.
- Four existing on-site groundwater wells were observed with gatic covers and well caps in good condition. Solinst dataloggers were found suspended in the three wells in the north-western portion of the site.
- On-site stormwater infrastructure included a central gutter running east to west, dividing the site into the northern portion (i.e. lawn and bitumen areas) and the southern portion (concrete hardstand). The gutter drained west towards South Road. According to Location SA Map Viewer (Gov SA 2022), underground stormwater drains were located along the northern site boundary and along South Road, with stormwater nodes near the north-western and north-eastern site-corners.
- The site was observed to be relatively flat, with a gentle downwards slope in the eastern portion of the site towards central gutter. The north-western lawn area had a gentle downward slope to the north-west towards South Road. To the nearest whole metre, the site had an elevation of approximately 32 m Australian Height Datum (AHD).
- Cars were parked along the western and northern boundary of the bitumen area in the north-eastern portion of the site.
- There were no odours or staining noted during the site inspection.

4.3 MFS Staff Interviews and Surveys

A questionnaire regarding the historical use of AFFF at the site was circulated to MFS staff. The survey was completed on 29 August 2022 by Senior Fire Fighter Tim Murray, who has been working at the site since 1988, and by Station Officer John Weston, who has been working on and off at the site for more than 25 years. In addition, John Weston provided relevant historical anecdotal information in an interview during the site inspection on 02 September 2022. The following key points were noted:

- It was identified that stormwater at the site is (and was historically) discharged off-site into the gutter on South Road to the west or on Pinn Street to the east. There have been no changes to the stormwater management at the site over time and stormwater has not been harvested.
- MFS staff did not know when PFAS containing AFFF was first used at the site but think it could have been prior to 1985.
- The AFFF historically used at the site was branded '3M' or 'Light Water'.
- Historically, two or up to four 20 L plastic drums with AFFF concentrate were stored for training purposes on-site. Either in the storage shed in the south-eastern corner or in the storage area or in the breezeway (i.e. enclosed verandah) on the southern side of the main building.
- Historically, foam training exercises using AFFF were conducted quarterly by each shift so that 16 training events took place per year. Foam training occurred mostly in the north-eastern portion of the site, which was initially unsealed gravel before it was sealed with bitumen. Training also occurred on the unsealed lawn area in the north-western portion of the site and on the concrete hardstand in the south-eastern portion of the site. See mark-up in field notes (Appendix D) and in Figure 2 in Figures.
- The volume of AFFF historically used per training exercise was estimated between 5 L, 0-20 L and 10-20 L. Typically part of a 20 L drum was used, occasionally a full 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.

- During the training exercises the AFFF was generally dispersed aerially over the whole training area and possibly up to 5 m beyond the site boundaries via a 64 mm branch or specialist foam branches via 64 mm hose line.
- Foam and wastewater from the training events was allowed to soak into the ground or discharged off-site as stormwater to South Road or Pinn Street.
- Used / empty AFFF drums were returned to Adelaide Station.
- Historically, after incidents involving AFFF use, appliances were washed down in the rear yard, mostly on the concrete hardstand behind the main building but possibly also on the north-eastern training area. The wash down water was managed as stormwater and discharged off-site.
- MFS staff did not remember when PFAS containing AFFF was phased out.
- MFS staff identified that the north-east training area used to have a gravel surface but did not remember when it was sealed with bitumen.
- MFS staff did not identify any other changes to the building or outside areas over time.

Copies of the completed questionnaires are provided in Appendix F.

4.4 Surrounding Land Uses

Land use surrounding the site is summarised in Table 4.2. Land uses and zoning are shown on Figure 3.

Table 4.2 Land Uses and Zoning

Orientation	Description of Land Use	Zoning (Municipal Council)
North	Used car dealership (Paul Middleton Auto Brokers) immediately north of site. Recreational vehicle (RV) dealer further north from Paul Middleton Auto Brokers and then Daws Road with commercial businesses including auto parts / accessory store, communication technology business and kitchen cabinet maker beyond. A powder coating service is located immediately to the north-east of site.	Employment
East	Pinn St immediately east of site with a caravan repair and servicing shop (Dario Caravans & Repairs), auto parts store (All Clutch & Brake Service) and a manufacturer of plastic food packaging and laboratory plastic ware (Techno Plas) beyond.	Strategic Employment
South	A petrol station (Ampol Foodary St Marys) is located immediately south of the site on South Rd. A caravan repair and servicing shop (Dario Caravans & Repairs) is located south of the site on Pinn St. Further south is Southern Ave with various businesses such as gyms, dental practice, retail stores, a signage/signwriting company and a paint store beyond. A metal heat treating service is located south-east of the site.	Employment
West	South Road is located immediately west of site with various businesses such as a hair salon, a medical clinic and a commercial printing company beyond. Further west are largely residential areas.	Employment

It is noted that historically, a wrecking yard was located on the land immediately south of the site, now occupied by Dario Caravans & Repairs.

5. Environmental Setting

5.1 Topography and Hydrology

The topography of the site and surrounding land is relatively flat and forms part of the Adelaide Plains, between Gulf St Vincent to the west, and the Mount Lofty Ranges to the east. The site sits at an elevation of approximately 32 m AHD. The eastern portions of the site are sloping gently down towards a central gutter running east to west. The western lawn area is sloping gently down towards the north-western corner of the site.

Approximately two thirds of the site comprise sealed surfaces (buildings, concrete hardstand, bitumen, etc.) with the majority of stormwater discharging to off-site underground stormwater drains via stormwater drainage pipes throughout the site. Stormwater drains are located along the northern site boundaries and along South Road to the west, with stormwater nodes at the north-western and north-eastern site corners (Gov SA 2022).

5.2 Surface Water

The nearest natural surface water bodies from the site are the Sturt River, located approximately 2.5 km south-west of the site, and the Oaklands wetland, located approximately 2.5 km west of the site. The Sturt River flows in a north-westerly direction and discharges into Patawalonga Creek, approximately 6.6 km north-west of the site.

An old, approximately 700 m long, open stormwater drain between the north-western corner of the Centennial Park Cemetery and the corner of Comaum Street and Benjamin Street, approximately 130 m to the east of the site (Lotsearch 2022) appears to have been backfilled and replaced with underground pipes (Gov SA 2022).

5.3 Geology and Soils

The Lotsearch (2022) report indicated that the site is characterised by Keswick clay, consisting of smectite-rich clay and rare sand lenses (Appendix B).

Most common soil classification orders were identified to be predominantly Chromosols, which are characterised by outwash plains with hard alkaline red soils, small areas cracking clay soils and various alluvial soils in the stream valleys.

The site lies within a region of extremely low probability of potential acid sulphate soil (PASS) occurrence.

The geology encountered on-site during intrusive investigations (T2D Geoventure 2021) was generally consistent with the regional geology. The sub-surface conditions generally comprised the following:

- **FILL:** inferred reworked natural material used for bedding under concrete slabs from just below the concrete to 0.5 m below ground level (bgl) or fill from the surface to 1.0 m bgl consisting of
 - Sand, fine to coarse grained, orange-brown; sandy gravel, fine to coarse grained, brown; and sandy clay, low to medium plasticity, brown and dark-brown mottled or
 - Sandy clay, low plasticity, dark brown, fine to coarse grained sand, trace fine to coarse grained gravel; or
 - Clayey sand, fine to coarse grained, dark-brown, medium plasticity clay, with fine to medium grained gravel, underlain by
- **CLAY:** Alluvial Pooraka clay or sandy clay; low, low to medium, medium or medium to high plasticity; brown, pale brown or red-brown; (with) fine to medium or coarse grained sand and in cases trace fine grained or fine to medium grained gravel between 0.5-1.0 m and 4.0-5.0 m bgl, underlain by
- **HINDMARSH CLAY:** clay or sandy clay underlain with inferred interbedded gravel and clay layers between 11.0 m and 15.0 m bgl consisting of
 - Clay or sandy clay, medium, medium to high or high plasticity, pale grey mottled brown and/or orange or orange-brown and grey, (with/trace) fine to medium or coarse grained sand, in some cases with/trace fine or fine to medium graine gravel between 4.0-5.0 m and 6.0-14.0 m bgl; underlain by

- Clayey gravel or sandy clayey gravel, fine or fine to medium grained, red-brown or orange-brown and grey, medium to high plasticity clay, (with) fine to coarse grained sand, approximately 1.0 m thick layer at 5.0-14.0 m to 6.0-15.0 m bgl, underlain by
 - Sandy gravelly clay, medium to high plasticity, orange-brown and grey, fine grained gravel, fine to coarse grained sand, 12.0 m to 14.0 m bgl, underlain by
 - Gravel, fine to medium grained, sub-rounded to sub-angular, red-brown and grey, with fine to coarse grained sand, with medium to high plasticity clay, 14.0 m to 15.0 m bgl, underlain by
 - Clay or sandy clay; medium to high or high plasticity; orange-brown or red-brown and grey; (with/trace) fine to coarse grained sand; in some cases with/trace fine to medium grained, in one case calcareous gravel, 6.0-15.0 m to 11.0-35.0 m bgl, inferred transition zone between Quaternary and Tertiary at 35.0-38.3 m bgl, underlain by
- Possibly HALLET COVE SANDSTONE, possible calcareous sandstone, fine to coarse grained, white, 38.30 m to 38.5 m bgl.

5.4 Hydrogeology

According to the Department of Water, Land and Biodiversity Conservation (DWLBC) Report (Gerges 2006), the site lies within 'hydrogeological zone 2', which covers the area between Brown Hill Creek and Gulf St Vincent. It contains from two to four Quaternary aquifers and from two to four Tertiary aquifers. Only the first Tertiary aquifer (T1) is used significantly as it consists mainly of highly permeable formations (sandy limestone) and contains water of low salinity (800 mg/L to 1,000 mg/L total dissolved solids (TDS) in the vicinity of the site). Major pumping occurs from this aquifer. The first Quaternary aquifer (Q1) in the vicinity of the site has brackish salinity in the range of 3,500 mg/L to 5,000 mg/L TDS, while the second Quaternary aquifer (Q2) has fresh to brackish salinity in the range of 1,500 mg/L to 2,500 mg/L TDS (Gerges 2006). The regional groundwater flow in the Q1 and Q2 aquifers is in north-westerly direction towards the Gulf St Vincent (Gerges 2006).

A search of the South Australian Resources Information Gateway (SARIG) database reported shallow groundwater in the vicinity of the site with standing water levels (SWL) of 5-10 m bgl, producing yields in the range of 0.5-2.5 litres/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 2022) for registered groundwater wells located within a 2 km radius of the site. The results are summarised as follows:

- There were 768 registered wells within a 2 km radius.
- Of these registered wells, 40 were listed as operational, seven were listed as abandoned, 170 were listed as backfilled, 33 were listed as dry, two were listed as not located, 17 were listed as having an unknown status and no status was listed for 499 wells.
- Of the 40 registered operational wells, 20 were listed as domestic, 10 were listed as drainage, six were listed as industrial and four were listed as irrigation.
- Of the 516 wells with unknown or no registered status, 302 were for investigation purposes, 38 were for domestic purposes, 36 for monitoring, 17 for environmental purposes, 10 were for drainage purposes, five for observation, four for irrigation, three for environmental / recreational purposes, one for recreational purposes and 100 had no purpose listed.
- Four on-site wells were registered for investigation purposes.

TDS data was available for 182 wells within the 2 km radius from the site and ranged between 297 mg/L and 15,249 mg/L, indicating fresh to saline water. Of these groundwater well locations, 66 wells had recorded TDS values below 1,200 mg/L. The lowest TDS value of 297 mg/L was reported in 1984 for well number 6628-13206, located approximately 1.7 km north-west of the site.

The four on-site groundwater monitoring wells reported SWL between 2.6 m bgl (GW8002b / 6628-31029) and 27.1 m bgl (GW8001b / 6628-31028) and brackish salinities between 2,702 mg/L (GW201B / 6628-31030, Q2 aquifer) and 4,474 mg/L (GW8002b / 6628-31028, Q1 aquifer) (T2D Geoventure 2021) that were consistent with Gerges (2006).

5.5 Determination of Environmental Values

To assess the contamination status of groundwater at a site, the SA EPA provides a four-step process to determine the environmental values of groundwater and to determine if actual or potential harm to groundwater that is not trivial has occurred. The four-step process described in the *Guidelines on the assessment and remediation of site contamination* (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	The Lotsearch report listed 768 registered bores located within a 2 km radius of the site. A total of 182 registered bores within the survey area had documented TDS data, ranging from 297 mg/L to 15,249 mg/L, indicating fresh to saline water. T2D Geoventure (2021) reported TDS data for the on-site wells between 2,702 mg/L and 4,474 mg/L, indicating brackish water beneath the site.
Step 2: Assess and identify surface water bodies within a 2 km buffer of the site	There was no surface water receptor within 2 km of the site. The watercourse shown in the Lotsearch report approximately 130 m to the east of the site (Topographic Features map, Appendix B) was identified as a former open stormwater drain that has been backfilled and replaced with underground stormwater pipes. The nearest natural surface water bodies are the Sturt River, located approximately 2.5 km south-west of the site, and the Oaklands wetland, located approximately 2.5 km west of the site.
Step 3: Review registered groundwater users in the WaterConnect database	A review of the Water Connect database provided in the Lotsearch report (Appendix B) identified a total of 768 registered bores within a 2 km radius of the site. The identified uses of the bores with operational or unknown status were investigation (302), domestic (58), monitoring / observation (41), drainage (30), environmental (17) and recreational (4).
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:

- Potable use of groundwater
- Irrigation use of groundwater

6. Site History Searches

6.1 Historical Ownership Summary

Information regarding the historical ownership of the MFS 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 of the MFS site identified that the land was granted to the MFS on 20 September 2000. Prior to this, ownership of the site was held by The Fire Brigades Board from August 1950 and, further back from this, Arthur Nutter Thomas, Whitmore Blake Carr and Percy Emerson Johnstone held ownership of the site from March 1928 to July 1950.

Relevant details are listed in Table 6.1 below.

Table 6.1 Summary of Historical Certificates of Title

CT	Date	Details
5808/746	20/09/2000 to Current	Title issued to South Australian Metropolitan Fire Service, Allotment 68 Filed Plan 12879
3080/170	27/06/1962	Title issued to The Fire Brigades Board, portion of Allotment 64
	20/09/2000	Title cancelled, becomes CT 5808/746
2303/18	06/01/1954	Title issued to The Fire Brigades Board, Allotment 64
	27/06/1962	Title cancelled, becomes CT 3080/170
2093/180	03/08/1950	Title issued to The Fire Brigades Board, Allotment 64
	06/01/1954	Title cancelled, becomes CT 2303/18
1503/35	14/03/1928	Title issued to Arthur Nutter Thomas of North Adelaide (Bishop of Adelaide) and Whitmore Blake Carr (Sharebroker) and Percy Emerson Johnstone (Solicitor) both of Adelaide, Allotments 64 and 67
	03/08/1950	Title cancelled, becomes CT 2093/180

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
1936	The site and its surrounds appeared to be vacant with minimal vegetation on site. The road immediately west of site (present-day South Road) appears largely undeveloped. Some structures appear to have been established to the north, west and south.
1949	A shed appears to have been erected near the north-eastern site boundary. Vehicle tracks to the south-east of site are visible. Further developments appear to have been established to the north and north-east of the site. A large amount of vegetation to the north appears to have been cleared. The road immediately west of site (present-day South Road) appears more pronounced, indicative of previous developments on the road.
1959	The site remains vacant land. The shed is no longer visible on-site. New roads appear to have been established to the west of present-day South Road (present-day Wingfield Street), to the south-west of the site (present-day Newton Avenue) and to the south of the site (present-day Southern Avenue). Structures appear to have been established around the site: the north beyond the stretch of road (present-day Daws Road), north-west, west, south-west, to the south-east of site.

Year	Description
1969	The fire station was built in 1965 and is visible in the south-eastern portion of the site. A central driveway has been established to connect the building to a new road (present-day Pinn Street) immediately to the east of the site. The northern portion of the site appears to remain vacant. A significant number of buildings/infrastructures also appear to have been established around the site including an industrial facility/building (present-day powder coating service) to the north-east of site. Residential areas have been established to the west along present-day Wingfield Street.
1979	While the northern portion of the site appears to remain vacant, some vehicle tracks coming off of the road to the east of site (present-day Pinn Street) appear to be visible. A small piece of land near the south-eastern site boundary appears to have been converted to a lawn. A service station and a wrecking yard appear to have been established to the south of the site.
1989	A carpark and the training tower appear to have been developed on the northern portion of the site. A portion of the lawn appears to have been converted to an accessway leading to Pinn Street. More buildings appear to have been established in various directions from the site, most notably a building complex established to the north-west.
1999	The garden near the south-eastern boundary of the site appears to have been removed. A portion of a building immediately south of site appears to have been demolished. Some buildings immediately north appear to have been demolished as seen from the resulting vacant land.
2002	The northern portion of the site appears to have been divided into two sections, the western section being an unsealed, open space and the eastern section being a sealed open space. Two large trees are visible near the south-eastern site boundary. To the north, a building complex and carpark appear to have been established where the vacant land in 1999 was previously observed.
2007	No significant changes since 2002.
2012	No significant changes since 2007.
2017	The buildings / structures at the service station adjacent the site to the south have been changed to the present configuration with a central forecourt and the sales building along Southern Avenue.
2022	Two building complexes appear to have been established south-west of site

6.3 SA EPA Public Register

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

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

Table 6.3 Summary of SA EPA Public Register Search

Record No.	Record Type	Entity	Site Address	Activity	Distance (m)	Direction
1433	LICENCE	ANDREW BRUCE MORTON	133 Daws Road, ST MARYS SA 5042	Abrasive blasting; Activities producing listed wastes; Fuel burning comprising the burning of fuel to stove enamel or to bake or dry substances releasing dust or air impurities; Surface coating works (spray painting or powder coating)	0	On-site

Record No.	Record Type	Entity	Site Address	Activity	Distance (m)	Direction
50483	LICENCE	ARKOTE PTY LTD	133 Daws Road, ST MARYS SA 5042	Abrasive blasting; Activities producing listed wastes; Fuel burning comprising the burning of fuel to stove enamel or to bake or dry substances releasing dust or air impurities; Surface coating works (spray painting or powder coating)	0	On-site
50838	LICENCE	AMPOL AUSTRALIA PETROLEUM PTY LTD	1129-1131 South Road, ST MARYS SA 5042	Petrol stations	0	South
ENL906LS5L	LICENCE APPLICATION	CALTEX AUSTRALIA PETROLEUM PTY LTD	1129-1131 South Road, ST MARYS SA 5042	Petrol stations	0	South
50900	LICENCE	EUREKA OPERATIONS PTY LTD	1112 South Road, EDWARDSTOWN SA 5039	Petrol stations	118	North-west
ENL792FUXC	LICENCE APPLICATION	EUREKA OPERATIONS PTY LTD	1112 South Road, EDWARDSTOWN SA 5039	Petrol stations	118	North West
15140	LICENCE	ANODISERS (SA) PTY LTD	120 Daws Road, MELROSE PARK SA 5039	Activities producing listed wastes; Surface coating works - metal finishing	160	North East
50508	LICENCE	KEY MANUFACTURING PTY LIMITED	120 Daws Road, MELROSE PARK SA 5039	Activities producing listed wastes; Surface coating works - metal finishing	160	North East
LSL958Z065	LICENCE APPLICATION	ON THE RUN PTY LTD	1172-1174 South Road, CLOVELLY PARK SA 5042	Petrol stations	258	South
2265	LICENCE	A.B. & S.M. RAWLINGS PTY. LTD.	76 Daws Road, EDWARDSTOWN SA 5039	Waste recycling depot (waste for resource recovery or transfer)	303	West
50940	LICENCE	SHAHIN ENTERPRISES PTY. LTD.	1175-1181 South Road, ST MARYS SA 5042	Petrol stations	363	South
51108	LICENCE	ON THE RUN PTY LTD	1175-1181 South Road, ST MARYS SA 5042	Petrol stations	363	South
ENL0A2G0J	LICENCE APPLICATION	SHAHIN ENTERPRISES PTY. LTD.	1175-1181 South Road, ST MARYS SA 5042	Petrol stations	363	South
44842	LICENCE	LA CREMA COFFEE PTY LTD	14 Denis Street, ST MARYS SA 5042	Produce processing works	395	South-east

Record No.	Record Type	Entity	Site Address	Activity	Distance (m)	Direction
				(deep fat frying, roasting or drying)		
44842	LICENCE APPLICATION	ACN 164 033 050 Pty Ltd	14 Denis Street, St Marys SA 5042	Produce processing works (deep fat frying, roasting or drying)	395	South-east
38202	LICENCE APPLICATION	S A Group Enterprises Inc	3/4 Iris Street, Melrose Park SA 5039	Waste recycling depot (waste for resource recovery or transfer)	417	North-east
50746	LICENCE	A. BRIANNI NOMINEES PTY LIMITED	1080 South Road, EDWARDSTOWN SA 5039	Produce processing works (deep fat frying, roasting or drying)	422	North
ENL57UGF2S	LICENCE APPLICATION	A. BRIANNI NOMINEES PTY LIMITED	1080 South Road, EDWARDSTOWN SA 5039	Produce processing works (deep fat frying, roasting or drying)	422	North
1955	LICENCE	ASSOCIATED METAL IMPROVEMENTS PTY. LIMITED	4-6 Erudina Avenue, EDWARDSTOWN SA 5039	Activities producing listed wastes	451	North-west
50741	LICENCE	MCLEOD PLATING PTY LTD	4-6 Erudina Avenue, EDWARDSTOWN SA 5039	Activity producing listed waste	451	North-west
50883	LICENCE	AA TRADING PTY LTD	62 Daws Road, EDWARDSTOWN SA 5039	Petrol stations	460	West
ENL54TALBP	LICENCE APPLICATION	AM/PM ALWAYS PTY LTD	62 Daws Road, EDWARDSTOWN SA 5039	Petrol stations	460	West
LNL38NYPFN	LICENCE APPLICATION	ANDRASH EDWARDSTOWN PTY LTD	62 Daws Road, EDWARDSTOWN SA 5039	Petrol stations	460	West
13713	LICENCE	DELWAY BRASS PTY. LTD.	21 Arabrie Avenue, EDWARDSTOWN SA 5039	Activities producing listed wastes	578	North-west
50740	LICENCE	CITY OF MITCHAM	5 Winston Court, MELROSE PARK SA 5039	Reception or storage of listed waste	618	North-east
LNL27J7IAO	LICENCE APPLICATION	CITY OF MITCHAM	5 Winston Court, MELROSE PARK SA 5039	Reception or storage of listed waste	618	North-east
1727	LICENCE	BAKER HYDRAULICS PTY. LTD.	18-24 Deloraine Road, EDWARDSTOWN SA 5039	Activities producing listed wastes	668	North-east
46802	LICENCE	DEVLIN JAMES VENN	10 Dunorlan Road, EDWARDSTOWN SA 5039	Abrasive blasting	770	North
1234	LICENCE	CENTENNIAL PARK CEMETERY AUTHORITY	Goodwood Road, PASADENA SA 5042	Incineration works (cremation)	772	South-east

Record No.	Record Type	Entity	Site Address	Activity	Distance (m)	Direction
1176	LICENCE	TOYODA GOSEI AUSTRALIA PTY LTD.	South Road, EDWARDSTOWN SA 5039	Grinding or milling works (chemicals or rubber); Activities producing listed wastes; Chemical works (organic); Crushing; Fuel burning comprising the burning of fuel to stove enamel or to bake or dry substances releasing dust or air impurities; Surface coating works (spray painting or powder coating)	818	North

6.4 SA EPA Section 7 Search

GHD contacted the SA EPA in order to obtain an EPA Statement to Form 1 – Contracts for Sale of Land or Business for CT Volume 5808 Folio 746. Particulars of mortgages, charges and prescribed encumbrances affecting the land, and environmental protection are summarised below.

Regarding the site (CT 5808/746) the EPA had no records of issues associated with the particulars of mortgages, charges or prescribed encumbrances affecting the land.

There were the following particulars relating to environment protection:

- Details of serious or material environmental harm caused or threatened in the course of an activity (whether or not notified under section 83 of the Environment Protection Act 1993)
- Details of site contamination notified to the EPA under section 83A of the Environment Protection Act 1993
- A copy of a report of an environmental assessment (whether prepared by the EPA or some other person or body and whether required under legislation) that forms part of the information required to be recorded in the public register
- Details of an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the Environment Protection Act 1993
- 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 Environment Protection Act 1993.

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

6.5 Review of Council Records

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

7. Potentially Contaminating Activities

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

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 foams	On-site	PFAS-containing firefighting foams were historically stored and used on-site in training exercises. This PCA at the site may have impacted concrete slabs, bitumen, soil and groundwater.	High significance Contamination associated with this PCA may have a significant impact on concrete, bitumen and soil at the site which could potentially impact groundwater on- and off-site.
Residual PFAS in concrete or bitumen	On-site	If PFAS has impacted concrete or bitumen at the site, there is the potential for leaching of PFAS from concrete or bitumen surfaces within the fire training area to underlying and surrounding soil and groundwater	High significance Contamination associated with this PCA will likely continue to contribute to contaminant mass flux into the environment over time.

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 each of the following to be identified:

- Presence of substances that may cause harm (SOURCE);
- Presence of a receptor which may be harmed (RECEPTOR); and
- 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

In accordance with the VSCAP, 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 northern portion of the site and, to a lesser extent, in the south-eastern 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 verandah).
- Ongoing leaching of PFAS from impacted surfaces (concrete slabs and bitumen) associated with fire training and wash down activities.
- Ongoing leaching of PFAS from impacted soils beneath the open areas historically used for training activities or the post-incident washing down of appliances.

8.3 Exposure Pathways

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

- Consumption of contaminated groundwater
- Consumption of PFAS impacted fruit and / or vegetables

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

8.4 Receptors

The potential receptors relevant to potential site activities are:

- On-site staff and site visitors
- 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 with which they grow produce for consumption
- People growing fruit and / or vegetables 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	Unlikely PFAS concentrations detected to date in on-site soils were below the adopted Tier 1 HIL D for industrial / commercial land use. It is considered unlikely that site users, visitors, maintenance or construction workers would be exposed to PFAS quantities detrimental to their health. However, the extent of PFAS impacts in soils across the site has not been determined yet.
		Incidental ingestion of contaminated soil	
		Inhalation of contaminated soil or dust from disturbed soils	
	Ecosystem at, and immediately surrounding, the site	Direct contact with contaminated soil Ingestion of contaminated soil Bioaccumulation through indirect contact	Possible PFAS concentrations detected to date in soil on-site exceeded the adopted Tier 1 interim ecological criteria for indirect and/or direct exposure (T2D Geoventure 2021).
	Groundwater beneath the site	Rainwater / surface runoff leaching impacted soil followed by migration through porous media into groundwater	Possible The potential of PFAS leaching from contaminated soil into the groundwater has not been tested yet. PFAS concentrations detected in groundwater beneath the site exceeded the adopted Tier 1 human health and ecological assessment criteria.
On-site PFAS impacted concrete and bitumen surfaces	Site users, visitors, maintenance and construction workers	Direct dermal contact with contaminated concrete or bitumen	Unlikely Concrete and bitumen surfaces on-site that have historically been exposed to PFAS containing AFFF during training activities have not been tested for PFAS yet. It is considered unlikely that site users, visitors, maintenance or construction workers would be exposed to PFAS quantities detrimental to their health.
		Inhalation of contaminated dust	
		Groundwater beneath the site	Rainwater / surface runoff leaching impacted soil followed by migration through porous media into groundwater

Potential source	Receptor	Pathway	Pathway present?
PFAS-impacted groundwater	People using groundwater for: domestic and drinking purposes	Consumption of contaminated groundwater	<p>Possible</p> <p>The extent of PFAS in groundwater down hydraulic gradient of the site has not been delineated.</p> <p>Within a 2 km radius of the site 66 registered wells had TDS values in groundwater below 1,200 mg/L, which is considered suitable for domestic and primary irrigation purposes (Gov SA 2015), and 58 registered wells had domestic purposes. Therefore, potable use of groundwater cannot be ruled out.</p>
	People using groundwater for irrigation of vegetable gardens and / or fruit trees with which they grow produce for consumption	Consumption of fruit and vegetables irrigated by contaminated groundwater	<p>Possible</p> <p>The median TDS value of groundwater within 2 km of the site was 1,451 mg/L, which is considered suitable for domestic and primary irrigation purposes (Gov SA 2015). Eight registered wells within a 2 km radius of the site had irrigation purposes.</p> <p>The extent of PFAS in groundwater down hydraulic gradient of the site has not been delineated and residential properties with gardens where fruit and / or vegetables could be grown are present within 2 km of the site.</p>
	People growing fruit and / or vegetables in open soil which may interact with groundwater	Consumption of PFAS impacted fruit and / or vegetables	<p>On-site: No</p> <p>Limited testing to date of fruit grown on-site reported PFAS concentrations below the adopted guidelines (GHD 2019). MFS staff have been advised since 2018/2019 not to eat fruit grown on-site. The MFS will remove all fruit trees from the site as soon as possible.</p>
			<p>Off-site: possible</p> <p>The extent of PFAS in groundwater down hydraulic gradient of the site has not been delineated and residential properties with gardens where fruit and / or vegetables could be grown are present within 2 km of the site.</p>
	People using groundwater for recreational purposes such as filling of swimming pools	Incidental ingestion of contaminated groundwater	<p>Possible</p> <p>The extent of PFAS in groundwater down hydraulic gradient of the site has not been delineated and three wells within a 2 km radius of the site were identified as having a recreational purpose.</p>
Down gradient off-site maintenance and sub-surface construction workers that contact PFAS contaminated groundwater	Direct dermal contact or incidental ingestion of contaminated groundwater	<p>Unlikely</p> <p>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 and bitumen 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 unknown.
- The potential for PFAS to leach from contaminated on-site soil into the groundwater has not been tested yet.

9. Conclusions

GHD was engaged by the MFS to undertake a desktop preliminary site investigation for the fire station located at 1125 South Road, St Marys, 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 preliminary conceptual site model (PCSM) and to inform the preparation of a sampling and analysis quality plan (SAQP) for further assessments.

Documented information confirmed the historical use and storage of PFAS containing firefighting foam on-site after the MFS station was established in 1965. Prior to this no on-site land uses were identified that would have contributed to PFAS contamination. Off-site sources of PFAS contamination have not been identified, however, other commercial / industrial sites located in the vicinity of the MFS station, including automotive motor mechanics businesses, may have the potential for PFAS impacts to groundwater in the area.

Determination of site contamination and risk to human health and environment

Based on previous assessment results, PFAS impacts were identified in groundwater beneath the site at concentrations exceeding the PFAS NEMP 2020 drinking water and the recreational criteria. The lateral (or vertical) extent of PFAS in groundwater has not been delineated. PFAS impacts in on-site soils were identified at concentrations above the PFAS NEMP direct and indirect ecological criteria. The lateral and vertical extent of PFAS in soils across the site has not been delineated.

The PCSM identified the following potentially complete PFAS exposure pathways:

- Consumption of contaminated groundwater extracted off-site for domestic / drinking purposes.
- Consumption of fruit and vegetables 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.
- 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 / bitumen surfaces or inhalation of contaminated dust from such surfaces.
- Exposure of terrestrial fauna and flora to PFAS via direct contact with contaminated soil, ingestion of contaminated soil or bioaccumulation through indirect contact.
- Leaching of PFAS from contaminated soils or concrete / bitumen surfaces followed by migration through porous media into groundwater.

It was concluded that groundwater PFAS contamination beneath the site exists that may potentially pose a risk to human health or the environment.

Recommendations

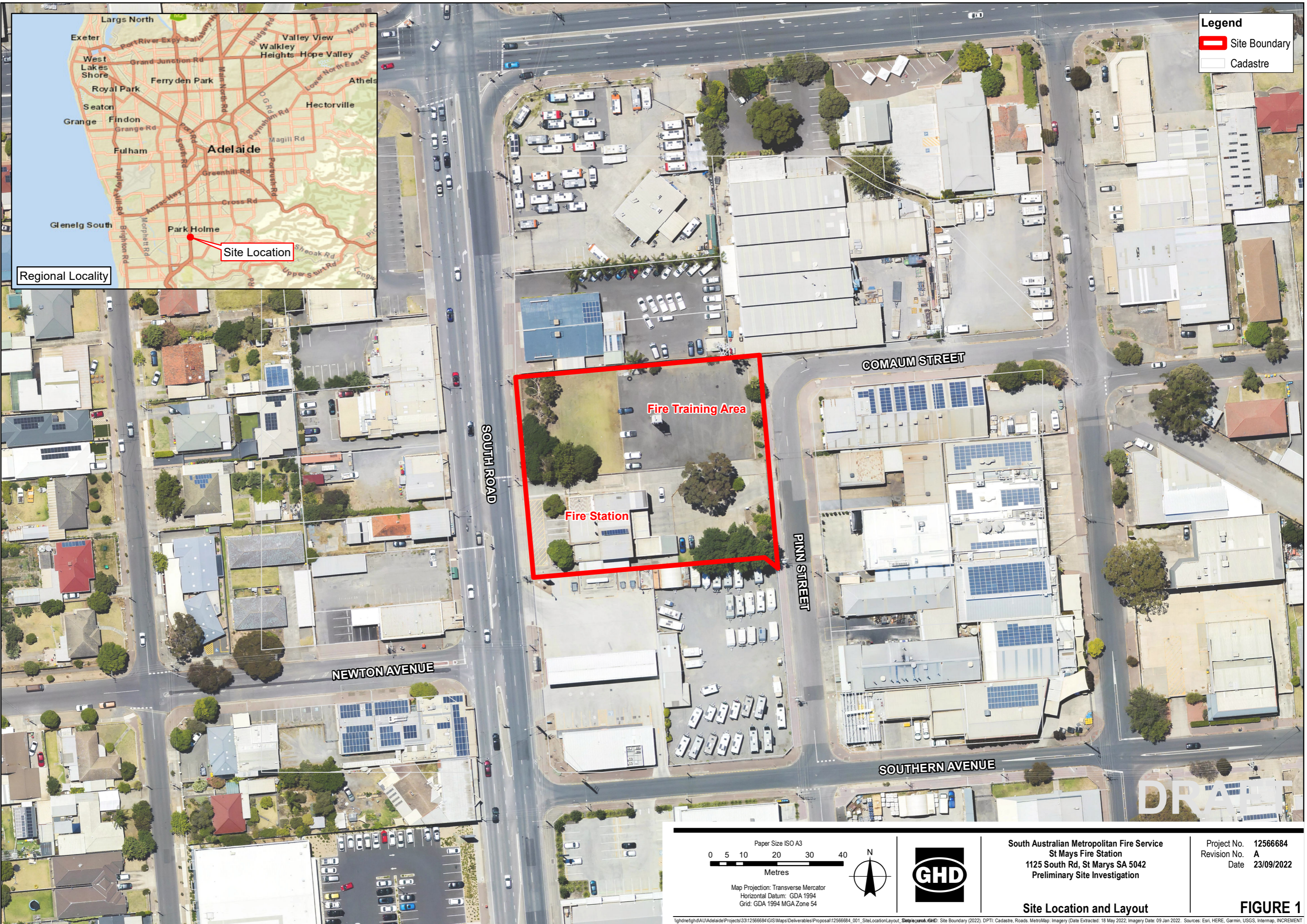
GHD recommends that further intrusive investigations be undertaken to delineate PFAS impacts in on-site soils, on-site concrete and bitumen surfaces and in on- and off-site groundwater. A preliminary groundwater assessment is recommended to determine if existing off-site groundwater wells are available for gauging sampling to confirm the groundwater flow direction, the hydraulic gradient and determine the presence of off-site impacts or potential off-site sources. In the event that impacts to groundwater are identified off-site that exceed applicable human health criteria, a survey of potential beneficial uses in the vicinity of the site and identified plume is recommended.

The objectives of further investigations, in accordance with the VSCAP, are to determine the nature and extent of on- and off-site PFAS contamination associated with historical activities at the site and to identify and assess any potential risks to human health and the environment from PFAS site contamination in the context of relevant land uses for any affected off-site properties.

10. References

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- Gov SA 2022, Location SA Map Viewer, Government of South Australia, accessed September 2022 via <https://location.sa.gov.au/viewer/>
- HEPA 2020, PFAS National Environmental Management Plan (Version 2.0), Heads of Environment Protection Authorities Australia and New Zealand, January 2020. (PFAS NEMP)
- Lotsearch 2022, 1125 South Road, St Marys, SA 5042, Reference number LS035821 EP, prepared by Lotsearch Enviro Professional, 31 August 2022.
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- SA EPA 2017, Site Contamination Regulatory and Orphan Site Management Framework, Environment Protection Authority, South Australia, July 2017.
- SA EPA 2019, Guidelines for the assessment and remediation (GAR) of site contamination, Environment Protection Authority, South Australia, November 2019.
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- SAILIS 2022, South Australian Integrated Land Information System, Land Services SA, <https://www.sailis.sa.gov.au/home/auth/login>.
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- T2D Geoventure 2021, North South Corridor (Torrens to Darlington) Stage 1, 1a and 1b Ground Investigation Contamination Factual Report, prepared for Department of Infrastructure and Transport by T2D Geoventure, dated 3 June 2021.

Figures



Regional Locality

Site Location

Legend

- Site Boundary
- Cadastrate

Fire Training Area

Fire Station

COMAUM STREET

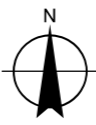
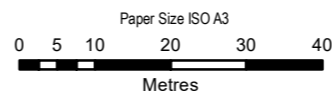
SOUTH ROAD

PINN STREET

NEWTON AVENUE

SOUTHERN AVENUE

DRAFT



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

South Australian Metropolitan Fire Service
St Marys Fire Station
1125 South Rd, St Marys SA 5042
Preliminary Site Investigation

Project No. 1256684
Revision No. A
Date 23/09/2022

Site Location and Layout

FIGURE 1

\\gdn\gdn\AU\Adelaide\Projects\331256684\GIS\Maps\Deliverables\Proposals\1256684_001_SiteLocationLayout_SampleLayout.dwg: Site Boundary (2022), DPTI: Cadastra, Roads, MetroMap: Imagery (Date Extracted: 18 May 2022, Imagery Date: 09 Jan 2022, Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community. Created by: dbbanan
Print date: 23 Sep 2022 - 13:00



Legend

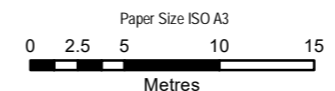
2020/2021 T2D Geoventure Investigation

- Groundwater Well
- Soil Bore

2019 GHD Investigation

- Biota Samples
- Soil Samples

- Site Boundary
- Fire Training
- Cadastre



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



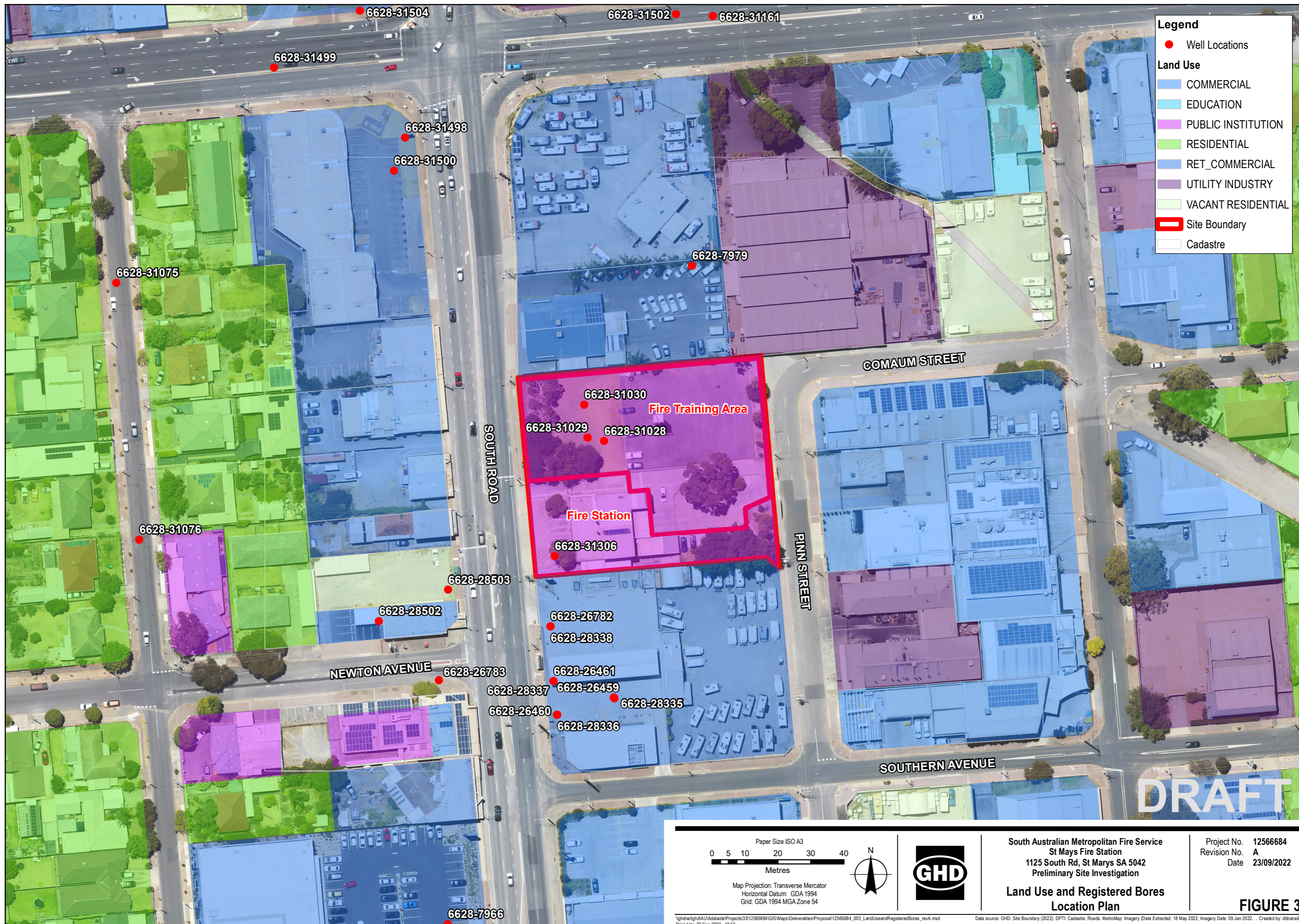
South Australian Metropolitan Fire Service
 St Mays Fire Station
 1125 South Rd, St Marys SA 5042
 Preliminary Site Investigation

Project No. 12566684
 Revision No. 0
 Date 21/09/2022

Previous Sampling Location Plan

FIGURE 2

\\gdn\gdn\AU\Addslde\Projects\3312566684\GIS\Maps\Deliverables\Proposals\12566684_002_PrevSamplingLoc_revA.mxd
 Print date: 21 Sep 2022 - 12:11
 Data source: GHD: Site Boundary (2022), DPTI: Cadastre, Roads, MetroMap; Imagery (Date Extracted: 18 May 2022; Imagery Date: 09 Jan 2022); Created by: dibanalin



Legend

- Well Locations

Land Use

- COMMERCIAL
- EDUCATION
- PUBLIC INSTITUTION
- RESIDENTIAL
- RET_COMMERCIAL
- UTILITY INDUSTRY
- VACANT RESIDENTIAL

▭ Site Boundary

▭ Cadastre

Paper Size ISO A3

0 5 10 20 30 40

Metres

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



South Australian Metropolitan Fire Service
St Marys Fire Station
1125 South Rd, St Marys SA 5042
Preliminary Site Investigation

**Land Use and Registered Bores
Location Plan**

Project No. 12566684
Revision No. A
Date 23/09/2022

FIGURE 3

\\ghd\it\ghd\AU\Adelaide\Projects\33112566684\GIS\Maps\Deliverables\Proposals\12566684_003_LandUseandRegisteredBores_revA.mxd
Print date: 23 Sep 2022 - 12:56
Data source: GHD: Site Boundary (2022); DPTI: Cadastre, Roads, MetroMap; Imagery (Date Extracted: 18 May 2022; Imagery Date: 09 Jan 2022); Created by: dibanan

Appendices

Appendix A

**SA EPA Correspondence and Section 83A
Notification**

Site contamination – Section 83A notification form



Site contamination that affects or threatens underground water notification form pursuant to section 83A of the *Environment Protection Act 1993*

Notifier details

Name: ELAINE SPENCE	Telephone: 0417 582 652
Company: Department for Infrastructure and Transport	Email: northsouthcorridor@sa.gov.au / elaine.spence@s
Address: 77 Grenfell St, ADELAIDE SA 5000	<input type="radio"/> the site owner <i>elaine.spence@sa.gov.au</i> <input type="radio"/> the site occupier <input type="radio"/> the site contamination consultant <input type="radio"/> the site contamination auditor

Site details

Site or establishment name (if appropriate): St Marys Fire Station	
Owner(s) (please include contact details where known): Metropolitan Fire Service	Occupier(s) (where different to owner):
Street address(es) (include lot or street number): 1125 South Road, ST MARYS	Certificate(s) of title (current): 5808 / 746

Location, nature and extent

Has a potentially contaminating activity been undertaken at the site, please describe... Firefighting Training.....

Does this notification relate to a change in the location, nature or extent of site contamination that has previously been notified to the EPA? Yes No

If yes, please provide the date(s) of previous notification(s):.....

Which group(s) do the chemical substance(s), identified as site contamination that affects or threatens groundwater, belong to?

<input type="checkbox"/> Metals & metalloids	<input type="checkbox"/> Non-metallic inorganics	<input type="checkbox"/> Organic alcohols/other organics
<input type="checkbox"/> Petroleum hydrocarbons	<input type="checkbox"/> Anilines	<input type="checkbox"/> Chlorinated alkanes
<input type="checkbox"/> Chlorinated alkenes	<input type="checkbox"/> Chlorinated benzenes	<input type="checkbox"/> Polychlorinated biphenyls
<input type="checkbox"/> Other chlorinated compounds	<input type="checkbox"/> Monocyclic aromatic compounds	<input type="checkbox"/> Polycyclic aromatic compounds
<input type="checkbox"/> Phenols	<input type="checkbox"/> Phthalates	<input type="checkbox"/> Pesticides/herbicides/fungicides
<input type="checkbox"/> Surfactants	<input checked="" type="checkbox"/> Other (please specify):..PFOA, PFQS and PFHxS.....	

Has an assessment of the environmental values of groundwater been undertaken? Yes No

If yes, what is the TDS range in mg/L (lowest concentration for the site)?

What are the environmental values of groundwater for the site?

Drinking water Primary industries (irrigation and general water uses)

Recreation and aesthetics

Aquatic ecosystems (marine)

Aquatic ecosystems (fresh)

Primary industries (aquaculture)

Primary industries (agriculture)

Where has the site contamination that affects or threatens groundwater been identified?

Soil/soil vapour Groundwater

Maximum depth: 5.2.....m bgl Targeted aquifer(s): Q1 and Q3.....

What is the depth to groundwater (where known)? 5.....m bgl

Has a non-aqueous phase liquid been identified or inferred? Yes No

If yes, please provide details of measured thickness (in metres):.....

Has site contamination that affects or threatens groundwater been identified¹ offsite? Yes No

If yes, please specify offsite certificate(s) of title or address(es):.....

An accurate scaled site plan showing sampling locations has been included.

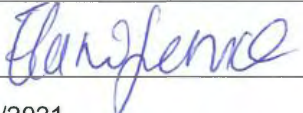
This notification provides the following information to determine the existence of site contamination and the support notification of site contamination that affects or threatens groundwater at the site?

Monitoring well data ²	<input type="radio"/> Yes <input checked="" type="radio"/> No	Soil lithological data	<input type="radio"/> Yes <input checked="" type="radio"/> No
Groundwater field data	<input type="radio"/> Yes <input checked="" type="radio"/> No	Soil vapour bore data	<input type="radio"/> Yes <input checked="" type="radio"/> No
Analytical laboratory data	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Quality assurance data	<input type="radio"/> Yes <input checked="" type="radio"/> No		

Has the electronic data been assessed as reliable in meeting the objectives of the assessment? Yes No

¹ Using direct evidence and not inferred information

² Not required where electronic information has previously been provided to the EPA and the data has not changed

Further assessment details	
Have chemical substances been identified that may represent background concentrations? <input type="radio"/> Yes <input checked="" type="radio"/> No	
If yes, will a background concentration ³ assessment be undertaken within the next 3 months? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is any further assessment being undertaken? <input type="checkbox"/> Preliminary site investigation <input type="checkbox"/> Detailed site investigation <input checked="" type="checkbox"/> Groundwater monitoring event <input checked="" type="checkbox"/> Other: <u>Further soil samples to be analysed</u>	Is the site subject to a current site contamination audit? <input type="radio"/> Yes <input checked="" type="radio"/> No If yes, please specify the EPA reference number for the audit:
Declaration	
<i>It is an offence to provide false or misleading information to the Authority. Maximum penalties range from \$30,000 for a natural person, to \$60,000 for a body corporate, pursuant to section 119 of the Environment Protection Act 1993.</i>	
I/We declare that the information provided in this form and any accompanying documents is not false or misleading in any material particular:	
Name: ELAINE SPENCE	Name:
Position: Technical Lead Contamination - NSC Team	Position:
Signature: 	Signature:
Date: 19/01/2021	Date:

³ Carried out in accordance with the EPA Guideline for the assessment of background concentrations (2018)

<p style="text-align: center;">Results Summary PFAS Detected in Groundwater January 2021</p>						PFAS			
						Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)	Perfluorooctanoic acid (PFOA)
						µg/L	µg/L	µg/L	µg/L
EQL						0.001	0.001	0.001	0.001
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Sand									
PFAS NEMP 2020 Table 1 Health Drinking Water						0.07			0.56
PFAS NEMP 2020 Table 1 Health Recreational Water						2			10
Well ID	Location	Water Depth (m bgl)	Coordinates		Date				
			MGA	Easting and Northing					
GW8001b	St Marys Fire Station	25	94 46/2	278706.0m E 6124949.0m N	23/12/2020	0.31	0.337	0.187	0.027
GW8002b		5	94 56/2	278701.0m E 6124950.0m N	23/12/2020	45	45.88	22.88	0.88

Soil results Summary PFAS in soil 19.01.2021		PFAS		
		Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)	Sum of PFAS (PFOS + PFOA)
		mg/kg	mg/kg	mg/kg
EQL		0.0002	0.005	0.005
PFAS NEMP 2020 Table 2 Health Industrial/Commercial		20		
PFAS NEMP 2020 Table 2 Health Public open space		1		
PFAS NEMP 2020 Table 2 Health Residential accessible soil		0.01		
PFAS NEMP 2020 Table 2 Health Residential min soil access		2		
Field ID	Date			
BH7028-Env-004-J-0.3-0.35	18/12/2020	0.853	0.853	0.84
BH7028-Env-006-J-1.0-1.05	18/12/2020	0.052	0.052	0.023
BH7028-Env-014-J-5.6-5.65	18/12/2020	0.101	0.101	0.07
BH7029-ENV-001-J-1.5-2	8/12/2020	0.077	0.077	0.077
BH7029-ENV-003-J-3.8-4	8/12/2020	0.028	0.028	0.028
BH7029-ENV-004-J-4.8-5.2	8/12/2020	0.0322	0.0322	0.026

Comments

#1 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard.



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

EPA GENI 62485

Ms Krystle Mitchell
Senior Scientific and Environmental Officer
South Australian Metropolitan Fire Service
By Email: Krystle.Mitchell@sa.gov.au

Dear Ms Mitchell,

RE: REVIEW OF SITE CONTAMINATION REPORT – ACTION REQUIRED

Site: St Marys Fire Station (CT 5808/746) and other South Australian Metropolitan Fire Service Stations

The Environment Protection Authority (EPA) has reviewed the following information:

- Section 83A Notification of site contamination of underground water, St Marys Fire Station, 1125 South Road, St Marys, prepared by Department for Infrastructure and Transport, dated 19 January 2021.
- *North South Corridor (Torrens to Darlington Stage 1), 1a and 1b Ground Investigation Contamination Factual Report*, prepared by T2D Geoventure, dated 3 June 2021.
- *South Australian Metropolitan Fire Service, MFS State Wide Appliance and Station Sampling*, prepared by GHD, dated May 2019.

St Marys Fire Station

Based on the reviewed information, the St Marys MFS station has been deemed to be a Level 1 regulatory priority in accordance with the EPA Site Contamination Regulatory and Orphan Site Management Framework (2017). This priority level assists the EPA in selecting the appropriate regulatory approach and reporting timeframe to ensure that site contamination is managed effectively.

As such, it has been deemed that a Voluntary Site Contamination Assessment Proposal (VSCAP) is necessary for effective regulation of the site. The *Environment Protection Act 1993* allows persons to prepare and submit voluntary site contamination assessment proposals and voluntary site remediation proposals¹ to the EPA for consideration. Proposals provide the EPA with assurance that any risks to human health and/or the environment will be addressed appropriately while also offering liable persons regulatory certainty. The provisions of the VSCAP should specifically address the following EPA assessment goals:

- Goal 2: Determine nature and extent of site contamination,
- Goal 3: Identify and assess any potential risks to human health or the environment.

The EPA requests that you engage a suitably qualified consultant to prepare and submit a VSCAP that includes provision to meet the above goals at the St Marys MFS station.

Please provide a copy of this letter to your engaged consultant and/or certified site contamination practitioner to assist them in the drafting the voluntary proposal.

Various other fire stations

¹ Sections 103 I and K of the *Environment Protection Act 1993*

The EPA has determined that the information contained in the GHD (2019) report constitutes information that must be placed in the EPA Public Register under the provisions of section 109(3)(h) of the *Environment Protection Act 1993*. The key outcome of this determination is that this information will be identified by the EPA when responding to enquiries under the *Land and Business (Sale & Conveyancing) Act 1994* for the following MFS stations, following the detection of PFAS above the PFAS NEMP (2020) ecological investigation levels protective of indirect PFAS exposures to ecological receptors:

- Angle Park Training Centre (CT 6005/338)
- Brooklyn Park MFS Station (CT 5202/341)
- Camden Park MFS Station (CT 5413/751)
- Christie Downs MFS Station (CT 5534/85)
- Kapunda MFS Station (CT 5856/347)
- Loxton MFS Station (CT 5191/414)
- Moonta MFS Station (CT 5690/145)
- Mount Gambier MFS Station (CT 5714/676)
- Murray Bridge MFS Station (CT 5494/672)
- Oakden MFS Station (CR 5759/678)
- O'Halloran Hill MFS Station (CT 5500/291)
- Peterborough MFS Station (CT 5815/109)
- Port Adelaide MFS Station (CT 5450/700)
- Port Augusta MFS Station (CT 5759/680)
- Port Pirie MFS Station (CT 5800/269)
- St Marys MFS Station (CT 5808/746)
- Whyalla MFS Station (CT 5212/286)
- Woodville MFS Station (CT 5773/270)

It is noted that while the reviewed reports did not discuss the Oakden fire station, the tabulated data appended to the GHD (2019) report included data for the Oakden MFS station that indicated exceedances of relevant criteria, hence, this site has been included in the titles flagged.

The details of this information will also be available to any interested person on specific enquiry to the EPA Public Register.

Review of the limited soil and biota assessment results presented in the GHD (2019) report suggests that further assessment of PFAS contamination at a large number of MFS sites across the state is required. As such, consideration should be given to risk profiling the sites and prioritising assessment at higher risk sites. The EPA recommends that risk profiling include consideration of:

- sensitive land uses and bore users within the vicinity of the sites
- ecological receptors in the vicinity of the sites
- historic use of firefighting foams on-site
- available soil and produce data presented in the GHD (2019) report detailed above (and any other internal information held)

Further information on PFAS contaminated site prioritisation can be found in Section 7 of the PFAS National Environmental Management Plan Version 2.0 (Heads of EPA 2020).

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 report delivery

date please contact the EPA as soon as possible. Alternatively, please contact the EPA to arrange a meeting time to discuss any of the above.

Please provide a copy of this letter to your engaged consultant to assist them in developing a scope of works for the site.

Fact sheets relating to your obligations under the *Environment Protection Act 1993* and how to engage a site contamination consultant be found at www.epa.sa.gov.au.

If you would like further assistance on this matter please contact Brooke Ryan on (08) 8204 8525 or at brooke.ryan2@sa.gov.au.

Yours sincerely

Rebecca Hughes

**/MANAGER SITE CONTAMINATION
ENVIRONMENT PROTECTION AUTHORITY**

Date: 21 October 2021



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

EPA GENI 62795

Mr Jeff Swann
A/ACFO
South Australian Metropolitan Fire Service
99 Wakefield Street
ADELAIDE SA 5001
By Email: jeff.swann@sa.gov.au

Dear Mr Swann,

RE: VOLUNTARY SITE CONTAMINATION ASSESSMENT PROPOSAL

SITE: St Marys Fire Station, 1125 South Road, ST MARYS SA 5042

I refer you to the following Voluntary Site Contamination Assessment Proposal (VSCAP) received by the Environment Protection Authority (EPA) on 24 June 2022, prepared in relation to the above mentioned site;

- *'MFS St Marys Fire Station Voluntary Site Contamination Assessment Proposal'* prepared by GHD, on behalf of South Australian Metropolitan Fire Service, dated 23 June 2022.

The EPA has reviewed the VSCAP and is satisfied that the terms of the VSCAP are appropriate for the site, the EPA therefore approves the VSCAP pursuant to section 103I(3) of the *Environment Protection Act 1993* (EP Act).

Please keep the EPA advised of your progress in completing the agreed deliverables by the timeframes in the VSCAP. If at any stage during the site contamination assessment the MFS will be unable to meet the timeframes proposed in the VSCAP, please inform the EPA as soon as possible using the mechanisms proposed in the agreement.

The details of the agreement have been recorded in the EPA Public Register¹. In addition to this, details of each environment assessment report carried out in relation to land for the purposes of an approved VSCAP will also be recorded in the Public Register².

Please note that if the MFS does not meet the agreed deliverables described in the VSCAP (Attachment 1), the EPA may require the work to be undertaken using further regulatory action.

If you would like further assistance on this matter please contact Brooke Ryan on (08) 8204 8525 or at brooke.ryan2@sa.gov.au.

¹ In accordance with section 109(3)(ic)(i) of the *Environment Protection Act 1993*

² In accordance with regulation 16(1)(e)(i) of the *Environment Protection Regulations 2009*.

Yours sincerely

Rebecca Hughes

**MANAGER SITE CONTAMINATION
ENVIRONMENT PROTECTION AUTHORITY**

Date: 29 June 2022

Cc: Krystle Mitchell, SA MFS (by email: krystle.mitchell@sa.gov.au)

Cc: Dilara Valiff, GHD (by email: Dilara.valiff@ghd.com)

Attachment 1:

MFS St Marys Fire Station Voluntary Site Contamination Assessment Proposal prepared by GHD, on behalf of SA MFS, dated 23 June 2022.

SERVICE OF AGREEMENT OF VOLUNTARY PROPOSAL

To:at:

Time and Date:

Personal/post/facsimile:

Signed:.....

Name: of the Environment Protection Authority

Appendix B

Lotsearch Report LS035821 EP



LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 31 Aug 2022 14:03:56

Reference: LS035821 EP

Address: 1125 South Road, St Marys, SA 5042

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	22/08/2022	22/08/2022	Monthly	1000m	3	5	54
EPA Environmental Protection Orders	EPA South Australia	08/08/2022	08/08/2022	Monthly	1000m	0	1	3
EPA Environmental Authorisations	EPA South Australia	08/08/2022	08/08/2022	Monthly	1000m	2	4	30
EPA Assessment Areas	EPA South Australia	01/08/2022	01/08/2022	Quarterly	1000m	0	1	5
EPA Groundwater Prohibition Areas	EPA South Australia	01/08/2022	26/08/2021	Monthly	1000m	0	1	2
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	01/08/2022	01/08/2022	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	01/08/2022	01/08/2022	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	01/08/2022	01/08/2022	Monthly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	06/06/2022	06/06/2022	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	23/06/2022	23/06/2022	Quarterly	1000m	0	0	1
National Liquid Fuel Facilities	Geoscience Australia	23/08/2022	15/03/2012	Annually	1000m	0	1	3
Historical Business Directories (Premise & Intersection Matches)	Hardie Grant, Sands & McDougall			Not required	150m	3	204	309
Historical Business Directories (Road & Area Matches)	Hardie Grant, Sands & McDougall			Not required	150m	-	131	135
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant, Sands & McDougall			Not required	500m	0	13	54
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant, Sands & McDougall			Not required	500m	-	7	11
Mines and Mineral Deposits	Department for Energy and Mining	01/08/2022	01/08/2022	Quarterly	1000m	0	0	0
Groundwater Aquifers	Department for Environment and Water	29/03/2021	01/01/2008	Annually	1000m	1	1	1
Drillholes	Department for Environment and Water	15/06/2022	02/06/2022	Quarterly	2000m	4	18	768
Surface Geology 1:100,000	Department for Energy and Mining	12/07/2018	01/07/2018	As required	1000m	1	1	2
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	1
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	1
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	01/08/2022	23/06/2022	Monthly	1000m	1	5	15
Planning and Design Code - Subzones	Attorney-General's Department	01/08/2022	20/01/2022	Monthly	1000m	0	0	0
Land Use Generalised 2020	Department of Planning, Transport and Infrastructure	15/11/2021	23/10/2021	Annually	1000m	3	7	12
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	17/08/2022	23/09/2021	Quarterly	1000m	0	0	2
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	01/08/2022	01/08/2022	Monthly	1000m	0	0	0
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	01/08/2022	01/08/2022	Monthly	1000m	1	2	2
Groundwater Dependent Ecosystems Atlas	Bureau of Meteorology	14/08/2017	15/05/2017	Annually	1000m	0	0	0
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	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

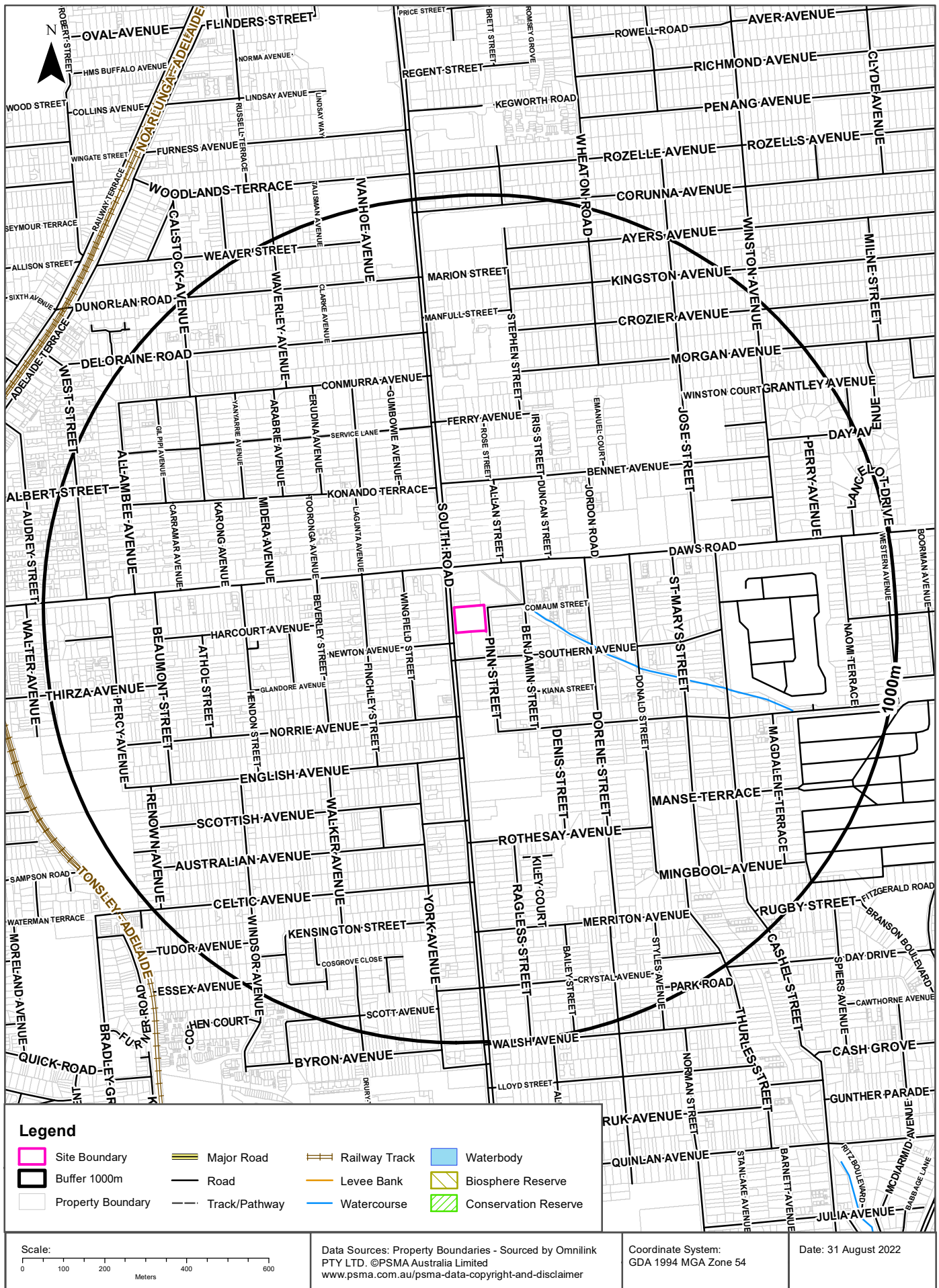
1125 South Road, St Marys, SA 5042



<p>Legend</p> <ul style="list-style-type: none"> Site Boundary Internal Parcel Boundaries 	<p>Total Area: 4569m²</p> <p>Total Perimeter: 276m</p> <p>Disclaimers:</p> <p>Measurements are approximate only and may have been simplified or smaller lengths removed for readability.</p> <p>Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.</p>	<p>Scale:</p> <p>0 12.5 25 Meters</p> <p>Data Source Aerial Imagery: © Aerometrex Pty Ltd</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Coordinate System: GDA 1994 MGA Zone 54</td> <td style="width: 50%;">Date: 31 August 2022</td> </tr> </table>	Coordinate System: GDA 1994 MGA Zone 54	Date: 31 August 2022
Coordinate System: GDA 1994 MGA Zone 54	Date: 31 August 2022			

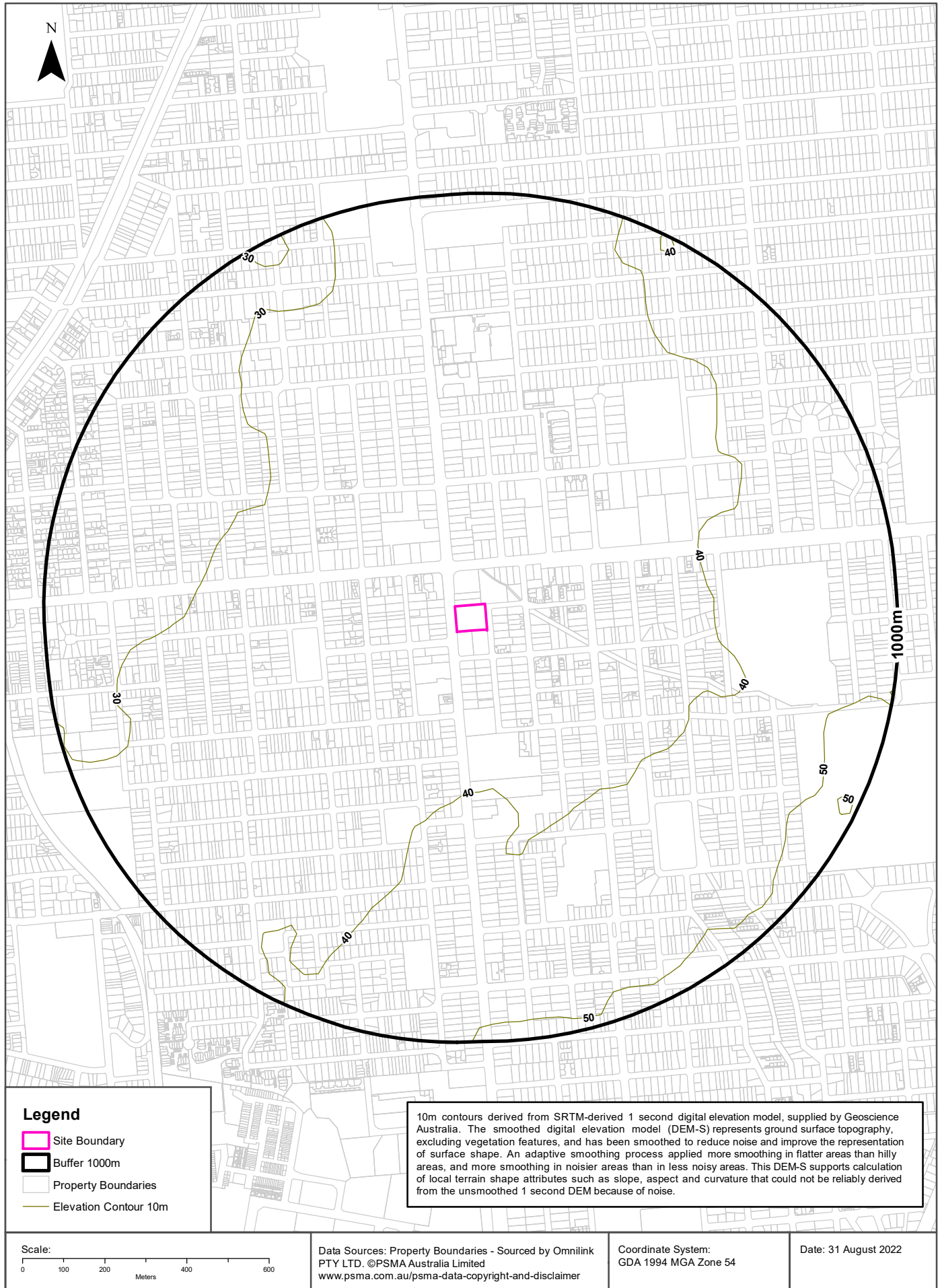
Topographic Features

1125 South Road, St Marys, SA 5042



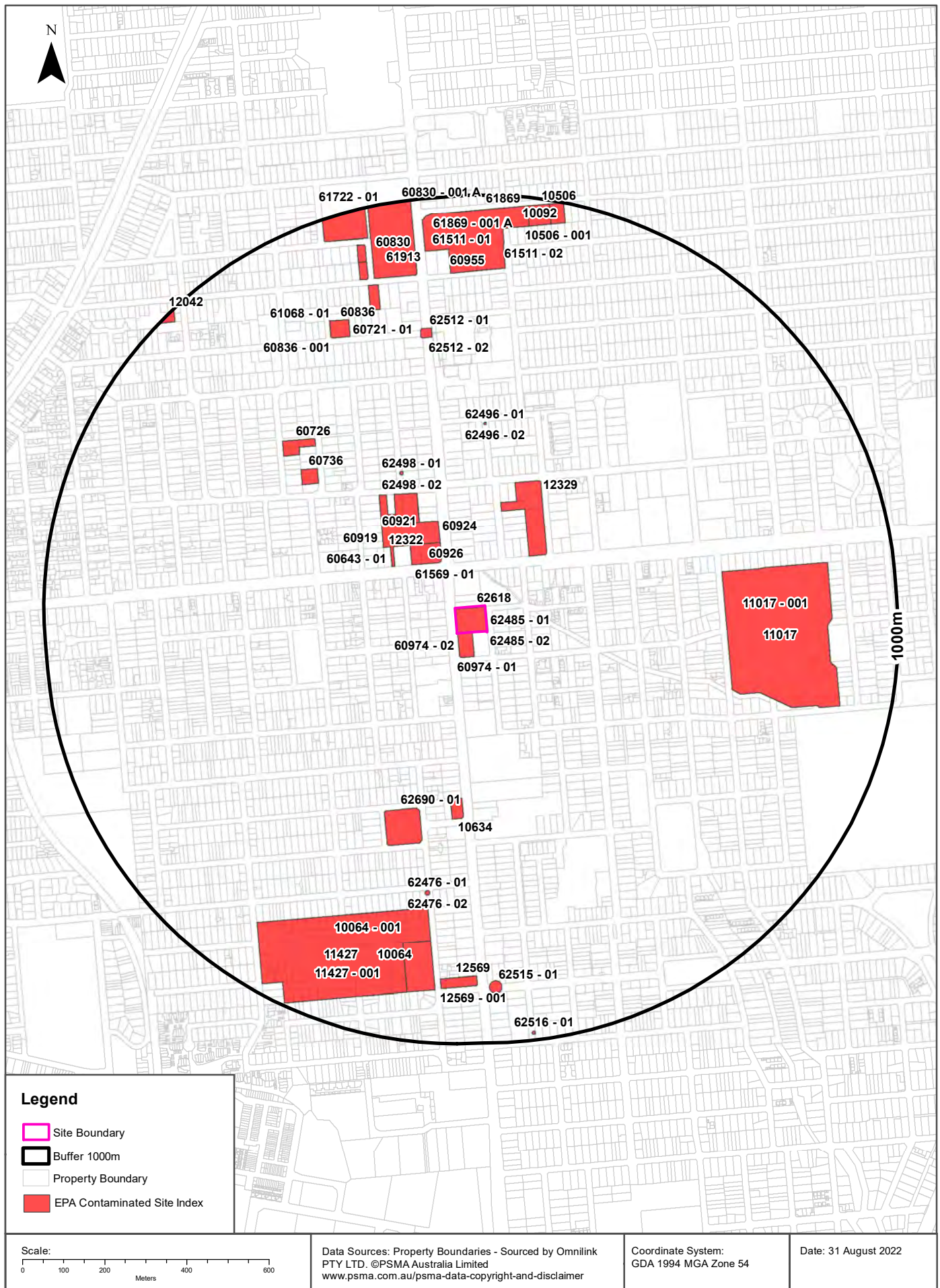
Elevation Contours

1125 South Road, St Marys, SA 5042



EPA Site Contamination Index

1125 South Road, St Marys, SA 5042



EPA Contaminated Land

1125 South Road, St Marys, SA 5042

EPA Site Contamination Index

Sites on the EPA Contamination Index within the dataset buffer:

Notification No	Type	Address	Activity	Status	LocConf	Dist	Dir
62485 - 01	S83A Notification	1125 South Road ST MARYS SA 5042	Fire stations; Fire training areas	Current EPA List	Premise Match	0m	On-site
62485 - 02	S83A Notification	1125 South Road ST MARYS SA 5042	Fire stations; Fire training areas	Current EPA List	Premise Match	0m	On-site
62618	109 Notification	1125 South Road ST MARYS SA 5042	Fire stations; Fire training areas	Current EPA List	Premise Match	0m	On-site
60974 - 01	S83A Notification	1129-1131 South Road ST MARYS SA 5042	Service stations	Current EPA List	Premise Match	0m	South
60974 - 02	S83A Notification	1129-1131 South Road ST MARYS SA 5042	Listed Substances (storage); Service stations	Current EPA List	Premise Match	0m	South
61569 - 01	S83A Notification	100 - 102 Daws Rd & 1108, 1110 & 1112 South Rd EDWARDSTOWN SA 5039	Not recorded	Current EPA List	Premise Match	118m	North West
12329	109 Notification	Allotments 9-13,17,18 (DP 5154) & Allotments 31-33 (FP 10790) 120 Daws Road MELROSE PARK SA 5039	Not recorded	Current EPA List	Premise Match	160m	North East
12322	109 Notification	1102 - 1106 South Road EDWARDSTOWN SA 5039	Listed Substances (storage); Motor vehicle repair or maintenance	Current EPA List	Premise Match	164m	North West
60643 - 01	S83A Notification	1102-1106 South Road EDWARDSTOWN SA 5039	Listed Substances (storage); Motor vehicle repair or maintenance	Current EPA List	Premise Match	164m	North West
60919	Liability Transfer	1102-1106 South Road EDWARDSTOWN SA 5039	Listed Substances (storage); Motor vehicle repair or maintenance	Current EPA List	Premise Match	164m	North West
60921	109 Notification	1102 - 1106 South Road & 2 - 6 & 10 Konando Tce EDWARDSTOWN SA 5039	Listed Substances (storage); Motor vehicle repair or maintenance	Current EPA List	Premise Match	164m	North West
60924	109 Notification	1102 - 1106 South Road & 2 - 6 Konando Terrace EDWARDSTOWN SA 5039	Listed Substances (storage); Motor vehicle repair or maintenance	Current EPA List	Premise Match	164m	North West
60926	109 Notification	1102- 1106 Sth Road & EDWARDSTOWN SA 5039	Listed Substances (storage); Motor vehicle repair or maintenance	Current EPA List	Premise Match	164m	North West
62498 - 01	S83A Notification	Road Verge Gunbowie Avenue EDWARDSTOWN SA 5039	Not recorded	Current EPA List	Premise Match	350m	North West
62498 - 02	S83A Notification	Road Verge 4 Gunbowie Avenue EDWARDSTOWN SA 5039	Not recorded	Current EPA List	Premise Match	350m	North West
10634	SAHC	1186-1188 South Road CLOVELLY PARK SA 5042	Not recorded	Current EPA List	Premise Match	401m	South
62690 - 01	S83A Notification	2-6 Cavan Terrace CLOVELLY PARK SA 5042	Not recorded	Current EPA List	Premise Match	437m	South
62496 - 01	S83A Notification	Groundwater Monitoring Well located on Rose Street MELROSE PARK SA 5039	Not recorded	Current EPA List	Premise Match	439m	North
62496 - 02	S83A Notification	Groundwater Monitoring Well located on Rose Street MELROSE PARK SA 5039	Not recorded	Current EPA List	Premise Match	439m	North
60736	109 Notification	4-6 Erudina Avenue EDWARDSTOWN SA 5039	Surface Coating	Current EPA List	Premise Match	451m	North West
60726	S83 Notification	15-17 Arabrie Avenue EDWARDSTOWN SA 5039	Surface Coating	Current EPA List	Premise Match	521m	North West
11017	Pre 1 July 2009 Audit Notification	1 Cashel Street PASADENA SA 5042	Not recorded	Current EPA List	Premise Match	580m	East
11017 - 001	Pre 1 July 2009 Audit Report	1 Cashel Street PASADENA SA 5042	Not recorded	Current EPA List	Premise Match	580m	East
62476 - 01	S83A Notification	Corner York and Celtic Avenue CLOVELLY PARK SA 5042	Not recorded	Current EPA List	Premise Match	630m	South
62476 - 02	S83A Notification	York Avenue, South Road, Merriton Avenue - Clovelly Park and St Marys CLOVELLY PARK SA 5042	Not recorded	Current EPA List	Premise Match	630m	South

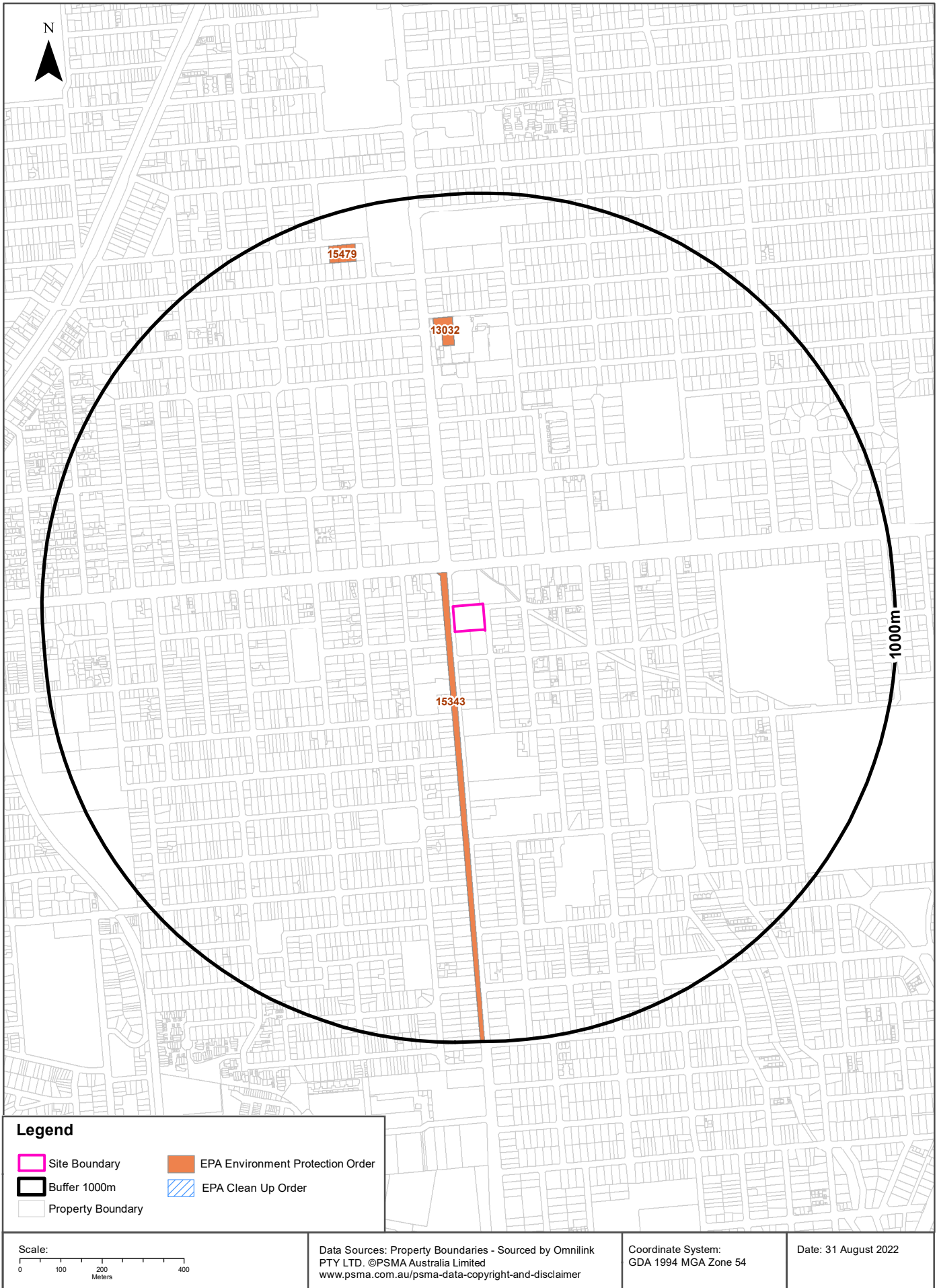
Notification No	Type	Address	Activity	Status	LocConf	Dist	Dir
62512 - 01	S83A Notification	Road Reserve, Corner Deloraine Road and South Road EDWARDSTOWN SA 5039	Not recorded	Current EPA List	Road Intersection	662m	North
62512 - 02	S83A Notification	Road Reserve, Corner Deloraine Road and South Road EDWARDSTOWN SA 5039	Not recorded	Current EPA List	Road Intersection	662m	North
10064	Pre 1 July 2009 Audit Notification	York Avenue CLOVELLY PARK SA 5042	Not recorded	Current EPA List	Premise Match	672m	South
10064 - 001	Pre 1 July 2009 Audit Report	York Avenue CLOVELLY PARK SA 5042	Not recorded	Current EPA List	Premise Match	672m	South
11427	Pre 1 July 2009 Audit Notification	York Avenue CLOVELLY PARK SA 5042	Not recorded	Current EPA List	Premise Match	672m	South
11427 - 001	Pre 1 July 2009 Audit Report	York Avenue CLOVELLY PARK SA 5042	Not recorded	Current EPA List	Premise Match	672m	South
60721 - 01	S83A Notification	13-15 Deloraine Road EDWARDSTOWN SA 5039	Metal coating, finishing or spray painting	Current EPA List	Premise Match	709m	North West
60836	Audit Notification	13-15 Deloraine Road EDWARDSTOWN SA 5039	Not recorded	Current EPA List	Premise Match	709m	North West
60836 - 001	Audit Report	13-15 Deloraine Road EDWARDSTOWN SA 5039	Fill or soil importation; Liquid organic chemical substances-storage; Metal forging; Wastewater storage, treatment or disposal	Current EPA List	Premise Match	709m	North West
61068 - 01	S83A Notification	13-15 Deloraine Road EDWARDSTOWN SA 5039	Fill or soil importation; Listed Substances (storage); Metal forging; Wastewater storage, treatment or disposal	Current EPA List	Premise Match	709m	North West
10092	109 Notification	Woodlands Terrace EDWARDSTOWN SA 5039	Not recorded	Current EPA List	Premise Match	751m	North
60830	Audit Termination	3-7 & 8-18 Woodlands Terrace, 6 Dunorlan Road & 1028-1042 South Road EDWARDSTOWN SA 5039	Not recorded	Current EPA List	Premise Match	751m	North
60830	Audit Notification	3-7 & 8-18 Woodlands Terrace, 6 Dunorlan Road & 1028-1042 South Road EDWARDSTOWN SA 5039	Listed Substances (manufacture, production, recycling)	Current EPA List	Premise Match	751m	North
60830 - 001 A	Audit Report	3-7 & 8-18 Woodlands Terrace, 6 Dunorlan Road & 1028-1042 South Road EDWARDSTOWN SA 5039	Plastics manufacture works; Rubber manufacture or processing	Current EPA List	Premise Match	751m	North
60955	109 Notification	Lots 75 & 76 Marion Street and 1031-1037 South Road MELROSE PARK SA 5039	Listed Substances (manufacture, production, recycling)	Current EPA List	Premise Match	815m	North
61869 - 001 A	Audit Report	1031-1037 South Road MELROSE PARK SA 5039	Plastics manufacture works	Current EPA List	Premise Match	815m	North
61722 - 01	S83A Notification	1028-1042 South Road; 14 Weaver Street & 8-18 Woodlands Terrace EDWARDSTOWN SA 5039	Listed Substances (storage)	Current EPA List	Premise Match	818m	North
12569	Pre 1 July 2009 Audit Notification	1244 South Road CLOVELLY PARK SA 5042	Not recorded	Current EPA List	Premise Match	836m	South
12569 - 001	Pre 1 July 2009 Audit Report	1244 South Road CLOVELLY PARK SA 5042	Works depots	Current EPA List	Premise Match	836m	South
62515 - 01	S83A Notification	Road verge, corner Crystal Avenue and South Road ST MARYS SA 5042	Not recorded	Current EPA List	Premise Match	849m	South
61511 - 01	S83A Notification	1031-1037 South Road MELROSE PARK SA 5039	Plastics manufacture works	Current EPA List	Premise Match	872m	North
61511 - 02	S83A Notification	1031-1037 South Road MELROSE PARK SA 5039	Plastics manufacture works	Current EPA List	Premise Match	872m	North
61869	Audit Notification	1031-1037 South Road MELROSE PARK SA 5039	Not recorded	Current EPA List	Premise Match	872m	North
61913	Voluntary Proposal	1031-1037 South Road MELROSE PARK SA 5039	Plastics manufacture works	Current EPA List	Premise Match	872m	North
10506	Pre 1 July 2009 Audit Notification	Corunna Avenue MELROSE PARK SA 5039	Not recorded	Current EPA List	Premise Match	930m	North
10506 - 001	Pre 1 July 2009 Audit Report	Corunna Avenue MELROSE PARK SA 5039	Not recorded	Current EPA List	Premise Match	930m	North
12042	SAHC	58-66 Dunorlan Road EDWARDSTOWN SA 5039	Fill or soil importation; Listed Substances (storage)	Current EPA List	Premise Match	974m	North West
62516 - 01	S83A Notification	Road verge, corner Walsh Avenue & Ragless Street ST MARYS SA 5042	Not recorded	Current EPA List	Premise Match	977m	South

Notification No	Type	Address	Activity	Status	LocConf	Dist	Dir
62515 - 02	S83A Notification	Road verge, corner Crystal Avenue and South Road GLANDORE SA 5037	Not recorded	Current EPA List	Suburb Match	-	-

Site Contamination Index Data Source: EPA South Australia

EPA Environment Protection and Clean Up Orders

1125 South Road, St Marys, SA 5042



EPA Public Register

1125 South Road, St Marys, SA 5042

EPA Environment Protection and Clean Up Orders

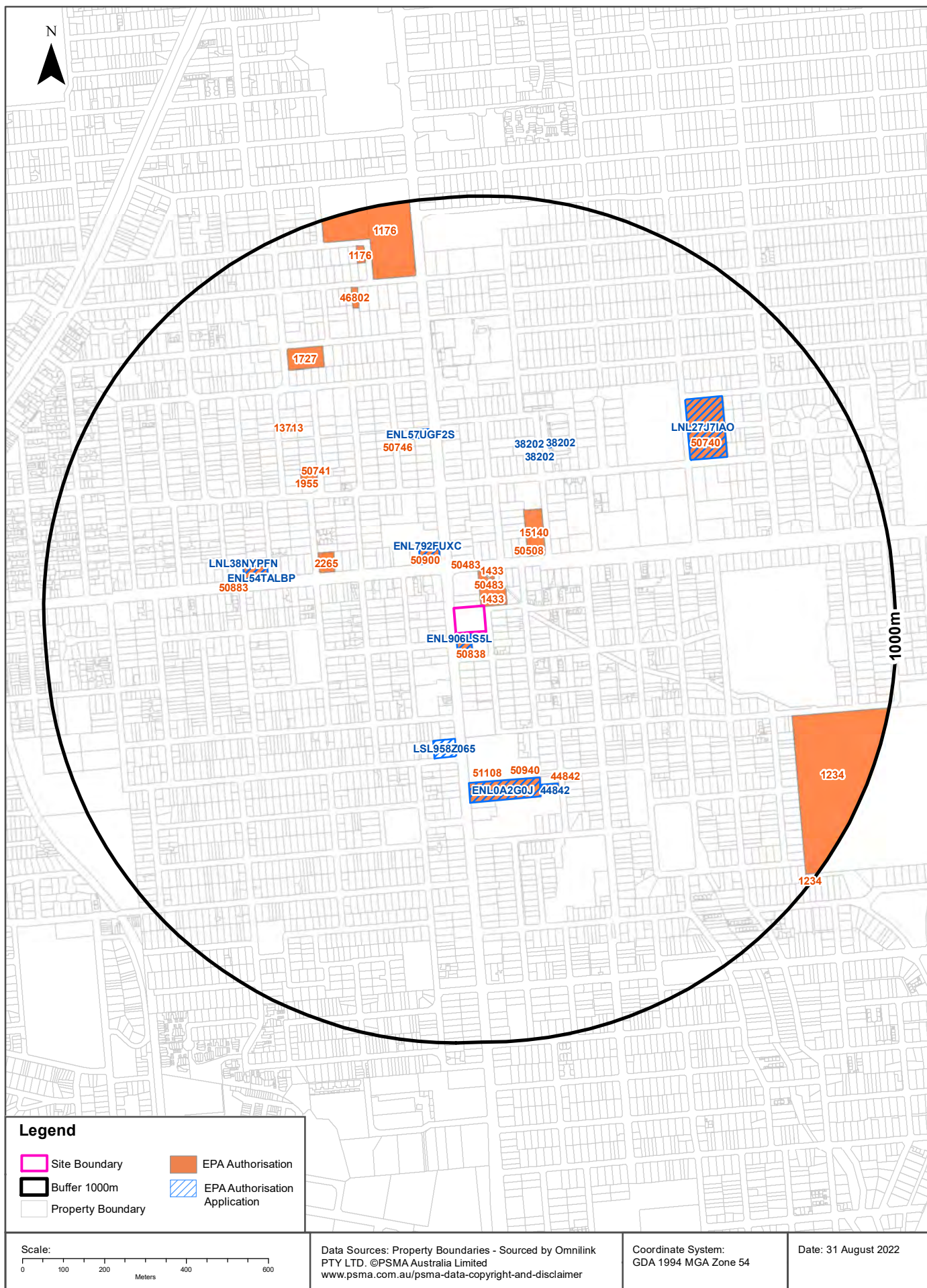
EPA Environment Protection and Clean Up Orders, within the dataset buffer:

Record No.	Record Type	Record Status	Entity	Site Address	Activity	EPA Register Status	LocConf	Dist	Dir
15343	ENVIRONMENT PROTECTION ORDER	ISSUED	Waste Management Pacific Pty Ltd	South Road, Clovelly Park SA 5042	Caused environmental nuisance in the form of noise caused by waste collection services.	Current EPA Register	Road Match	9m	South
13032	ENVIRONMENT PROTECTION ORDER	COMPLIED	Plasteel SA	Manfull Street, Melrose Park SA 5039	Failed to carry out maintenance of fuel burning equipment, control equipment or any other plant or equipment in a proper and efficient manner.	Current EPA Register	Premise Match	634m	North
15479	ENVIRONMENT PROTECTION ORDER	COMPLIED	D&J Kelly Investments Pty Ltd	Weaver Street, Edwardstown SA 5039	Deposited construction and demolition waste on the site without an environmental authorisation (licence).	Current EPA Register	Premise Match	874m	North

Authorisations Data Source: EPA South Australia

EPA Authorisations and Applications

1125 South Road, St Marys, SA 5042



EPA Public Register

1125 South Road, St Marys, SA 5042

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
1433	LICENCE	Transferred	ANDREW BRUCE MORTON	133 Daws Road, ST MARYS SA 5042	Abrasive blasting,Activities producing listed wastes,Fuel burning comprising the burning of fuel to stove enamel or to bake or dry substances releasing dust or air impurities,Surface coating works (spray painting or powder coating)	Current EPA Register	Premise Match	0m	On-site
50483	LICENCE	Issued	ARKOTE PTY LTD	133 Daws Road, ST MARYS SA 5042	Abrasive blasting,Activities producing listed wastes,Fuel burning comprising the burning of fuel to stove enamel or to bake or dry substances releasing dust or air impurities,Surface coating works (spray painting or powder coating)	Current EPA Register	Premise Match	0m	On-site
50838	LICENCE	Issued	AMPOL AUSTRALIA PETROLEUM PTY LTD	1129-1131 South Road, ST MARYS SA 5042	Petrol stations	Current EPA Register	Premise Match	0m	South
ENL906LS5L	LICENCE APPLICATION	Authorisation Updated	CALTEX AUSTRALIA PETROLEUM PTY LTD	1129-1131 South Road, ST MARYS SA 5042	Petrol stations	Current EPA Register	Premise Match	0m	South
50900	LICENCE	Issued	EUREKA OPERATIONS PTY LTD	1112 South Road, EDWARDSTOWN SA 5039	Petrol stations	Current EPA Register	Premise Match	118m	North West
ENL792FUXC	LICENCE APPLICATION	Authorisation Updated	EUREKA OPERATIONS PTY LTD	1112 South Road, EDWARDSTOWN SA 5039	Petrol stations	Current EPA Register	Premise Match	118m	North West
15140	LICENCE	Transferred	ANODISERS (SA) PTY LTD	120 Daws Road, MELROSE PARK SA 5039	Activities producing listed wastes,Surface coating works - metal finishing	Current EPA Register	Premise Match	160m	North East
50508	LICENCE	Issued	KEY MANUFACTURING PTY LIMITED	120 Daws Road, MELROSE PARK SA 5039	Activities producing listed wastes,Surface coating works - metal finishing	Current EPA Register	Premise Match	160m	North East
LSL958Z065	LICENCE APPLICATION	Authorisation Updated	ON THE RUN PTY LTD	1172-1174 South Road, CLOVELLY PARK SA 5042	Petrol stations	Current EPA Register	Premise Match	258m	South
2265	LICENCE	Issued	A.B. & S.M. RAWLINGS PTY. LTD.	76 Daws Road, EDWARDSTOWN SA 5039	Waste recycling depot (waste for resource recovery or transfer)	Current EPA Register	Premise Match	303m	West
50940	LICENCE	Transferred	SHAHIN ENTERPRISES PTY. LTD.	1175-1181 South Road, ST MARYS SA 5042	Petrol stations	Current EPA Register	Premise Match	363m	South
51108	LICENCE	Issued	ON THE RUN PTY LTD	1175-1181 South Road, ST MARYS SA 5042	Petrol stations	Current EPA Register	Premise Match	363m	South
ENL0A2G0J	LICENCE APPLICATION	Authorisation Updated	SHAHIN ENTERPRISES PTY. LTD.	1175-1181 South Road, ST MARYS SA 5042	Petrol stations	Current EPA Register	Premise Match	363m	South

Record No.	Record Type	Record Status	Entity	Site Address	Activity	EPA Register Status	LocConf	Dist	Dir
44842	LICENCE	Issued	LA CREMA COFFEE PTY LTD	14 Denis Street, ST MARYS SA 5042	Produce processing works (deep fat frying, roasting or drying)	Current EPA Register	Premise Match	395m	South East
44842	LICENCE APPLICATION	Proceed To Authorisation	ACN 164 033 050 Pty Ltd	14 Denis Street, St Marys SA 5042	Produce processing works (deep fat frying, roasting or drying)	Current EPA Register	Premise Match	395m	South East
38202	LICENCE APPLICATION	Proceed To Authorisation	S A Group Enterprises Inc	3/4 Iris Street, Melrose Park SA 5039	Waste recycling depot (waste for resource recovery or transfer)	Current EPA Register	Premise Match	417m	North East
50746	LICENCE	Issued	A. BRIANNI NOMINEES PTY LIMITED	1080 SOUTH Road, EDWARDSTOWN SA 5039	roasting or drying),Produce processing works (deep fat frying	Current EPA Register	Premise Match	422m	North
ENL57 UGF2S	LICENCE APPLICATION	Authorisation Updated	A. BRIANNI NOMINEES PTY LIMITED	1080 SOUTH Road, EDWARDSTOWN SA 5039	roasting or drying),Produce processing works (deep fat frying	Current EPA Register	Premise Match	422m	North
1955	LICENCE	Transferred	ASSOCIATED METAL IMPROVEMENTS PTY. LIMITED	4-6 Erudina Avenue, EDWARDSTOWN SA 5039	Activities producing listed wastes	Current EPA Register	Premise Match	451m	North West
50741	LICENCE	Issued	MCLEOD PLATING PTY LTD	4-6 Erudina Avenue, EDWARDSTOWN SA 5039	Activity producing listed waste	Current EPA Register	Premise Match	451m	North West
50883	LICENCE	Issued	AA TRADING PTY LTD	62 Daws Road, EDWARDSTOWN SA 5039	Petrol stations	Current EPA Register	Premise Match	460m	West
ENL54 TALBP	LICENCE APPLICATION	Authorisation Updated	AM/PM ALWAYS PTY LTD	62 Daws Road, EDWARDSTOWN SA 5039	Petrol stations	Current EPA Register	Premise Match	460m	West
LNL38 NYPFN	LICENCE APPLICATION	Authorisation Updated	ANDRASH EDWARDSTOWN PTY LTD	62 Daws Road, EDWARDSTOWN SA 5039	Petrol stations	Current EPA Register	Premise Match	460m	West
13713	LICENCE	Issued	DELWAY BRASS PTY. LTD.	21 Arabrie Avenue, EDWARDSTOWN SA 5039	Activities producing listed wastes	Current EPA Register	Premise Match	578m	North West
50740	LICENCE	Issued	CITY OF MITCHAM	5 Winston Court, MELROSE PARK SA 5039	Reception or storage of listed waste	Current EPA Register	Premise Match	618m	North East
LNL27J 7IAO	LICENCE APPLICATION	Authorisation Updated	CITY OF MITCHAM	5 Winston Court, MELROSE PARK SA 5039	Reception or storage of listed waste	Current EPA Register	Premise Match	618m	North East
1727	LICENCE	Issued	BAKER HYDRAULICS PTY. LTD.	18-24 Deloraine Road, EDWARDSTOWN SA 5039	Activities producing listed wastes	Current EPA Register	Premise Match	668m	North West
46802	LICENCE	Issued	DEVLIN JAMES VENN	10 Dunorlan Road, EDWARDSTOWN SA 5039	Abrasive blasting	Current EPA Register	Premise Match	770m	North
1234	LICENCE	Issued	CENTENNIAL PARK CEMETERY AUTHORITY	Goodwood Road, PASADENA SA 5042	Incineration works (cremation)	Current EPA Register	Premise Match	772m	South East
1176	LICENCE	Surrendered	TOYODA GOSEI AUSTRALIA PTY LTD.	South Road, EDWARDSTOWN SA 5039	grinding or milling works (chemicals or rubber),Activities producing listed wastes,Chemical works (organic),Crushing,Fuel burning comprising the burning of fuel to stove enamel or to bake or dry substances releasing dust or air impurities,Surface coating works (spray painting or powder coating)	Current EPA Register	Premise Match	818m	North

Authorisations Data Source: EPA South Australia

EPA Assessment and Groundwater Prohibition Areas

1125 South Road, St Marys, SA 5042



EPA Assessment and Groundwater Prohibition Areas

1125 South Road, St Marys, SA 5042

EPA Assessment Areas

EPA Assessment Areas within the dataset buffer:

Map Id	Supplied Ref	Area Name	Map Link	Status	Location Confidence	Distance	Direction
37		Melrose Park	https://www.epa.sa.gov.au/environmental_info/site_contamination/assessment_areas/melrose-park	Current	Premise Match	86m	North East
1	4771201	Edwardstown, 1102 South Road	https://www.epa.sa.gov.au/environmental_info/site_contamination/assessment_areas/1102_south_road_edwardstown	Current	Premise Match	101m	North West
32		Edwardstown and surrounding suburbs	https://engage.epa.sa.gov.au/edwardstown-and-surrounding-areas	Removed	Premise Match	101m	North West
26	11692	South-Eastern Edwardstown	https://www.epa.sa.gov.au/environmental_info/site_contamination/assessment_areas/south_eastern_edwardstown	Current	Premise Match	317m	North West
6		Tonsley (formerly Clovelly Park) & Mitchell Park	https://www.epa.sa.gov.au/environmental_info/site_contamination/assessment_areas/clovelly_park_mitchell_park	Current	Premise Match	610m	South

Assessment Areas Data Source: EPA South Australia

EPA Assessment and Groundwater Prohibition Areas

1125 South Road, St Marys, SA 5042

EPA Groundwater Prohibition Areas

EPA Groundwater Prohibition Areas within the dataset buffer:

Map Id	Site Name	Location Confidence	Distance	Direction
2	Edwardstown	As Supplied	100m	North West
7	Tonsley	As Supplied	868m	South

Groundwater ProhibitionAreas Data Source: EPA South Australia

PFAS Investigation & Management Programs

1125 South Road, St Marys, SA 5042

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

1125 South Road, St Marys, SA 5042

Defence 3 Year Regional Contamination Investigation Program

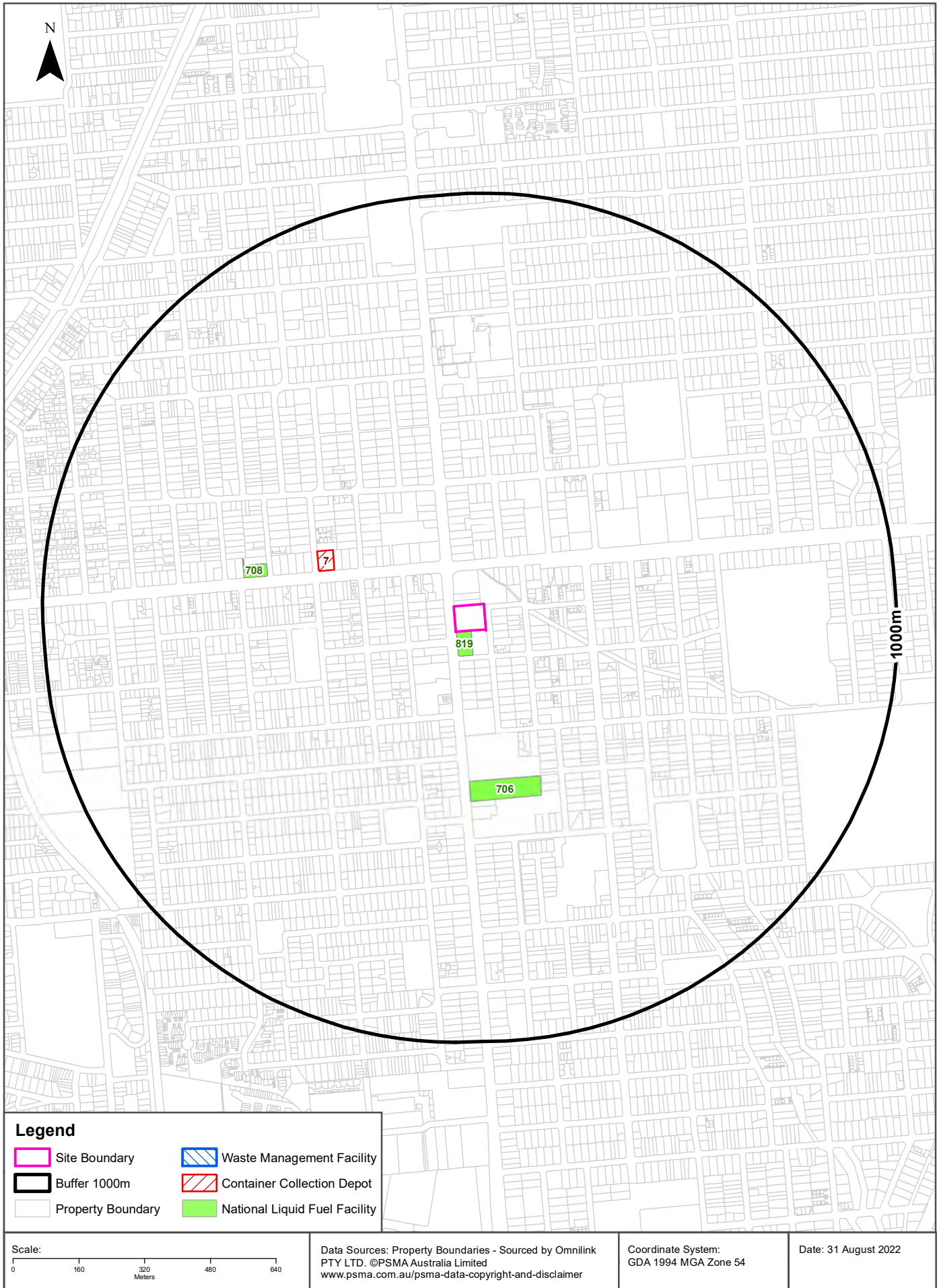
Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

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

1125 South Road, St Marys, SA 5042



Waste Management and Liquid Fuel Facilities

1125 South Road, St Marys, SA 5042

National Waste Management Site Database

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

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

Waste Management Facilities Data Source: Australian Government Geoscience Australia
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EPA Approved Container Collection Depots

EPA approved container collection depots within the dataset buffer:

MapId	Name	Address	Suburb	Loc Conf	Distance	Direction
7	Daws Road Bottle Company	76 Daws Road	EDWARDSTOWN	Premise Match	303m	West

Collection Depot Data Source: EPA South Australia

National Liquid Fuel Facilities

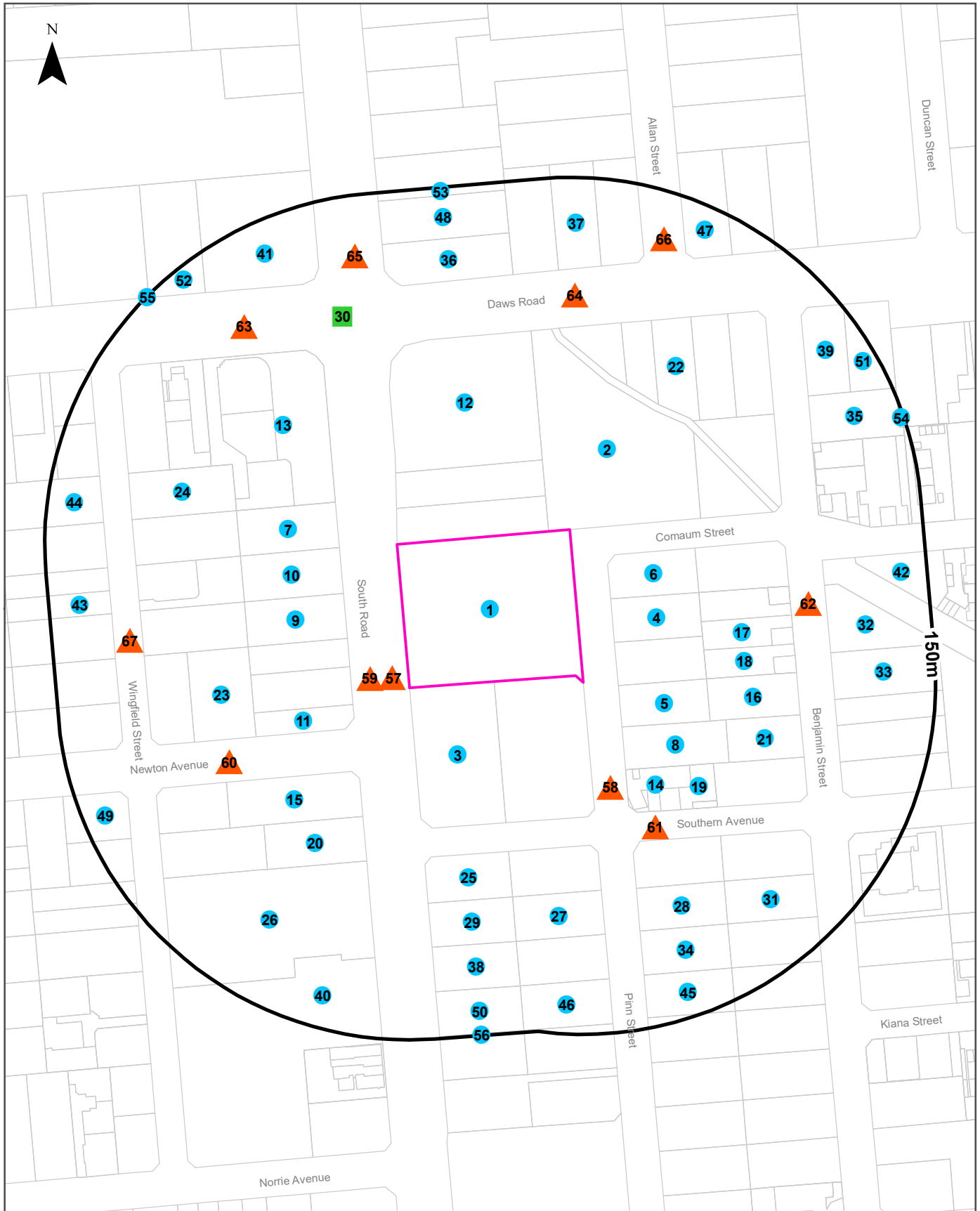
National Liquid Fuel Facilities within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist	Dir
819	Caltex	Caltex St Marys	1129 South Road	St Marys	Petrol Station	Operational		25/07/2011	Premise Match	0m	South
706	Peregrine Corporation	BP On The Run St Marys	1181 South Road	St Marys	Petrol Station	Operational		13/07/2012	Premise Match	363m	South
708	BP	BP Ackland Gardens	62 Daws Road	Edwardstown	Petrol Station	Operational		25/07/2011	Premise Match	460m	West

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

1125 South Road, St Marys, SA 5042



Legend Site Boundary Buffer 150m Property Boundary Business directory records mapped to a specific premise Business directory records mapped to a road intersection Business directory records mapped to a road corridor Business directory records mapped to a general area		Scale: 	Coordinate System: GDA 1994 MGA Zone 54 Date: 31 August 2022
Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018 Sands & McDougall's Directory - Digitised by State Library Victoria Property Boundaries - Sourced by Omnalink PTY LTD. ©PSMA Australia Limited 2022 www.psmas.com.au/psma-data-copyright-and-disclaimer			

Historical Business Directories

1125 South Road, St Marys, SA 5042

Business Directory Records 1910-1991 Premise or Road Intersection Matches

Universal Business Directory and Sands & McDougall Directory records, from years 1991, 1984, 1973, 1965, 1955, 1950, 1940, 1930, 1920 & 1910, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	SAWMILLS	St Mary's Saw Mills 795 South rd St Marys	51947	1965	Premise Match	0m	On-site
	SAWMILLS	St Marys Saw Mills 797 South rd St Marys	51948	1965	Premise Match	0m	On-site
	SAWMILLS	St Marys Saw Mills 797 South rd St Marys	39901	1955	Premise Match	0m	On-site
2	Powder Coating Equipment &/or Service	ARKOTE 133 Daws Road, St. Marys. 5042.	31055	1991	Premise Match	0m	North East
	Powder Coating Equipment &/or Service	Arkote, 133 Dawn Rd., St., Marys. 5042.	31058	1991	Premise Match	0m	North East
	Spray Painting Services	Arkote, 133 Daws Rd, St Marys 5042	34017	1991	Premise Match	0m	North East
	Floor Treatment Specialists	Arkote., 133 Daws Rd., St Marys, 5042.	21654	1991	Premise Match	0m	North East
	Acoustic Materials &/Or Equipment Mfrs &/Or Dists.	Decor Vent, 133 Daws Rd, St Marys 5042	36830	1991	Premise Match	0m	North East
	Ventilating Equipment &/or Systems Mfrs &/or Dists	Decor Vent, 133 Daws Rd, St Marys, 5042	35989	1991	Premise Match	0m	North East
	Ceiling Systems &/or Ceilings - Domestic &/or Industrial - Mfrs &/or Contractors	Decor Vent, 133 Daws Rd., St Marys. 5042.	40318	1991	Premise Match	0m	North East
	Metal Pressers &/Or Stompers	Wheel Products Pty Ltd, 133 Daws Rd, St Marys, 5042	25871	1991	Premise Match	0m	North East
	Motor Wheel &/or Rim Mfrs &/or Dists	Wheel Products Pty Ltd, 133 Daws Rd, St Marys, 5042	29120	1991	Premise Match	0m	North East
	Wheel Mfrs &/or Dists	Wheel Products Pty Ltd, 133 Daws Rd, St Marys, 5042	36415	1991	Premise Match	0m	North East
	Castor &/or Wheel Mfrs &/or Dists	Wheel Products Pty. Ltd., 133 Daws Rd., St. Marys. 5042.	40236	1991	Premise Match	0m	North East
	Engineers - Repetition	Wheel Products Pty.Ltd., 133 Daws Rd., St. Marys., 5042.	20860	1991	Premise Match	0m	North East
	Metal Pressers &/or Stampers	Wheel Products Pty Ltd, 133 Daws Rd, St Marys 5042	17087	1984	Premise Match	0m	North East
	Wheel Manufacturers	Wheel Products Pty Ltd, 133 Daws Rd, St Marys 5042	26071	1984	Premise Match	0m	North East
	Engineers - Repetition	Wheel Products Pty. Ltd., 133 Daws Rd., St. Marys. 5042.	11025	1984	Premise Match	0m	North East
	Motor Wheels &/Or Rims Mfrs. &/Or W/Salers	Wheel Products Pty. Ltd., 133 Daws Rd., St. Marys. 5042.	19096	1984	Premise Match	0m	North East
	Industrial Wheels &/Or Castors	Wheel Products Pty. Ltd., 133 Jaws Rd., St. Marys. 5042.	15462	1984	Premise Match	0m	North East
3	Motor Garages & Service Stations	Caltex St Marys Service Station, 1131 South Rd, St Marys, 5042	27606	1991	Premise Match	0m	South
	Motor Wreckers	Southern Auto Wreckers, 1129 South Rd, St Marys, 5042	29238	1991	Premise Match	0m	South
	Motor Garages &/or Engineers &/or Service Stations	Caltex Service Station, - St, Marys, 1131 South Rd., St. Marys. 5042.	18274	1984	Premise Match	0m	South
	Motor Wreckers	Southern Auto Wreckers Pty. Ltd, 1129 South Rd., St Marys. 5042	19149	1984	Premise Match	0m	South
	WHEELWRIGHTS	Ascot Wheel Aligners 1131 South rd St Marys	16889	1973	Premise Match	0m	South

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
3	MOTOR GARAGES & SERVICE STATIONS	Caltex Service Station 1131 South rd Saint Marys	14471	1973	Premise Match	0m	South
	MOTOR GARAGES & SERVICE STATIONS	Southern Service Station 1131 South rd St Marys	17721	1973	Premise Match	0m	South
4	Motor Brake Specialists	All Clutch & Brake Service Pty. Ltd. 3A Pinn St, St Marys. 5042	26288	1991	Premise Match	15m	East
	Motor Clutch Specialists	All Clutch & Brake Service Pty. Ltd., 3A Pinn St., St. Marys. 5042.	26793	1991	Premise Match	15m	East
	Wheel Chair Mfrs - Retailers &/Or Hirers	DPT Enterprises Pty Ltd, 3 Pinn St, St Marys 5042	26064	1984	Premise Match	15m	East
	GALVANIZED IRON & SHEET METAL ENGINEERS & WORKERS	Brown A C 3 Pinn st St Marys	21490	1965	Premise Match	15m	East
	BOOKBINDERS	Somerfield B R 3 Donne st St Marys	41181	1965	Premise Match	15m	East
5	Dye &/Or Dyestuff Mfrs &/Or Imps /or Dists.	Commission Dyers Pty Ltd 7 Pinn St St Marys 5042	42530	1991	Premise Match	15m	South East
	Wallpaper &/or Wallcoverings Merchants	Commission Dyers Pty Ltd, 7 Pinn St, St Marys, 5042	36099	1991	Premise Match	15m	South East
	Wallpaper Merchants	Commission Dyers Pty Ltd, 7 Pinn St, St Marys 5042	25823	1984	Premise Match	15m	South East
	Artists Supplies	Commission Dyers Pty, Ltd 7 Pinn St St Marys 5042	1014	1984	Premise Match	15m	South East
	Dry Cleaners & Pressers	Commission Dyers Pty. Ltd. 7 Pinn St. St. Marys. 5042.	9629	1984	Premise Match	15m	South East
	Dyes &/or Dyestuffs	Commission Dyers Pty. Ltd., 7 Pinn St., St. Marys. 5042.	9693	1984	Premise Match	15m	South East
	DRY CLEANERS AND DYERS	Commission Dyers P/L 7 Pinn st St Marys	9156	1973	Premise Match	15m	South East
6	Caravan Builders	Dario Caravans & Repairs 1 Pinn St. St Marys. 5042.	39786	1991	Premise Match	15m	East
	Caravan Repairers	Dario Caravans & Repairs 1 Pinn St. St. Marys 5042.	39797	1991	Premise Match	15m	East
	Caravan Builders Supplies	Dario Caravans & Repairs 1 Pinn St. St. Marys. 5042.	39793	1991	Premise Match	15m	East
	Caravan Accessories &/or Spare Parts Mfrs &/or Dists	Dario Caravans & Repairs 1 Pinn St.. St. Marys 5042.	39776	1991	Premise Match	15m	East
	Caravan Sales	Dario Caravans & Repairs 1 Pinn St.. St. Marys. 5042,	4102	1984	Premise Match	15m	East
	Caravan Repairers	Dario Caravans & Repairs. 1 Pinn St. St. Marys. 5042.	4090	1984	Premise Match	15m	East
	Caravan Builders	Dario Caravans 8. Repairs, 1 Pinn St.. St. Marys. 5042.	4063	1984	Premise Match	15m	East
7	Printers - Instant	Snap The On Time Prinler. 1122 South Rd., Clovelly Park. 5042	31355	1991	Premise Match	25m	West
	Typesetters	Snap The On Time Printer, 1122 South Rd, Clovelly Park, 5042	35659	1991	Premise Match	25m	West
	Photo Copying Services	Snap The On Time Printer, 1122 South Rd., Clovelly Park. 5042.	30185	1991	Premise Match	25m	West
	Printers - General	Snap The On Time Printer, 1122 South Rd., Clovelly Park. 5042.	31317	1991	Premise Match	25m	West
	Printers - Lithographic (Offset)	Snap The On Time Printer, 1122 South Rd., Clovelly Park. 5042.	31462	1991	Premise Match	25m	West
	Printers - General	Snap The on Time Printer, 1122 South Road, CLOVELLY PARK, 5042	31194	1991	Premise Match	25m	West
	CARAVANS	Carapark 756a South rd Clovelly Park	8148	1965	Premise Match	25m	West
	CARAVANS	Carapark SA 758 South rd Clovelly Park	8149	1965	Premise Match	25m	West
	USED CAR DEALERS	Clark Motor Co Ltd 758 South rd Clovelly Park	9323	1965	Premise Match	25m	West
8	Heat Treatment Specialists	Tooling & General Heat Treatment Pty. Ltd., 9 Pinn St., St Marys. 5042.	23463	1991	Premise Match	25m	South East
	ENGINEERS (GENERAL MNFCTRNG. MECHANICAL)	Tansell G Pty Ltd 9 Pinn st St Marys	13500	1973	Premise Match	25m	South East
9	Delicatessens &/Or Mixed Businesses	Chammas, R 1134 South Rd, Clovelly Park 5042	6624	1984	Premise Match	25m	West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
9	Delicatessens & Ham & Beef Shops	Hauer G & A G 1134 South rd Clovelly Park	4464	1973	Premise Match	25m	West
	SPORTING GOODS MAKERS & DEALERS	South Rd Sports & Elect Stor Ltd 762a South rd Clovelly Park	54214	1965	Premise Match	25m	West
10	Hairdressers - Ladies &/or Beauty Salons	Nicola Ladies Hair Stylists, 1126 South Rd., Clovelly Park. 5042.	14125	1984	Premise Match	25m	West
	HAIRDRESSERS - LADIES (PRPTRS.)	Brasile Nicola 1126 South rd Clovelly Park	29852	1973	Premise Match	25m	West
	CARPENTERS & JOINERS	DBR Contractors 1130 South rd Clovelly Pk	31943	1973	Premise Match	25m	West
	FROCK SHOPS	Kays Frock Shop 1128 South rd Clovelly Park	19162	1973	Premise Match	25m	West
	TOILET SALONS	Mignon Hair Salon 1126 South rd Clovelly Pk	5308	1973	Premise Match	25m	West
	ACCOUNTANTS	Price David J 1130 South rd Clovelly Park	15048	1973	Premise Match	25m	West
	TOILET SALONS	Clarysse Salon 760 South rd Clovelly Park	4050	1965	Premise Match	25m	West
	FROCK SHOPS	Kays Frock Shop 760a South rd Clovelly Pk	17588	1965	Premise Match	25m	West
11	INSTRUMENT MAKERS & REPAIRERS	Spurden C W 766 South rd Clovelly Park	34510	1973	Premise Match	25m	South West
	PHYSICIANS, SURGEONS & OTHER MEMBERS OF THE MEDICAL PROFESSION	Southgate D 766 South rd Clovelly Park	36204	1965	Premise Match	25m	South West
	INSTRUMENT MAKERS & REPAIRERS	Spurden C W 766 South rd Clovelly Park	42112	1965	Premise Match	25m	South West
	INSTRUMENT MAKERS & REPAIRERS	Spurden C W 766 South rd Clovelly Park	14595	1955	Premise Match	25m	South West
12	Motor Garages &/or Engineers &/or Service Stations	Amoco Service Station, St Marys, 1115 South Rd, St Marys 5042	18162	1984	Premise Match	30m	North
	MOTOR GARAGES & SERVICE STATIONS	South Ken Service Station 1115 South rd St Marys	17715	1973	Premise Match	30m	North
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Amoco Service Station 777 South rd St Mary's	55751	1965	Premise Match	30m	North
	PHYSICIANS & SURGEONS	Lloyd H A 777 South rd St Marys	30822	1955	Premise Match	30m	North
13	MOTOR ENGINEERS & REPAIRERS	Dent Motors 1114 South rd Clovelly Park	12614	1973	Premise Match	32m	North West
	MOTOR GARAGES & SERVICE STATIONS	Mobil Oil Aust Ltd 1116 South rd Clovelly Pk	16685	1973	Premise Match	32m	North West
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Robby's Service Station 752 South rd Clovelly Park	6738	1965	Premise Match	32m	North West
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Clovelly Pk Service Stn 2 Sweetmans rd Clovelly Park	19529	1955	Premise Match	32m	North West
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Robby's Service Station 752 South rd Clovelly Park	22011	1955	Premise Match	32m	North West
14	Electrical Appliances &/Or Supplies Mfrs. &/Or Dists.	Telcon Aust. Pty Ltd Unit 1 11 Pinn St. St. Marys. 5042,	9955	1984	Premise Match	41m	South East
	Electric Wires &/Or Cables	Telcon Aust. Pty. Ltd.. Unit 1, 11 Pinn St, St. Marys. 5042,	9918	1984	Premise Match	41m	South East
15	Doctors	Colquhoun H G 1140 South Rd Clovelly Park 5042	8112	1984	Premise Match	43m	South West
	Doctors	Coulthard, Robert J 1140 South Rd, Clovelly Park 5042	8128	1984	Premise Match	43m	South West
	Doctors	Denton, N F 1140 South Rd Clovelly Park, 5042	8178	1984	Premise Match	43m	South West
	Doctors	Lloyd H A 1140 South Rd Clovelly Park 5042	8699	1984	Premise Match	43m	South West
	Doctors	Low S K, 1140 South Rd , Clovelly Park 5042	8708	1984	Premise Match	43m	South West
	Doctors	Southern Clinic 1140 South Rd, Clovelly Park 5042	9178	1984	Premise Match	43m	South West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
15	Doctors	Southgate D O, 1140 South Rd, Clovelly Park 5042	9179	1984	Premise Match	43m	South West
	LAND AGENTS	Korda J J & Co Pty Ltd 1142 South rd Clovelly Park	36888	1973	Premise Match	43m	South West
	BUTCHERS	Newell F J 1144 South rd Clovelly Park	29482	1973	Premise Match	43m	South West
	PHYSICIANS, SURGEONS & OTHER MEMBERS OF THE MEDICAL PROFESSION	Ancell B E J 768 South rd Clovelly Park	29654	1965	Premise Match	43m	South West
	PHYSICIANS, SURGEONS & OTHER MEMBERS OF THE MEDICAL PROFESSION	Coulthard R J 768 South rd Clovelly Park	30750	1965	Premise Match	43m	South West
	PHYSICIANS, SURGEONS & OTHER MEMBERS OF THE MEDICAL PROFESSION	Denton N F 768 South rd Clovelly Park	30818	1965	Premise Match	43m	South West
	Land Brokers & Estate Agents	Korda J J & Co Ltd 768 South rd Clovelly Pk	43927	1965	Premise Match	43m	South West
	PHYSICIANS, SURGEONS & OTHER MEMBERS OF THE MEDICAL PROFESSION	Lloyd H A 768 South rd Clovelly Park	33790	1965	Premise Match	43m	South West
	PHYSICIANS, SURGEONS & OTHER MEMBERS OF THE MEDICAL PROFESSION	Southgate D O 768 South rd Clovelly Park	36206	1965	Premise Match	43m	South West
16	Roofing Contractors &/or Repairers	Advanced Coating Systems 12 Benjamin St, St Marys 5042	32547	1991	Premise Match	52m	East
	Carport &/or Awning Mfrs &/or Erectors	Crest Carports & Verandahs 12 Benjamin St. St. Marys. 5042.	39941	1991	Premise Match	52m	East
	Roofing Material Mfrs &/Or Dists.	Ioderm Roofing, 12 Benjamin St, St Marys 5042	32608	1991	Premise Match	52m	East
	Roofing Contractors &/or Repairers	Modern Roofing, 12 Benjamin St, St Marys 5042	32566	1991	Premise Match	52m	East
	Tile - Roofing - Mfrs &/Or Imps &/Or Merchants	Modern Roofing., 12 Benjamin St, St. Marys. 5042	34991	1991	Premise Match	52m	East
	Security Doors &/or Windows &/or Grilles	Modern Windows, 12 Benjamin St, St Marys 5042	33128	1991	Premise Match	52m	East
	Window Frame Mfrs &/Or Dists - Aluminium	Modern Windows, 12 Benjamin St, St Marys, 5042	36493	1991	Premise Match	52m	East
	Roofing Contractors &/or Repairers	Roof Resilorailion, 12 Benjamin St, St Marys 5042	32572	1991	Premise Match	52m	East
	Tile Mfrs &/Or Roofing	Modern Roofing 12 Benjamin St, St Marys 5042	24936	1984	Premise Match	52m	East
17	Plastic Moulders	Techno-Plas Pty. Ltd., 8 Benjamin St., St. Marys. 5042.	30754	1991	Premise Match	52m	East
	Display Fittings & Stands Mfrs &/Or Dists &/Or Suppliers	Displaywise 8 Benjamin St St Marys 5042	7821	1984	Premise Match	52m	East
18	Window Frame Mfrs. &/Or Dists.	Modern Windows 10 Benjamin St St, Marys 5042	26097	1984	Premise Match	52m	East
	Window Frames - Aluminium - Mfrs &/Or Dists.	Modern Windows, 10 Benjamin St, St Marys 5042	26113	1984	Premise Match	52m	East
19	Printers - Letterpress	Paramount Press Pty. Ltd., 1A Southern Ave., St. Marys. 5042.	21053	1984	Premise Match	57m	South East
	Printers - Offset	Paramount Press Pty. Ltd., 1A Southern Ave., St. Marys. 5042.	21141	1984	Premise Match	57m	South East
20	DRAPERS	Johnson F J 1146-1148 South rd Clovelly Park	8233	1973	Premise Match	58m	South West
	DRAPERS	Johnson F J 770 South rd Clovelly Park	46785	1965	Premise Match	58m	South West
	BUTCHERS	Russell P E & Attenborough R J 770 South rd Clovelly Park	2740	1965	Premise Match	58m	South West
	Delicatessens & Ham & Beef Shops	Wiese J A & Y N 768a South rd Clovelly Pk	43673	1965	Premise Match	58m	South West
	BUTCHERS	Wiese J A & Y N 768b South rd Clovelly Park	4761	1965	Premise Match	58m	South West
	Drapers	Johnson F J 768-770 South rd Clovelly Park	27118	1955	Premise Match	58m	South West
21	Dish Washing Machines Mfrs &/or Dists	Fisher K D & Co Pty Ltd 14 Benjamin St St Marys 5042	42310	1991	Premise Match	63m	South East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
21	Electric Switch & Control Gear Mfrs &/Or Imps &/Or Dists	Fisher K D & Co Pty Ltd 14 Benjamin St St Marys 5042	19418	1991	Premise Match	63m	South East
	Electro-Magnetic Equipment	Fisher K D & Co Pty Ltd, 14 Benjamin St St Marys 5042	19749	1991	Premise Match	63m	South East
	Electrical &/Or Industrial Plant Mfrs &/Or Dists.	Fisher K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	19645	1991	Premise Match	63m	South East
	Electrical Supplies &/Or Appliances - Mfrs &/Or W/salers	Fisher K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	19664	1991	Premise Match	63m	South East
	Electrical Wiring Accessories &/or Equipment Mfrs &/or Dists	Fisher K D & CO Pty Ltd, 14 Benjamin St, St Marys 5042	19740	1991	Premise Match	63m	South East
	Electronic Components Mfrs &/or Imps &/or Dists	Fisher K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	19760	1991	Premise Match	63m	South East
	Electronic Equipment Mfrs &/or Dists	Fisher K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	19819	1991	Premise Match	63m	South East
	Electrical Testing Equipment Mfrs &/or Dists	Fisher K O & Co Pty Ltd, 14 Benjamin St St Marys 5042	19731	1991	Premise Match	63m	South East
	Automatic Control Equipment Mfrs &/or Imps &/or Dists	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	37747	1991	Premise Match	63m	South East
	Siren Mfrs &/or Dists	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	33792	1991	Premise Match	63m	South East
	Spa Baths &/or Hot Tubs &/or Equipment Mfrs &/or Dists &/or Installers	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	33934	1991	Premise Match	63m	South East
	Water Treatment Equipment Mfrs &/or Dists	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys, 5042	36180	1991	Premise Match	63m	South East
	Bathroom Equipment &/or Fittings Mfrs &/or Dists	Fisher, K D. & Co Pty Ltd, 14 Benjamin St, St Marys 5042	38299	1991	Premise Match	63m	South East
	Battery - Dry Cell - Mfrs &/or Dists	Fisher, K. D. & Co. Ply. Ltd., 14 Benjamin St., St Marys. 5042.	38343	1991	Premise Match	63m	South East
	Range Hoods Mfrs &/or Dists	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St. Marys. 5042.	31942	1991	Premise Match	63m	South East
	Battery Mfrs &/or Dists	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St Marys. 5042.	38383	1991	Premise Match	63m	South East
	Hot Water Systems &/or Fittings Mfrs &/or Dists	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St Marys. 5042.	23745	1991	Premise Match	63m	South East
	Battery Charging &/or Testing Equipment Mfrs &/or Dists	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St.Marys 5042.	38331	1991	Premise Match	63m	South East
	Gas Appliances & Fittings Mfrs &/or Dists	Fisher, K. D. & Co. Pty. Ltd.. 14 Benjamin St., St. Marys 5042.	22876	1991	Premise Match	63m	South East
	Valve &/or Cock Mfrs &/or Dists	Fisher, KD & Co Pty Ltd, 14 Benjamin St, St Marys, 5042	35927	1991	Premise Match	63m	South East
	Fire &/Or Smoke Detection Equipment	Fisher. K D., 6 Co. Pty. ltd., 14 Benjamin St.. St. Marys. 5042.	21540	1991	Premise Match	63m	South East
	Instrument - Industrial - Mfrs &/Or Imps &/Or Dists.	Fisher. K. D. & Co, Pty. Ltd, 14 Benjamin St., St, Marys, 5042	24112	1991	Premise Match	63m	South East
	Instrument - Electric - Mfrs &/Or Imps &/Or Dists.	Fisher. K. D. & Co. Pty. Ltd, 14 Benjamin St., St, Marys, 5042	24087	1991	Premise Match	63m	South East
	Heating Equipment &/or Systems Mfrs &/or Dists &/or Installers	her. K. D. & Co. Ply. Ltd., 14 Benjamin St., St. Marys. 5042.	23484	1991	Premise Match	63m	South East
	Electrical Switchboard Mfrs &/or Dists	sher K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	19713	1991	Premise Match	63m	South East
	Bathroom & Kitchen Equipment Mfrs. &/Or Dists.	Fisher K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	2067	1984	Premise Match	63m	South East
	Battery Charging &/Or Testing Equipment Mfrs &/Of Dists.	Fisher K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	2079	1984	Premise Match	63m	South East
	Electric Goods & Appliances - Wholesalers	Fisher K.D & Co. Pty. Ltd., 14 Benjamin St., St. Marys. 5042.	9817	1984	Premise Match	63m	South East
	Dish Washing Machines Mfrs &/or Dists	Fisher, K D & Ca Pty Ltd, 14 Benjamin St, St Marys 5042,	7805	1984	Premise Match	63m	South East
	Valves Mfrs &/Or Dists - Ball Brass	Fisher, K D & Co Fly Ltd, '14 Benjamin St, St Marys 5042	25696	1984	Premise Match	63m	South East
	Automatic Control Equipment Imps &/Or Dists.	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	1340	1984	Premise Match	63m	South East
	Barristers &/or Solicitors	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	2089	1984	Premise Match	63m	South East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
21	Battery Mfrs - Dry	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	2098	1984	Premise Match	63m	South East
	Valves &/Or Cocks - Steam, Fluid, Etc - Mfrs &/Or Dists.	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	25672	1984	Premise Match	63m	South East
	Valves Mfrs &/Or Dists - Chemical	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	25701	1984	Premise Match	63m	South East
	Valves Mfrs &/Or Distsreducing	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	25706	1984	Premise Match	63m	South East
	Water Treatment Equipment - Mfrs &/Or Dists.	Fisher, K D & Co Pty Ltd, 14 Benjamin St, St Marys 5042	25903	1984	Premise Match	63m	South East
	Spa Pools & Equipment Mfrs &/Or Dists.	Fisher, K D & Co- Pty Ltd, 14 Benjamin St, St Marys 5042	23383	1984	Premise Match	63m	South East
	Siren Mfrs	Fisher, K D & Co Pty, Ltd, 14 Benjamin St, St Marys 5042	23293	1984	Premise Match	63m	South East
	Electrical Supplies &/or Appliances - Mfrs. &/or W/Salers	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St. Marys. 5042.	10161	1984	Premise Match	63m	South East
	Electrical Appliances &/Or Supplies Mfrs. &/Or Dists.	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St. Marys. 5042.	9930	1984	Premise Match	63m	South East
	Hot Water Systems &/or Fittings Mfrs. &/or Dists.	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St. Marys, 5042.	14972	1984	Premise Match	63m	South East
	Gas Appliances Mfrs. &/or Dists.	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St. Marys. 5042	12776	1984	Premise Match	63m	South East
	Fire Detection &/Or Alarm Systems	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St. Marys. 5042.	11497	1984	Premise Match	63m	South East
	Heating Systems	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St. Marys. 5042.	14650	1984	Premise Match	63m	South East
	Instruments - Industrial - Mfrs. &/or Dists	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St. Marys. 5042.	15510	1984	Premise Match	63m	South East
	Range Hoods Mfrs. &/Or Dists.	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St. Marys. 5042.	21540	1984	Premise Match	63m	South East
	Fan &/or Blower Mfrs. &/or Dists.	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St. St. Marys. 5042,	11198	1984	Premise Match	63m	South East
	Hot Water Systems - Gas Mfrs. &/or Dists	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin Street., St Marys, 5042.	14982	1984	Premise Match	63m	South East
	Instruments - Electrical - Mfrs. &/Or Dists.	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St., St. Marys. 5042.	15496	1984	Premise Match	63m	South East
	Electric Fan Mfrs. &/or Dists.	Fisher, K. D. & Co.. Pty. Ltd., 14 Benjamin St. St. Marys. 5042.	9809	1984	Premise Match	63m	South East
	Electronic Components Mfrs. &/Or Imps. &/Or Dists.	Fisher, K. D. & Co. Pty. Ltd., 14 Benjamin St, St. Marys. 5042.	10249	1984	Premise Match	63m	South East
	Electronic Equipment Mfrs. &/or Dists.	Fisher, K. O. & Co. Pty. Ltd., 14 Benjamin St, St. Marys. 5042.	10270	1984	Premise Match	63m	South East
Valves - Industrial	Fisher, KD & Co Pty Ltd, 14 Benjamin St, St Marys 5042	25687	1984	Premise Match	63m	South East	
Upholsterers Supplies	Halifax Group Pty Ltd, 14 Benjamin St, St Marys 5042	25587	1984	Premise Match	63m	South East	
22	TOOLMAKERS	Chapman B J 139 Daws rd St Mary's	6089	1973	Premise Match	65m	North East
	TOOLMAKERS	Chapman B J 139 Daws rd St Mary's	6195	1965	Premise Match	65m	North East
23	BRICKLAYERS AND MASONS	Sokol V 1/1 Newton av Clovelly Park	22753	1973	Premise Match	67m	West
24	CARPENTERS & JOINERS	Poscaro A 1 Wingfield st Clovelly Park	12210	1965	Premise Match	70m	West
25	Electrical Household Appliances - Retail	Bowden Keith Electrical, 1133 South Rd.. St. Marys. 5042	10062	1984	Premise Match	73m	South
	GROCERS & GENERAL STOREKEEPERS	Tom The Cheap Grocer 1133-1135 South rd St Marys	29627	1973	Premise Match	73m	South
	BUTCHERS	Wallis Meat P/L 1133 South rd St Marys	30262	1973	Premise Match	73m	South
	GROCERS & GENERAL STOREKEEPERS	Tom The Cheap Grocer 799 South rd St Marys	34798	1965	Premise Match	73m	South
	Butchers	St Mar's Meat Store 799 South rd St Marys	12741	1955	Premise Match	73m	South
26	Chemists - Pharmaceutical	Clovelly Park Day & Night Chemist, 1152 South Rd., Clovelly Park. 5042	4737	1984	Premise Match	76m	South West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
26	Butchers - Retail	St. Marys Meat Store. 1154 South Rd . Clovelly Park. 5042.	3696	1984	Premise Match	76m	South West
	CHEMISTS (RETAIL)	Booker Pharmacy 1152 South rd Clovelly Park	38685	1973	Premise Match	76m	South West
	BUTCHERS	St Marys Meat Store 1154 Sth rd Clovelly Pk	30173	1973	Premise Match	76m	South West
	ELECTRICAL APPLIANCES	The Magic Box 772 South rd Clovelly Park	51123	1965	Premise Match	76m	South West
	Brushmakers	Douglass J 774 South rd Clovelly Park	4793	1955	Premise Match	76m	South West
27	MOTOR ENGINEERS & REPAIRERS	St Marys Motor Repair 18 Pinn st St Marys	13320	1973	Premise Match	89m	South
28	Farm Equipment & Supplies	Browns Sheet Metal, 15 Pinn St, St Marys 5042	21102	1991	Premise Match	91m	South East
	Sheet Metal Workers	Browns Sheet Metal, 15 Pinn St, St Marys 5042	33335	1991	Premise Match	91m	South East
	Fire Fighting Systems &/or Appliance Mfrs &/or Installers	Browns Sheet Metal., 15 Pinn St., St. Marys. 5042	21500	1991	Premise Match	91m	South East
	Tank &/or Tankstand Mfrs &/or Dists	Browns Sheet Metal., 15 Pinn St., St. Marys. 5042	34659	1991	Premise Match	91m	South East
	Tank Makers - Iron &/or Steel	Browns Sheet Metal, 15 Pinn St, St Marys5042	24671	1984	Premise Match	91m	South East
	Sheet Metal Workers	Browns Sheet Metal, 15 Pinn St., St. Marys. 5042.	23065	1984	Premise Match	91m	South East
	Fire Fighting Equipment Mfrs. &/or Dists	Browns Sheet Metal. 15 Pinn St., St. Marys. 5042.	11506	1984	Premise Match	91m	South East
	SHEET METAL FABRICATORS	Browns Sheet Metal 15 Pinn st St Marys	36466	1973	Premise Match	91m	South East
29	Banks	Westpac Banking Corporation - St Marys, 1137 South Rd, St Marys 5042	38276	1991	Premise Match	92m	South
	GROCERS & GENERAL STOREKEEPERS	Central Provision Store 1137 South rd St Marys	24796	1973	Premise Match	92m	South
	GROCERS & GENERAL STOREKEEPERS	Central Provision Store 803 South rd St Marys	27803	1965	Premise Match	92m	South
	GROCERS & GENERAL STOREKEEPERS	Central Provision Stores 801 South rd St Marys	5162	1955	Premise Match	92m	South
30	BOATS, RETAIL & EQUIPMENT	Adelaide Outboard Service P/L cnr Daws & South rds Edwardstown	20542	1973	Road Intersection	100m	North West
31	Roller Shutter &/or Grille Mfrs &/or Installers	Modern Built 18 Benjamin St, St Marys 5042	32519	1991	Premise Match	104m	South East
	Roofing Contractors &/or Repairers	Modern Built 18 Benjamin St, St Marys 5042	32565	1991	Premise Match	104m	South East
	Security Doors &/or Windows &/or Grilles	Modern Built, 18 Benjamin St, St Marys 5042	33127	1991	Premise Match	104m	South East
	Tile - Roofing - Mfrs &/Or Imps &/Or Merchants	Modern Built., 18 Benjamin St, St. Marys. 5042.	34990	1991	Premise Match	104m	South East
32	Quilt &/or Bedspread Mfrs &/or W/salers	Adelaide Quitters, 5 Benjamin St., St. Marys. 5042.	31866	1991	Premise Match	106m	East
33	BRASSFOUNDERS	Surman V R & Co P/L 7 Benjamin st St Marys	21203	1973	Premise Match	106m	East
34	ENGINEERS (Mechanical & General)	Tansell G 17 Pinn st St Marys	8687	1965	Premise Match	109m	South East
35	Furniture Mfrs &/or W/salers - Period	Eureka Furniture 3 Benjamin St, St Marys 5042	22641	1991	Premise Match	110m	North East
	Chair Mfrs &/or Dists	Eureka Furniture, 3 Benjamin St., St. Marys. 5042.	40460	1991	Premise Match	110m	North East
	Furniture Mfrs &/or W/salers - General	Le Pine Furniture., 3 Benjamin St.. St., Marys. 5042.	22407	1991	Premise Match	110m	North East
	Fireplaces & Accessories Mfrs.	Coppercraft 3 Benjamin St, St. Marys 5042.	11533	1984	Premise Match	110m	North East
	Hotel Equipment &/or Supplies	Coppercraft 3 Benjamin St..St. Marys. 5042.	14991	1984	Premise Match	110m	North East
	Range Hoods - Copper	Coppercraft, 3 Benjamin St., St. Marys. 5042.	21535	1984	Premise Match	110m	North East
	Air Conditioning - Industrial &/or Domestic	Modco Pty Ltd, 3 Benjamin St, St Marys, 5042	522	1984	Premise Match	110m	North East

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
35	Air Conditioning - Industrial &/or Domestic	MODCO PTY LTD, 3 Benjamin Street, St Marys 5042	502	1984	Premise Match	110m	North East
36	BUILDERS & GENERAL CONTRACTORS	Snowden Bros 769 South rd Edwardstown	53435	1965	Premise Match	110m	North
	BUILDERS & GENERAL CONTRACTORS	Snowden Bros 769 South rd Edwardstown	8922	1955	Premise Match	110m	North
37	Engine - Diesel &/Or Petrol - Mfrs &/Or Imps &/Or Dists.	Adelaide Outboard Service Pty Ltd, 108 Dews Rd Melrose Park 5039	19957	1991	Premise Match	111m	North
	Boat, Launch &/or Yacht Accessories Mfrs &/or Dists	Adelaide Outboard Service Pty. Ltd., 108 Daws Rd., Melrose Park. 5039	38563	1991	Premise Match	111m	North
	Boat, Launch &/or Yacht Accessories Mfrs &/or Dists	Adelaide Outboard Service Pty, Ltd, 108 Daws Rd, Edwardstown 5039	2226	1984	Premise Match	111m	North
	Marine Engine Imps &/Or Dists &/Or Mfrs	Adelaide Outboard Service Pty, Ltd, 108 Daws Rd, Edwardstown 5039	16872	1984	Premise Match	111m	North
38	Motor Wreckers	Jap Parts, 1139 South Rd, St Marys, 5042	29203	1991	Premise Match	111m	South
	Hardware - Wholesale	Plumbing Supplies Co-operative Ltd., 1139 South Rd., St Marys .5042	14541	1984	Premise Match	111m	South
	Hardware - Retail	Plumbing Supplies Co-operative Ltd., 1139 South Rd., St Marys. 5042	14489	1984	Premise Match	111m	South
	Plumbers Supplies	Plumbing Supplies Co-operative Ltd., 1139 South Rd., St. Marys. 5042	20800	1984	Premise Match	111m	South
	Builders Hardware Mfrs. &/Or Dists.	Plumbing Supplies Co-operative Ltd.. 1139 South Rd. St. Marys 5042	2928	1984	Premise Match	111m	South
	BUILDERS & CONTRACTORS	Gipp (Fred) Holdings P/L 1139 South rd St Marys	24982	1973	Premise Match	111m	South
	HARDWARE MERCHANTS & IRONMONGERS	Gipps F Ltd 1139-1141 South rd St Marys	32823	1973	Premise Match	111m	South
	HARDWARE MERCHANTS & IRON MONGERS	Gipps F Ltd 805 South rd St Marys	38807	1965	Premise Match	111m	South
39	CHEMISTS (Retail, Industrial & Manufacturing)	Sorrell L M 805 South rd St Marys	23433	1955	Premise Match	111m	South
	Medical Equipment &/or Repairs	Zimmer-Pilcher, 143 Daws Rd, St Marys, 5042	25789	1991	Premise Match	116m	North East
	Surgical Instruments &/Or Equipment Mfrs &/Or Specialists	Zimmer-Pilcher., 143 Daws Rd, St. Marys. 5042	34538	1991	Premise Match	116m	North East
ACCOUNTANTS & COMPANY SECRETARIES	Anaf J 143 Daws rd St Mary's	14731	1965	Premise Match	116m	North East	
40	GROCERS & GENERAL STOREKEEPERS	Woolworths Food Fair 1156 South rd Clovelly Park	29815	1973	Premise Match	116m	South West
	FOOD SPECIALISTS	Woolworths Food Fair 776 South rd Clovelly Park	13583	1965	Premise Match	116m	South West
41	MOTOR ENGINEERS & REPAIRERS	Jansen Motors 1108 South rd Clovelly Park	13201	1973	Premise Match	118m	North West
	USED CAR DEALERS	Jansen Motors 750 South rd Edwardstown	9395	1965	Premise Match	118m	North West
	MOTORS & ACCESSORIES	JANSEN MOTORS 750 South Road, Edwardstown	13213	1965	Premise Match	118m	North West
	USED CAR DEALERS	Jansen Motors 750 South rd Edwardstown	6865	1955	Premise Match	118m	North West
42	TIMBER MERCHANTS	Footer L F & Co Ltd 2 Comaum st St Mary's	3018	1965	Premise Match	120m	East
43	BUILDERS AND GENERAL CONTRACTORS	Rosser R G & Co. 6 Wingfield st Clovelly Park	26699	1973	Premise Match	124m	West
	PLASTERERS	Rosser R G 6 Wingfield st Clovelly Park	31546	1973	Premise Match	124m	West
44	CARPENTERS & JOINERS	Kaehne W G 2 Wingfield st Clovelly Park	14061	1965	Premise Match	125m	West
45	Wine &/Or Sprit Merchants - Wholesale	Krondorf Wines Pty Ltd, 19 Pinn St, St Marys, 5042	36620	1991	Premise Match	127m	South East
	VITREOUS ENAMELLERS	Caire T D & R M Pty Ltd 21 Pinn st St Marys	12305	1973	Premise Match	127m	South East
	COPPERSMITHS	Muggleton T G & Vawser P/L 21 Pinn st St Marys	2649	1973	Premise Match	127m	South East
	MERCHANTS, IMPORTERS & WAREHOUSEMEN	Harley Gill & Co Pty Ltd 21 Pinn st St Marys	48122	1965	Premise Match	127m	South East

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45	TIMBER MERCHANTS	Sanders Roberts Pty Ltd 21 Pinn st St Marys	3089	1965	Premise Match	127m	South East
46	Roofing Contractors &/or Repairers	Tile Brite Roof Cleaners Pty Ltd, 24 Pinn St, St Marys 5042	32579	1991	Premise Match	127m	South
	Cleaners - Industrial &/or Marine - Steam &/or Water Pressure	Tile Brite Roof Cleaners Pty. Ltd., 24 Pinn St., St. Marys. 5042.	40595	1991	Premise Match	127m	South
	METAL MERCHANTS & SMELTERS	Muggleton T G & Vawser Pty Ltd 22-24 Pinn st St Marys	7840	1973	Premise Match	127m	South
47	Welding Equipment &/or Supplies Mfrs &/or Dist.	Welding Industries of Aust Pty Ltd, 112 Daws Rd, Melrose Park, 5039	36396	1991	Premise Match	127m	North East
	Welding Equipment &/or Supplies Mfrs. &/or Dist.	Welding Industries of Aust Pty Ltd, 112 Daws Rd, Edwardstown 5039	26062	1984	Premise Match	127m	North East
	PLUMBERS	Reynolds J A Ltd 112 Daws rd Edwardstown	44314	1965	Premise Match	127m	North East
48	BATTERY SPECIALISTS	Harvard Batteries 763-767 South rd Edwardstown	36434	1965	Premise Match	128m	North
49	BOILER MAKERS	Flaherty J D 14 Wingfield st Clovelly Park	40127	1965	Premise Match	129m	South West
50	Gift Shops &/Or Fancy Goods-Retail	Smith, A. C., 1145 South Rd., St. Marys. 5042.	12970	1984	Premise Match	130m	South
	Chemists - Pharmaceutical	Southern Chemists. 1143 South Rd., St. Marys. 5042.	4933	1984	Premise Match	130m	South
	HAIRDRESSERS & TOBACCONISTS	Easlea R J 1145 South rd St Marys	31229	1973	Premise Match	130m	South
	CHEMISTS (RETAIL)	Rogers Barry 1143 South rd St Marys	39501	1973	Premise Match	130m	South
	CHEMISTS	ST. MARYS ROGERS B H 807 South Road	29993	1965	Premise Match	130m	South
	HAIRDRESSERS & TOBACCONISTS	Easlea R J 807a South rd St Marys	36808	1965	Premise Match	130m	South
	CHEMISTS (Retail, Industrial & Manufacturing)	Rogers B H 807 South rd St Marys	34125	1965	Premise Match	130m	South
	CHEMISTS	ROGERS B H 807 South Road St Marys	28773	1965	Premise Match	130m	South
	Drapers	Johnson F 807 South rd St Marys	27117	1955	Premise Match	130m	South
51	Air Conditioning - Automotive	M & M Auto Repairs, 145 Daws Rd, St Marys 5042	37103	1991	Premise Match	133m	North East
	Motor Garages & Service Stations	M & M Auto Repairs, 145 Daws Rd, St Marys, 5042	27735	1991	Premise Match	133m	North East
	Motor Engineers	M & M Auto Repairs, 145 Daws Rd., St. Marys., 5042.	27159	1991	Premise Match	133m	North East
	Motor Garages &/or Engineers &/or Service Stations	M & M Auto Repairs, 145 Daws Rd., St Marys. 5042.	18409	1984	Premise Match	133m	North East
	CARAVAN HIRE AND/OR EQUIPMENT	Caratravel 145 Daws rd St Marys	31771	1973	Premise Match	133m	North East
52	Shop &/or Office Fitters	Prestige Cabinets & Shop Fitters, 100 Daws Rd, Edwardstown 5039	33511	1991	Premise Match	135m	North West
	Building Alterations &/or Repairs	PRESTIGE CABINETS & SHOP FITTERS 100 Daws Road Edwardstown. 5039	3003	1984	Premise Match	135m	North West
	Shop &/or Office Fitters	PRESTIGE CABINETS & SHOP FITTERS 100 Daws Road, Edwardstown 5039	23181	1984	Premise Match	135m	North West
	Building &/or House Renovators	Prestige Cabinets & Shop Fitters, 100 Daws Rd., Edwardstown- 5039,	3017	1984	Premise Match	135m	North West
	Shop &/or Office Fitters	Prestige Cabinets & Shop Fitters, 100 Daws Rd Edwardstown 5039	23202	1984	Premise Match	135m	North West
	Cabinet Makers	Prestige Cabinets & Shop Fitters, 100 Daws Rd., Edwardstown. 5039	3852	1984	Premise Match	135m	North West
	Furniture Mfrs. - Built-In	Prestige Cabinets & Shop Fitters, 100 Daws Rd., Edwardstown. 5039	12371	1984	Premise Match	135m	North West
	Storage Space To Let	Store N' Lock, 100 Daws Rd, Edwardstown 5039	23855	1984	Premise Match	135m	North West
	CRASH REPAIRS	Jansen Motors 100-102 Daws rd Edwardstown	38150	1965	Premise Match	135m	North West

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53	Boat, Launch &/or Yacht Accessories Mfrs &/or Dists	Calypso Marine Pty. Ltd., 1111 South Rd., Melrose Park. 5039	38567	1991	Premise Match	146m	North
	Boat, Launch &/or Yacht Sales &/or Service	Calypso Marine Pty. Ltd., 1111 South Rd., Melrose Park. 5039.	38647	1991	Premise Match	146m	North
	Motor Car Dealers - New &/or Used	Just Cars, 1109 South Rd., Melrose Park. 5039.	26513	1991	Premise Match	146m	North
	Boat, Launch &/or Yacht Accessories Mfrs &/or Dists	Calypso Marine Pty Ltd, 1109 South Rd, Edwardstown 5039	2230	1984	Premise Match	146m	North
	Boat, Launch &/or Yacht Sales &/or Service	Calypso Marine Pty Ltd, 1109 South Rd, Edwardstown 5039	2269	1984	Premise Match	146m	North
	Marine Engine Imps &/Or Dists &/Or Mfrs	Calypso Marine Pty Ltd, 1109 South Rd, Edwardstown 5039	16873	1984	Premise Match	146m	North
	Sporting Goods - Retail	Calypso Marine Pty Ltd, 1109 South Rd, Edwardstown 5039	23426	1984	Premise Match	146m	North
54	Upholsterers	rim Shop, The, 147 Dewa Rd, St Marys, 5042	35826	1991	Premise Match	147m	North East
	Motor Trimmers	Trim Shop, The, 147 Daws Rd, St Marys, 5042	28725	1991	Premise Match	147m	North East
	Motor Trimmers	Trim Shop, The, 147 Daws Rd, St Marys, 5042	28763	1991	Premise Match	147m	North East
55	Hire Services	Wreckair Ply. Ltd., 96 Daws Rd., Edwardstown. 5039.	23619	1991	Premise Match	149m	North West
	Air Compressors For Hire	Wreckair Pty Ltd, 96 Daws Rd, Edwardstown 5039	37062	1991	Premise Match	149m	North West
	Fork Lift Truck Hirers	Wreckair Pty. Ltd., 96 Daws Rd., Edwardstown 5039.	21818	1991	Premise Match	149m	North West
	Builders Equipment &/or Plant Hirers	Wreckair Pty. Ltd., 96 Daws Rd., Edwardstown. 5039	39064	1991	Premise Match	149m	North West
	Air Compressors &/Or Equipment For Hire	Wreckair Pty Ltd, 96 Daws Rd, Edwardstown 5039	434	1984	Premise Match	149m	North West
	Builders Equipment Hirers	Wreckair Pty Ltd. 96 Daws Rd. Edwardstown. 5039.	2904	1984	Premise Match	149m	North West
	Hiring Services	WRECKAIR PTY. LTD. 96 Daws Road, Edwardstown. 5039	14664	1984	Premise Match	149m	North West
	Plant Hirers	Wreckair Pty. Ltd., 96 Daws Rd., Edwardstown. 5039.	20437	1984	Premise Match	149m	North West
	Hiring Services	Wreckair Pty. Ltd., 96 Daws Rd., Edwardstown. 5039.	14700	1984	Premise Match	149m	North West
	Air Compressor Unit Mfrs &/Or Dists.	Wreckair Pty Ltd, 96 Daws Rd, Edwardstown 5039	427	1984	Premise Match	149m	North West
	CABINET MAKERS & FRENCH POLISHERS	Boots E J 94 Daws rd Edwardstown	4932	1965	Premise Match	149m	North West
56	Boot &/or Shoe Repairers	Meech Shoe Store Pty Ltd, 1147 South Rd, St Marys 5042	2434	1984	Premise Match	149m	South
	Boot &/or Shoe Retailers	Meech Shoe Store Pty Ltd, 1147 South Rd, St Marys 5042	2547	1984	Premise Match	149m	South
	FOOTWEAR, BOOT & SHOE AGENTS, SELLERS & REPAIRERS	Meech M H 1147-1149 South rd St Marys	17660	1973	Premise Match	149m	South
	FOOTWEAR, BOOT & SHOE AGENTS, SELLERS & REPAIRERS	Meech M H 809 South rd St Marys	16108	1965	Premise Match	149m	South
	BOOTMAKERS, REPAIRERS & FOOTWEAR STORES	Meech M H 809 South rd St Marys	3574	1955	Premise Match	149m	South

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Business Directory Records 1910-1991 Road or Area Matches

Universal Business Directory and Sands & McDougall Directory records, from years 1991, 1984, 1973, 1965, 1955, 1950, 1940, 1930, 1920 & 1910, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
57	Scrap Metal Merchants	SIMSMETAL LTD South Road, St Marys 5042	32937	1991	Road Match	4m
	Boot &/or Shoe Retailers	Gifford's Shoes, 2293 South Rd, St Marys 5042	2520	1984	Road Match	4m
	MOTOR GARAGES & SERVICE STATIONS	Amoco Australia P/L 115 South rd St Marys	13430	1973	Road Match	4m
	PHARMACISTS	Rogers B H South rd St Marys	27670	1973	Road Match	4m
	GROCERS & GENERAL STOREKEEPERS	Witty F L South rd St Marys	29788	1973	Road Match	4m
	BUTCHERS	Pilmore R S South rd St Marys	1749	1965	Road Match	4m
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Tonsley Pk Service Station South rd St Marys	8827	1965	Road Match	4m
	GROCERS & GENERAL STOREKEEPERS	Witty F L South rd St Marys	35782	1965	Road Match	4m
	MOTORS & ACCESSORIES	Yorke Motors South rd St Marys	13397	1965	Road Match	4m
	FURNITURE MANUFACTURERS & FURNISHERS	Hentel Furnishers South rd St Marys	1588	1955	Road Match	4m
	Butchers	Pilmore R S South rd St Marys	12251	1955	Road Match	4m
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	South Road Service Station South rd St Marys	22220	1955	Road Match	4m
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	South Road Service Station South rd St Marys	22221	1955	Road Match	4m
	GROCERS & GENERAL STOREKEEPERS	Witty F L South rd St Marys	7603	1955	Road Match	4m
	NEWSAGENTS-AUTHORISED	lick, R. A., South Rd., South Rd. Estate	14643	1950	Road Match	4m
	MIXED BUSINESSES	Marys Fruit Shop., South Rd., St. Marys St.	13125	1950	Road Match	4m
	BOOT & SHOE REPAIRERS	Meech, M. H., South Rd., St. Marys	1703	1950	Road Match	4m
	BUILDERS & BUILDING CONTRACTORS	Peak Construction Co. Ltd., South Rd., St. Marys	2316	1950	Road Match	4m
	CHEMISTS-RETAIL	Sorrell, L. M., South Rd., St. Marys	3945	1950	Road Match	4m
	MOTOR ACCESSORIES & SPARE PARTS-RETAIL	South Road Service Station., South Rd., South Road Estate	13452	1950	Road Match	4m
	MOTOR CAR & TRUCK IMPORTERS, DISTRIBUTORS & AGENTS	South Road Service Station., South Rd., South Road Estate	13732	1950	Road Match	4m
	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	South Road Service Station., South Rd., South Road Estate	14134	1950	Road Match	4m
	MOTOR TYRE DEALERS, REPAIRERS & VULCANISERS	South Road Service Station., South Rd., South Road Estate	14483	1950	Road Match	4m
	WELDERS-ELECTRIC & OXY-ACETYLENE	South Road Service Station., South Rd., South Road Estate	18947	1950	Road Match	4m
	BAKERS & PASTRYCOOKS	St. Marys Bakery., South Rd., St. Marys	885	1950	Road Match	4m
	BUTCHERS-RETAIL	St. Marys Meat Store., South Rd., St. Marys	2880	1950	Road Match	4m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
58	GALVANIZED IRON & SHEET METAL ENGINEERS & WORKERS	Muggleton T G 8-10 Pinn st St Marys	22460	1965	Road Match	6m
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Vaccaro A 4 Pinn st St Marys	8899	1965	Road Match	6m
59	MOTOR BODY BUILDERS	Chrysler Australia Ltd South rd Clovelly Pk	54753	1965	Road Match	14m
	BRICKMAKERS	Cream Brick Co Ltd South rd Clovelly Park	4195	1955	Road Match	14m
	GROCERS & GENERAL STOREKEEPERS	Gibbins A & E, South rd Clovelly Park	7649	1955	Road Match	14m
	TOILET SALONS	Jackson G A South rd Clovelly Park	4727	1955	Road Match	14m
	Butchers	Wiese J South rd Clovelly Park	13810	1955	Road Match	14m
	JOINERY MANUFACTURERS	Clovelly Gardens Joinery Works., South Rd., Clovelly Gardens	11079	1950	Road Match	14m
	MOTOR BUS SERVICES	Henstridge, F., South Rd., South Road Park	13563	1950	Road Match	14m
	MOTOR CAR & TRUCK DEALERS-USED	Onell , Parl., South Rd., South Road Park	13652	1950	Road Match	14m
60	CARPENTERS & JOINERS	Douglass R J Newton av Clovelly Park	16102	1955	Road Match	25m
	MIXED BUSINESSES	Flaherty J D, Newton av ,Clovelly Park	17318	1955	Road Match	25m
	MIXED BUSINESSES	Flaherty, J. D., 34 Newton Ave., Clovelly Park	12674	1950	Road Match	25m
61	Engineers - Precision	Diecut (S.A.) Pty. Ltd., Southern Ave., St. Marys. 5042.	10895	1984	Road Match	61m
	Gear Cutting Specialists	Diecut (S.A.) Pty. Ltd.. Southern Ave., St. Marys. 5042.	12812	1984	Road Match	61m
	Transmission Equipment Mfrs &/or Dists	Ditcut (SA) Pty Ltd, Southern Ave, St Marys, 5042	25322	1984	Road Match	61m
	ENGINEERS (Mechanical & General)	Berfield Engineering Ltd Southern av St Marys	1329	1965	Road Match	61m
	FOUNDRIES	Surman V R & Co Southern av St Marys	17499	1965	Road Match	61m
	ENGINEERS (Mechanical & General)	Berfield Engineering Products Southern av St Marys	33232	1955	Road Match	61m
62	Gift Shops &/Or Fancy Goods-Retail	Copper Craft, Benjamin St., St. Marys. 5042	12874	1984	Road Match	96m
	Manufacturers (General)	Automotive Replacement Parts 218 Benjamin st St Marys	39165	1973	Road Match	96m
	Manufacturers (General)	Automotive Replacement Parts 218 Benjamin st St Marys	46024	1965	Road Match	96m
	BUILDERS & GENERAL CONTRACTORS	Hinton C A & Son Benjamin st St Marys	48656	1965	Road Match	96m
	AUTOMOTIVE ELECTRICIANS	South Road Electrics 218 Benjamis st St Marys	32542	1965	Road Match	96m
63	Take-Away Foods	California Fish Shop 560 Daws Rd, Edwardstown 5039	24208	1984	Road Match	97m
	Used Car Dealers	Clovelly Park Moters 2 Sweetmana rd Clovelly Park	8127	1973	Road Match	97m
	HAIRDRESSERS - LADIES (PRPTRS.)	De Grancesca Rino Daws rd California Grove Edwardstown	29877	1973	Road Match	97m
	PLASTERERS	Jones K 8 Sweetmans rd Clovelly Park	30877	1973	Road Match	97m
	MOTOR CARS, TRUCKS & ACCESSORIES	Motors Ltd Daws rd Edwardstown	11840	1973	Road Match	97m
	PLASTERERS	Jones K 8 Sweetmans rd Clovelly Park	39630	1965	Road Match	97m
	PAINTERS, DECORATORS & GLAZIERS	Boucher E P 20 Sweetmans rd Clovelly Park	25360	1955	Road Match	97m
	PLASTERERS	Jones K 8 Sweetmans rd Clovelly Park	33481	1955	Road Match	97m
64	FUEL & ICE MERCHANTS	Ray Fuel Co Daws rd St Marys	19957	1973	Road Match	98m
	FUNERAL DIRECTORS	Ray Fuel Co Daws rd St Marys	20032	1965	Road Match	98m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
64	BOARDINGHOUSES, GUEST HOMES, APARTMENTS & FLATS	Cudmore House Daws rd Edwardstown	332	1955	Road Match	98m
	STEEL TUBE FABRICATION	Tubular Steel Industries Ltd Daws rd Edwdstn	660	1955	Road Match	98m
	BUILDERS & BUILDING CONTRACTORS	Feredays Ltd., Daws Rd., Cudmore Park	2113	1950	Road Match	98m
	EARTH MOVING EQUIPMENT & MACHINERY	Industrial Sales & Service S.A. Ltd., Daws Rd., Cudmore Park	6160	1950	Road Match	98m
	DISTRIBUTORS DOR-INTERNATIONAL HARVESTER	Industrial Sales And Service (S. A.) Limited., Daws Road, Cudmore Park, South Australia	6155	1950	Road Match	98m
	SPRING MANUFACTURERS	Rebeck's Spring Industries., Daws Rd., Cudmore Park	17463	1950	Road Match	98m
	TUBULAR STEEL PRODUCTS	Tubular Steel Industries Ltd., Daws Rd., Cudmore Park	18607	1950	Road Match	98m
65	ENGINEERS (Mechanical & General)	Master Motors 136 South rd Ewardstown	5543	1965	Road Match	98m
	GRAIN, SEED & PRODUCE MERCHANTS	Ackland, W., South Rd., Edwardstown	8546	1950	Road Match	98m
	WOOD & ICE MERCHANTS	Adams' Fuel Supply., South Rd., Edwardstown	19130	1950	Road Match	98m
	MANUFACTURES OF ALL PUFF LINES	Adelaide Premier Chocate Company., 197 South Road, Edwarstown	4397	1950	Road Match	98m
	CONFECTIONERY MANUFACTURERS & WHOLESALERS	Adelaide Premier Chocolate Company., 197 South Rd., Edwardstown	4404	1950	Road Match	98m
	CHOCOLATE MANUFACTURERS	Adelaide'Premier Chocolate Company., 197 South Rd., Edwardstown	4038	1950	Road Match	98m
	TOBACCONISTS	Barker, Mrs. M. O., South Rd., Edwardstown	18128	1950	Road Match	98m
	DELICATESSENS	Barker's., South Rd, Edwardstown	4815	1950	Road Match	98m
	DOCTORS	Clayton, J. W., South Rd., Edwardstown	5301	1950	Road Match	98m
	BATTERY SERVICE & SUPPLIES	Clovelly Park Service Station., South Rd., Edwardstown	1099	1950	Road Match	98m
	MOTOR TYRE DEALERS, REPAIRERS & VULCANISERS	Clovelly Park Service Station., South Rd. Edwardstown	14448	1950	Road Match	98m
	ELECTRICAL APPLIANCES & SUPPLIES	Clovelly Park Service Station., South Rd., Edwardstown	6274	1950	Road Match	98m
	MOTOR ACCESSORIES & SPARE PARTS-RETAIL	Clovelly Park Service Station., South Rd., Edwardstown	13411	1950	Road Match	98m
	MOTOR CAR & TRUCK DEALERS-USED	Clovelly Park Service Station., South Rd., Edwardstown	13602	1950	Road Match	98m
	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	Clovelly Park Service Station., South Rd., Edwardstown	13942	1950	Road Match	98m
	RADIO DEALERS & SERVICEMEN	Clovelly Park Service Station., South Rd., Edwardstown	16276	1950	Road Match	98m
	REFRIGERATOR DEALERS & ENGINEERS	Clovelly Park Service Station., South Rd., Edwardstown	16470	1950	Road Match	98m
	RETRIGERATION SALES AND SERVICE	Clovelly Park Service Station., South Road, Edwardstown	13884	1950	Road Match	98m
	HOSPITALS, NURSING HOMES, ETC.	Ena Maternity Hosoiatl., 131 South Rd., Edwardstown	10012	1950	Road Match	98m
	ENGINEERS- CONSTRUCTIONAL	Guy & Riley., South Road, Cudmore Park, Edwardstown	6675	1950	Road Match	98m
	BEAUTY SALONS & LADIES' HAIRDRESSERS	Jackson's Beauty Parlor ., South Rd., Edwardstown	1227	1950	Road Match	98m
	PRECISION ENGINEERING, TOOL AND DIE MAKING	John Claring- Bould Enginnering Comapany., South Road, Cudmore Park, Edwardstown	6963	1950	Road Match	98m
	BUILDING CONTRACTORS AND JOINERY	Lance E. Harrison & Sons., South Road, Cudmore Park Edwardstown	2176	1950	Road Match	98m
	CABINET MAKERS	Mathias & Comp. Ltd., South Rd., Edwardstown	3009	1950	Road Match	98m
FURNITURE MANUFACTURERS & WHOLESALERS	Mathias & Company Ltd., South Rd., Edwardstown	8256	1950	Road Match	98m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
65	MIXED BUSINESSES	Myers. G. H., South Rd., Edwardstown	12997	1950	Road Match	98m
	SHOWCASE SPECIALISTS	Pengelley, A. & Co., South Rd., Edwardstown	17302	1950	Road Match	98m
	FURNITURE MANUFACTURERS & WHOLESALERS	Pengilly, A., South Rd., Edwardstown	8261	1950	Road Match	98m
	MUSIC TEACHERS	Smith, Miss D., South Rd., Edwardstown	14567	1950	Road Match	98m
	BATHROOM & KITCHEN EQUIPMENT	Wellchrome Plating & Manufacturing Co., 5 South Rd., Edwardstown	1078	1950	Road Match	98m
	CHAFF AND GRAIN MERCHANTS	Ackland, Wm, 190 South rd, Edwardstown	17548	1940	Road Match	98m
	GROCERS AND PROVISION DEALERS	Alcorn, F., 210 South rd, Edwardstown	1050	1940	Road Match	98m
	TIMBER MERCHANTS	Anderson, A. E., 227 Sth rd. Edwardstown	14887	1940	Road Match	98m
	TIMBER MERCHANTS	Bone & Sons Ltd., 136 South rd, Edwardstown	14891	1940	Road Match	98m
	Mixed Businesses	Dinning, H. W., 104 South, rd, Edwardstown	5586	1940	Road Match	98m
	Greengrocers and Fruiterers	Hams, J. J., 165 South rd, Edwardstown	724	1940	Road Match	98m
	HAIRDRESSERS AND TOBACCONISTS	Jackson, G., 121 South rd, Edwardstown	1750	1940	Road Match	98m
	Rubber Goods Manufacturers	KENNY CHARLESWORTH RUBBER PTY. LTD, 225 South Road, Edwardstown	10562	1940	Road Match	98m
	Rubber Goods Manufacturers	Kenworth Rubber Mills, 225 Sth rd, Edwardstown	10563	1940	Road Match	98m
	Bootmakers And Boot Shops	Lewry, William, 150 South rd, Edwardstown	12632	1940	Road Match	98m
	HOTELS	Maid of Auckland-Mrs. I. E. Marshall, 168 South rd, Edwardstown	2813	1940	Road Match	98m
	FIREWOOD MERCHANTS	Makin, J. R., 120-122 South rd. Edwardstown	21837	1940	Road Match	98m
	HAIRDRESSERS AND TOBACCONISTS	Manning, R., 152 South rd, Edwardstown	1805	1940	Road Match	98m
	FURNITURE MANUFACTURERS AND FURNISHERS	Mathias & Co. Ltd., 140 South rd, Edwardstown	460	1940	Road Match	98m
	BUTCHERS	Nicholson, H. M., 154 South rd, Edwardstown	14734	1940	Road Match	98m
	BLACKSMITHS AND FARRIERS	O'Sullivan, B., 170a South rd, Edwardstown	10533	1940	Road Match	98m
	FURNITURE MANUFACTURERS AND FURNISHERS	Pengelley, A. & Co, 184 South rd, Edwardstown	471	1940	Road Match	98m
	CHEMISTS, DRUGGISTS, AND MANUFACTURING CHEMISTS	Quinsey, Irene M., 170 South rd, Edwardstown	17844	1940	Road Match	98m
	CHAFF AND GRAIN MERCHANTS	Stewart Bros, 166 South rd, Edwardstown	17658	1940	Road Match	98m
	FIREWOOD MERCHANTS	Stewart Bros, 166 South rd, Edwardstown	21917	1940	Road Match	98m
	Dealers (General) and Hawkers	Stewart. L. W., 166 South rd, Edwardstown	19245	1940	Road Match	98m
	Fishmongers and Poulterers	Svensson, A. C., 152a South rd, Edwardstown	85	1940	Road Match	98m
	Mixed Businesses	Watts, A. & M., 162 South rd, Edwardstown	6160	1940	Road Match	98m
	Drapers	Williams, A. F., 164 South rd, Edwardstown	19585	1940	Road Match	98m
	Chaff Cutters and Dealers	Ackland. Wm 190 South rd. Edwardstown	12954	1930	Road Match	98m
	DRAPERS	Clark, Mrs. M. A., 164 South rd, Edwardstown	16026	1930	Road Match	98m
	Butchers	Clarke, C., 154 South rd, Edwardstown	9917	1930	Road Match	98m
	Hairdressers	Fitzpatrick, F., 160 South rd. Edwardstown	19485	1930	Road Match	98m
	Bootmakers And Boot Shops	Lewry, William, 150 South rd, Edwardstown	7052	1930	Road Match	98m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
65	HOTELS	Maid of Auckland - M. J.O'Loughlin, 168 South rd, Edwardstown	20343	1930	Road Match	98m
	CHEMISTS, DRUGGISTS, AND MANUFACTURING CHEMISTS	Mitchell, T. G. 158 South rd, Edwardstown	13571	1930	Road Match	98m
	Greengrocers and Fruiterers	Modystack, J., 162 South rd, Edwardstown	18616	1930	Road Match	98m
	FIREWOOD MERCHANTS	Stewart Bros., 120 South rd, Edwardstown	17791	1930	Road Match	98m
	Storekeepers (General)	Young, J. H., 304 South rd, Edwardstown	10653	1930	Road Match	98m
66	CABINET MAKERS & FRENCH POLISHERS	Emsa Cabinet Makers Allan st Edwardstown	5812	1965	Road Match	110m
	CABINET MAKERS & FRENCH POLISHERS	Emsa Cabinet Makers Allan st Edwardstown	14023	1955	Road Match	110m
67	BUTCHERS	Roawarne H T Wingfield av Clovelly Park	2711	1965	Road Match	115m
	Butchers	Rosewarne H T Wingfield av Clovelly Park	12355	1955	Road Match	115m

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Dry Cleaners, Motor Garages & Service Stations

1125 South Road, St Marys, SA 5042



Legend 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: 31 August 2022
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Historical Business Directories

1125 South Road, St Marys, SA 5042

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

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories and Sands & McDougall's Directories, from years 1991, 1984, 1973, 1965, 1955, 1950, 1940 & 1930, mapped to a premise or road intersection, within the dataset buffer.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	Motor Garages & Service Stations	Caltex St Marys Service Station, 1131 South Rd, St Marys, 5042	27606	1991	Premise Match	0m	South
	Motor Garages &/or Engineers &/or Service Stations	Caltex Service Station, - St, Marys, 1131 South Rd., St. Marys. 5042.	18274	1984	Premise Match	0m	South
	MOTOR GARAGES & SERVICE STATIONS	Caltex Service Station 1131 South rd Saint Marys	14471	1973	Premise Match	0m	South
	MOTOR GARAGES & SERVICE STATIONS	Southern Service Station 1131 South rd St Marys	17721	1973	Premise Match	0m	South
2	Dry Cleaners & Pressers	Commission Dyers Pty. Ltd. 7 Pinn St. St. Marys. 5042.	9629	1984	Premise Match	15m	South East
	DRY CLEANERS AND DYERS	Commission Dyers P/L 7 Pinn st St Marys	9156	1973	Premise Match	15m	South East
3	Motor Garages &/or Engineers &/or Service Stations	Amoco Service Station, St Marys, 1115 South Rd, St Marys 5042	18162	1984	Premise Match	30m	North
	MOTOR GARAGES & SERVICE STATIONS	South Ken Service Station 1115 South rd St Marys	17715	1973	Premise Match	30m	North
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Amoco Service Station 777 South rd St Mary's	55751	1965	Premise Match	30m	North
4	MOTOR GARAGES & SERVICE STATIONS	Mobil Oil Aust Ltd 1116 South rd Clovelly Pk	16685	1973	Premise Match	32m	North West
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Robby's Service Station 752 South rd Clovelly Park	6738	1965	Premise Match	32m	North West
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Clovelly Pk Service Stn 2 Sweetmans rd Clovelly Park	19529	1955	Premise Match	32m	North West
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Robby's Service Station 752 South rd Clovelly Park	22011	1955	Premise Match	32m	North West
5	Motor Garages & Service Stations	M & M Auto Repairs, 145 Daws Rd, St Marys, 5042	27735	1991	Premise Match	133m	North East
	Motor Garages &/or Engineers &/or Service Stations	M & M Auto Repairs, 145 Daws Rd., St Marys. 5042.	18409	1984	Premise Match	133m	North East
6	DRY CLEANERS AND DYERS	Orchid Dry 1164b South rd Clovelly Park	9207	1973	Premise Match	152m	South
7	Motor Garages & Service Stations	Eustice Mitsubishi, 1102 South Rd, Edwardstown, 5039	27677	1991	Premise Match	164m	North West
8	Dry Cleaners, Dyers & Laundries	Tip Top Dry Cleaners 815 South rd St Marys	50098	1965	Premise Match	165m	South
9	Motor Garages & Service Stations	Grande Auto Garage, 26 Pinn St, St Marys, 5042	27691	1991	Premise Match	168m	South
10	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Rogers J 6 Allan st Edwardstown	22031	1955	Premise Match	183m	North
11	DRY CLEANERS AND DYERS	Tip Top Laundries & Dry Cleaners Pty Ltd 2 Konanado tce Edwardstown	9224	1973	Premise Match	228m	North West
12	Motor Garages & Service Stations	McDonald Auto Repairs, 1097B South Rd, Melrose Park, 5039	27736	1991	Premise Match	257m	North

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
13	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Packham M H 1 Dorene st St Marys	5656	1965	Premise Match	265m	East
14	MOTOR GARAGES & SERVICE STATIONS	St Mary's Service Station 1174 South rd St Marys	16865	1973	Premise Match	279m	South
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	St Marys Service Station 786 South rd Clovelly Park	7862	1965	Premise Match	279m	South
15	Motor Garages & Service Stations	Dent Motors, 10 Konando Tce, Edwardstown, 5039	27642	1991	Premise Match	281m	North West
	Motor Garages &/or Engineers &/or Service Stations	Dent Motors, 10 Konando Tce., Edwardstown. 5039.	18294	1984	Premise Match	281m	North West
16	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Humby A J 11 Beverley st Clovelly Park	2113	1965	Premise Match	296m	West
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Humby A J 11 Beverley st Clovelly Park	20629	1955	Premise Match	296m	West
17	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Wallace K A 10 Donald st St Marys	8955	1965	Premise Match	309m	East
18	Dry Cleaners, Dyers & Laundries	Kleen Cloth Company 11 Bennet av Edwardstown	49928	1965	Premise Match	321m	North
	Dry Cleaners, Dyers & Laundries	Peerless Industrial Cleaners Ltd 11 Bennet av Edwardstown	49980	1965	Premise Match	321m	North
19	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Pittman B A 1 Glandore av Clovelly Park	5768	1965	Premise Match	354m	South West
20	Motor Garages & Service Stations	Bright Sam Motors, 72 Daws Rd, Edwardstown, 5039	27567	1991	Premise Match	373m	West
	Motor Garages &/or Engineers &/or Service Stations	Bright, S. Motors, 72 Dews Rd., Edwardstown. 5039.	18260	1984	Premise Match	373m	West
21	Motor Garages & Service Stations	Ampol Clovelly Park Service Station, 1188 South Rd, Clovelly Park.5042	27470	1991	Premise Match	399m	South
	Motor Garages &/or Engineers &/or Service Stations	Ampol Clovelly Park Service Station, 1188 South Rd, Clovelly Park 5042	18166	1984	Premise Match	399m	South
	MOTOR GARAGES & SERVICE STATIONS	Ampol 1186 South rd Clovelly Park	13451	1973	Premise Match	399m	South
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Ampol Service Station 800 South rd Clovelly Park	55776	1965	Premise Match	399m	South
22	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Wendt G P 17 Donald st St Marys	9829	1965	Premise Match	402m	East
23	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Levy L 13 Ferry av Daw Park	3273	1965	Premise Match	404m	North
24	Motor Garages & Service Stations	Pate's John Auto Workshop, 16 Denis St, St Marys, 5042	27799	1991	Premise Match	410m	South
25	Motor Garages & Service Stations	Coongie Auto Repairs, 8 Coongie Ave, Edwardstown, 5039	27632	1991	Premise Match	422m	North West
	Motor Garages &/or Engineers &/or Service Stations	Hatcher Motor Engineering, 8 Coongie Ave., Edwardstown. 5039.	18375	1984	Premise Match	422m	North West
26	MOTOR GARAGES & SERVICE STATIONS	Dewhurst Auto Electrical 1080 South rd Edwardstown	15324	1973	Premise Match	422m	North
27	Dry Cleaners, Dyers & Laundries	Tip Top Dry Cleaners 66 Daws rd Edwardstown	50110	1965	Premise Match	428m	West
28	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	White A J 10 Hendon st Clovelly Park	9849	1965	Premise Match	459m	West
29	Motor Garages & Service Stations	BP Ackland Gardens Service Station, 62 Daws Rd, Edwardstown.5039	27511	1991	Premise Match	460m	West
	Motor Garages &/or Engineers &/or Service Stations	BP Ackland Gardens Service Station, 62 Daws Rd, Edwardstown 5039	18206	1984	Premise Match	460m	West

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
29	MOTOR GARAGES & SERVICE STATIONS	BP Ackland Gardens Service Station 62 Daws rd Edwardstown	14254	1973	Premise Match	460m	West
30	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Adelaide Engine Service 16-18 Ferry st Edwardstown	55686	1965	Premise Match	462m	North
31	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Reay R D 35 Dorene st St Marys	21975	1955	Premise Match	463m	South East
32	Motor Garages &/or Engineers &/or Service Stations	P.A.B. Auto Repairs, 10 Ferry Ave., Edwardstown. 5039.	18457	1984	Premise Match	466m	North
33	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Luddy J 8 Ferry st Edwardstown	3353	1965	Premise Match	469m	North

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

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories and Sands & McDougall's Directories, from years 1991, 1984, 1973, 1965, 1955, 1950, 1940 & 1930, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
34	MOTOR GARAGES & SERVICE STATIONS	Amoco Australia P/L 115 South rd St Marys	13430	1973	Road Match	4m
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Tonsley Pk Service Station South rd St Marys	8827	1965	Road Match	4m
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	South Road Service Station South rd St Marys	22220	1955	Road Match	4m
	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	South Road Service Station South rd St Marys	22221	1955	Road Match	4m
	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	South Road Service Station., South Rd., South Road Estate	14134	1950	Road Match	4m
35	MOTOR ENGINEERS, GARAGES & SERVICE STATIONS	Vaccaro A 4 Pinn st St Marys	8899	1965	Road Match	6m
36	MOTOR GARAGES, ENGINEERS & SERVICE STATIONS	Clovelly Park Service Station., South Rd., Edwardstown	13942	1950	Road Match	98m
37	Dry Cleaners, Dyers & Laundries	Tip Top Dry Cleaners 558b South rd Edwardstown	50111	1965	Road Match	229m
	Motor Engineers, Garages And Service Stations	Barker, C, South rd, Edwardstown	6692	1940	Road Match	229m
	Motor Engineers, Garages And Service Stations	Stacey, F. S., South rd, Edwardstown	7093	1940	Road Match	229m
	PETROL STORAGE SYSTEMS AND SERVICE STATIONS	Stewart Bros., South rd, Edwardstown	3875	1930	Road Match	229m


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Aerial Imagery 2022

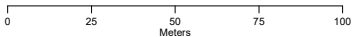
1125 South Road, St Marys, SA 5042



Legend

-  Site Boundary
-  Buffer 150m

Scale:



Data Source Aerial Imagery:
© Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 54

Date: 31 August 2022

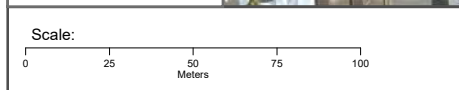
Aerial Imagery 2017

1125 South Road, St Marys, SA 5042



Legend

- Site Boundary
- Buffer 150m



Data Source Aerial Imagery:
© Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 54



Date: 31 August 2022

Aerial Imagery 2012

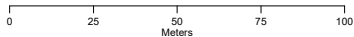
1125 South Road, St Marys, SA 5042



Legend

-  Site Boundary
-  Buffer 150m

Scale:



Data Source Aerial Imagery:
© Aerometrex Pty Ltd

Coordinate System:
GDA 1994 MGA Zone 54



Date: 31 August 2022

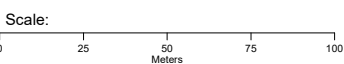
Aerial Imagery 2007

1125 South Road, St Marys, SA 5042



Legend

-  Site Boundary
-  Buffer 150m



Data Source Aerial Imagery:
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Coordinate System:
GDA 1994 MGA Zone 54


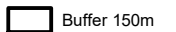
Date: 31 August 2022

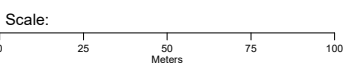
Aerial Imagery 2002

1125 South Road, St Marys, SA 5042



Legend

-  Site Boundary
-  Buffer 150m



Data Source Aerial Imagery:
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Coordinate System:
GDA 1994 MGA Zone 54



Date: 31 August 2022

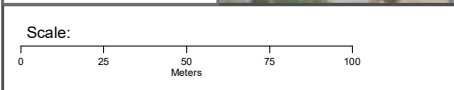
Aerial Imagery 1999

1125 South Road, St Marys, SA 5042



Legend

-  Site Boundary
-  Buffer 150m



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

Coordinate System:
GDA 1994 MGA Zone 54



Date: 30 August 2022

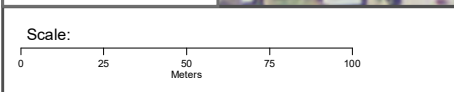
Aerial Imagery 1989

1125 South Road, St Marys, SA 5042



Legend

-  Site Boundary
-  Buffer 150m



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

Coordinate System:
GDA 1994 MGA Zone 54


Date: 30 August 2022

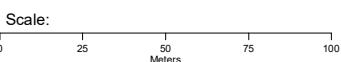
Aerial Imagery 1979

1125 South Road, St Marys, SA 5042



Legend

-  Site Boundary
-  Buffer 150m



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

Coordinate System: GDA 1994 MGA Zone 54



Date: 30 August 2022

Aerial Imagery 1969

1125 South Road, St Marys, SA 5042



Legend

-  Site Boundary
-  Buffer 150m



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

Coordinate System:
GDA 1994 MGA Zone 54

Date: 30 August 2022

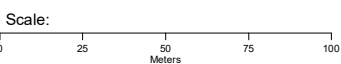
Aerial Imagery 1959

1125 South Road, St Marys, SA 5042



Legend

-  Site Boundary
-  Buffer 150m



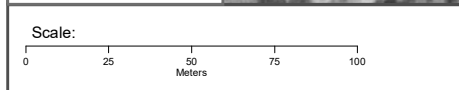
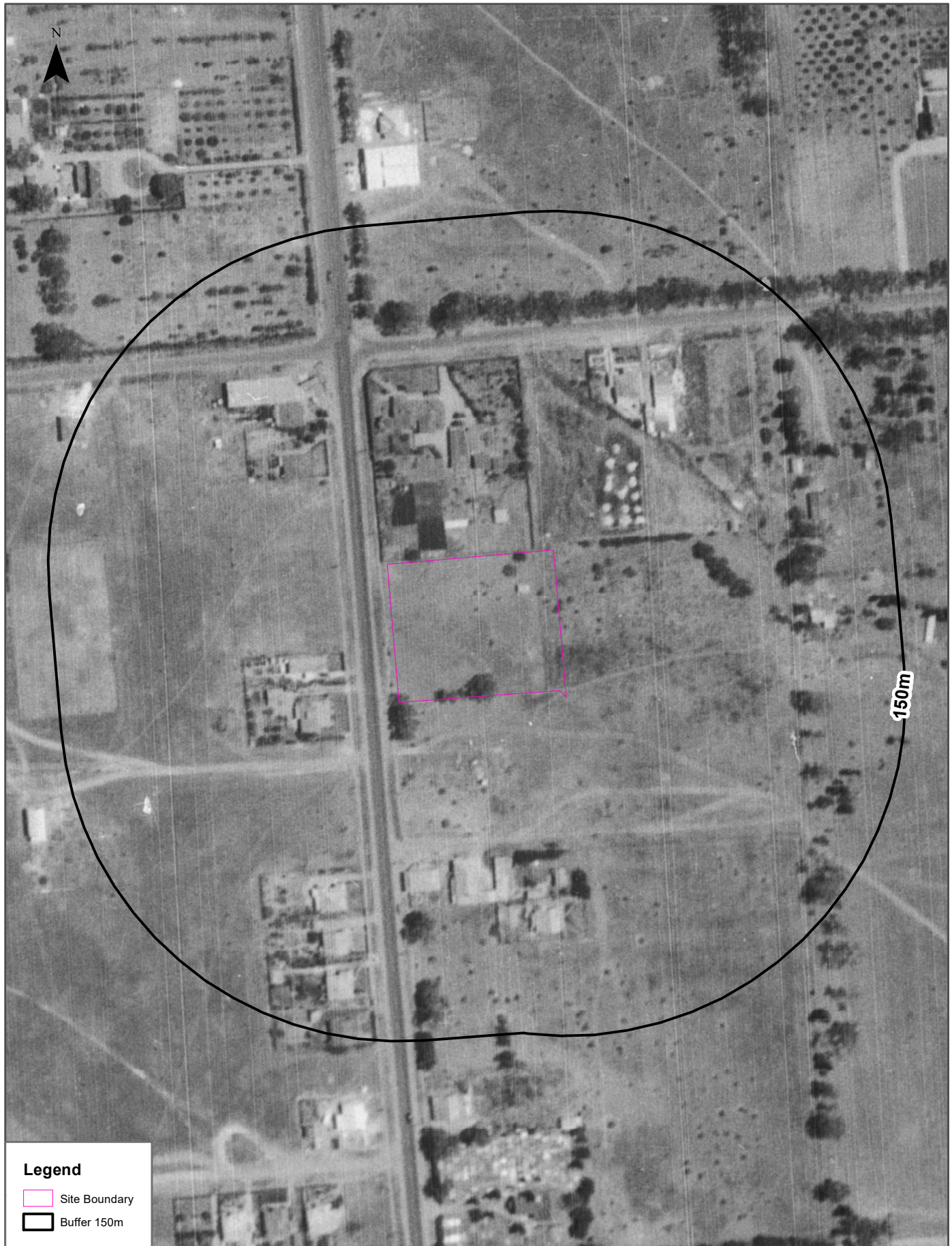
Data Sources Aerial Imagery: © South Australia
Department for Environment & Water

Coordinate System:
GDA 1994 MGA Zone 54

Date: 30 August 2022

Aerial Imagery 1949

1125 South Road, St Marys, SA 5042



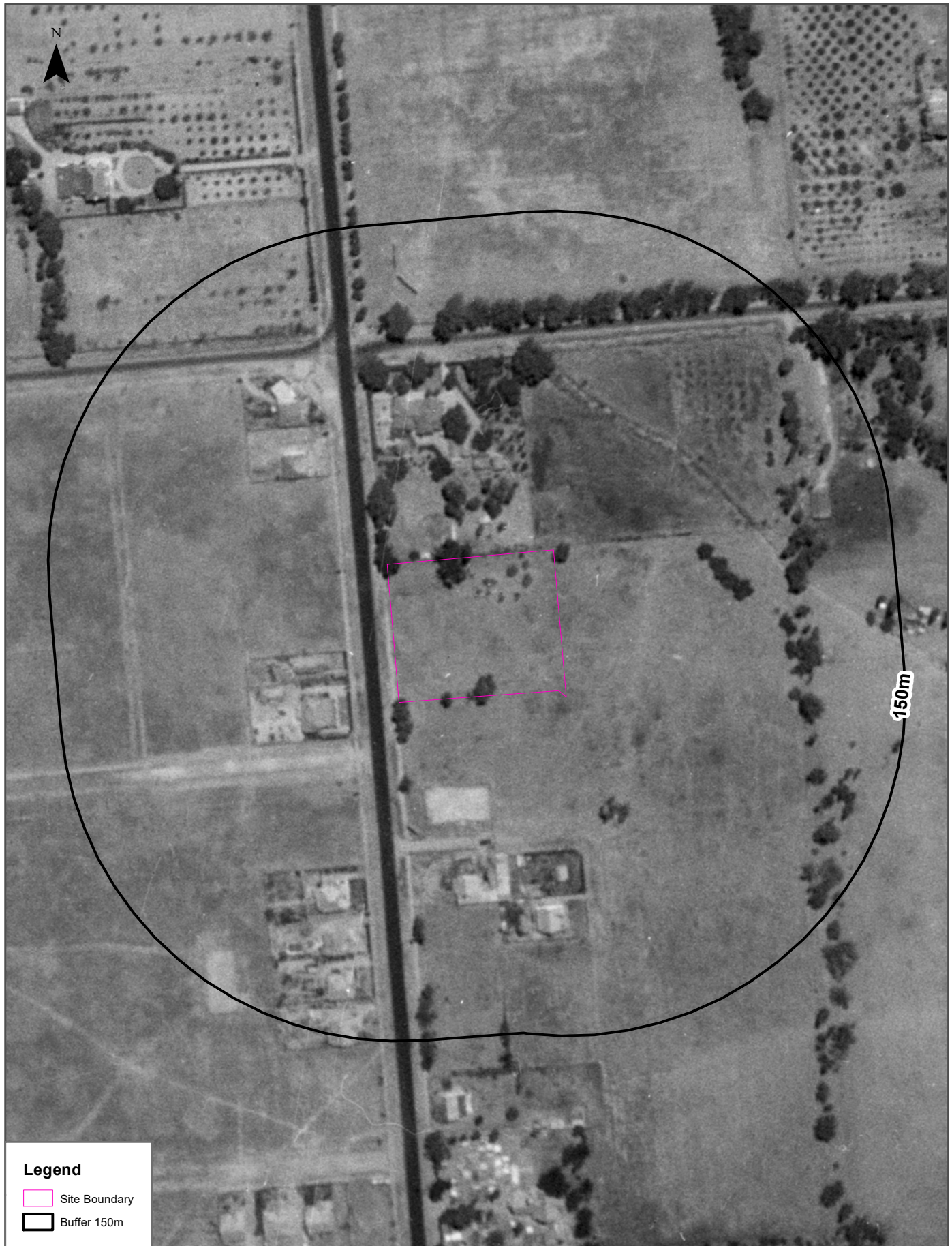
Data Sources Aerial Imagery: © South Australia Department for Environment & Water

Coordinate System: GDA 1994 MGA Zone 54



Date: 30 August 2022

Aerial Imagery 1936

1125 South Road, St Marys, SA 5042



Legend

-  Site Boundary
-  Buffer 150m

Scale: 0 25 50 75 100 Meters

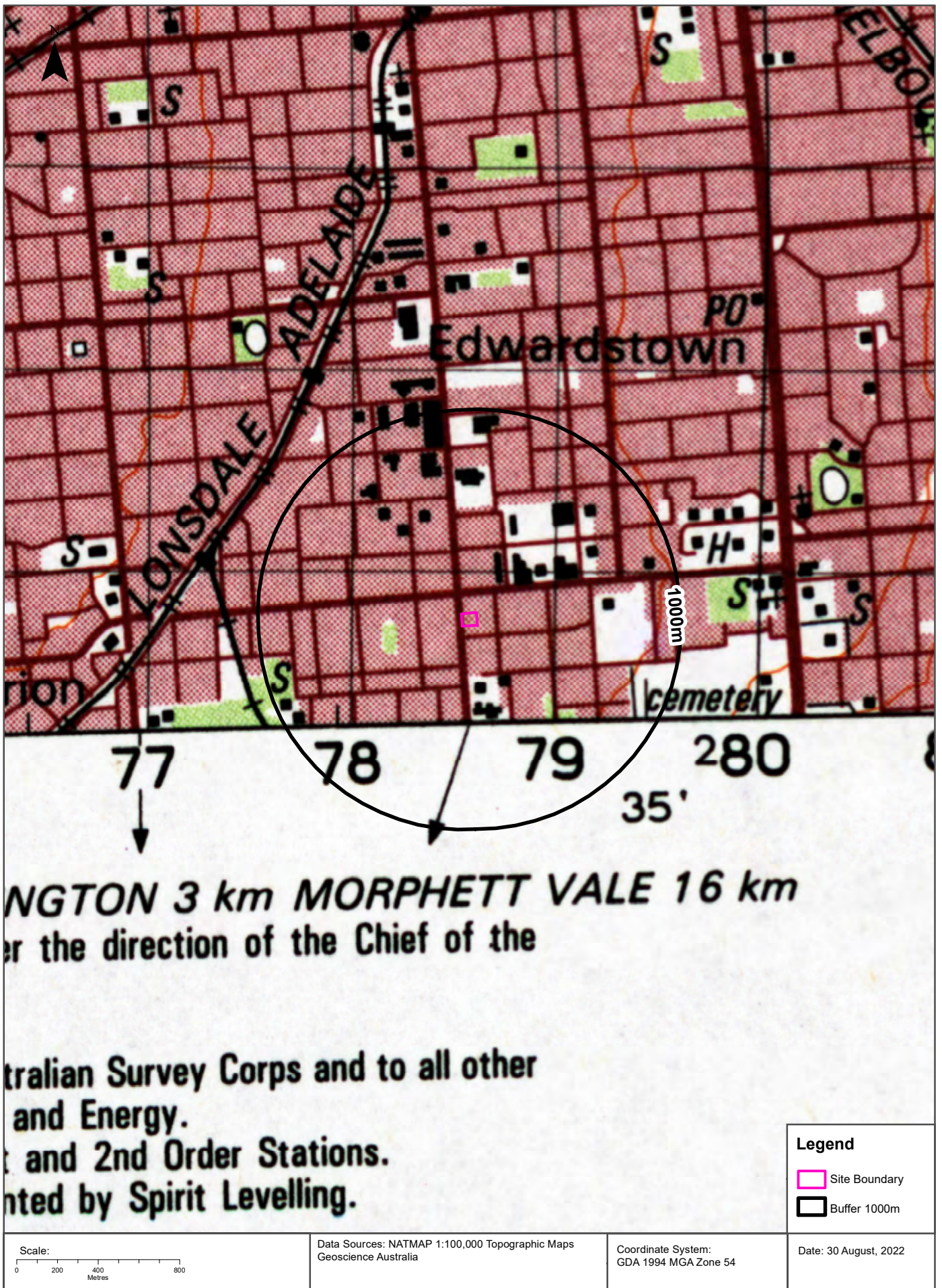
Data Source Aerial Imagery: ©2022 Geoscience Australia

Coordinate System: GDA 1994 MGA Zone 54

Date: 30 August 2022

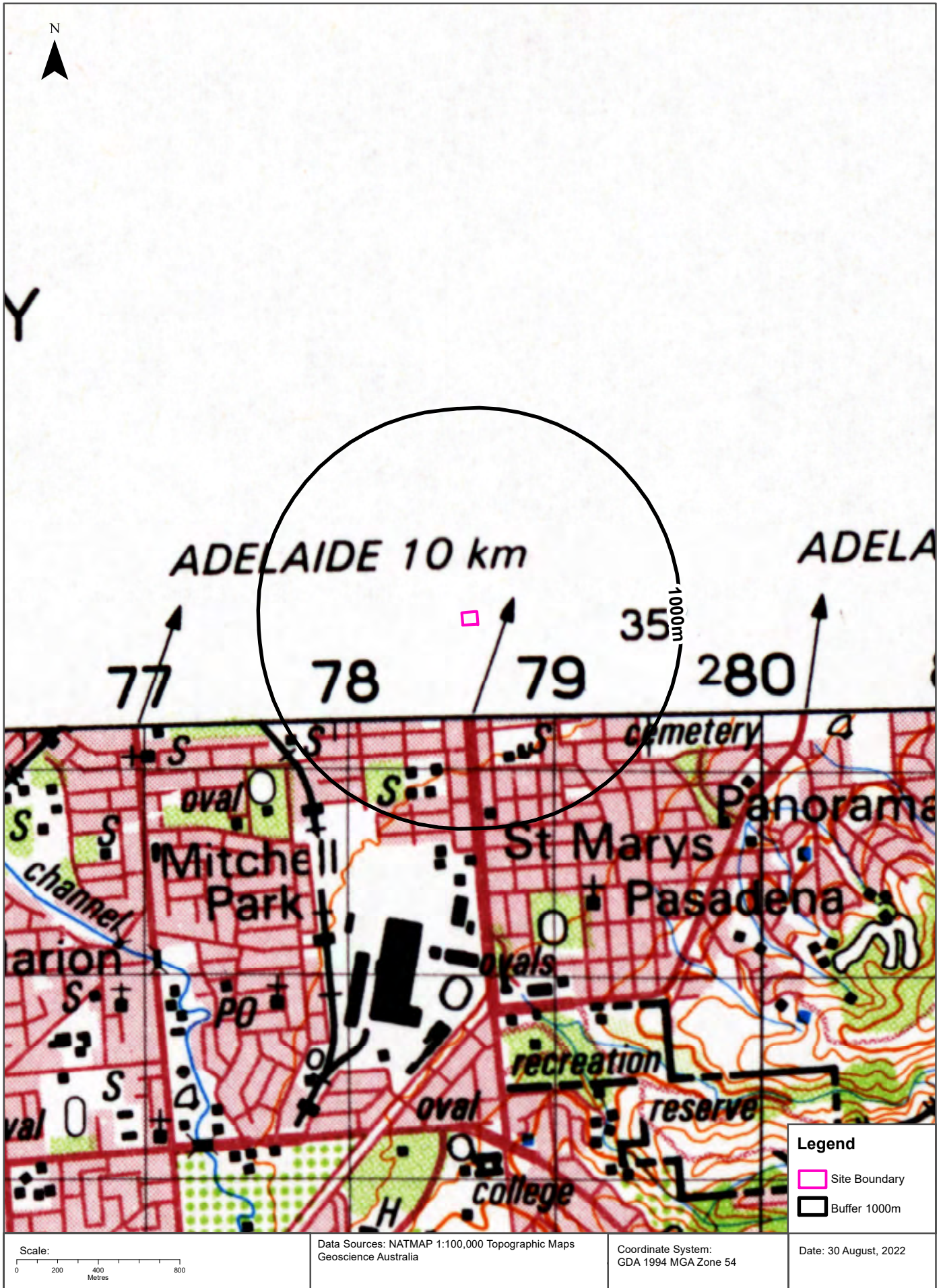
Historical Map 1982

1125 South Road, St Marys, SA 5042



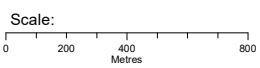
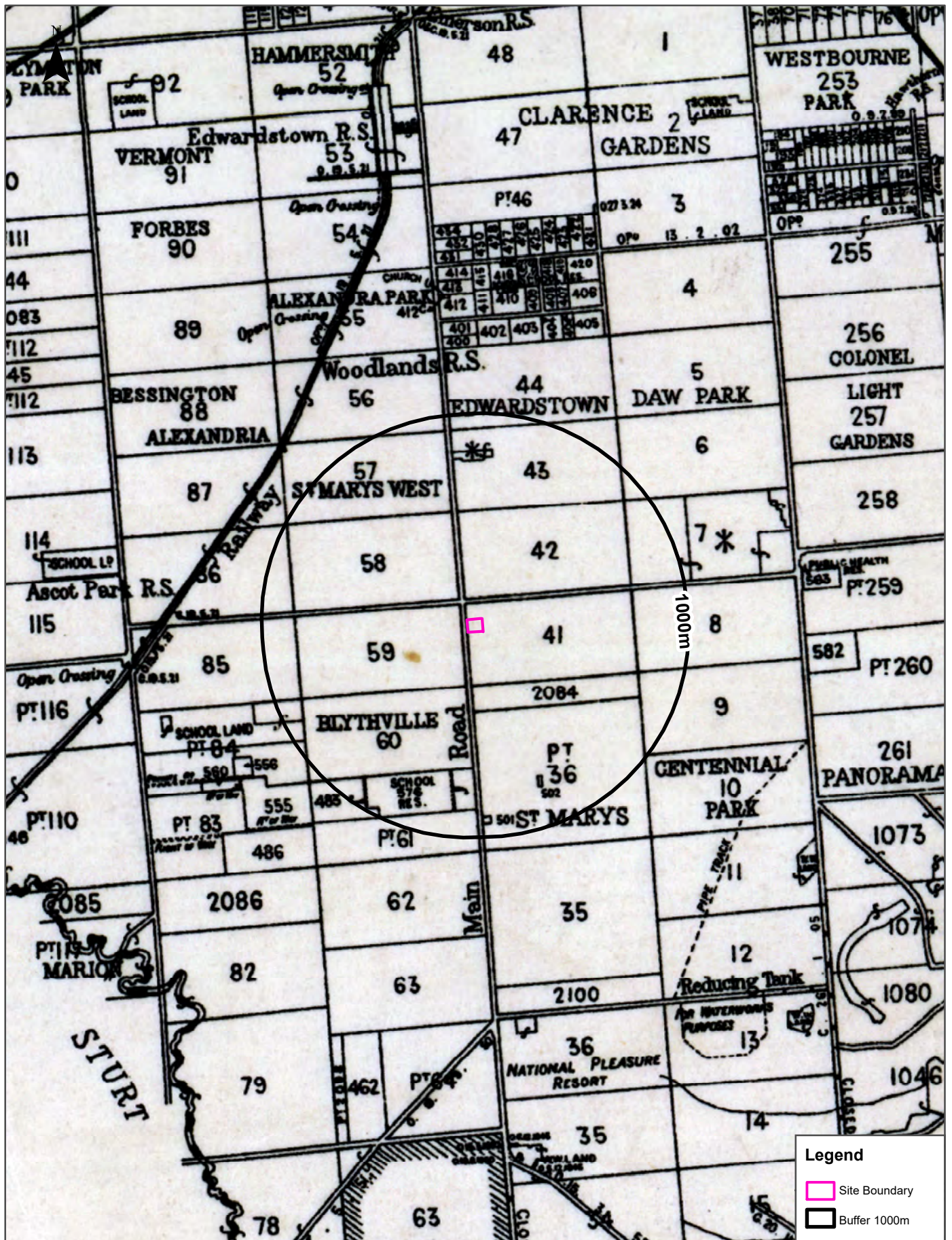
Historical Map 1982

1125 South Road, St Marys, SA 5042



Historical Map 1959

1125 South Road, St Marys, SA 5042



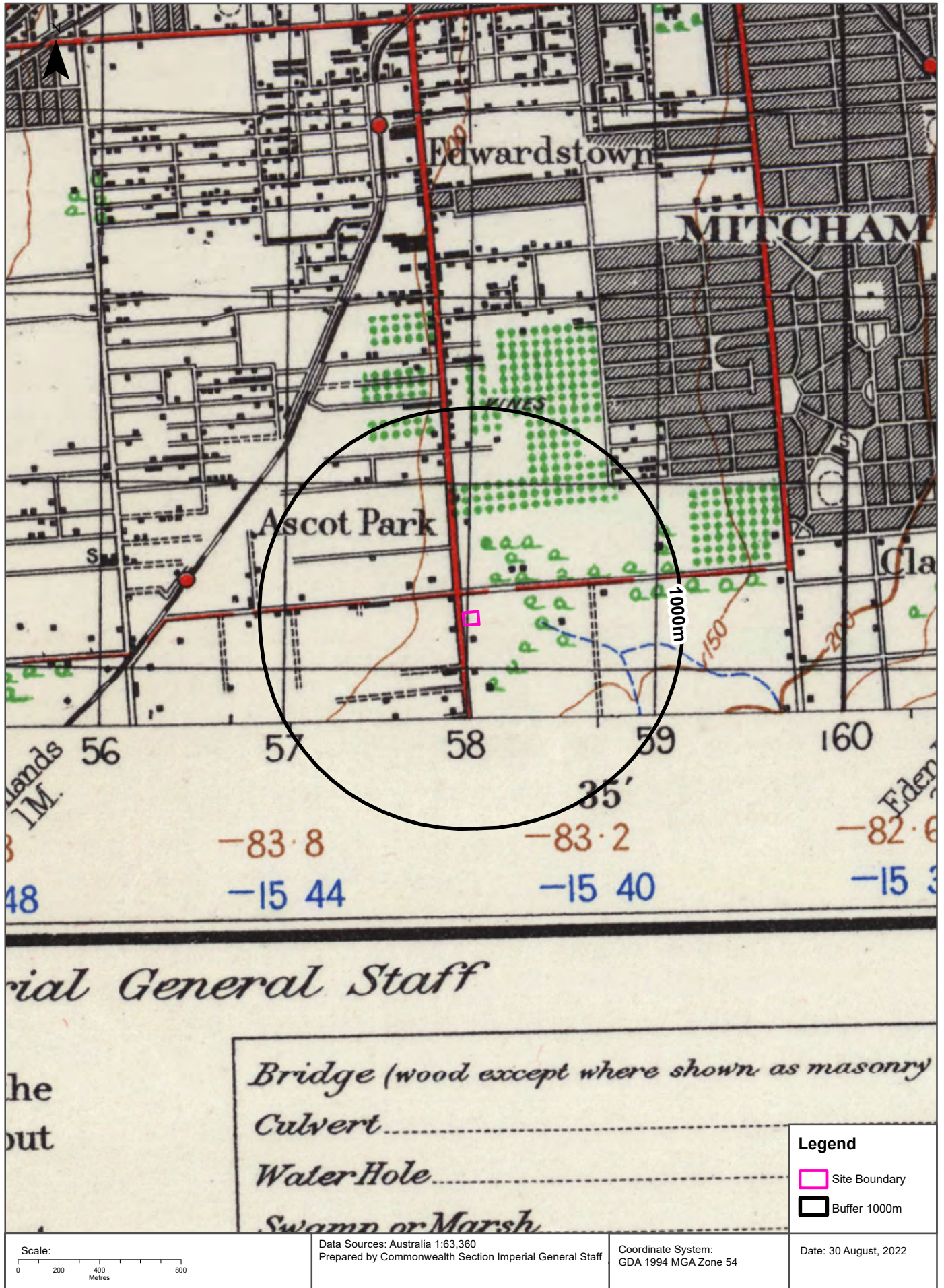
Data Sources: Hundred Map - Adelaide
Surveyor General's Office, Adelaide

Coordinate System:
GDA 1994 MGA Zone 54

Date: 30 August, 2022

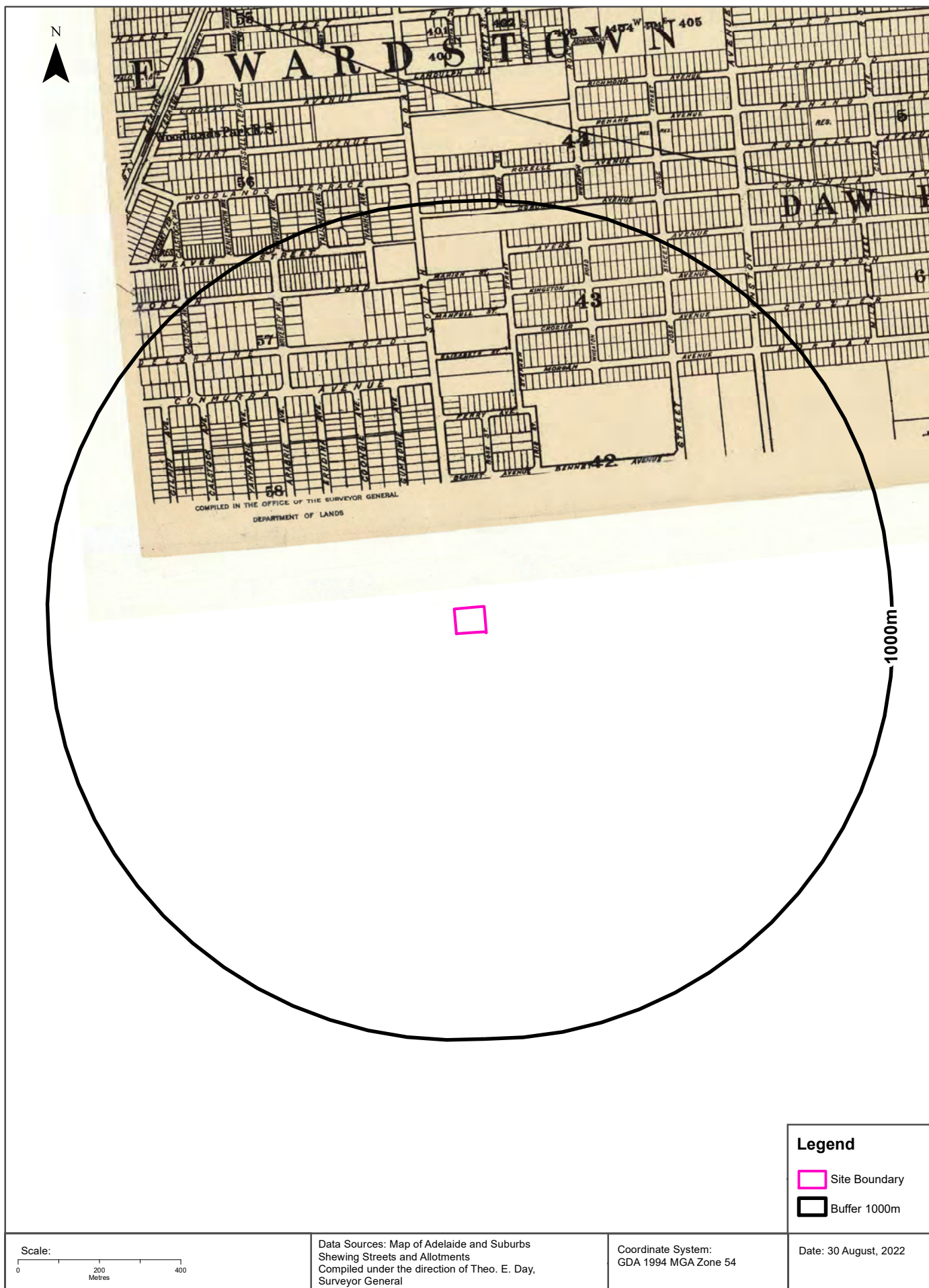
Historical Map c.1937

1125 South Road, St Marys, SA 5042



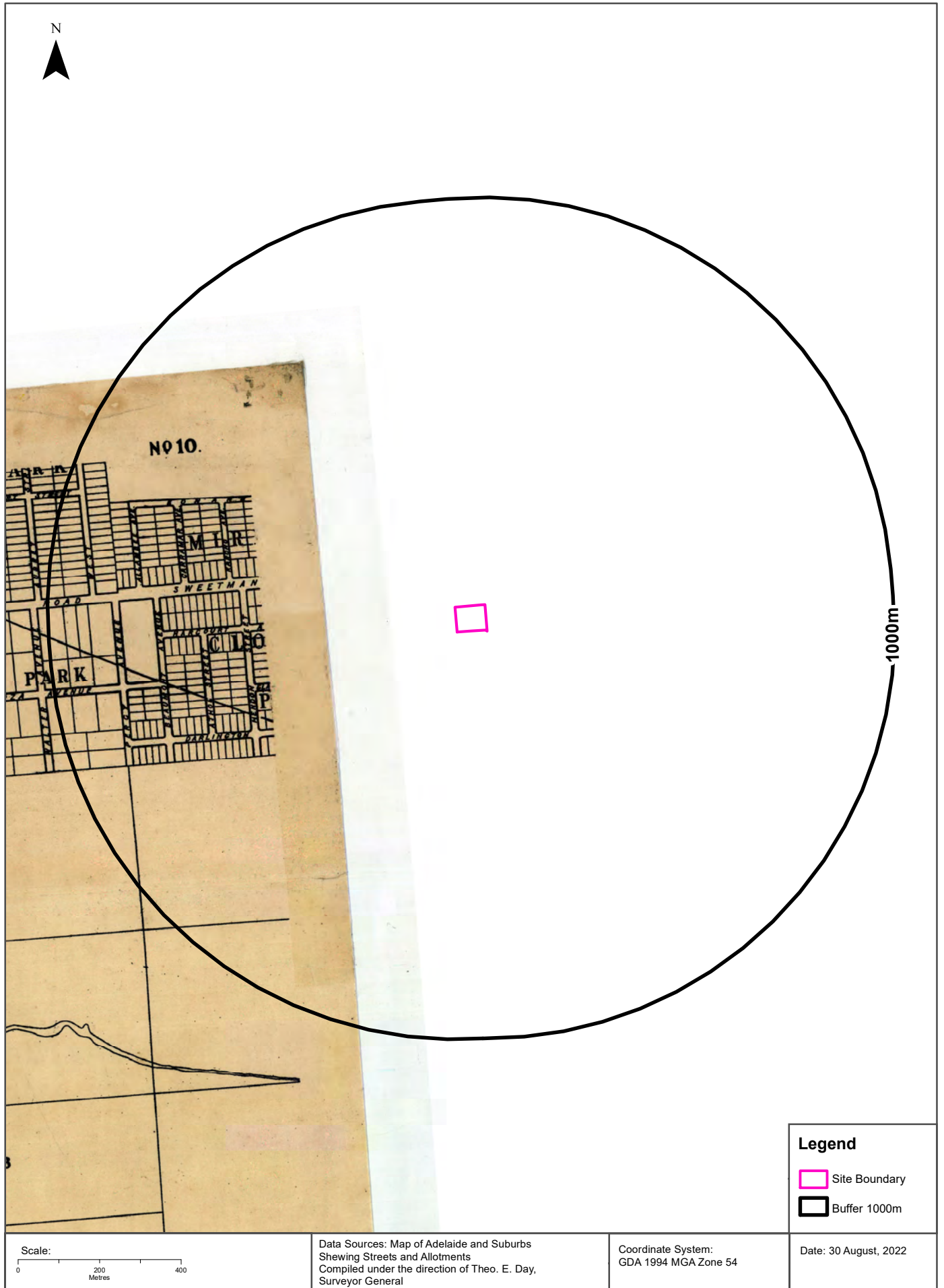
Historical Map 1927

1125 South Road, St Marys, SA 5042



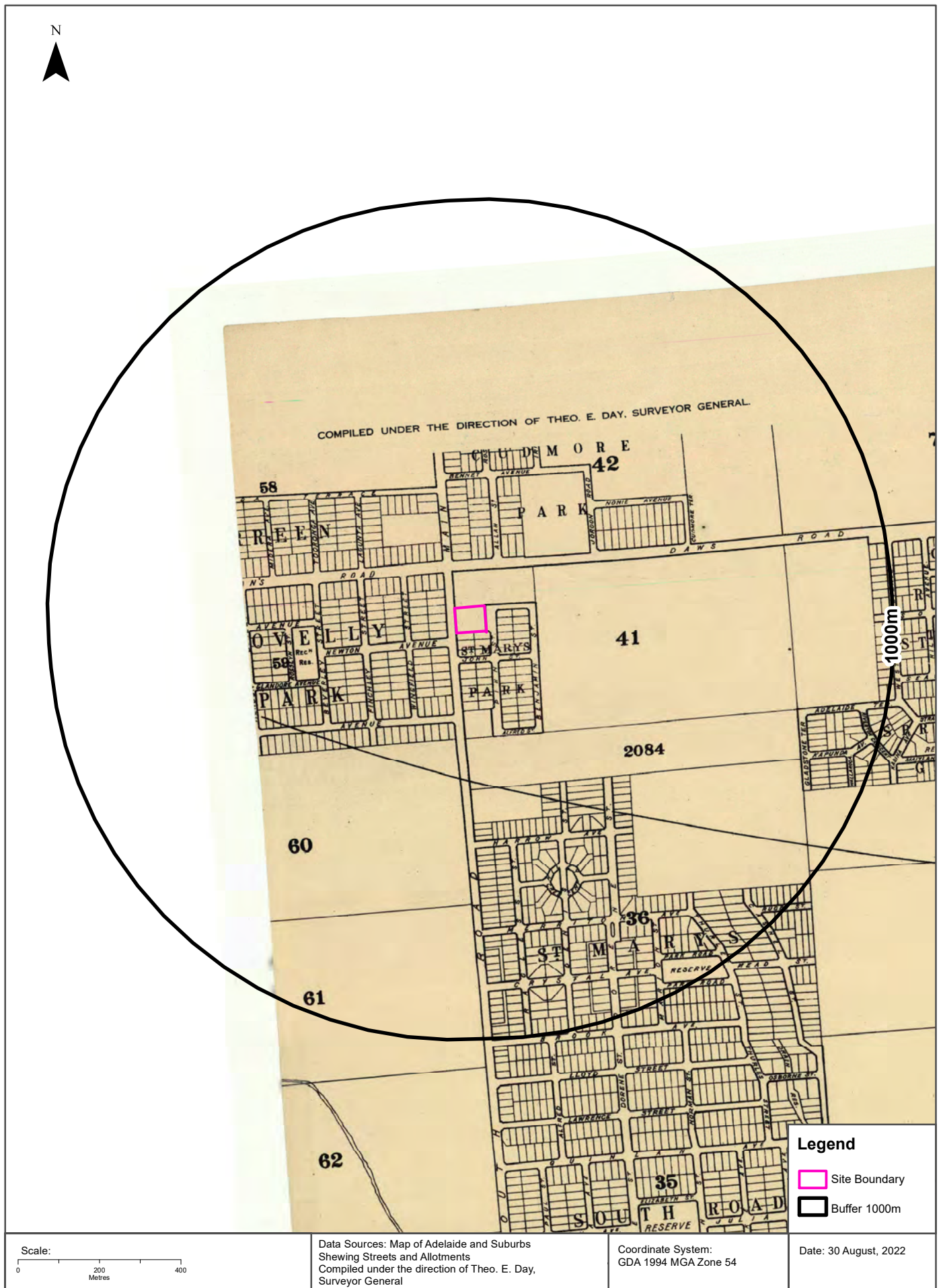
Historical Map 1927

1125 South Road, St Marys, SA 5042



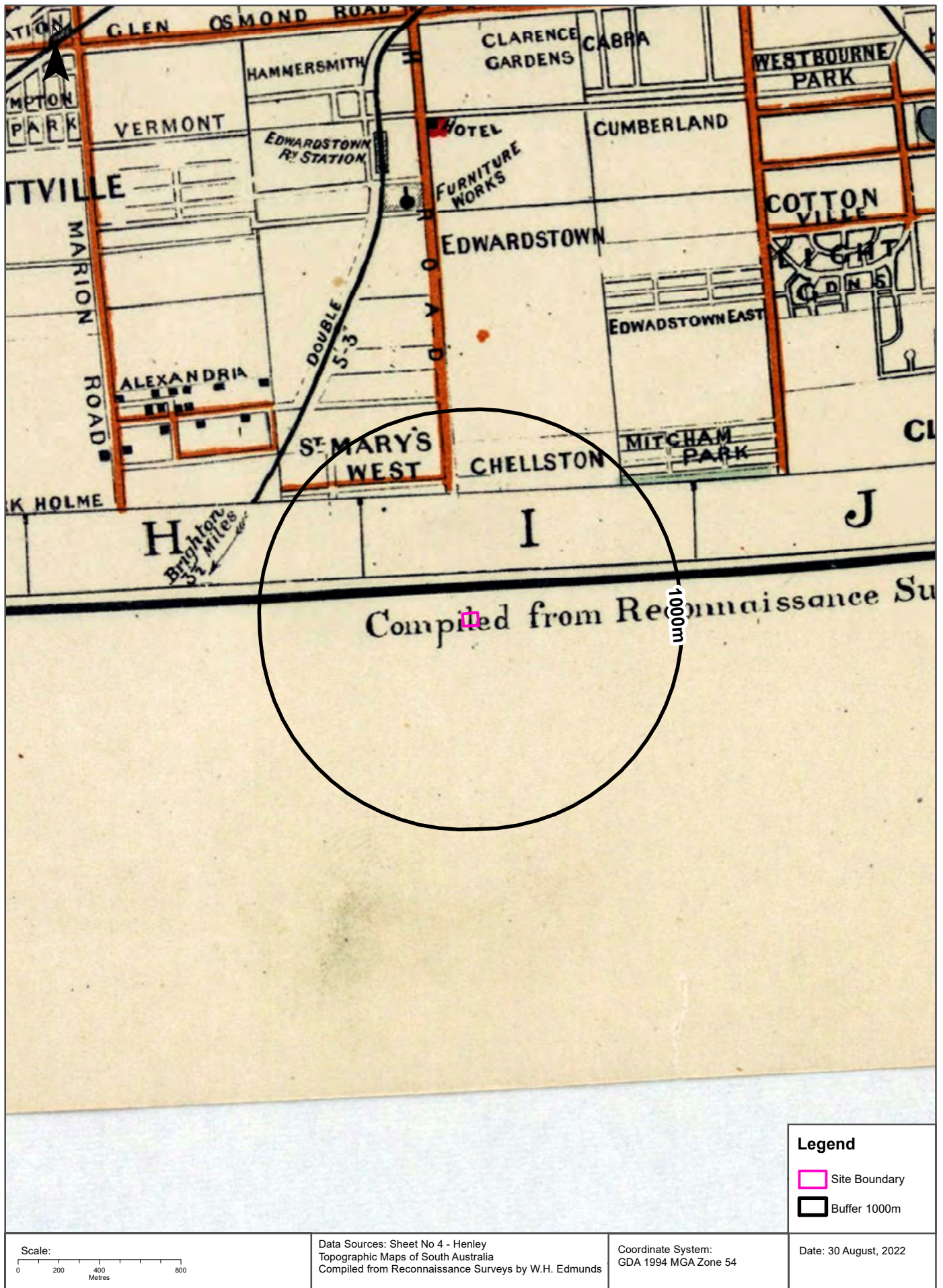
Historical Map 1927

1125 South Road, St Marys, SA 5042



Historical Map 1926

1125 South Road, St Marys, SA 5042



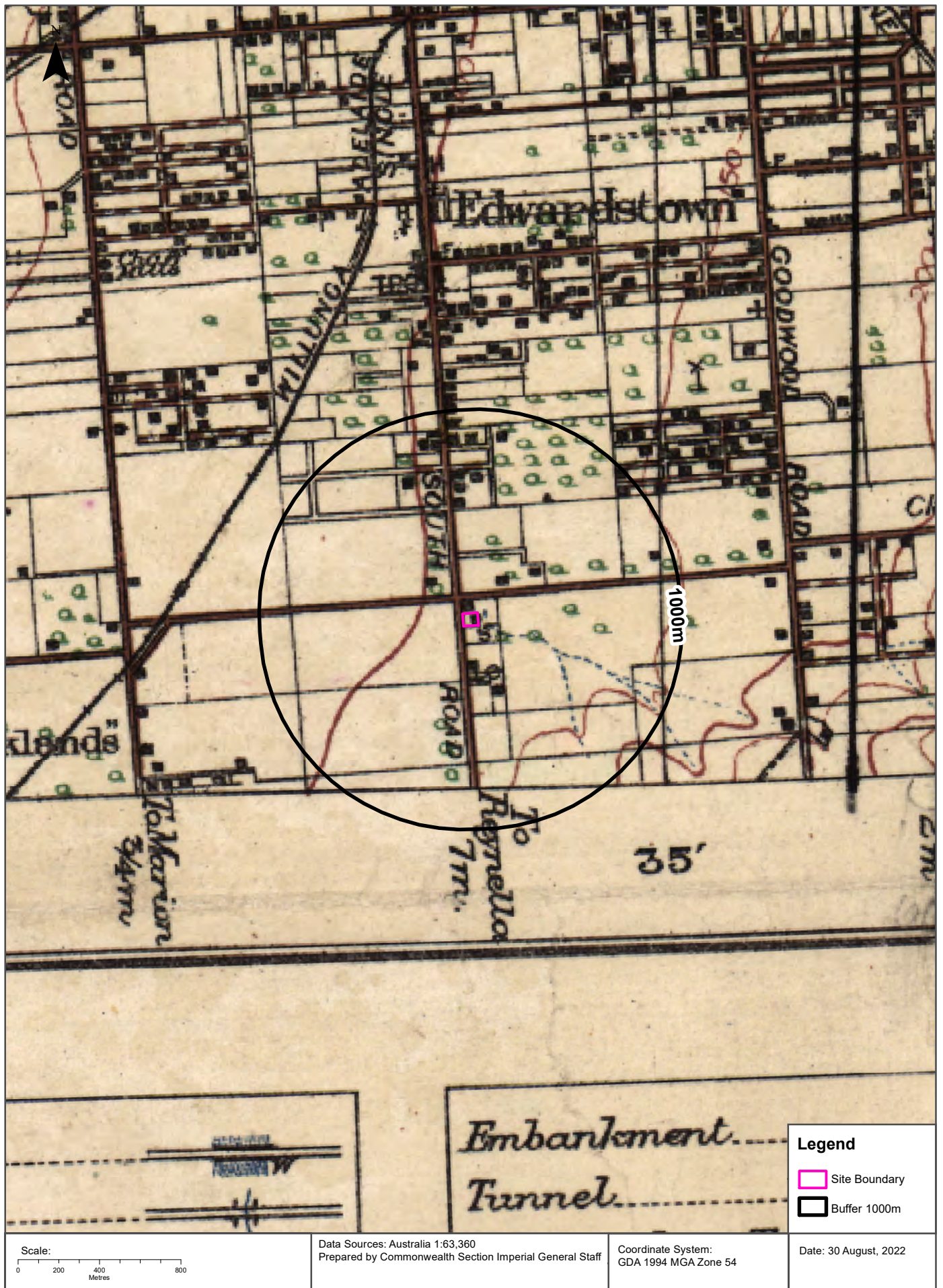
Historical Map 1926

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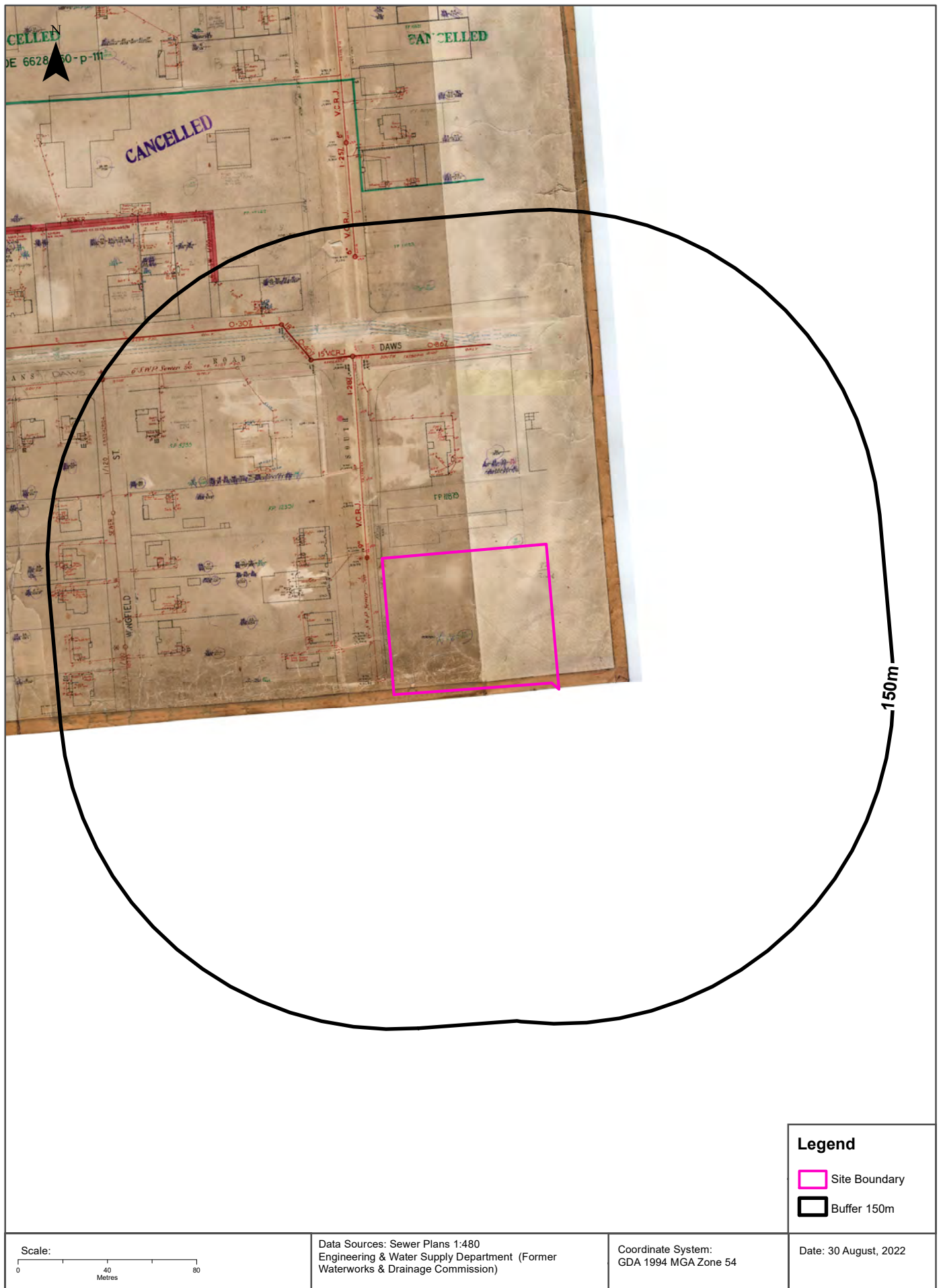
Historical Map c.1914



1125 South Road, St Marys, SA 5042

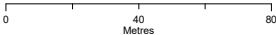


Historical Map 1900-1970

1125 South Road, St Marys, SA 5042



Legend	
	Site Boundary
	Buffer 150m

<p>Scale:</p> 

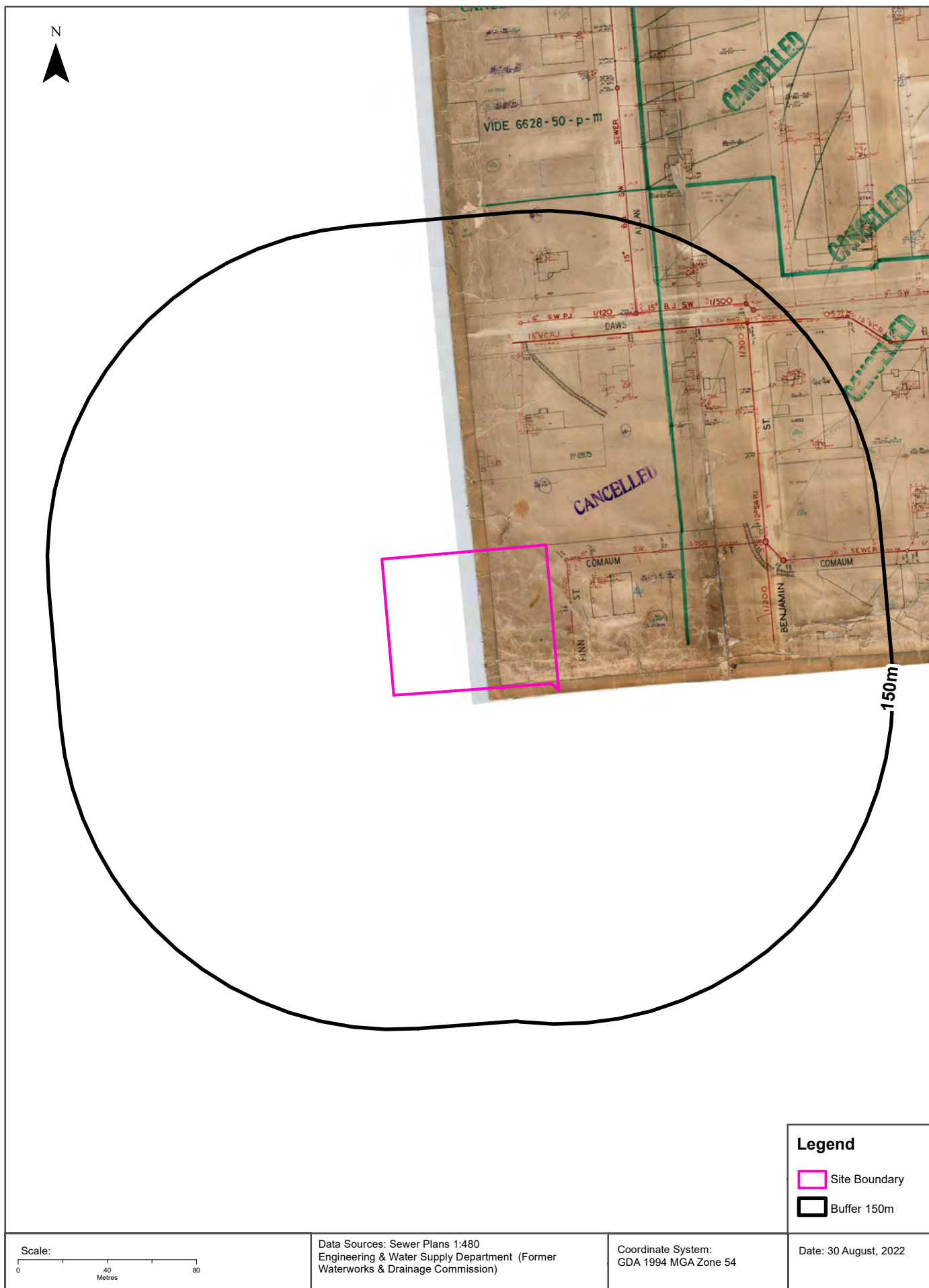
<p>Data Sources: Sewer Plans 1:480 Engineering & Water Supply Department (Former Waterworks & Drainage Commission)</p>
--

<p>Coordinate System: GDA 1994 MGA Zone 54</p>
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<p>Date: 30 August, 2022</p>

Historical Map 1900-1970

1125 South Road, St Marys, SA 5042



Scale: 0 40 80 Metres

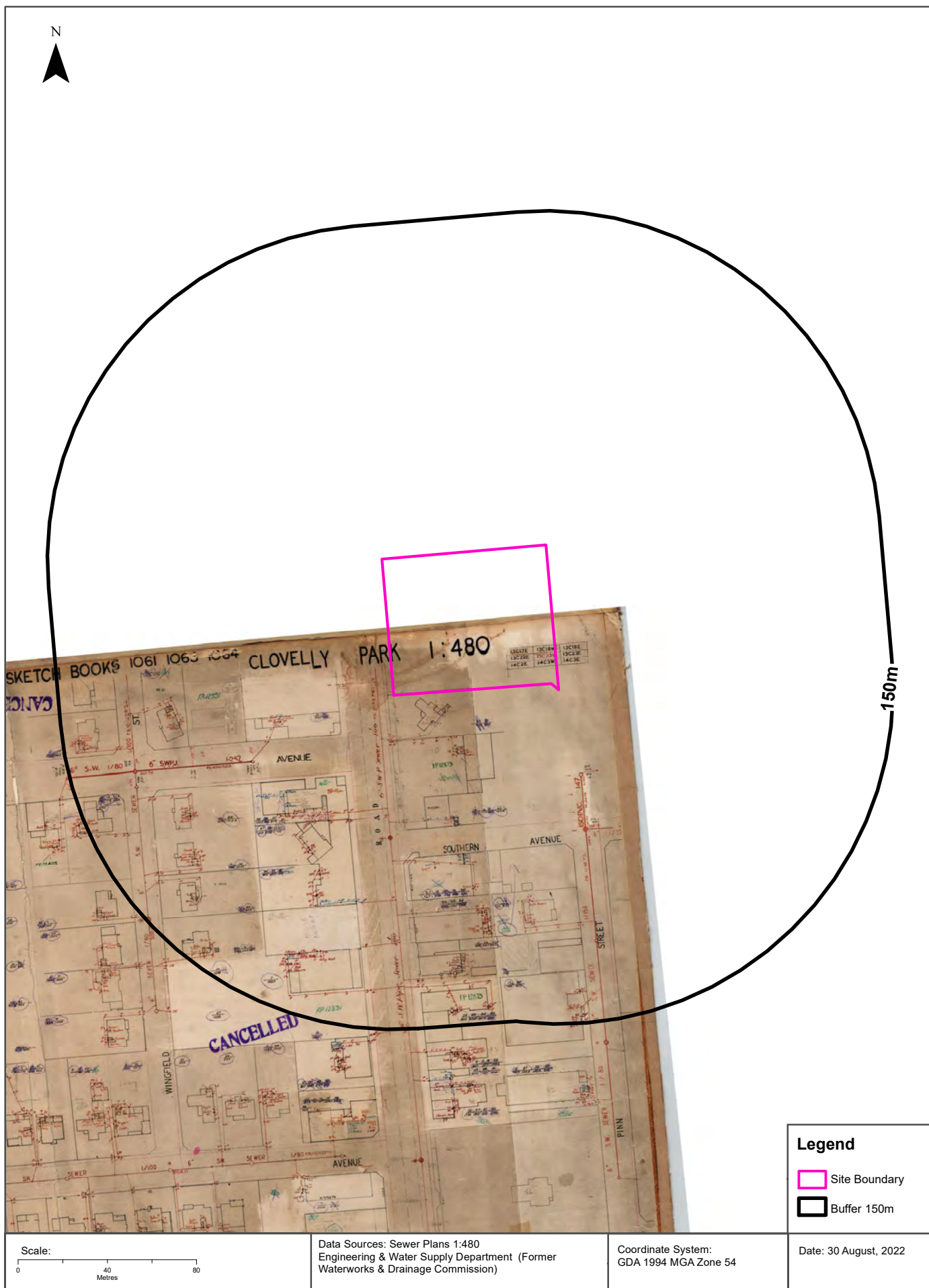
Data Sources: Sewer Plans 1:480
Engineering & Water Supply Department (Former
Waterworks & Drainage Commission)



Coordinate System:
GDA 1994 MGA Zone 54

Date: 30 August, 2022

Historical Map 1900-1970

1125 South Road, St Marys, SA 5042



Legend	
	Site Boundary
	Buffer 150m

<p>Scale:</p> 

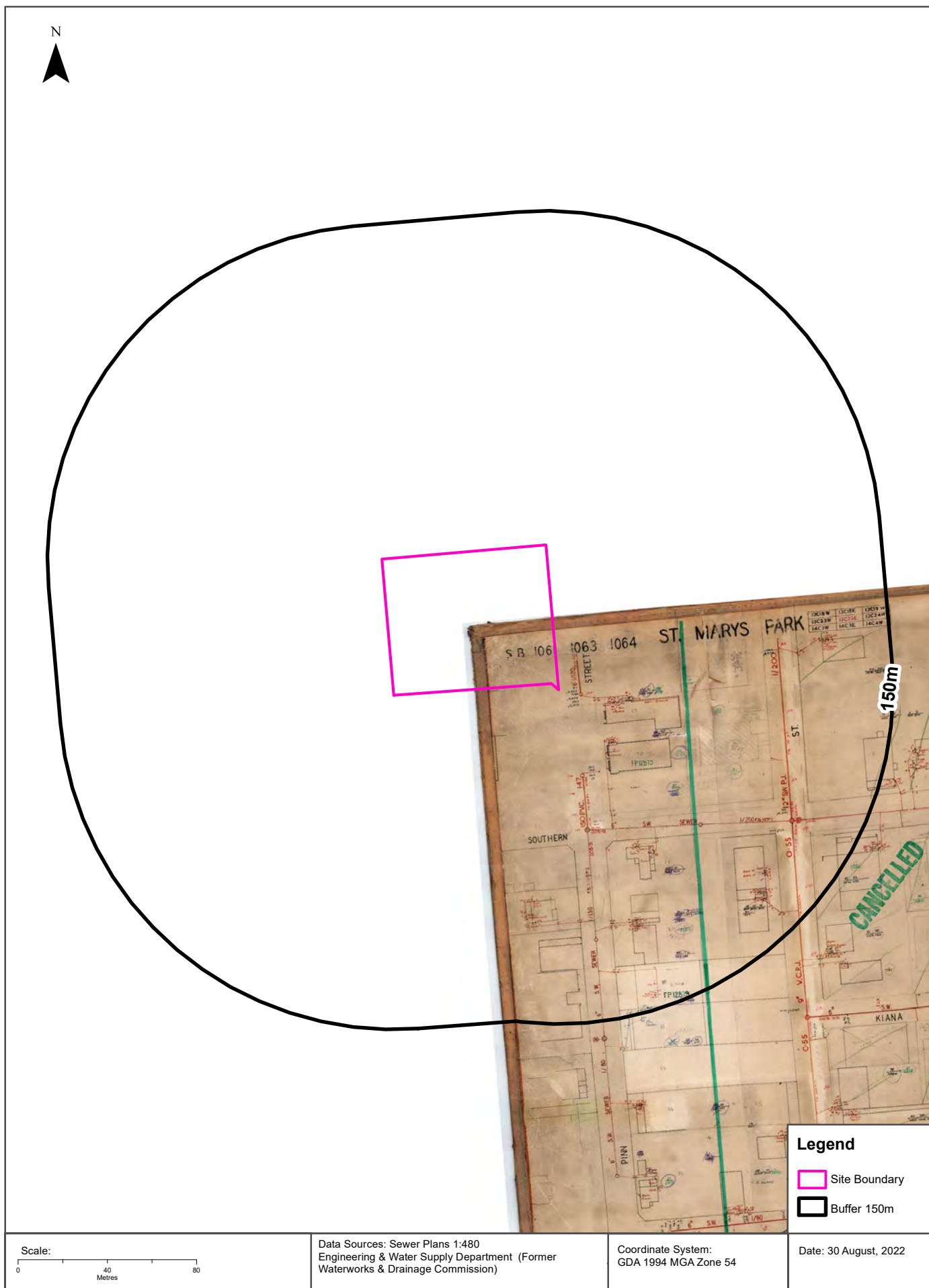
<p>Data Sources: Sewer Plans 1:480 Engineering & Water Supply Department (Former Waterworks & Drainage Commission)</p>
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<p>Coordinate System: GDA 1994 MGA Zone 54</p>

<p>Date: 30 August, 2022</p>

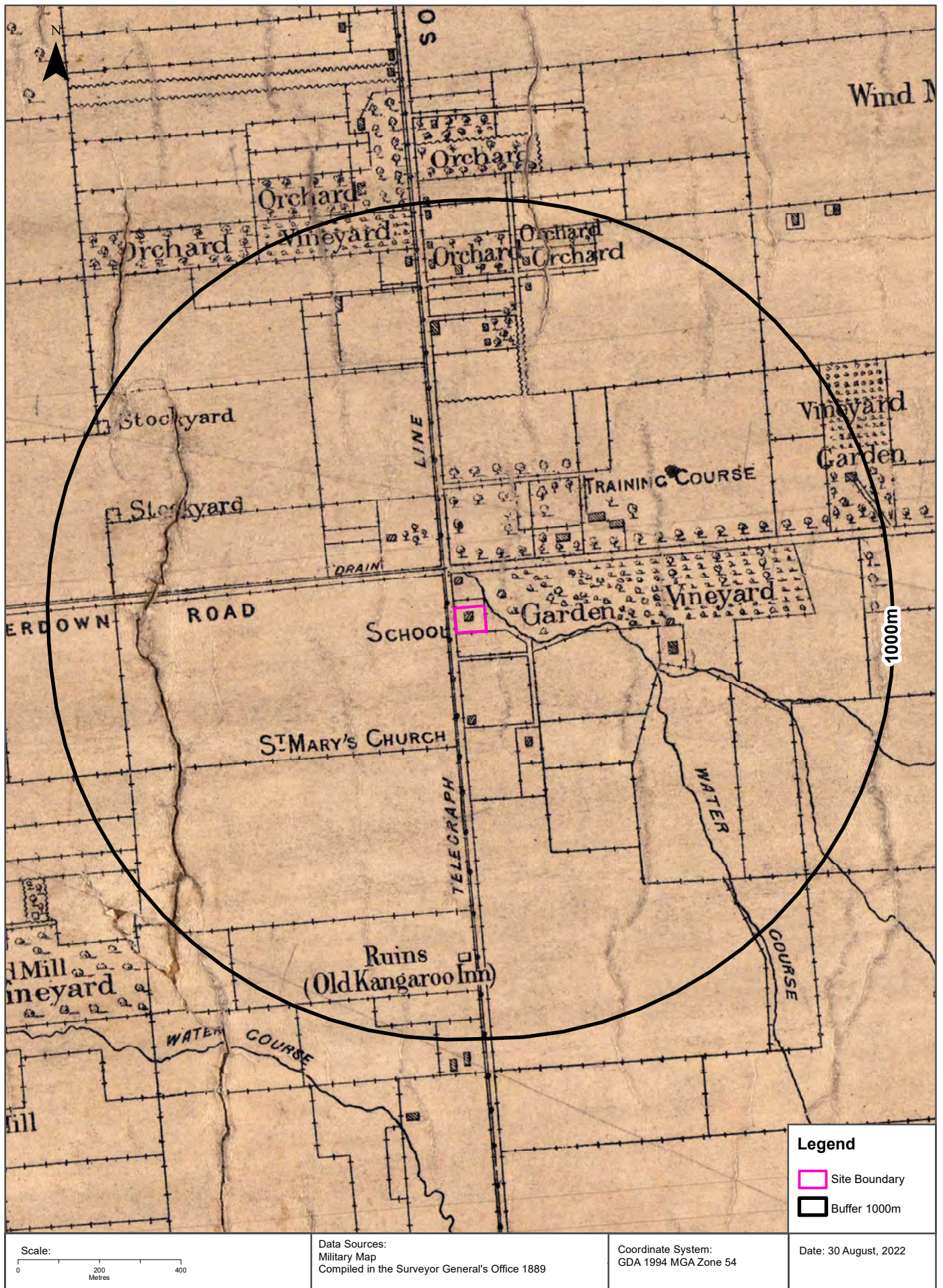
Historical Map 1900-1970

1125 South Road, St Marys, SA 5042



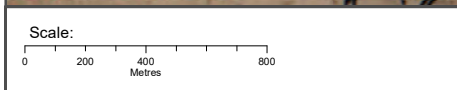
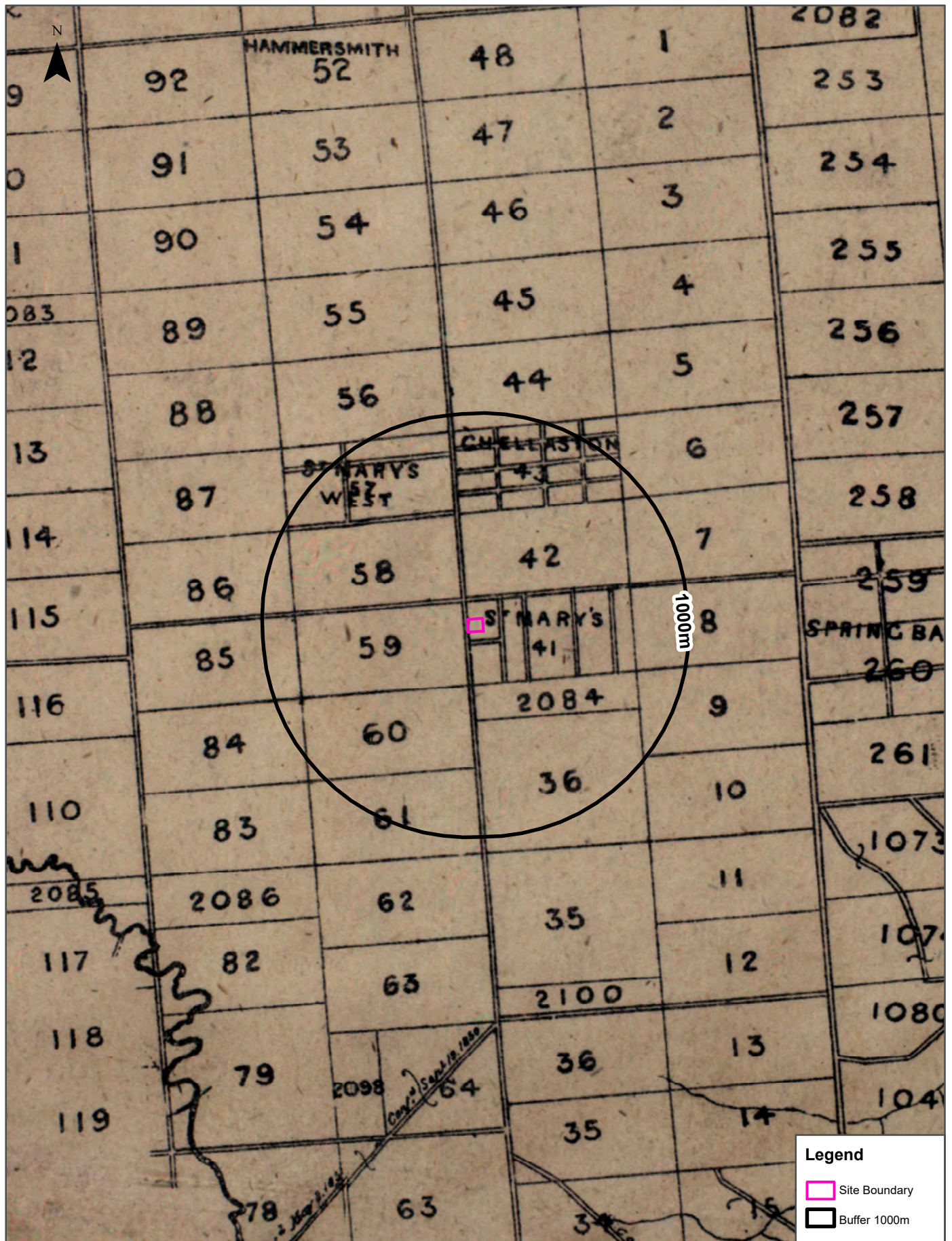
Historical Map 1889

1125 South Road, St Marys, SA 5042



Historical Map 1873

1125 South Road, St Marys, SA 5042



Data Sources: Hundred Map - Adelaide
Surveyor General's Office, Adelaide

Coordinate System:
GDA 1994 MGA Zone 54

Date: 30 August, 2022

Legend

- Site Boundary
- Buffer 1000m

Mining

1125 South Road, St Marys, SA 5042

Mines and Mineral Deposits

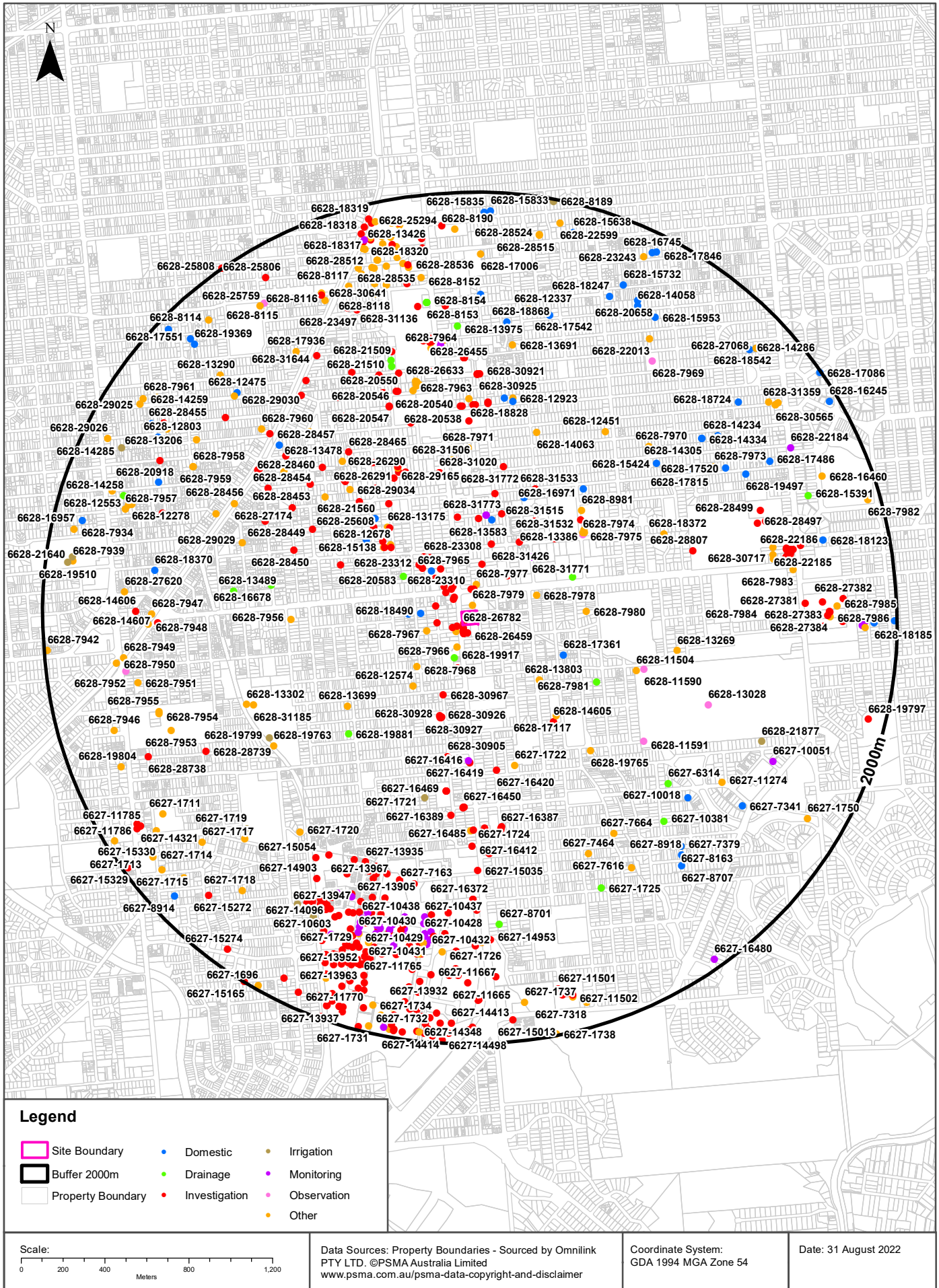
Mines and mineral deposits within the dataset buffer:

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

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

1125 South Road, St Marys, SA 5042



Groundwater and Drillholes

1125 South Road, St Marys, SA 5042

Groundwater Aquifers

Groundwater aquifers within the dataset buffer:

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

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

Drillholes within the dataset buffer:

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-31028	353560			Investigation	2020-12-03	38.50										0m	On-site
6628-31029	353561			Investigation	2020-12-04	20.00										0m	On-site
6628-31030	353562			Investigation	2020-12-07	17.00										0m	On-site
6628-31306	355298			Investigation	2020-11-26	6.00										0m	On-site
6628-26782	274744	MW 4	Backfilled	Investigation	2013-01-25	4.00							3.17	3.17		17m	South West
6628-28338	288992	MW 4		Investigation	2015-10-12	4.00							2.00	2.00		17m	South West
6628-28503	289712	MW 7		Investigation		5.00							3.00	3.00		27m	South West
6628-7979	54948				1946-07-22	51.82		31.11		942	1707	3.7900	19.66	19.66	11.45	27m	North
6628-26461	271009	MW 3	Backfilled	Investigation	2012-07-17	4.00										34m	South West
6628-28337	288991	MW 3		Investigation	2015-10-12	4.00							2.00	2.00		34m	South West
6628-26459	271007	MW 1	Backfilled	Investigation	2012-07-16	5.00							1.60	1.60		40m	South
6628-28335	288989	MW 1		Investigation	2015-10-12	4.00							2.10	2.10		40m	South
6628-26460	271008	MW 2	Backfilled	Investigation	2012-07-16	4.00							1.50	1.50		44m	South
6628-28336	288990	MW 2		Investigation	2015-10-12	4.00							2.00	2.00		44m	South
6628-26783	274745	MW 5			2013-01-25	4.00							2.45	2.45		45m	South West
6628-28502	289711	MW 6		Investigation	2016-04-27	5.00							3.00	3.00		50m	South West
6628-31500	360711		Backfilled	Investigation	2021-08-06	15.00										71m	North West
6628-31498	360707		Backfilled	Investigation	2021-08-13	28.00										78m	North West
6628-31161	354344		Backfilled	Investigation	2021-01-27	40.00										102m	North
6628-31502	360716		Backfilled	Investigation	2021-08-24	15.00										103m	North
6628-7966	54935	KINNAIRD HILL			1962-02-07	6.10		32.10		7364	12803		1.55	1.55	30.55	111m	South West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-31499	360710		Backfilled	Investigation	2021-08-09	15.00										118m	North West
6628-31076	353842			Investigation	2021-01-29	30.00										119m	West
6628-31504	360718		Backfilled	Investigation	2021-08-26	15.00										119m	North West
6628-31075	353841			Investigation	2021-01-27	30.00										125m	West
6628-7977	54946							31.48	8.30	500	909					126m	North
6628-28303	288877	MW 3		Investigation	2015-08-18	5.50							2.80	2.80		127m	North West
6628-28304	288878	MW 2		Investigation	2015-08-18	5.50							2.40	2.40		147m	North West
6628-19917	177397			Drainage	1999-11-11	18.00		32.65		3173	5660	1.0000	6.00	6.00	26.65	163m	South
6628-7967	54936		Backfilled		1952-01-23	124.97		30.26		343	624	7.5800	16.76	16.76	13.50	172m	West
6628-20516	184766			Domestic	2001-03-06	16.00		31.44		5167	9100	0.6000	3.00	3.00	28.44	188m	South West
6628-18490	164817		Operational	Domestic	1997-02-14	24.00		29.67		5749	10070		15.00	15.00	14.67	194m	West
6628-23314	236148	MW 7		Investigation	2007-11-19	4.50		30.18					2.50	2.50	27.68	201m	North West
6628-23311	236145	MW 4		Investigation	2007-11-19	4.50		30.18					2.40	2.40	27.78	202m	North West
6628-31078	353851			Investigation	2021-02-01	30.00										210m	South
6628-31424	360174		Dry	Investigation	2021-08-12	5.00										223m	North East
6628-31518	360766		Dry	Investigation	2021-09-09	8.00										223m	North
6628-23313	236147	MW 6		Investigation	2007-11-20	4.50		30.36					2.50	2.50	27.86	226m	North West
6628-7965	54934		Operational	Domestic	1934-08-09	67.06		30.02	7.40	849	1551	18.9500	20.73	20.73	9.29	242m	North West
6628-18543	165932			Domestic	1997-02-09	24.00		29.30					11.00	11.00	18.30	254m	West
6628-23310	236144	MW 3		Investigation	2007-11-20	4.50		29.72					2.40	2.40	27.32	279m	North West
6628-7978	54947					3.05		33.57	6.70	1715	3092		1.52	1.52	32.05	294m	East
6628-7968	54937					6.10		31.99	7.00	4145	7350		1.83	1.83	30.16	297m	South West
6628-23309	236143	MW 2		Investigation	2007-11-19	4.50		29.99					2.70	2.70	27.29	300m	North West
6628-23312	236146	MW 5		Investigation	2007-11-19	4.50		29.55					2.40	2.40	27.15	302m	North West
6628-31512	360739			Investigation	2021-09-08	6.00										312m	North
6628-31517	360765		Dry	Investigation	2021-09-09	6.00										312m	North
6628-23308	236142	MW 1		Investigation	2007-11-19	4.50		29.72					2.70	2.70	27.02	317m	North West
6628-20583	185665			Drainage	2001-04-09	13.50		28.88		2008	3610					325m	North West
6628-31426	360177		Dry	Investigation	2021-08-12	6.00										325m	North
6628-30967	352219			Investigation	2020-10-09	60.00										347m	South
6628-31771	368962		Dry	Monitoring	2022-04-22	7.00										366m	North East
6628-12574	59543				1983-11-28	28.00		32.50	8.20	2318	4160	0.2500	6.00	6.00	26.50	376m	South West
6628-31428	360179		Dry	Investigation	2021-08-13	5.30										385m	North East
6628-13803	60772				1986-10-24	30.00		34.84	8.10	5765	10099	0.5000	4.40	4.40	30.44	397m	South East

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-17361	151238			Domestic	1995-06-27	26.00		34.28	7.10	5574	9790					434m	East
6628-13583	60552		Operational	Domestic	1986-01-16	14.60		32.14	7.30	2318	4160	1.2500	3.00	3.00	29.14	441m	North
6628-31190	354660		Backfilled	Investigation	2021-01-08	40.00										441m	North
6628-30991	352825			Investigation	2020-11-19	17.00										450m	South
6628-31513	360740			Investigation	2021-09-08	6.00										450m	North
6628-30992	352826			Investigation	2020-10-09	42.00										451m	South
6628-30928	349713			Investigation	2020-10-13	17.00										452m	South
6628-25605	262385	GW 1		Investigation	2009-06-15	5.00							2.39	2.39		456m	North West
6628-30926	349711			Investigation	2020-10-12	17.00										456m	South
6628-30927	349712			Investigation	2020-10-09	42.00										457m	South
6628-31770	368961		Dry	Monitoring	2022-04-22	16.00										457m	North East
6628-31773	368965		Dry	Monitoring	2022-04-22	7.50										460m	North
6628-31774	368966		Dry	Monitoring	2022-04-20	16.00										460m	North
6628-12678	59647		Operational	Industrial	1983-12-02	49.00		27.83	7.70	805	1460	8.7500	18.60	18.60	9.23	464m	North West
6628-31425	360176		Dry	Investigation	2021-08-12	5.50										477m	North
6628-25606	262386	GW 2		Investigation	2009-06-15	6.00							2.77	2.77		479m	North West
6628-15138	62107		Operational	Industrial	1987-04-21	57.00		27.83		895	1622		0.00	0.00	27.83	483m	North West
6628-7976	54945		Operational	Drainage	1964-08-21	77.11		35.08				0.5100	19.20	19.20	15.88	484m	East
6628-25607	262387	GW 3		Investigation		5.10							2.31	2.31		502m	North West
6628-31427	360178		Dry	Investigation	2021-08-13	6.00										504m	North East
6628-31515	360742			Investigation	2021-09-09	5.50										508m	North East
6628-7980	54949					9.14		35.03	6.50	2900	5186		3.05	3.05	31.98	521m	East
6628-25610	262390	GW C		Investigation		5.00							2.35	2.35		527m	North West
6628-13175	60144		Operational	Industrial	1984-11-23	48.00		27.96	7.70	794	1440	4.3800	21.30	21.30	6.66	535m	North West
6628-25608	262388	GW A		Investigation		8.00							2.56	2.56		564m	North West
6628-31514	360741			Investigation	2021-09-09	6.00										564m	North
6628-17658	155114			Domestic	1996-01-15	13.50		27.03	6.90	4222	7480	1.0000				568m	North West
6628-17117	148665			Environmental; Recreational	1994-09-07	99.00		37.35	7.70	972	1761	1.0000				576m	South East
6628-25609	262389	GW B		Investigation		6.00							2.85	2.85		581m	North West
6628-15413	62382		Operational	Domestic	1990-12-26	7.50		33.44	7.60	1732	3120		6.00	6.00	27.44	585m	North East
6628-14605	61574	GH 110	Abandoned	Investigation	1984-03-15	9.75	38.00									588m	South East
6628-21560	198385			Domestic	2003-11-12	7.50		27.48		3868	6870	1.8750	4.00	4.00	23.48	606m	North West
6628-28452	289530	MW 11		Investigation	2016-05-17	5.00							2.00	2.00		617m	West
6628-7974	54943			Observation	1972-10-10	73.15	35.00		7.00	2008	3610	17.6800	37.68	37.68	-2.68	622m	North East

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-29168	301445	MW 43		Investigation	2017-10-02	6.00							3.50	3.50		623m	North West
6628-7975	54944					6.10		35.25	7.00	2008	3611	3.1300	2.74	2.74	32.51	627m	North East
6628-7981	54950		Operational	Drainage	1962-06-11	30.78		37.12								629m	South East
6628-30905	348363			Investigation	2020-09-23	8.00										635m	South
6628-13386	60355		Operational	Industrial	1985-04-09	150.00		35.68	7.80	793	1438	12.5000	22.20	22.20	13.48	636m	North East
6628-30907	348365		Backfilled	Investigation	2020-09-23	40.00										639m	South
6628-8980	55949		Backfilled		1978-07-08	111.00		35.36	7.90	772	1400	6.2500	36.00	36.00	-0.64	641m	North East
6628-31533	360943			Investigation	2021-10-06	5.50										644m	North East
6627-16419	354311			Monitoring	2021-02-12	8.00										651m	South
6627-16416	354300			Investigation	2021-02-11	24.00										658m	South
6628-31532	360942			Investigation	2021-10-06	6.00										659m	North East
6627-16417	354302			Investigation	2021-02-13	18.00										661m	South
6628-31779	369009		Backfilled	Investigation	2022-03-04	75.00										671m	North
6628-13699	60668		Backfilled		1986-01-16	14.60		30.71				0.2000	10.70	10.70	20.01	672m	South West
6628-31020	353518			Investigation	2020-12-01	40.00										672m	North
6628-8981	55950	PALM BEACH TOWEL CO			1978-08-15	66.00		35.74	7.90	1962	3530	8.7500	32.00	32.00	3.74	692m	North East
6627-1722	40142		Backfilled		1969-08-28	103.94		41.06	7.50	915	1660	0.6100	28.55	28.55	12.51	697m	South
6628-31772	368964		Dry	Investigation	2022-04-22	7.50										697m	North
6627-16420	354341		Backfilled	Investigation	2020-12-14	60.00										703m	South
6628-29165	301442	MW 40		Investigation	2017-06-29	5.50							3.00	3.00		714m	North West
6628-29163	301440	MW 42		Investigation	2017-10-02	6.00							2.50	2.50		715m	North West
6628-29164	301441	MW 41		Investigation	2017-09-29	6.00							3.00	3.00		718m	North West
6628-26290	269162	GW 1	Backfilled	Investigation	2012-01-09	7.50				1099	1990		6.00	6.00		720m	North West
6628-31506	360722			Investigation	2021-08-19	17.00										722m	North
6628-7972	54941							30.62		2645	4738					728m	North
6628-26291	269163	GW 2	Backfilled	Investigation	2012-01-09	7.50				1278	2310		6.50	6.50		730m	North West
6628-26842	274967	MW 4	Backfilled			7.00										751m	North West
6628-19881	174619			Drainage	1999-04-16	9.50		32.45		3712	6600	0.3000	3.50	3.50	28.95	753m	South West
6628-27449	280646	GW 1		Investigation		7.50				1121	2030		5.00	5.00		758m	North West
6628-16971	147783			Domestic	1995-01-20	16.50		35.88	6.90	1497	2701					772m	North East
6628-7971	54940					11.28	31.00			1587	2863	2.5300				777m	North
6628-11504	58473		Backfilled		1980-06-26	112.00	39.50					3.0000	28.80	28.80	10.70	788m	East
6628-29034	299966			Environmental	2017-01-17	5.00										789m	North West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6627-16469	360121		Dry	Investigation	2021-07-01	21.50										798m	South
6627-16470	360122		Dry	Investigation	2021-07-05	30.00										798m	South
6627-16471	360124			Investigation	2021-07-07	16.00										798m	South
6628-19765	40143					6.10		40.90	7.00	6755	11788	0.2500	2.13	2.13	38.77	808m	South East
6628-28449	289527	MW 8		Investigation	2016-05-17	6.00							2.10	2.10		814m	North West
6628-7956	54925				1949-01-01	60.96		25.74				2.5300				814m	West
6628-11590	58559		Backfilled	Observation	1980-11-06	57.00		40.40					27.00	27.00	13.40	821m	East
6628-29167	301444	MW 38		Investigation	2017-09-28	5.50							2.50	2.50		828m	North West
6628-28464	289542	MW 24		Investigation	2016-05-23	5.00							3.10	3.10		834m	North West
6628-29166	301443	MW 39		Investigation	2017-09-28	5.00							2.00	2.00		840m	North West
6627-1721	40141	MARION HIGH	Backfilled	Irrigation; Observation	1970-04-16	67.06	38.82	39.58	7.50	1119	1930	4.4198	35.79	36.55	3.03	847m	South
6628-28450	289528	MW 9		Investigation	2016-05-17	5.00							2.30	2.30		850m	West
6628-29033	299965			Environmental	2017-01-16	5.00										852m	North West
6627-16450	357264			Investigation	2021-07-01	8.00										872m	South
6627-16451	357296		Backfilled	Investigation	2021-06-30	40.00										872m	South
6627-16486	360719			Investigation	2021-07-01	8.00										876m	South
6628-14063	61032				1987-12-16	6.00		34.30	7.90	1995	3590	0.1500	4.00	4.00	30.30	896m	North
6628-20538	184865	MW 87		Investigation	1998-08-07	6.00		31.09					3.30	3.30	27.79	906m	North
6627-16389	352861		Backfilled	Investigation	2020-10-27	40.00										913m	South
6628-13478	60447				1985-10-03	10.90		26.33	7.20	2510	4500	1.0000	2.40	2.40	23.93	916m	North West
6628-16678	142375			Drainage	1993-12-23	15.20		24.80	7.50	6407	11180	1.2500				917m	West
6627-16253	333035			Investigation	2020-01-23	9.80										933m	South
6628-28465	289543	MW 25		Investigation	2016-05-23	5.00							2.30	2.30		933m	North West
6628-20545	184872	MW 80		Investigation	1998-08-05	6.00		28.84					2.00	2.00	26.84	934m	North
6628-28453	289531	MW 12		Investigation	2016-05-18	5.00							2.40	2.40		944m	North West
6628-28451	289529	MW 10		Investigation	2016-05-17	6.00							2.60	2.60		948m	North West
6628-28460	289538	MW 19		Investigation	2016-05-19	5.00							2.20	2.20		957m	North West
6628-13269	60238				1985-01-01	30.00		42.14								960m	East
6628-18372	164311			Environmental; Recreational	1997-04-28	27.50		40.14		2251	4040	1.2500	8.50	8.50	31.64	965m	North East
6628-11591	58560	CENTENIAL PARK CEMETERY		Observation	1981-02-09	66.00	41.99	41.67	7.10	556	1010	3.0000	34.25	33.93	7.74	970m	South East
6627-16488	360733		Backfilled	Investigation	2021-07-09	25.00										973m	South
6627-16443	355300			Investigation	2020-11-19	8.50										974m	South
6628-20540	184867	MW 85		Investigation	1998-08-07	6.00		30.67					3.10	3.10	27.57	978m	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
6627-16387	352819		Backfilled	Investigation	2020-10-08	60.00										980m	South
6628-20539	184866	MW 86		Investigation	1998-08-07	14.00		30.73					3.60	3.60	27.13	980m	North
6627-16485	360705		Backfilled	Investigation	2021-08-25	20.00										982m	South
6627-1724	40144				1944-01-01	60.66		45.88		1073	1943	3.7900	31.09	31.09	14.79	984m	South
6628-20541	184868	MW 84		Investigation	1998-08-06	14.00		31.33					4.20	4.20	27.13	984m	North
6628-20542	184869	MW 83		Investigation	1998-08-06	6.00		31.22					3.30	3.30	27.92	984m	North
6627-16377	349710			Investigation	2020-10-13	60.00										988m	South
6628-20543	184870	MW 82		Investigation	1998-08-06	14.00		31.87					5.50	5.50	26.37	991m	North
6628-20544	184871	MW 81		Investigation	1998-08-05	6.00		31.87					3.80	3.80	28.07	995m	North
6628-29352	306503			Environmental	2018-01-20	5.50										1012m	North
6628-18828	167962			Domestic	1998-01-29	21.00		33.04		1367	2470	0.5000	6.00	6.00	27.04	1016m	North
6628-13289	60258		Operational	Domestic	1984-11-16	11.00		32.61	8.60	1446	2610	1.5000	3.70	3.70	28.91	1023m	North
6628-12923	59892				1984-01-21	9.00		33.02					3.00	3.00	30.02	1029m	North
6628-28462	289540	MW 21		Investigation	2016-05-20	5.00							2.90	2.90		1031m	North West
6628-20546	184873	MW 79		Investigation	1998-08-05	14.00		27.72					4.40	4.40	23.32	1038m	North
6628-20547	184874	MW 78		Investigation	1998-08-05	6.00		27.73					2.40	2.40	25.33	1042m	North
6628-12451	59420				1983-05-15	15.00		37.72					7.00	7.00	30.72	1053m	North East
6627-16412	353937			Investigation	2021-02-03	30.00										1059m	South
6628-31185	354398				2020-12-14	56.00				1062	1922	10.0000	22.00	22.00		1068m	West
6628-19799	46764	CLOVELL PARK PRIMARY	Operational	Irrigation	1990-11-01	62.00		29.69	7.45	1046	1895	2.0000	17.00	17.00	12.69	1069m	South West
6628-28807	293975	MW 6		Investigation	2016-12-07	14.50							10.30	10.30		1069m	East
6628-19763	40130	MITCHELL PARKA	Backfilled		1967-12-20	64.62		30.14		1066	1930	1.1000	23.00	23.00	7.14	1071m	South West
6628-29031	299963			Environmental	2017-01-16	5.00										1079m	North West
6628-7963	54932						28.00			1456	2629	1.5200	3.35	3.35	24.65	1083m	North
6628-31646	364289			Investigation	2021-12-21	4.50										1087m	North West
6628-20549	184876	MW 76		Investigation	1998-08-04	6.00		27.59					2.20	2.20	25.39	1091m	North
6628-13489	60458			Drainage	1985-07-05	9.00		23.54					2.00	2.00	21.54	1092m	West
6628-20548	184875	MW 77		Investigation	1998-08-05	14.00		27.50					2.90	2.90	24.60	1094m	North
6628-20550	184877	MW 75		Investigation	1998-08-04	14.00		28.22					2.90	2.90	25.32	1095m	North
6628-28454	289532	MW 13		Investigation		5.00							2.20	2.20		1096m	North West
6628-29029	299961			Environmental	2017-01-19	6.00										1096m	West
6627-16413	353970			Investigation	2021-02-05	30.00										1097m	South
6628-20551	184878	MW 74		Investigation	1998-08-04	6.00		28.14					2.60	2.60	25.54	1097m	North
6628-30451	327327		Backfilled													1099m	North

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-13302	60271		Backfilled	Recreational	1984-07-01	48.00		25.38		1118	2024	10.0000	25.00	25.00	0.38	1100 m	West
6628-30452	327328		Backfilled													1102 m	North
6628-30454	327330		Backfilled													1109 m	North
6628-15424	62393		Operational	Domestic	1991-01-07	15.50	40.00		7.80	1525	2751	1.0000	9.50	9.50	30.50	1110 m	North East
6628-23547	238641			Investigation	2007-08-07	6.00		27.57					3.00	3.00	24.57	1111 m	North
6628-30453	327329		Backfilled													1117 m	North
6628-28466	289544	MW 26		Investigation	2016-05-23	5.00							2.20	2.20		1123 m	North West
6628-30455	327331		Backfilled													1123 m	North
6628-29032	299964			Environmental	2017-01-16	5.00										1126 m	North West
6628-30922	349609			Investigation	2020-10-19	23.00										1128 m	North
6628-30921	349593			Investigation	2020-10-15	40.00										1131 m	North
6628-30925	349612			Investigation	2020-10-16	23.00										1132 m	North
6628-31650	364504			Investigation	2021-11-19	60.00						4.0000				1132 m	North
6628-7970	54939					10.67		40.00		1055	1911		9.14	9.14	30.86	1137 m	North East
6628-31497	360706		Backfilled	Investigation	2021-08-04	30.00										1164 m	North
6628-13028	59997			Observation	1984-09-06	28.00	51.29	51.33	7.70	994	1800	0.0000	-1.00	-0.96	52.29	1166 m	East
6627-15035	285942	BH 82		Investigation	2015-08-21	20.00										1177 m	South
6628-17843	156158			Domestic	1996-02-28	17.00		23.81	7.50	1468	2650	0.4000				1179 m	North West
6628-26633	272929	MW 90		Investigation	2012-04-02	6.00							4.10	4.10		1179 m	North
6628-28461	289539	MW 20		Investigation	2015-05-20	5.00							2.20	2.20		1180 m	North West
6628-23546	238640			Investigation	2007-08-07	6.00		27.50					3.00	3.00	24.50	1181 m	North
6628-26634	272930	MW 91		Investigation	2012-04-02	6.00				863	1566		3.90	3.90		1184 m	North West
6628-28467	289545	MW 22		Investigation	2016-05-20	5.00							2.50	2.50		1184 m	North West
6627-6314	44734		Operational	Drainage	1981-06-05	15.60		54.98								1185 m	South East
6627-7664	46084	SZ 71			1986-10-06	34.00	3.00		8.30	1602	2890	1.5000	0.00	0.00	3.00	1192 m	South East
6628-23545	238639			Investigation	2007-07-08	6.00		27.48					3.00	3.00	24.48	1196 m	North
6628-27174	279189				2014-01-30	20.00							4.00	4.00		1199 m	North West
6628-30996	352832		Backfilled	Investigation	2020-11-09	40.00										1210 m	North
6628-31123	354253		Backfilled	Investigation	2020-11-09	60.00										1210 m	North
6628-31124	354258		Backfilled	Investigation	2020-11-09	60.00										1210 m	North
6628-31164	354347		Backfilled	Investigation	2020-11-09	60.00										1210 m	North
6628-31416	360125			Investigation	2021-08-05	28.00							5.00	5.00		1210 m	North
6627-7464	45884		Backfilled		1985-11-01	48.80		51.95	7.50	6055	10588	1.5000	15.20	15.20	36.75	1215 m	South East
6628-21510	198139			Drainage		18.00		28.02		1418	2560	2.0000	7.00	7.00	21.02	1219 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
6627-13935	246899	MWS 15 03	Backfilled	Investigation	2008-12-10	11.00		41.25								1225 m	South West
6627-15067	286717	MWS 15 20	Backfilled	Investigation	2015-08-07	11.00							8.23	8.23		1227 m	South
6628-17815	156095			Domestic	1996-04-01	23.00		42.15	6.80	1496	2700	1.0000				1232 m	North East
6627-15071	286721	MWS 15 19	Backfilled	Investigation	2015-08-10	20.00							7.11	7.11		1234 m	South West
6627-15066	286716	MWS 15/21		Investigation	2015-08-10	14.00							8.40	8.40		1243 m	South
6628-21509	198138			Drainage	2003-07-15	24.00		27.98		1642	2960	2.0000	7.20	7.20	20.78	1245 m	North
6628-28457	289535	MW 16		Investigation	2016-05-19	5.00							2.80	2.80		1248 m	North West
6627-13966	246930	MWS 15 01		Investigation	2008-10-14	12.00		44.05					8.40	8.40	35.65	1257 m	South
6628-31647	364290			Investigation	2021-12-21	4.50										1257 m	North West
6627-15101	288200			Investigation	2016-01-21	27.80										1258 m	South
6627-15065	286715	MWS 15 16	Backfilled	Investigation	2015-08-07	11.00							7.70	7.70		1259 m	South
6627-1720	40140				1945-01-01	54.86		35.60		1100	1992	3.1600				1259 m	South West
6627-13936	246900	MWS 03 01		Investigation	2008-12-10	11.00		45.37								1261 m	South
6628-29028	299960			Environmental	2017-01-18	5.00										1262 m	West
6628-7964	54933					6.40		29.64		5920	10390		6.10	6.10	23.54	1266 m	North
6627-14904	280985	MW S15 6	Backfilled	Investigation	2014-08-27	16.00										1271 m	South West
6627-7163	45583			Observation	1984-09-03	12.00	43.96	43.00		764	1386	0.0000	5.30	4.34	38.66	1271 m	South
6628-30616	334019			Monitoring	2020-03-03	8.00										1279 m	North
6628-13691	60660				1986-05-01	8.23		33.45	7.40	1289	2330		0.00	0.00	33.45	1281 m	North
6628-31642	364285			Investigation	2021-12-20	4.50										1285 m	North West
6628-31516	360756		Backfilled	Investigation	2021-08-06	30.00										1286 m	North
6627-13967	246931	MWS 15 02	Backfilled	Investigation	2008-10-14	12.00		42.94					8.30	8.30	34.64	1287 m	South
6628-7960	54929					7.62	22.00		7.00	2415	4332	0.3800	2.44	2.44	19.56	1293 m	North West
6627-10381	183993			Drainage	2000-06-23	32.00		59.55				0.3000	3.00	3.00	56.55	1294 m	South East
6628-26456	271004	MW 3	Backfilled	Investigation	2012-07-13	6.50							4.50	4.50		1297 m	North
6628-28305	288879	MW 3		Investigation	2015-10-16	6.50							4.60	4.60		1300 m	North
6628-30614	334015			Environmental	2020-03-03	8.00										1300 m	North
6628-30615	334016			Monitoring	2020-03-03	8.00										1300 m	North
6627-10018	174951		Abandoned	Domestic	1999-04-15	30.00		60.37		3224	5750	1.0000	16.00	16.00	44.37	1301 m	South East
6628-26457	271005	MW 4	Backfilled	Investigation	2012-07-13	6.50										1303 m	North
6628-29683	312602			Investigation	2018-05-28	6.50										1307 m	North
6628-26455	271003	MW 2	Backfilled	Investigation	2012-07-12	6.50							4.80	4.80		1309 m	North
6627-14897	280978	MW S15 8	Backfilled	Investigation		12.00							6.50	6.50		1312 m	South West
6627-16374	348527		Backfilled	Investigation	2020-09-28	40.00										1312 m	South

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-26454	271002	MW 1		Investigation	2012-07-13	7.00							5.20	5.20		1312 m	North
6628-28973	298248	MW 4		Investigation	2017-04-24	6.50							4.50	4.50		1312 m	North
6627-15054	286704	MWS 15 17	Backfilled	Investigation	2015-08-11	10.00							5.18	5.18		1314 m	South West
6627-16372	348279			Investigation	2020-10-01	14.00										1314 m	South
6628-28109	288284	MW 2		Investigation	2015-10-13	6.70										1315 m	North
6628-28108	288283	MW 1		Investigation	2015-10-13	6.50										1316 m	North
6628-29682	312601			Investigation	2018-05-29	6.50										1324 m	North
6628-7973	54942					78.64		43.05		642	1167	1.2600	48.16	48.16	-5.11	1325 m	North East
6628-31643	364286			Investigation	2021-12-20	4.50										1331 m	North West
6628-28456	289534	MW 15		Investigation	2016-05-18	6.00							3.00	3.00		1334 m	North West
6627-15056	286706	MWS 15 15	Backfilled	Investigation	2015-08-07	13.00							7.19	7.19		1336 m	South
6628-7984	54953	DAWS ROAD HIGH		Observation	1968-08-24	125.58	46.38	46.54	7.00	1070	1938	5.0512	34.56	34.73	11.82	1336 m	East
6628-14305	61274		Operational	Domestic	1988-10-24	18.80		43.38	7.50	1289	2330	1.2000	9.10	9.10	34.28	1353 m	North East
6628-14334	61303		Operational	Domestic	1988-10-25	15.20		43.38	7.20	1390	2509	1.2000	9.10	9.10	34.28	1353 m	North East
6627-13941	246905	MWS 12 02		Investigation	2008-12-16	11.00		45.29					9.00	9.00	36.29	1358 m	South
6628-31645	364288			Investigation	2021-12-21	4.50										1360 m	North West
6628-13975	60944		Operational	Drainage	1986-08-20	12.80		30.81				1.0000	4.60	4.60	26.21	1364 m	North
6627-14016	247867	MWS 09 02		Investigation	2009-03-23	15.00										1365 m	South
6628-28739	291495	BSE DW 17		Investigation	2016-08-29	13.00										1365 m	South West
6628-17520	153393			Domestic	1995-12-20	22.30		43.64	7.60	1390	2510	1.0000				1369 m	North East
6627-13905	246807	SB/MW 16A		Investigation	2007-03-06	12.80		44.83					11.00	11.00	33.83	1371 m	South
6628-28806	293974	MW 5		Investigation	2016-12-06	12.50							8.70	8.70		1372 m	East
6627-7616	46036				1984-03-30	33.00		60.64								1376 m	South East
6627-13958	246922	MWS 05 02		Investigation	2008-09-18	14.00		50.08					9.20	9.20	40.88	1379 m	South
6628-18868	168289			Domestic	1998-02-18	24.00		33.01		1088	1970	0.3500	12.00	12.00	21.01	1383 m	North
6627-11274	209665				2004-05-15	36.00		62.84		2602	4660					1389 m	South East
6627-15068	286718	MWS 15 14	Backfilled	Investigation	2015-08-06	11.00							6.89	6.89		1390 m	South West
6627-1725	40145		Operational	Drainage	1963-08-29	5.18		57.89								1391 m	South East
6627-13959	246923	MWS 05 03		Investigation	2008-09-11	14.00		48.71					8.30	8.30	40.41	1395 m	South
6627-14903	280984	MW S15 7	Backfilled	Investigation	2014-08-27	16.00							6.70	6.70		1397 m	South West
6627-15811	326079			Monitoring	2017-02-09	12.50										1402 m	South West
6628-28497	289685	MW 2		Investigation	2016-09-01	20.00							12.00	12.00		1402 m	East
6628-31644	364287			Investigation	2021-12-20	4.50										1405 m	North West
6627-15362	291282			Investigation	2017-02-09	12.50										1406 m	South West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6627-10437	184853	MW 12		Monitoring	1998-01-15	14.00		48.34								1407 m	South
6627-14898	280979	MW S159	Backfilled	Investigation	2014-08-28	17.00							8.20	8.20		1409 m	South
6627-15060	286710	MWS 1512	Backfilled	Investigation	2015-08-13	12.00							8.51	8.51		1414 m	South
6627-15103	288202			Investigation	2016-01-25	21.00										1415 m	South
6627-11333	214160			Monitoring	2005-11-03	20.00		40.15					12.00	12.00	28.15	1416 m	South West
6627-1719	40139	MITCHELL PARK RESERVE	Backfilled	Irrigation	1967-07-01	70.10		32.01	7.50	1390	2511	6.3200	21.34	21.34	10.67	1416 m	South West
6627-10438	184854	MW 13		Monitoring	1998-01-15	14.00		47.26					12.00	12.00	35.26	1421 m	South
6628-14234	61203		Operational	Domestic	1988-05-02	15.00		44.31	7.80	1311	2370	1.0000	10.30	10.30	34.01	1421 m	North East
6627-14863	279149	GW 9	Backfilled			12.00										1432 m	South
6627-15441	297234			Investigation	2017-08-10	13.00										1436 m	South
6628-28499	289687	MW 1		Investigation	2016-08-31	22.00							12.00	12.00		1436 m	East
6628-30718	336149		Backfilled													1436 m	East
6627-8701	131891			Drainage	1993-02-17	18.00		54.80		1939	3490	0.4000				1437 m	South
6627-7379	45799				1985-07-03	38.58		67.39	8.30	1535	2770	3.7500	2.10	2.10	65.29	1438 m	South East
6627-8163	46583		Operational	Domestic	1990-02-17	42.00		67.39	7.90	1484	2679	3.0000	2.10	2.10	65.29	1438 m	South East
6628-30717	336148		Backfilled													1438 m	East
6628-19497	175131			Domestic	1999-05-16	30.00		44.53		1625	2930	0.5000	9.00	9.00	35.53	1439 m	North East
6627-10430	184839	MW 6		Monitoring	1997-08-28	15.00		48.78					11.00	11.00	37.78	1440 m	South
6628-28805	293973	MW 4		Investigation	2016-12-08	15.50							10.50	10.50		1443 m	East
6627-14097	248331	MWS1504	Backfilled	Investigation	2009-04-08	10.00										1444 m	South West
6627-15063	286713	MWS 15/11	Backfilled	Investigation	2015-08-13	12.50							8.98	8.98		1444 m	South
6628-30719	336150		Backfilled													1446 m	East
6627-15824	326092			Monitoring	2017-03-20	16.00										1449 m	South
6628-14607	61576	GH 112	Abandoned	Investigation	1984-03-16	5.25	22.00									1449 m	West
6627-13940	246904	MWS 1203	Backfilled	Investigation	2009-01-06	12.50		46.98								1450 m	South
6628-17542	153482			Domestic	1996-01-08	16.00		35.03	7.10	1154	2090					1453 m	North
6628-7958	54927					7.32		21.02		3769	6701					1455 m	North West
6628-7959	54928					8.53		21.02		3241	5782					1455 m	North West
6628-7969	54938	EWS 95	Backfilled	Observation	1951-09-21	64.01	40.49	40.49	8.20	775	1406	10.1000	32.09	32.09	8.40	1456 m	North East
6627-14282	259438	MW S I510		Investigation		12.00							6.58	6.58		1457 m	South
6627-15389	291492	BSE DW14			2016-08-23	13.60				1664	3000					1458 m	South West
6628-28458	289536	MW 17		Investigation	2016-05-19	5.00							2.70	2.70		1459 m	North West
6627-13965	246929	MWS 0903		Investigation	2008-09-30	13.00		47.68					9.80	9.80	37.88	1461 m	South

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-12337	59306				1983-06-21	8.80		34.12	7.00	1317	2380		6.40	6.40	27.72	1462 m	North
6628-31842	369301		Backfilled	Investigation	2022-03-07	70.00										1462 m	North
6628-21877	201565			Irrigation	2004-10-22	70.20		68.94		1895	3410	1.0000	-0.70	-0.70	69.64	1466 m	South East
6627-15061	286711	MWS 12/03A		Investigation	2015-08-14	15.00							8.98	8.98		1467 m	South
6627-15819	326087			Monitoring	2017-03-16	12.00										1470 m	South
6627-15102	288201			Investigation	2016-01-22	23.00										1471 m	South
6627-8918	145562			Domestic	1994-09-02	42.00		69.22	7.60	1569	2830	2.5000				1471 m	South East
6628-17936	159519							24.00								1471 m	North West
6627-14195	253630	MWS 19 17		Investigation	2010-01-15	7.00							6.00	6.00		1473 m	South West
6627-15813	326081			Monitoring	2017-03-06	13.00										1473 m	South
6628-31136	354271		Backfilled	Investigation	2020-12-15	40.00										1473 m	North
6627-10436	184850	MW 11		Monitoring	1998-01-15	14.00		49.57					11.00	11.00	38.57	1475 m	South
6627-14198	253633	MWS 19 20	Backfilled	Investigation	2010-01-19	7.50							5.70	5.70		1475 m	South West
6627-15059	286709	MWS 15 13	Backfilled	Investigation	2015-08-06	11.00							6.49	6.49		1476 m	South
6627-15069	286719	MWS 15/18		Investigation	2015-08-12	20.00							10.20	10.20		1476 m	South
6627-13957	246921	MWS 05 01		Investigation	2008-09-18	14.00		50.64					8.20	8.20	42.44	1477 m	South
6627-14104	248338	MWS15 05	Backfilled	Investigation	2009-04-22	9.00										1477 m	South West
6628-18370	164309			Domestic	1997-01-20	15.00		21.24					3.00	3.00	18.24	1477 m	West
6628-7947	54916	ASCOT PARK BRIDGE 1	Unknown		1970-12-11	18.75	23.00		8.00	3738	6644	0.1300				1478 m	West
6628-7953	54922				1958-09-02	67.06		24.77		1213	2196	13.8900	12.19	12.19	12.58	1480 m	West
6627-10798	196764			Domestic	2003-05-03	40.00		69.88		1513	2730	1.0000	5.20	5.20	64.68	1481 m	South East
6627-15823	326091			Monitoring	2017-03-21	12.50										1481 m	South
6627-10434	184847	MW 9		Monitoring	1998-01-13	14.00		47.90					11.00	11.00	36.90	1482 m	South
6628-26010	266436	MW 23	Backfilled		2011-06-02	17.00										1482 m	East
6627-14194	253629	MWS 19 16			2010-01-13	7.00							5.90	5.90		1486 m	South West
6627-14103	248337	MWS19 08		Investigation	2009-04-22	9.00							7.00	7.00		1487 m	South West
6628-8153	55122		Operational	Drainage	1965-06-10	7.32		29.48								1487 m	North
6628-8154	55123		Operational	Drainage	1965-06-10	7.32		29.48								1487 m	North
6628-8155	55124		Operational	Drainage	1965-06-10	7.32		29.48								1487 m	North
6628-8156	55125		Operational	Drainage	1965-06-10	7.32		29.48								1487 m	North
6627-16523	364276			Investigation	2021-12-20	14.50										1488 m	South
6627-10428	184837	MW 4		Monitoring	1997-08-25	15.00		49.23								1489 m	South
6628-29030	299962			Environmental	2017-01-18	5.00										1494 m	North West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6627-14099	248333	MWS19 06	Backfilled	Investigation	2009-04-09	9.00							7.00	7.00		1495 m	South West
6628-7948	54917	ASCOT PARK BRIDGE 4	Unknown		1971-02-12	15.70	23.00		8.00	4752	8392	0.1300	4.27	4.27	18.73	1495 m	West
6627-11774	240304	GW 28		Investigation	2008-05-12	15.50		45.20					10.70	10.70	34.50	1496 m	South
6627-13960	246924	MWS 05 04	Backfilled	Investigation	2008-09-11	14.00		49.82					8.30	8.30	41.52	1496 m	South
6627-15820	326088			Monitoring	2017-03-15	16.00										1496 m	South
6627-14096	248330	MWS 19 04		Investigation	2009-04-08	9.50							7.50	7.50		1498 m	South West
6627-14188	253623	MWS 19 08		Investigation	2010-01-11	11.00										1498 m	South West
6627-15812	326080			Monitoring	2017-03-07	14.00										1498 m	South
6628-12475	59444		Operational	Domestic		7.30		21.89	7.40	2058	3700		2.40	2.40	19.49	1498 m	North West
6628-30522	332572		Backfilled	Investigation	2019-11-22	16.00										1498 m	East
6627-14190	253625	MWS 19 10	Backfilled	Investigation	2009-12-11	7.50							5.00	5.00		1499 m	South West
6627-10432	184842	MW 3R		Monitoring	1998-01-15	14.00		49.30					11.00	11.00	38.30	1500 m	South
6627-13947	246911	MWS 19 01		Investigation	2008-11-07	8.00		40.13					5.20	5.20	34.93	1501 m	South West
6628-26808	274873	MW 17	Backfilled	Investigation	2012-12-13	8.52										1501 m	East
6627-14216	254840	MWS19 13		Investigation	2009-12-14	7.00							5.25	5.25		1502 m	South West
6627-14189	253624	MWS 19 09		Investigation	2009-12-11	8.00							5.40	5.40		1503 m	South West
6627-15815	326083			Monitoring	2017-03-09	17.00										1503 m	South
6627-15825	326093			Monitoring	2017-03-22	12.50										1503 m	South
6628-28459	289537	MW 18		Investigation	2016-05-19	5.00							4.10	4.10		1503 m	West
6627-14100	248334	MWS12 05	Backfilled	Investigation	2009-04-09	14.00										1506 m	South
6628-22698	219866			Investigation	2006-10-16	15.00		46.63					13.70	13.70	32.93	1506 m	East
6628-7955	54924	HAMILTON HIGH			1973-06-30	70.00		24.02	7.09	1418	2560	7.5000	13.36	13.36	10.66	1506 m	West
6627-15799	316886			Investigation	2019-04-24	14.70										1507 m	South
6628-28498	289686	MW 3		Investigation	2016-08-31	16.00							14.00	14.00		1507 m	East
6628-28705	291346					11.60			7.36	1765	3180		3.60	3.60		1507 m	North West
6627-14102	248336	MWS19 07		Investigation	2009-04-22	9.00							7.00	7.00		1508 m	South West
6628-13083	60052		Operational	Domestic	1984-10-22	14.50		31.87	7.80	1194	2160	1.5000	4.00	4.00	27.87	1508 m	North
6627-14953	284424		Backfilled	Investigation	2015-01-08	20.00										1509 m	South
6627-1736	40156	CHRYSLER 8	Unknown		1963-02-05	9.14		47.90								1509 m	South
6627-8707	131897			Domestic	1993-05-06	66.20		70.96	7.50	1653	2980	2.5000	5.70	5.70	65.26	1509 m	South East
6628-30524	332574		Backfilled	Investigation	2019-11-22	16.00										1509 m	East
6627-15036	285943		Backfilled	Investigation	2015-08-17	20.00										1510 m	South
6627-15058	286708	MWS 12/01A		Investigation	2015-08-12	15.50							8.61	8.61		1510 m	South

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-26007	266433	MW 21	Backfilled	Investigation	2011-06-15	17.00										1510 m	East
6628-7954	54923		Backfilled		1947-01-01	74.07		24.03	7.00	1115	2018	6.3200	16.76	16.76	7.27	1510 m	West
6627-10433	184844	MW 8		Monitoring	1998-01-12	14.00		48.26					11.10	11.10	37.16	1511 m	South
6627-14899	280980	MW S169		Investigation		12.00							6.70	6.70		1511 m	South West
6627-14215	254839	MWS1912		Investigation	2009-12-15	7.00							5.70	5.70		1512 m	South West
6628-22697	219865			Investigation	2006-10-16	15.00		46.79					13.60	13.60	33.19	1512 m	East
6627-15818	326086			Monitoring	2017-03-14	14.00										1514 m	South
6628-30525	332575			Investigation	2019-11-28	16.00										1514 m	East
6627-10429	184838	MW 5		Monitoring	1997-08-25	15.00		49.74					11.80	11.80	37.94	1515 m	South
6627-14098	248332	MWS1905		Investigation	2009-04-08	9.00							7.00	7.00		1516 m	South West
6628-22185	206192			Monitoring	2005-06-01	15.50		46.81		5451	9580	0.0000	13.06	13.06	33.75	1517 m	East
6628-22186	206193			Monitoring	2005-06-02	15.50		46.81		5777	10120	0.0000	13.00	13.00	33.81	1517 m	East
6628-26009	266435	MW 22		Investigation	2011-08-25	17.00							14.20	14.20		1517 m	East
6628-27133	278533	MW 3A		Investigation	2013-07-12	16.00							14.00	14.00		1517 m	East
6627-16524	364277			Investigation	2021-12-20	14.50										1518 m	South
6627-13925	246889			Investigation				45.94								1520 m	South
6627-13956	246920	MWS 1201		Investigation	2008-10-01	11.50		45.94					9.10	9.10	36.84	1520 m	South
6628-26013	266439	MW 16A		Investigation	2011-08-24	16.00							14.30	14.30		1521 m	East
6627-10431	184841	MW 7		Monitoring	1997-08-29	15.00		48.65					11.20	11.20	37.45	1522 m	South
6627-14196	253631	MWS 1918		Investigation	2010-01-19	7.00							6.20	6.20		1522 m	South West
6627-15051	286098	BH 77	Backfilled		2015-08-24	25.00										1522 m	South
6627-15422	285941			Investigation	2015-08-19	25.00										1522 m	South
6628-26012	266438	MW 15A		Investigation	2011-08-24	16.00							14.20	14.20		1522 m	East
6627-14705	274982	BH 3	Backfilled			22.20										1523 m	South
6628-7983	54952					21.95	48.00			1070	1938	6.3200				1523 m	East
6627-15055	286705	MWS 1930	Backfilled	Investigation	2015-08-13	10.50							6.57	6.57		1525 m	South West
6627-15826	326094			Monitoring	2017-03-22	15.50										1526 m	South
6628-23497	238531			Investigation	2007-10-02	5.50		26.11					4.00	4.00	22.11	1527 m	North
6628-26011	266437	MW 1A		Investigation	2011-08-24	16.00							14.30	14.30		1527 m	East
6628-16379	134449			Domestic	1992-11-03	21.00		45.31	7.10	1581	2851					1528 m	North East
6627-14191	253626	MWS 1911			2009-12-14	7.00							4.80	4.80		1529 m	South West
6627-13964	246928	MWS 0901		Investigation	2008-09-29	12.00		49.21					8.50	8.50	40.71	1531 m	South
6627-14703	274980	BH 1	Backfilled			22.00										1531 m	South
6627-15388	291491	BSE DW13			2016-08-24	16.00										1531 m	South West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6627-7341	45761		Operational	Domestic	1985-05-01	32.00		70.28	7.80	1759	3170	3.7500	1.80	1.80	68.48	1531 m	South East
6627-15817	326085			Monitoring	2017-03-14	12.00										1532 m	South
6627-15821	326089			Monitoring	2017-03-16	13.50										1532 m	South
6627-15814	326082			Monitoring	2017-03-08	16.50										1535 m	South
6627-11773	240303	GW 21	Backfilled	Investigation	2008-05-16	12.50		46.81					11.50	11.50	35.31	1536 m	South
6628-22013	203168				2005-01-20	27.00		40.57		845	1532	1.0000				1536 m	North East
6627-14017	247868	MWS 605		Investigation	2009-03-24	15.00										1537 m	South
6627-10435	184848	MW 10		Monitoring	1998-01-15	14.00		49.69					11.30	11.30	38.39	1539 m	South
6628-26008	266434	MW 20		Investigation	2011-08-26	16.00							14.00	14.00		1539 m	East
6627-14192	253627	MWS 1914		Investigation	2010-01-13	7.00							5.80	5.80		1544 m	South West
6627-14197	253632	MWS 1919		Irrigation	2010-01-19	7.00							6.20	6.20		1549 m	South West
6628-23499	238533		Backfilled	Investigation		5.50		25.65					4.00	4.00	21.65	1549 m	North
6627-14907	280993	MW S1613	Backfilled	Investigation		12.00							6.77	6.77		1550 m	South
6627-10051	176005			Monitoring	1999-06-21	11.50		71.74				0.1000	7.18	7.18	64.56	1552 m	South East
6627-11768	240298	GW 16		Investigation	2008-05-13	11.30		48.74					8.40	8.40	40.34	1554 m	South
6627-15822	326090			Monitoring	2017-03-17	16.50										1554 m	South
6628-14606	61575	GH 111	Abandoned	Investigation	1984-03-16	9.75	22.00									1555 m	West
6627-1729	40149	CHRYSLER 2	Unknown		1960-07-22	9.14		44.22								1557 m	South
6628-23498	238532			Investigation	2007-10-02	5.50		25.85					4.00	4.00	21.85	1557 m	North
6627-11666	236873	SB/MW101		Investigation	2007-08-28	13.50		52.42					11.40	11.40	41.02	1561 m	South
6628-27381	280428	GW01 (W1)	Backfilled	Investigation	2014-03-21	16.50										1565 m	East
6627-1726	40146	CHRYSLER 9	Unknown		1965-09-23	13.79		51.27					4.88	4.88	46.39	1566 m	South
6627-11769	240299	GW 15		Investigation	2008-05-13	11.30		48.78					9.00	9.00	39.78	1567 m	South
6627-14193	253628	MWS 1915		Irrigation	2010-01-13	7.00							6.20	6.20		1567 m	South West
6628-17486	153268			Domestic	1995-08-30	24.00		45.95	7.00	750	1360	0.5000				1568 m	North East
6627-15816	326084			Monitoring	2017-03-10	15.00										1569 m	South
6628-20918	193032			Domestic	2000-06-07	29.00		20.12	7.50	4182	7410	0.3000	18.00	18.00	2.12	1572 m	North West
6628-8118	55087					48.16		27.00		871	1580	1.3900	13.72	13.72	13.28	1572 m	North
6628-7951	54920					13.72		22.87		5269	9276		8.84	8.84	14.03	1573 m	West
6627-13950	246914	MWS 1606	Backfilled	Investigation	2008-10-16	11.00		43.70					8.10	8.10	35.60	1576 m	South
6627-14880	280019	MW 6A	Backfilled			105.00										1576 m	South
6628-30684	335408		Backfilled	Investigation	2020-03-12	16.00										1576 m	East
6627-15072	286722	MWS 1929	Backfilled	Investigation	2015-08-10	18.00							7.40	7.40		1578 m	South West
6628-30685	335409		Backfilled	Investigation	2020-03-12	16.00										1579 m	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
6627-1730	40150	CHRYSLER 3	Unknown		1960-07-28	9.14		45.55								1582 m	South
6627-14280	259085	MWS 09 06		Investigation	2009-11-21	10.50										1584 m	South
6627-1727	40147	CHRYSLER 10	Unknown		1965-09-27	13.79		52.86					4.57	4.57	48.29	1585 m	South
6627-11765	240295	GW 14		Investigation	2008-05-14	9.60		49.76					8.90	8.90	40.86	1586 m	South
6627-14704	274981	BH 2	Backfilled			30.00										1586 m	South
6627-14281	259086	MWS 09 - 07		Investigation	2009-11-20	10.50										1588 m	South
6628-31047	353788			Investigation	2021-01-22	30.00										1589 m	North
6627-15062	286712	GW 24A		Investigation	2015-08-12	12.00							7.10	7.10		1597 m	South
6628-18724	167423			Domestic	1997-10-23	22.50		46.21		1239	2240		14.40	14.40	31.81	1597 m	North East
6627-13904	246806	SB/MW 15A		Investigation	2007-03-06	12.80		42.99					11.00	11.00	31.99	1598 m	South
6628-30686	335410		Backfilled	Investigation	2020-03-12	16.00										1602 m	East
6628-28537	289880	SITE 21	Backfilled													1603 m	North
6627-14905	280991	MW S16 12	Backfilled		2014-10-07	13.00							8.50	8.50		1604 m	South
6627-13951	246915	MWS 16 05	Backfilled	Investigation	2008-10-16	11.50		44.66					8.60	8.60	36.06	1605 m	South
6627-13948	246912	MWS 19 02	Backfilled	Investigation	2008-11-07	9.00		40.60					8.40	8.40	32.20	1606 m	South West
6627-10603	190006	MW14 A		Monitoring	2001-12-20	13.50		41.43					7.80	7.80	33.63	1607 m	South West
6627-1728	40148	CHRYSLER 1	Unknown		1960-07-26	7.92		44.77								1607 m	South
6628-8152	55121					5.49		29.29		3127	5584		2.74	2.74	26.55	1607 m	North
6627-13943	246907	MWS 09 04		Investigation	2009-01-07	12.00		47.65								1609 m	South
6628-28463	289541	MW 23		Investigation	2016-05-20	5.00							3.70	3.70		1610 m	North West
6628-27620	279202		Backfilled		2014-02-21	30.00										1611 m	West
6628-13290	60259				1985-03-26	11.00		21.38	7.80	2352	4220	1.0000	3.50	3.50	17.88	1614 m	North West
6628-31044	353779			Investigation	2021-01-20	30.00										1615 m	North
6627-11771	240301	GW 26		Investigation	2008-05-13	13.50		45.05					10.00	10.00	35.05	1617 m	South
6627-11772	240302	GW 23		Investigation	2008-05-16	12.80		46.25					11.50	11.50	34.75	1619 m	South
6627-13955	246919	MWS 16 01		Investigation	2008-10-01	9.50		45.46					7.80	7.80	37.66	1619 m	South
6627-1717	40137				1943-10-01	60.96		29.68		1501	2709	5.0500				1620 m	South West
6628-28538	289881	SITE 24	Backfilled													1620 m	North
6628-7952	54921	EWS 87	Backfilled	Observation	1934-09-06	69.49	21.19	21.19	8.20	750	1361	12.6300	15.90	15.90	5.29	1622 m	West
6628-8116	55085		Not Located		1949-01-01	5.50	24.00		7.50	1100	1992	0.8800	4.87	4.87	19.13	1623 m	North West
6627-13954	246918	MWS 16 02		Investigation	2008-10-02	10.00		45.22					8.30	8.30	36.92	1625 m	South
6627-13961	246925	MWS 16 07	Backfilled	Investigation	2008-11-06	10.50		44.36					8.40	8.40	35.96	1626 m	South
6628-28738	291494	BSE DW 16		Investigation	2016-08-29	11.50										1626 m	South West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-7949	54918	ASCOT PARK BRIDGE 3	Unknown		1971-01-19	18.29	22.00		8.00	6613	11519	0.1300	4.27	4.27	17.73	1626 m	West
6627-15104	288203			Investigation	2016-01-27	22.00										1627 m	South
6627-14906	280992	MW S16 11	Backfilled	Investigation		14.00							7.90	7.90		1628 m	South
6627-14101	248335	MWS16 08		Investigation	2009-04-21	12.00							10.40	10.40		1629 m	South
6628-18247	163084			Domestic	1997-02-21	21.00		38.46		1116	2020	0.5000	8.00	8.00	30.46	1629 m	North East
6628-15953	62922		Operational	Domestic	1991-12-24	17.30		40.97	7.20	1027	1860	1.0000	5.70	5.70	35.27	1640 m	North East
6627-13928	246892	MWS 06 04		Investigation	2008-11-27	15.00		53.79								1642 m	South
6628-14058	61027		Operational	Domestic	1990-09-15	13.50	40.00		7.40	1256	2271	1.2000	7.00	7.00	33.00	1645 m	North East
6628-8117	55086				1914-10-01	7.16	25.00			1400	2529	5.0500	4.88	4.88	20.12	1647 m	North
6628-31379	357915		Backfilled	Investigation	2021-06-07	14.00										1648 m	East
6627-1718	40138				1945-01-01	70.10		32.75		1315	2378	3.7900	27.43	27.43	5.32	1649 m	South West
6627-14902	280983	MW S19 23	Backfilled	Investigation	2014-08-28	13.00							8.50	8.50		1651 m	South West
6628-27385	280432	GW03 (W3)		Investigation	2014-03-21	14.00							10.80	10.80		1651 m	East
6627-13952	246916	MWS 16 04		Investigation	2008-10-15	10.50		44.89					8.50	8.50	36.39	1652 m	South
6628-30641	334863			Investigation	2019-11-11	6.00										1653 m	North West
6628-13206	60175							19.66		297	540					1654 m	North West
6627-13953	246917	MWS 16 03		Investigation	2008-10-15	10.50		44.94					8.10	8.10	36.84	1655 m	South
6628-12278	59247		Backfilled		1983-03-29	12.10		19.66	7.80	6770	11792		4.80	4.80	14.86	1655 m	West
6627-14901	280982	MW S16 10	Backfilled	Investigation	2014-08-29	13.00										1656 m	South
6627-13930	246894	MWS 06 02		Investigation	2008-11-19	13.50		53.36								1658 m	South
6627-13927	246891	MWS 06 07		Investigation	2009-01-16	15.00		54.40								1659 m	South
6627-13929	246893	MWS 06 03		Investigation	2008-11-20	12.00		53.82								1659 m	South
6628-12279	59248		Backfilled		1983-04-08	20.10		19.63	8.00	4291	7600	1.2500	4.80	4.80	14.83	1659 m	West
6627-11764	240294	GW 13		Investigation	2008-05-14	13.50		54.11					10.50	10.50	43.61	1661 m	South
6627-11767	240297	GW 11		Investigation	2008-05-14	13.00		54.11					12.00	12.00	42.11	1661 m	South
6628-25805	264127	MW BC	Not Located	Environmental	2011-04-06	6.00							2.50	2.50		1662 m	North West
6628-7950	54919	ASCOT PARK BRIDGE 2	Unknown		1970-12-16	18.75	22.00		8.00	5024	8855	0.0600				1662 m	West
6628-28536	289879	SITE 20	Backfilled													1664 m	North
6627-13942	246906	MWS 10 02		Investigation	2009-01-05	11.00		49.18								1666 m	South
6628-20658	186302			Domestic	2001-07-28	25.50		39.98		865	1570	1.0000	9.00	9.00	30.98	1667 m	North East
6628-12553	59522				1983-10-21	30.00		19.58	8.00	3885	6900	0.9000	5.00	5.00	14.58	1669 m	West
6628-12803	59772		Abandoned	Domestic	1984-02-20	18.00		19.62	7.50	3064	5471	1.5000				1669 m	North West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-27384	280431	GW5 (W5)		Investigation	2014-04-26	11.00							9.20	9.20		1670 m	East
6627-15057	286707	MWS 17/06		Investigation	2015-08-11	11.00							6.60	6.60		1672 m	South
6628-15391	62360		Operational	Drainage		6.00		48.45					0.00	0.00	48.45	1674 m	East
6627-11766	240296	GW 12		Investigation	2008-05-15	15.30		54.78					12.50	12.50	42.28	1676 m	South
6628-31043	353778			Investigation	2021-01-16	30.00										1676 m	North
6627-16543	366351		Dry	Investigation	2022-03-08	10.00										1677 m	South
6628-7957	54926					5.18		19.56		4450	7876		3.05	3.05	16.51	1677 m	West
6627-13931	246895	MWS 06 01		Investigation	2008-11-20	14.50		54.18								1678 m	South
6627-16541	366349		Dry	Investigation	2022-03-07	10.00										1678 m	South
6627-16542	366350		Dry	Investigation	2022-03-07	10.00										1678 m	South
6627-16546	366354		Dry	Investigation	2022-03-09	6.30										1678 m	South
6627-11667	236874	SB/MW10 2		Investigation	2007-08-29	12.50		51.74					11.20	11.20	40.54	1679 m	South
6627-14147	252949	MWS 173	Backfilled	Investigation	2009-07-17	11.50										1679 m	South
6627-16544	366352		Dry	Investigation	2022-03-08	6.30										1679 m	South
6627-16547	366355		Dry	Investigation	2022-03-09	10.00										1679 m	South
6628-27383	280430	GW02 (W2)		Investigation	2014-03-24	13.00							9.20	9.20		1679 m	East
6628-31377	357913			Investigation	2021-06-07	14.00										1680 m	East
6627-16517	363545			Investigation	2021-11-08	10.50										1681 m	South
6627-16545	366353		Dry	Investigation	2022-03-09	10.00										1682 m	South
6627-16550	366358		Dry	Investigation	2022-03-11	10.00										1682 m	South
6628-28640	290478		Backfilled			7.00										1682 m	North
6627-16551	366359		Dry	Investigation	2022-03-11	10.00										1683 m	South
6628-28455	289533	MW 14		Investigation	2016-05-18	5.00							3.10	3.10		1683 m	North West
6628-7986	54955	PANORAMA TAFE 1	Unknown		1971-08-12	14.94		54.19	8.00	5343	9399					1683 m	East
6627-16548	366356		Dry	Investigation	2022-03-10	10.00										1684 m	South
6627-16549	366357		Dry	Investigation	2022-03-10	10.00										1684 m	South
6627-16536	365652		Dry	Investigation	2022-01-31	11.00										1685 m	South
6627-14908	280994	MW S17 1A	Backfilled	Investigation		14.00							7.60	7.60		1686 m	South
6628-28539	289882	SITE 22	Backfilled													1686 m	North
6627-13962	246926	MWS 17 02	Backfilled	Investigation	2008-10-23	11.00		43.81					9.00	9.00	34.81	1687 m	South
6627-14910	280996	MW S19 26		Investigation	2014-10-02	17.00							9.56	9.56		1687 m	South
6627-14954	284425		Backfilled	Investigation	2015-01-16	20.00										1687 m	South
6627-16231	331334			Investigation	2019-08-06	10.00										1687 m	South
6628-18123	162784			Domestic	1996-11-13	30.00		49.15		6774	11800	0.5000	11.00	11.00	38.15	1687 m	East

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-22184	206191			Monitoring	2005-06-02	15.70		47.67		4384	7760	0.0000	13.10	13.10	34.57	1688 m	North East
6628-28535	289878	SITE 19	Backfilled													1688 m	North
6627-16233	331336			Investigation	2019-08-07	10.00										1689 m	South
6627-15740	315688	6WS17_A		Investigation	2018-11-28	12.00							8.68	8.68		1690 m	South
6627-15741	315689	6WS17_B		Investigation	2018-11-28	12.00							5.46	5.46		1690 m	South
6627-15105	288204		Backfilled	Investigation	2016-01-28	19.50										1691 m	South
6627-16232	331335			Investigation	2019-08-07	11.00										1692 m	South
6627-1711	40131				1914-01-01	30.48		27.13		1300	2351	6.3200	12.19	12.19	14.94	1692 m	South West
6627-16537	365653		Dry	Investigation	2022-01-31	11.00										1693 m	South
6627-13963	246927	MWS 17 01		Investigation	2008-10-23	11.00		44.42					9.00	9.00	35.42	1694 m	South
6628-28540	289883	SITE 23	Backfilled													1695 m	North
6627-15064	286714	MWS 17/07		Investigation	2015-08-11	13.00							7.69	7.69		1698 m	South
6628-28641	290479		Backfilled			7.00										1699 m	North
6628-17006	148171	SZ 10				5.00	33.00									1701 m	North
6627-14145	252947	MWS 175	Backfilled	Investigation	2009-07-23	12.00										1702 m	South
6628-14258	61227			Drainage	1988-05-26	16.10		19.37				1.0000	3.20	3.20	16.17	1704 m	West
6628-15732	62701		Operational	Domestic	1991-11-23	15.00		39.50	7.10	1178	2131		7.50	7.50	32.00	1704 m	North East
6627-14911	280997	MW S19 27	Backfilled	Investigation		14.00							8.80	8.80		1706 m	South West
6627-14146	252948	MWS 174	Backfilled	Investigation	2009-07-23	12.00										1710 m	South
6628-31360	357312			Environmental	2021-06-28	19.00										1711 m	North East
6627-11665	236872	SB/MW10 0		Investigation	2007-08-27	13.50		55.85					11.70	11.70	44.15	1713 m	South
6628-31260	355135			Environmental	2021-01-29	7.50										1713 m	North
6628-7985	54954	PANORAMA TAFE 2	Unknown		1971-08-16	14.48		51.97								1716 m	East
6627-13945	246909	MWS 08 02	Backfilled	Investigation	2008-12-17	11.20		50.20								1717 m	South
6627-14909	280995	MW S19 25	Backfilled	Investigation		17.00							10.30	10.30		1719 m	South
6628-28532	289875	SITE 13	Backfilled													1721 m	North
6628-28639	290477		Backfilled			6.00										1727 m	North
6628-28511	289770		Backfilled													1728 m	North
6628-16959	147749			Domestic	1995-02-20	16.50		19.21	7.10	3407	6070					1729 m	North West
6628-30565	333034			Environmental	2019-11-08	19.00										1730 m	North East
6628-30573	333109			Environmental	2019-11-07	19.00										1730 m	North East
6627-16234	331337		Dry	Investigation	2019-08-08	11.50										1736 m	South
6628-7946	54915				1914-01-01	67.67		23.18		1370	2476		15.24	15.24	7.94	1736 m	West
6627-15161	288893	MW_EPA 17	Backfilled	Investigation		12.00										1739 m	South West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6627-15085	287451	BSE GW05		Investigation	2015-09-12	14.40										1740 m	South
6627-14900	280981	MW S19 24	Backfilled	Investigation		14.00							9.20	9.20		1742 m	South West
6628-31378	357914			Investigation	2021-06-07	13.00										1742 m	East
6628-27382	280429	GW04 (W4)		Investigation	2014-03-20	12.00							2.80	2.80		1747 m	East
6628-31049	353802			Investigation	2021-01-22	30.00										1747 m	North
6628-25759	263680	EO			2010-05-21	66.10			8.33	1429	2581	10.0000	19.70	19.70		1748 m	North West
6628-31359	357311			Environmental	2021-06-29	19.00										1748 m	North East
6627-13933	246897	MWS 10 01		Investigation	2008-12-12	11.00		49.50								1749 m	South
6628-8115	55084	EWS 93	Backfilled	Observation	1949-11-05	60.96	21.96	21.90	8.07	1075	1946	3.7500	18.25	18.19	3.71	1751 m	North West
6627-15390	291493	BSE DW 12				12.00										1761 m	South West
6627-15086	287452	BSE GWO4		Investigation	2015-09-13	13.95										1762 m	South
6628-29027	299959			Environmental	2017-01-19	6.00										1764 m	West
6628-19804	40129				1934-01-01	74.07		24.73		1544	2787		20.12	20.12	4.61	1765 m	South West
6628-28510	289769		Backfilled													1767 m	North
6627-13944	246908	MWS 08 03		Investigation	2009-01-06	11.00		50.55								1768 m	South
6628-16460	135733			Environmental; Recreational	1992-12-17	87.00		49.79	7.50	796	1444	1.9000	30.00	30.00	19.79	1768 m	East
6627-15272	289385	BSE DW08		Investigation	2016-06-10	13.00							9.40	9.40		1771 m	South West
6628-25280	256223		Backfilled			6.30										1773 m	North
6627-13939	246903	MWS 12 04		Investigation	2009-01-08	11.50		45.18								1775 m	South
6628-7961	54930				1931-01-01	7.62	19.00		7.50	3245	5789	1.5200	2.03	2.03	16.97	1778 m	North West
6627-11501	228850	SB24/MW 3		Investigation	2006-10-13	11.50		64.35					8.20	8.20	56.15	1783 m	South
6627-16230	331333			Investigation	2019-08-05	13.00										1784 m	South
6628-25293	256247	MWC Q2		Investigation	2010-07-05	20.00										1786 m	North
6627-15082	287448	BSE GW02		Investigation	2015-09-14	13.00										1792 m	South
6628-31150	354327			Investigation	2021-02-01	13.00										1792 m	North
6627-14955	284426		Backfilled	Investigation	2015-01-07	25.00										1793 m	South
6628-28533	289876	SITE 15	Backfilled													1793 m	North
6627-14864	279192		Backfilled	Investigation	2014-01-14	16.30							13.70	13.70		1796 m	South
6627-1716	40136				1945-07-10	67.06		29.14		1270	2298	6.3200	20.12	20.12	9.02	1796 m	South West
6628-13426	60395		Operational	Industrial	1984-08-20	52.00		27.56	7.30	1094	1980	5.0000	12.00	12.00	15.56	1796 m	North
6628-28512	289771		Backfilled													1797 m	North
6628-28513	289772		Backfilled													1797 m	North
6628-14286	61255		Operational	Domestic	1988-09-26	17.00		46.80	7.90	1068	1933	0.8000	12.50	12.50	34.30	1801 m	North East
6628-14285	61254		Operational	Irrigation	1988-10-15	8.20		18.92	7.70	3351	5971	1.2000	3.30	3.30	15.62	1802 m	North West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6627-14248	256116	MW 5		Investigation	2007-11-01	10.50							8.30	8.30		1804 m	South
6628-19369	174006			Domestic	1999-01-12	22.00		20.43		15249	25300	0.1000	9.00	9.00	11.43	1804 m	North West
6627-14951	284422	GW 38		Investigation		13.00							9.30	9.30		1807 m	South
6627-16229	331332			Investigation	2019-08-05	13.00										1807 m	South
6628-31153	354332			Investigation	2020-12-17	37.00										1808 m	North
6627-13949	246913	MWS 19 03			2008-11-19	15.00		41.71					12.50	12.50	29.21	1810 m	South
6627-15160	288892	MW_EPA 16		Investigation	2014-09-20	12.00										1810 m	South West
6627-14321	262706	MW 6		Investigation	2010-10-20	12.00							7.90	7.90		1811 m	South West
6627-11785	241615	MW 5		Investigation	2008-08-06	14.00		27.07					10.30	10.30	16.77	1813 m	South West
6627-11500	228849	SB25/MW 1		Investigation	2006-10-12	11.00		65.49					8.44	8.44	57.05	1816 m	South
6628-28515	289774		Backfilled													1816 m	North
6627-14247	256115	MW 5		Investigation	2007-10-31	11.00										1818 m	South
6628-28524	289797		Backfilled		2015-11-02	59.00										1819 m	North
6628-28517	289776		Backfilled			7.80										1820 m	North
6628-28519	289778		Backfilled													1820 m	North
6627-14952	284423	GW 37		Investigation		10.90							7.60	7.60		1821 m	South
6627-1737	40157					25.30		61.55		1616	2914		18.14	18.14	43.41	1821 m	South
6627-13932	246896	MWS 08 01	Backfilled	Investigation	2008-12-12	11.00		49.07								1822 m	South
6627-11786	241616	MW 4		Investigation	2008-08-06	14.00		27.06					10.50	10.50	16.56	1823 m	South West
6627-14322	262707	MW 7		Investigation	2010-10-19	13.00							7.70	7.70		1823 m	South West
6628-21563	198392			Domestic	2003-09-08	14.00		33.71		1166	2110	0.4370	4.00	4.00	29.71	1824 m	North
6628-8190	55159				1964-01-01	47.85		30.16		917	1663	8.8400	9.14	9.14	21.02	1825 m	North
6628-29025	299957			Environmental	2017-01-17	5.00										1826 m	North West
6627-1750	40170	SOILS SITE 7	Unknown		1966-04-26	3.51		88.67								1827 m	South East
6627-14246	256114	MW 4		Investigation	2007-11-02	11.00										1828 m	South
6628-14259	61228				1988-08-10	14.80		18.67				5.0000	2.40	2.40	16.27	1828 m	North West
6628-18322	164245			Investigation	1996-06-17	10.00		26.65					3.46	3.46	23.19	1828 m	North
6628-18542	165931			Domestic	1997-05-17	19.00		47.25		1099	1990	0.2500	12.00	12.00	35.25	1828 m	North East
6628-18320	164243			Investigation	1996-06-17	8.50		27.00					3.17	3.17	23.83	1830 m	North
6628-27068	277897				2013-08-28	30.00				587	1067	0.5000	14.00	14.00		1830 m	North East
6628-28516	289775		Backfilled													1830 m	North
6627-14323	262708	MW 8		Investigation	2010-10-19	13.00							7.90	7.90		1832 m	South West
6628-13427	60396		Operational	Industrial	1984-08-09	39.60		27.51	8.10	1681	3030	2.5000	6.00	6.00	21.51	1832 m	North
6628-28518	289777		Backfilled													1832 m	North

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-30759	339915		Backfilled	Monitoring	2020-06-12	15.00										1833 m	East
6628-17551	153510			Domestic	1995-12-18	14.20		20.21	7.35	5794	10150	0.7500	5.20	5.20	15.01	1836 m	North West
6628-28514	289773		Backfilled													1838 m	North
6628-30943	351240		Dry	Monitoring	2020-10-26	7.10										1838 m	North
6627-11502	228851	SB23/MW 2			2006-10-12	10.00		67.25					8.70	8.70	58.55	1839 m	South
6627-15804	325557		Dry	Investigation	2019-06-28	13.50										1841 m	South
6628-8114	55083					5.49		20.59		2830	5063		2.44	2.44	18.15	1843 m	North West
6628-31151	354329			Investigation	2021-01-21	60.00										1844 m	North
6627-15030	285443	MW 39		Investigation	2014-10-03	12.00							10.50	10.50		1845 m	South
6627-1714	40134					80.77		27.87					21.34	21.34	6.53	1848 m	South West
6628-30758	339803		Backfilled	Monitoring	2020-06-12	15.00										1848 m	East
6628-31632	363701		Backfilled													1848 m	East
6628-25806	264129	MW BA		Investigation	2011-04-06	6.00							2.60	2.60		1849 m	North West
6628-28509	289768		Backfilled													1849 m	North
6627-1715	40135				1945-01-01	69.49		28.30		1230	2225	3.7900				1851 m	South West
6627-15080	287446	BSE GW06		Investigation	2015-09-15	13.00										1852 m	South
6627-14950	284421	GW 40		Investigation		12.00							6.70	6.70		1854 m	South
6627-14497	271073	GW 33		Investigation	2012-08-10	15.00										1861 m	South
6628-16957	147747			Domestic	1995-02-07	18.00		18.94	7.00	4182	7410					1861 m	West
6627-1735	40155		Abandoned		1963-01-25	21.03	54.00			3831	6807	0.1300	15.24	15.24	38.76	1862 m	South
6628-18321	164244			Investigation	1996-06-17	8.50		27.03					3.76	3.76	23.27	1862 m	North
6628-15638	62607		Operational	Domestic	1991-09-27	11.80		36.42	7.00	1184	2142	1.0000	5.30	5.30	31.12	1863 m	North
6627-1734	40154	CHRYSLER 7	Unknown		1963-02-04	18.29		46.25								1866 m	South
6628-23243	235965				2007-07-27	30.00		40.20		1027	1861	1.2500	8.00	8.00	32.20	1868 m	North East
6628-25382	258818	MWD	Backfilled		2010-06-22	6.50										1869 m	North
6627-15078	287444	BSE GW03		Investigation	2015-09-16	15.00										1870 m	South
6628-18317	164240			Investigation	1996-09-26	6.00		26.56					2.69	2.69	23.87	1870 m	North
6628-7939	54908	ASCOT PARK PRIMARY			1969-06-14	54.25		19.16	7.30	1228	2220	4.5500	10.67	10.67	8.49	1870 m	West
6628-25379	258815	MWD Q 2	Backfilled		2010-06-22	21.00										1872 m	North
6628-21640	199287	ASCOT PARK PRIMARY	Operational	Irrigation	2004-03-06	42.00		19.06	7.40	1172	2120	4.0000	9.58	9.58	9.48	1876 m	West
6628-31048	353801			Investigation	2021-01-25	30.00										1877 m	North
6627-1713	40133				1934-01-01	76.20		27.40		1200	2172	7.5800	15.54	15.54	11.86	1878 m	South West
6628-29026	299958			Environmental	2017-01-18	6.00										1879 m	North West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6627-16251	333032			Investigation	2020-01-22	12.50										1880 m	South
6628-25691	262897	WELL 1		Investigation	2009-07-24	21.50										1880 m	North
6627-7318	45738				1985-03-29	36.00		71.51	7.30	2880	5149	1.2500	10.50	10.50	61.01	1881 m	South
6627-16473	360182			Investigation	2021-07-20	15.00										1882 m	South
6628-25380	258816	MWF	Backfilled		2010-06-22	6.50										1888 m	North
6627-8914	142378			Domestic	1994-06-20	18.00		28.93	6.70	2704	4840					1889 m	South West
6627-11770	240300	GW 22		Investigation	2008-05-16	14.00		45.70					12.50	12.50	33.20	1890 m	South
6628-7934	54903					1.83		18.90		3441	6130					1890 m	West
6627-15164	288896	MW_EPA 20		Investigation	2014-09-23	12.00										1891 m	South West
6628-18185	162938			Domestic	1996-05-17	30.00		58.49				0.5000				1892 m	East
6628-22599	218532				2005-08-11	22.50		35.50		1128	2042	0.3000				1892 m	North
6627-16288	336971			Investigation	2020-02-22	13.00										1893 m	South
6628-19510	175225			Irrigation	1999-05-07	42.00		19.15		1401	2530	5.0500	16.00	16.00	3.15	1893 m	West
6627-14350	264409	GW 4		Investigation	2011-06-14	15.00							8.30	8.30		1895 m	South
6628-18318	164241			Investigation	1996-09-26	6.00		26.66					2.68	2.68	23.98	1895 m	North
6627-15013	285078	BH 6	Backfilled	Investigation	2015-01-28	20.00										1896 m	South
6627-14823	278495	MWS 11 04	Backfilled			14.50										1897 m	South
6627-15159	288891	MW_EPA 15		Investigation		12.00										1897 m	South
6627-14144	252946	MWS 185		Investigation	2009-07-15	15.00										1903 m	South
6628-15835	62804		Operational	Domestic	1991-12-12	18.00		31.59	7.40	1027	1860	1.0000	4.50	4.50	27.09	1904 m	North
6628-16745	146195			Domestic	1994-09-06	18.00		40.82	6.60	1066	1930					1905 m	North East
6628-25294	256248	MWH Q2		Investigation	2010-07-05	20.00										1905 m	North
6627-14413	267258	GW 28		Investigation	2011-10-04	16.30										1906 m	South
6627-1733	40153	CHRYSLER 6	Unknown		1963-01-16	35.05		47.18		3831	6807	0.2500	12.34	12.34	34.84	1907 m	South
6628-15833	62802		Operational	Domestic	1991-12-12	18.00		31.91	7.20	1121	2029	0.8000	5.00	5.00	26.91	1908 m	North
6627-16493	361944	GW55		Investigation	2021-07-04	16.00										1909 m	South
6628-25381	258817	MWG	Backfilled		2010-06-22	6.50										1909 m	North
6627-15274	289387	BSE DW03		Investigation	2016-06-09	13.00							11.60	11.60		1911 m	South West
6628-17846	156161			Domestic	1996-02-29	18.00		41.05	7.30	1066	1930	0.3157				1914 m	North East
6627-14143	252945	MWS 187		Investigation	2009-07-17	17.00										1915 m	South
6627-14415	267260	GW 29		Investigation	2011-10-05	14.90										1915 m	South
6627-13937	246901	MWS 18 01A		Investigation	2008-12-09	15.00		43.83								1916 m	South
6627-13968	246932	MWS 18 01A		Investigation	2008-11-03	10.90		43.83								1916 m	South
6628-19797	46510	GH 109		Investigation	1984-03-15	8.00	85.00									1917 m	East

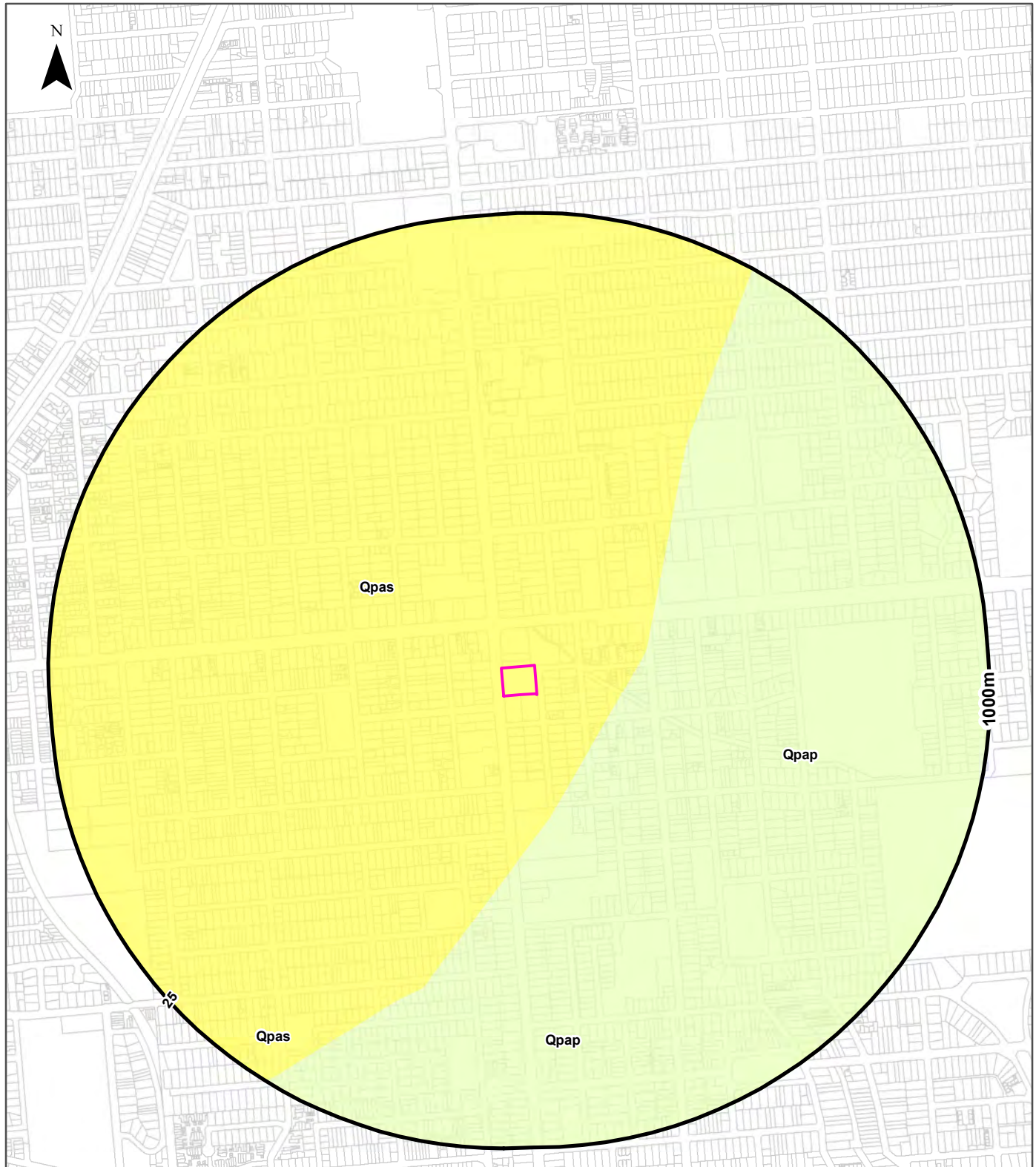
Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6627-15174	288906	MW_EPA 30		Investigation	2014-09-30	13.00										1924 m	South West
6627-14956	284427		Backfilled	Investigation	2015-01-09	25.00										1925 m	South
6627-16289	336972			Investigation	2020-04-15	15.00										1926 m	South
6627-13969	246933	MWS 18 02	Backfilled	Investigation	2008-11-03	12.50		42.47								1928 m	South
6628-18319	164242			Investigation	1996-09-26	6.00		26.72					2.61	2.61	24.11	1929 m	North
6627-13938	246902	MWS 18 02A	Backfilled	Investigation	2008-12-09	15.00		42.47								1930 m	South
6627-14142	252944	MWS 186		Investigation	2009-07-16	16.00										1934 m	South
6627-14499	271075	GW 35		Investigation	2012-08-11	17.00										1938 m	South
6627-16474	360183		Dry	Investigation	2021-07-20	14.50										1938 m	South
6627-16287	336970			Investigation	2020-02-16	13.00										1940 m	South
6628-7982	54951		Backfilled		1952-02-10	83.82		52.36		671	1218	1.3900	28.35	28.35	24.01	1940 m	East
6628-18770	167551			Domestic	1997-11-20	29.00		19.48		3591	6390	0.5000	6.00	6.00	13.48	1942 m	North West
6627-15328	290333			Investigation	2016-11-04	10.00										1945 m	South West
6628-18232	163031			Domestic	1996-12-05	18.00		31.36		1072	1940		7.50	7.50	23.86	1951 m	North
6627-14498	271074	GW 34		Investigation	2012-08-11	16.00										1954 m	South
6627-15386	291489	BSE DW 11			2016-08-31	9.50										1954 m	South West
6627-16494	361945	GW54		Investigation	2021-07-03	16.00										1954 m	South
6627-14348	264407	GW 2	Backfilled	Investigation	2011-06-11	15.00							7.90	7.90		1955 m	South
6627-14824	278496	MWS 11 02	Backfilled			14.70										1957 m	South
6628-16245	130794	T ZUPPA		Domestic		24.00		51.29	7.30	517	940		15.60	15.60	35.69	1958 m	North East
6627-16286	336969			Investigation	2020-02-15	11.00										1959 m	South
6627-16367	345975		Dry	Monitoring	2020-06-06	15.00										1959 m	South
6627-16480	360325		Dry	Monitoring	2021-04-30	34.00										1959 m	South East
6627-14414	267259	GW 30	Backfilled	Investigation	2011-10-04	14.90										1960 m	South
6627-1732	40152	CHRYSLER 5	Unknown		1963-01-22	21.03	54.00			3831	6807	0.1300	9.14	9.14	44.86	1963 m	South
6627-15330	290335			Investigation	2016-11-03	10.00										1964 m	South West
6627-14349	264408	GW 3		Investigation	2011-06-14	15.00							8.10	8.10		1965 m	South
6627-14347	264406	GW 1	Backfilled	Investigation	2011-06-14	15.00							8.40	8.40		1967 m	South
6627-1731	40151	CHRYSLER 4	Unknown		1963-01-20	18.29	54.00			3546	6312	0.1300	13.72	13.72	40.28	1968 m	South
6627-16495	361946			Investigation	2021-07-03	16.70										1969 m	South
6627-15329	290334			Investigation	2016-11-04	10.00										1974 m	South West
6627-1696	40116				1918-01-01	73.15		35.75		957	1734	1.2600	9.14	9.14	26.61	1979 m	South West
6627-14418	267263	URS 1		Investigation	2011-10-06	14.00										1984 m	South
6628-7942	54911				1948-09-01	67.97		19.80		1185	2145	10.1000				1985 m	West

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Ground Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir
6628-18122	162783		Abandoned	Domestic	1996-10-17	31.00		62.04					10.00	10.00	52.04	1987 m	East
6627-14941	284412	GW 49		Investigation	2014-10-05	16.00							11.60	11.60		1988 m	South
6627-15158	288890	MW_EPA 14		Investigation	2014-09-19	14.50										1988 m	South
6628-8189	55158		Operational	Irrigation	1976-10-23	18.00	36.00		7.00	1138	2060	1.0000	6.60	6.60	29.40	1989 m	North
6628-17086	148595			Domestic	1995-02-14	25.00		51.52	7.20	1043	1890	0.4000				1993 m	North East
6627-1738	40158			Recreational	1960-01-01	60.35	70.21	70.20	6.71	5161	9090	7.7700	14.85	14.84	55.36	1994 m	South
6627-15165	288897	MW_EPA 21		Investigation	2014-09-23	12.00										1998 m	South West
6628-25808	264131	MW BB		Investigation	2011-04-06	6.00							2.70	2.70		1998 m	North West

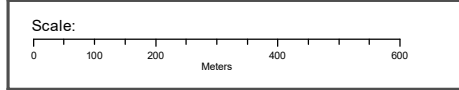
Drillholes Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Geology 1:100,000

1125 South Road, St Marys, SA 5042



Legend		Linear Feature	
	Site Boundary		Alluvial fan
	Buffer 1000m		Joint
	Property Boundary		Lineament
			Fault
			Dyke
			Open cut quarry
			Fold
			Shear zone
			Gilgai
			Other Linear Feature



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

Date: 31 August 2022

Geology

1125 South Road, St Marys, SA 5042

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
Qpas	Keswick Clay	Clay, smectite-rich, grey-green, with red or yellow mottling and rare sand lenses.	Unnamed GIS Unit - see description	ST VINCENT BASIN	PLEISTOCENE	Pleistocene	Pleistocene	0m	On-site
Qpap	Pooraka Formation	Clay, sand and carbonate earth, silty, with gravel lenses.	Unnamed GIS Unit - see description	ST VINCENT BASIN	PLEISTOCENE	Pleistocene, Late	Pleistocene, Late	159m	East

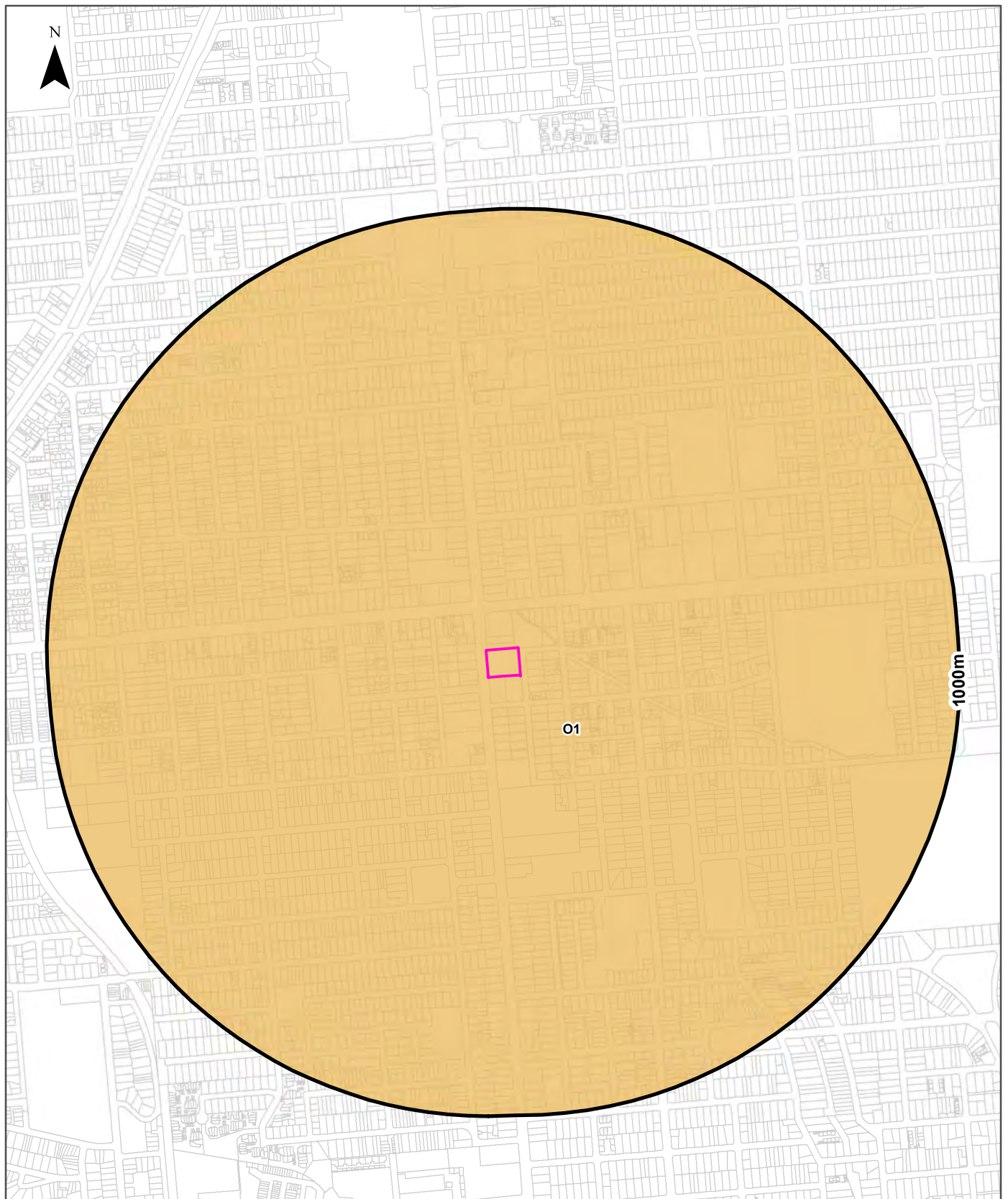
Geology Data Source: Dept of Environment, Water and Natural Resources - South Australia
Creative Commons 4.0 © Commonwealth of Australia <https://creativecommons.org/licenses/by/4.0/>

Linear Structures 1:100,000

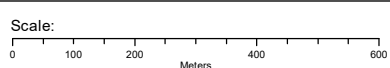
Linear geological structures within the dataset buffer:

Map Code	Description	Distance	Direction
25	Fault position accurate	995m	South West

Geology Data Source: Dept of Environment, Water and Natural Resources - South Australia
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Legend		Australian Soil Classification Orders				
Site Boundary	Anthroposol	Dermosol	Kandosol	Podosol	Tenosol	No Data
Buffer 1000m	Calcarosol	Ferrosol	Kurosol	Rudosol	Vertosol	
Property Boundary	Chromosol	Hydrosol	Organosol	Sodosol	Lake	



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Coordinate System:
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Date: 31 August 2022

Soils

1125 South Road, St Marys, SA 5042

Atlas of Australian Soils

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

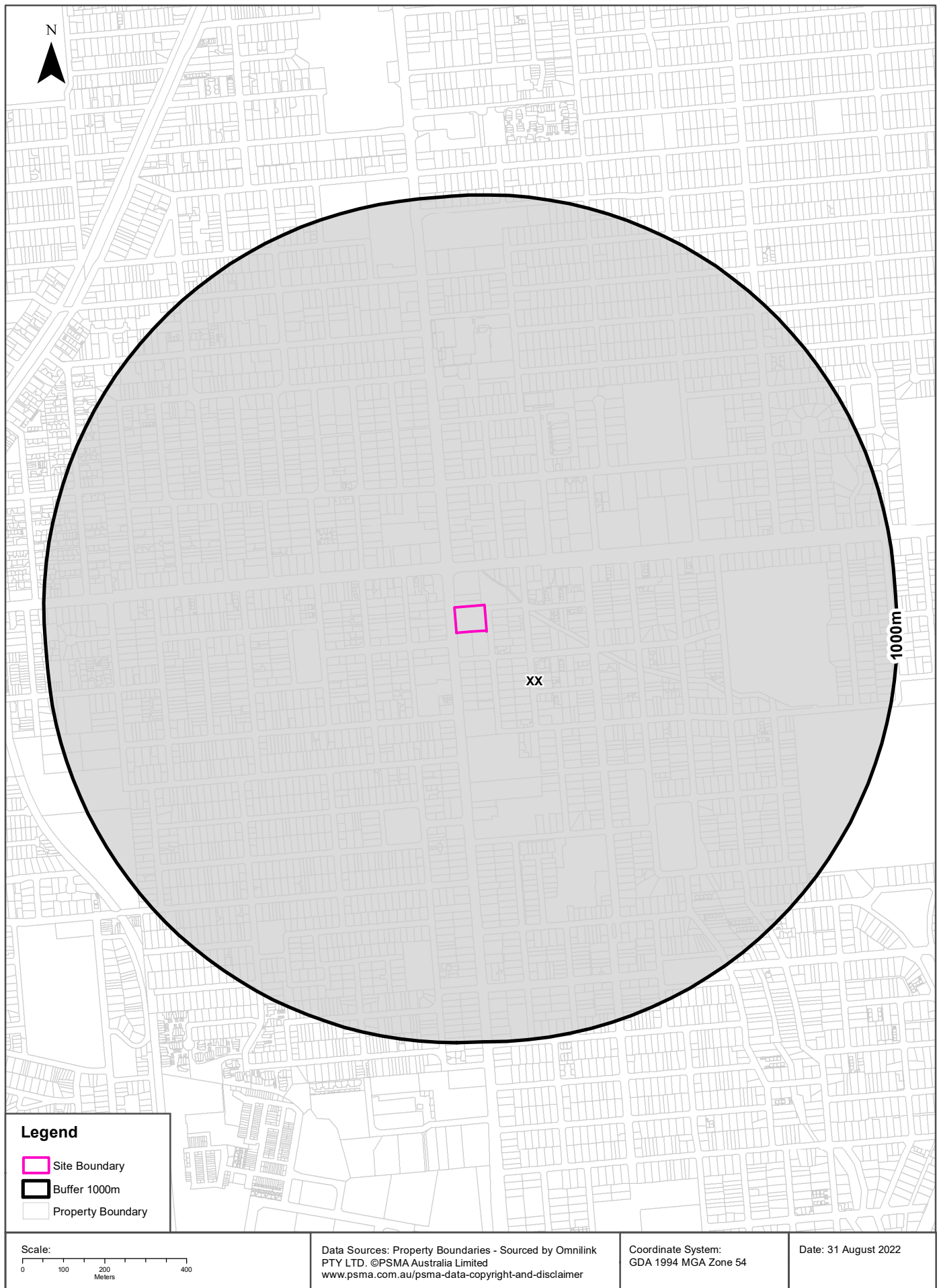
Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
O1	Chromosol	Outwash plains: hard alkaline red soils (Dr2.23 with small areas Dr2.33); small areas cracking clay soils (Ug5.15, Ug5.16, and Ug5.2), also hard alkaline yellow mottled soils (Dy3.43); minor areas (Um6.21) and (Uf6.11); various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

Atlas of Australian Soils Data Source: CSIRO

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Soil Types

1125 South Road, St Marys, SA 5042



Soils

1125 South Road, St Marys, SA 5042

Soil Types

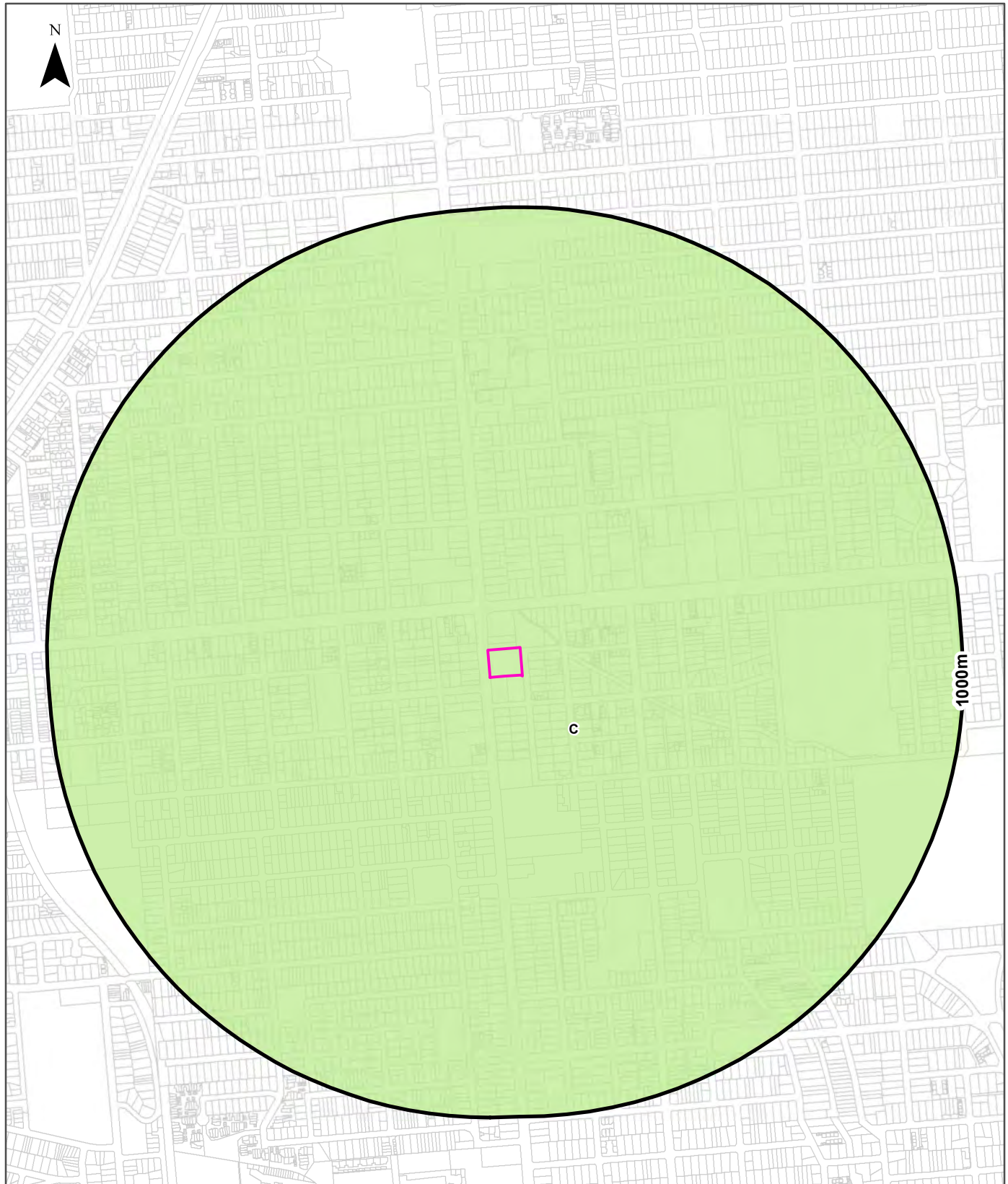
Soil types within the dataset buffer:

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

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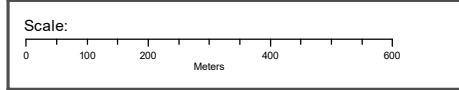
Atlas of Australian Acid Sulfate Soils

1125 South Road, St Marys, SA 5042



Legend

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



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Acid Sulfate Soils

1125 South Road, St Marys, SA 5042

Atlas of Australian Acid Sulfate Soils

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

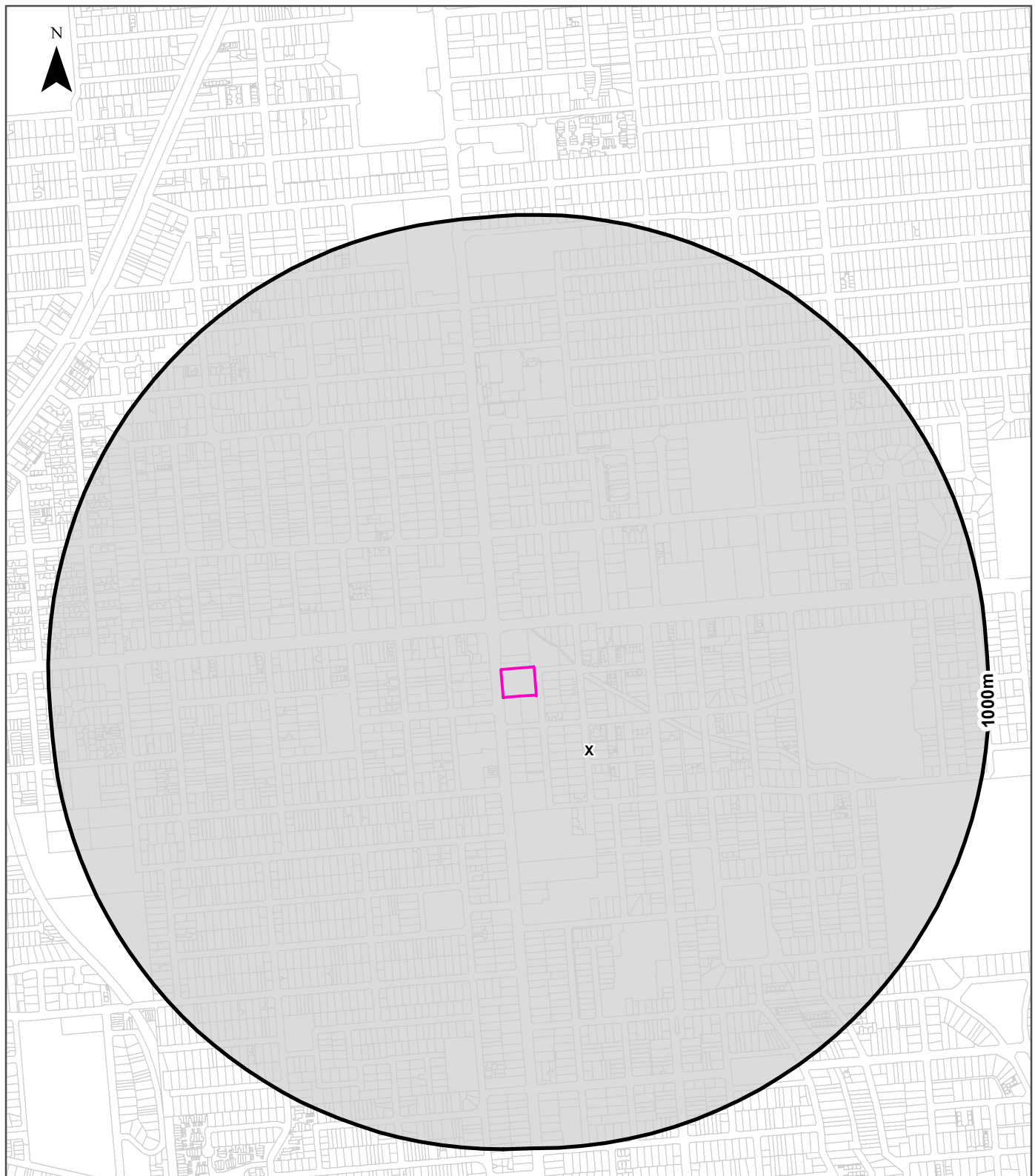
Class	Description	Distance	Direction
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m	On-site

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

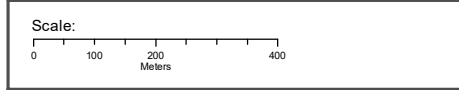
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Acid Sulfate Soils Potential

1125 South Road, St Marys, SA 5042



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



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Acid Sulfate Soils

1125 South Road, St Marys, SA 5042

Acid Sulfate Soil Potential

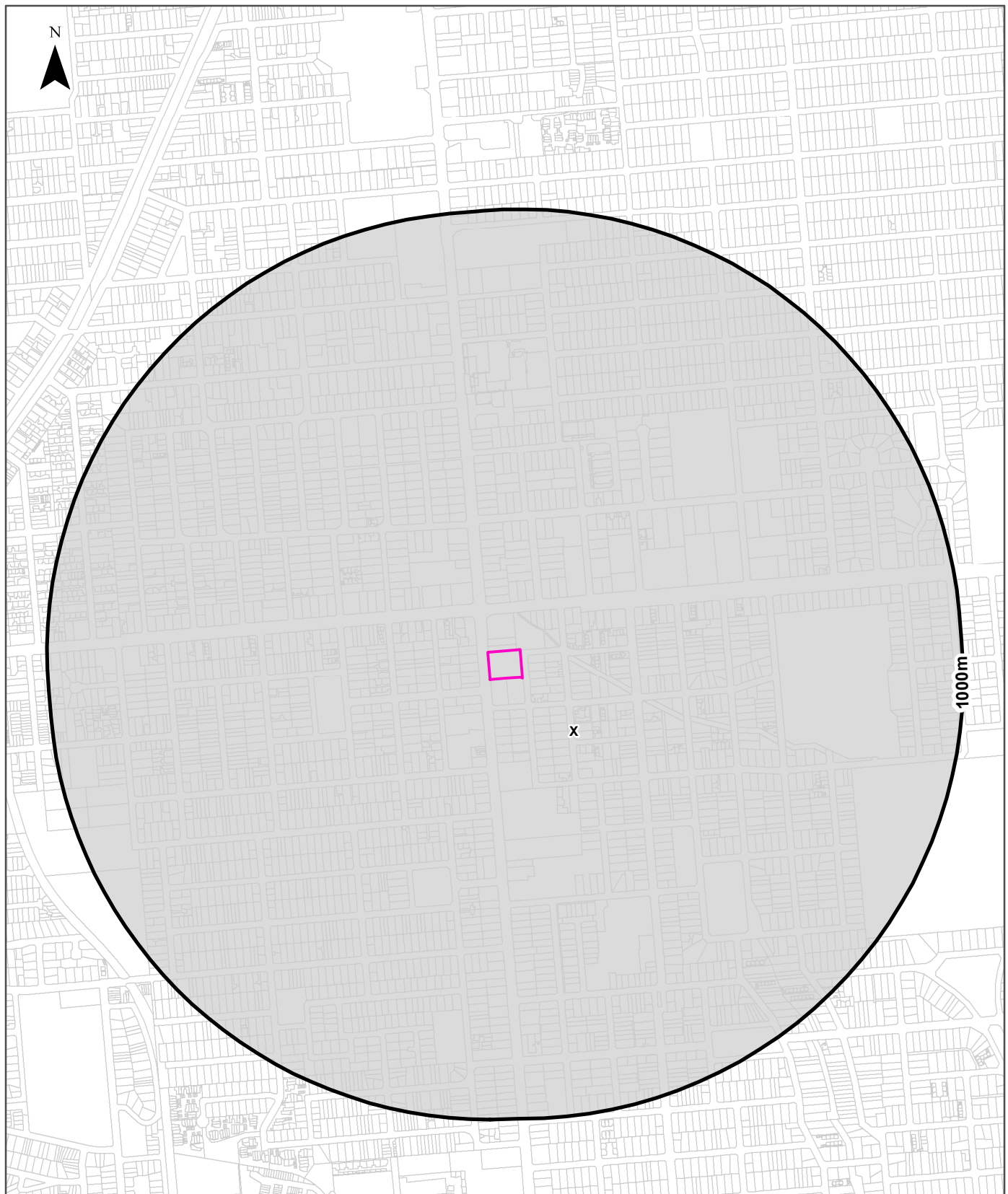
Acid sulfate soil potential within the dataset buffer:

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

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

1125 South Road, St Marys, SA 5042

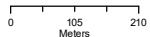


Legend

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 | |

Scale:



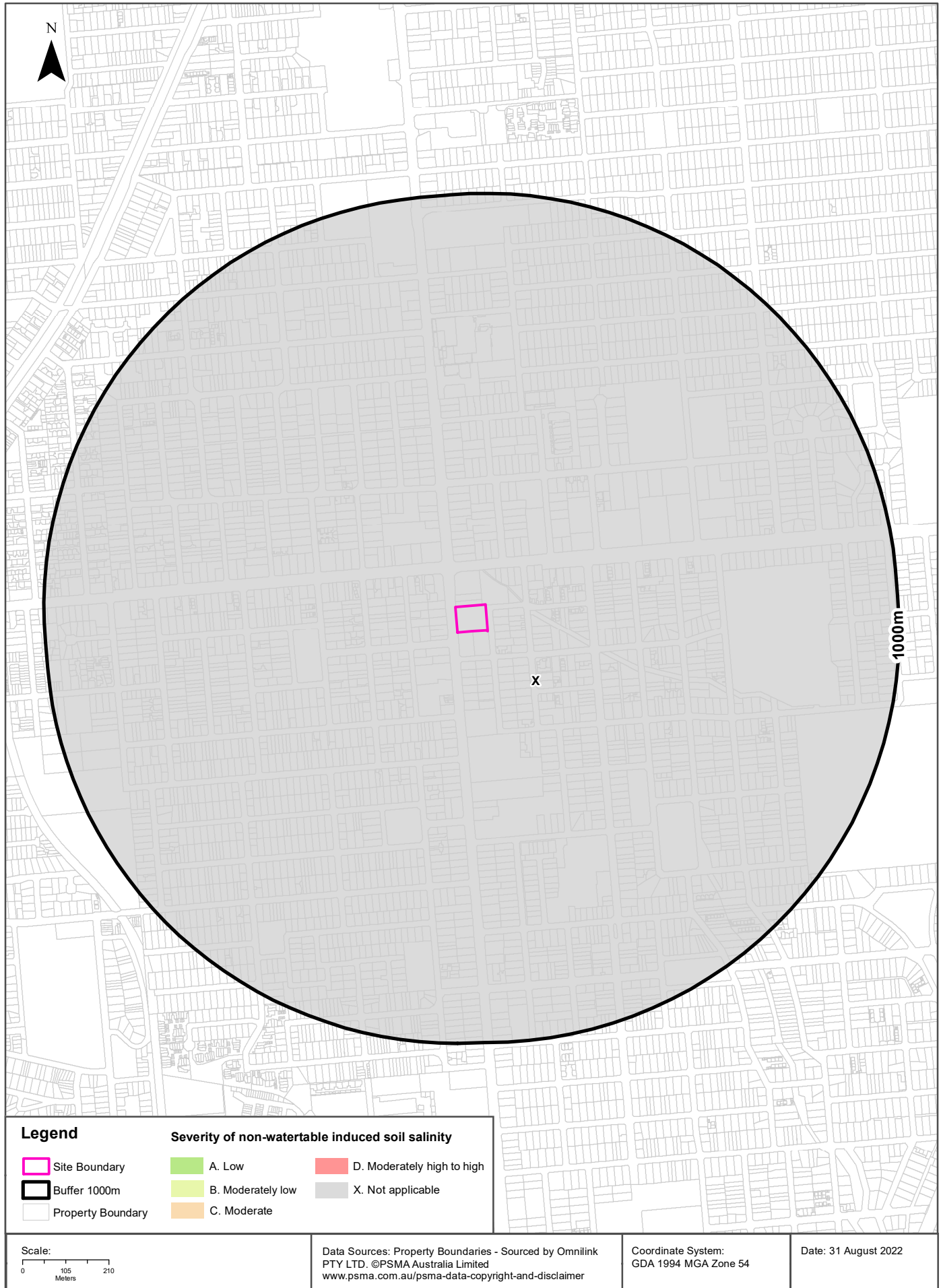
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Date: 31 August 2022

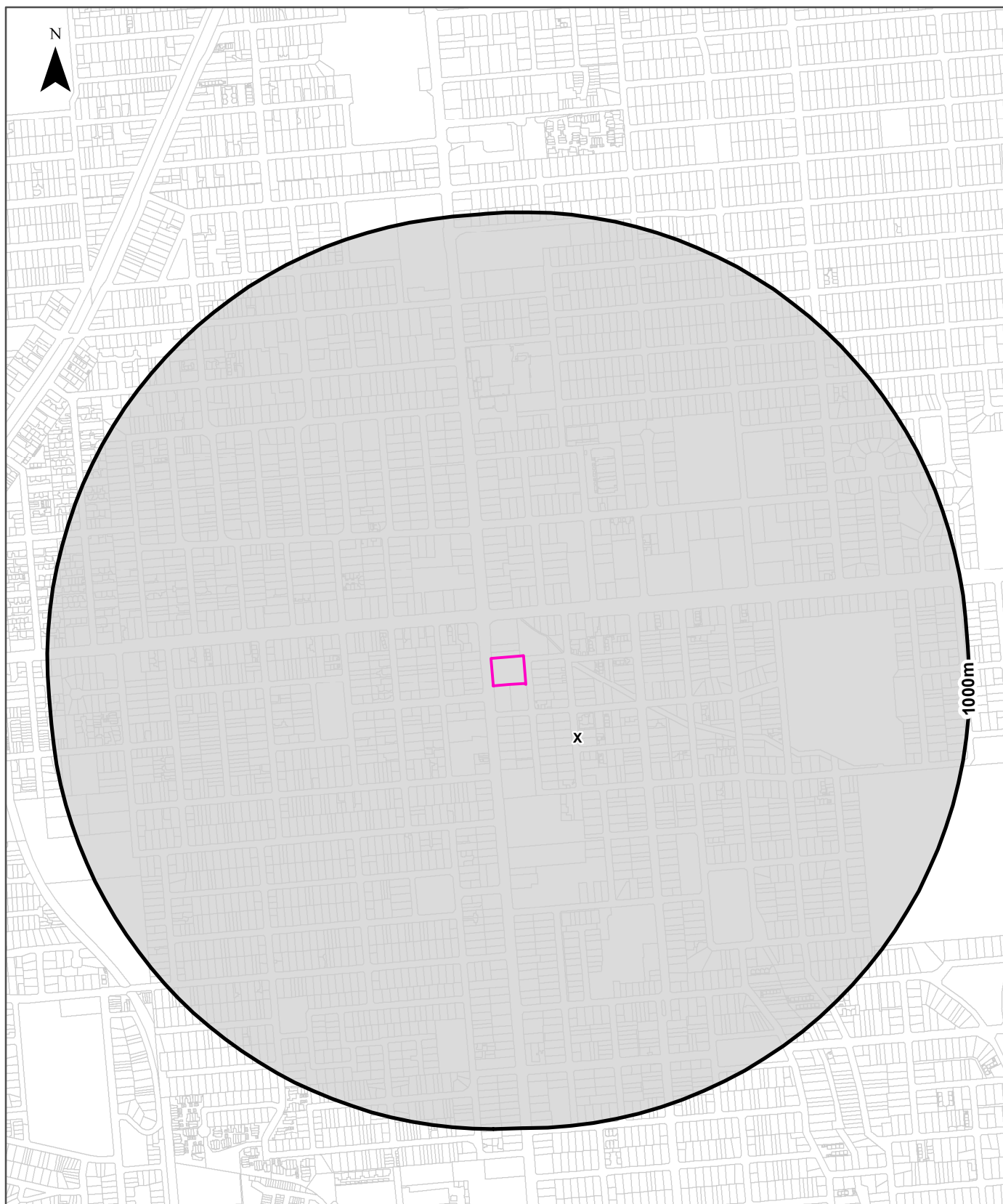
Soil Salinity - Non-watertable

1125 South Road, St Marys, SA 5042



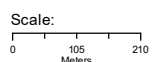
Soil Salinity - Non-watertable (Magnesia Patches)

1125 South Road, St Marys, SA 5042



Legend

- | | | | |
|-------------------|--|-----------|-------------------|
| Site Boundary | Proportion of land affected by magnesia patches | | |
| 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: 31 August 2022

Soil Salinity

1125 South Road, St Marys, SA 5042

Soil Salinity - Watertable Induced

Watertable induced soil salinity within the dataset buffer:

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

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

Non-watertable soil salinity within the dataset buffer:

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

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

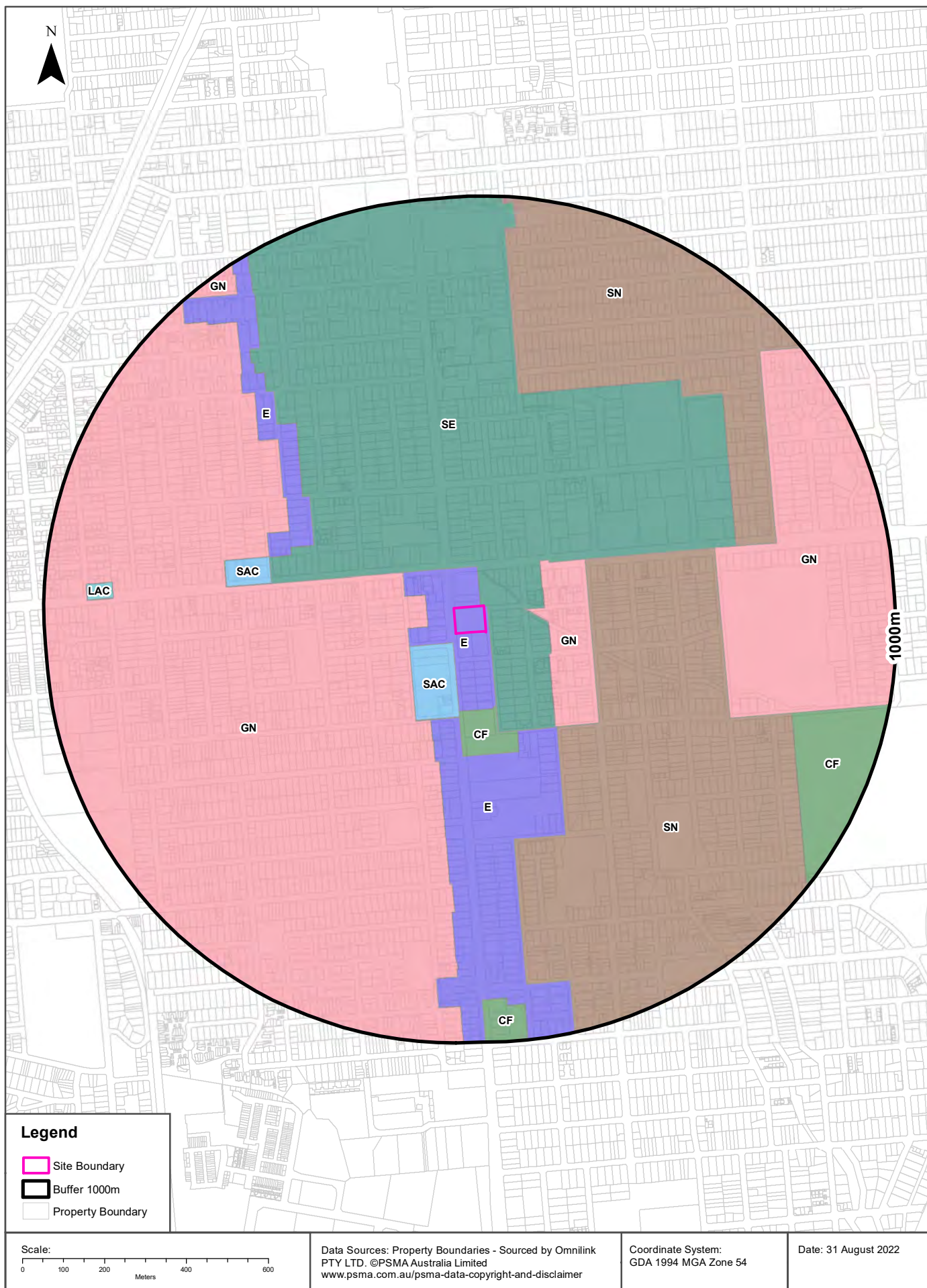
Magnesia patches within the dataset buffer:

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

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

1125 South Road, St Marys, SA 5042



Planning

1125 South Road, St Marys, SA 5042

Planning and Design Code - Zones

Planning and Design Code zones within the dataset buffer:

Map Id	Zone Code	Zone Name	Legal Start Date	Status	Distance	Direction
E	Z1501	Employment	19/03/2021		0 0m	On-site
SE	Z5720	Strategic Employment	19/03/2021		0 0m	North
SAC	Z5705	Suburban Activity Centre	19/03/2021		0 25m	South West
GN	Z2102	General Neighbourhood	19/03/2021		0 67m	West
GN	Z2102	General Neighbourhood	19/03/2021		0 99m	East
CF	Z0903	Community Facilities	19/03/2021		0 177m	South
E	Z1501	Employment	19/03/2021		0 205m	South
SN	Z5707	Suburban Neighbourhood	17/03/2022		0 254m	South East
E	Z1501	Employment	19/03/2021		0 374m	North West
SAC	Z5705	Suburban Activity Centre	19/03/2021		0 449m	West
SN	Z5707	Suburban Neighbourhood	17/03/2022		0 525m	North East
GN	Z2102	General Neighbourhood	19/03/2021		0 572m	East
CF	Z0903	Community Facilities	19/03/2021		0 769m	South East
LAC	Z3603	Local Activity Centre	19/03/2021		0 831m	West
CF	Z0903	Community Facilities	19/03/2021		0 893m	South

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

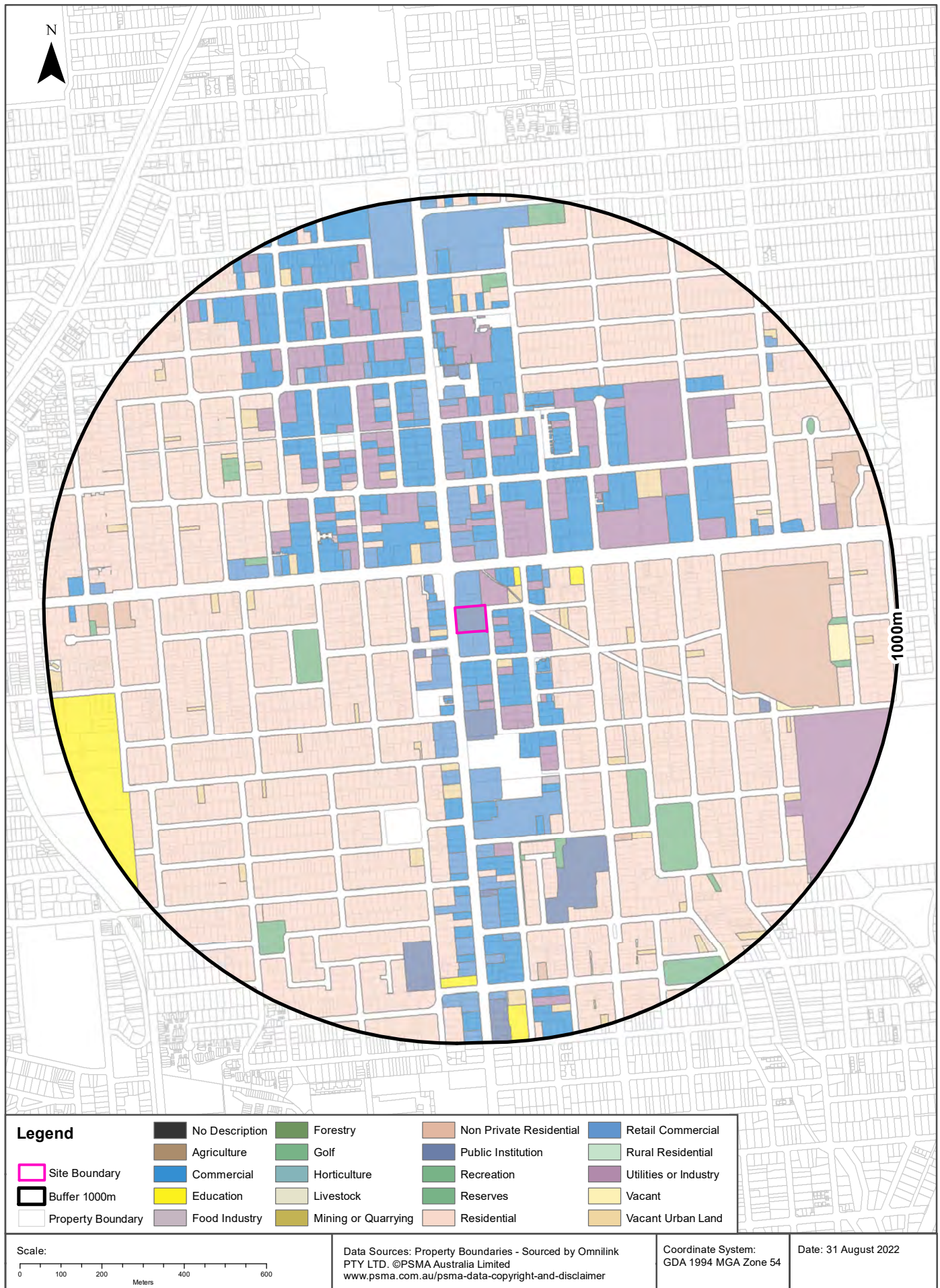
Planning and Design Code subzones within the dataset buffer:

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

1125 South Road, St Marys, SA 5042



Planning

1125 South Road, St Marys, SA 5042

Land Use Generalised

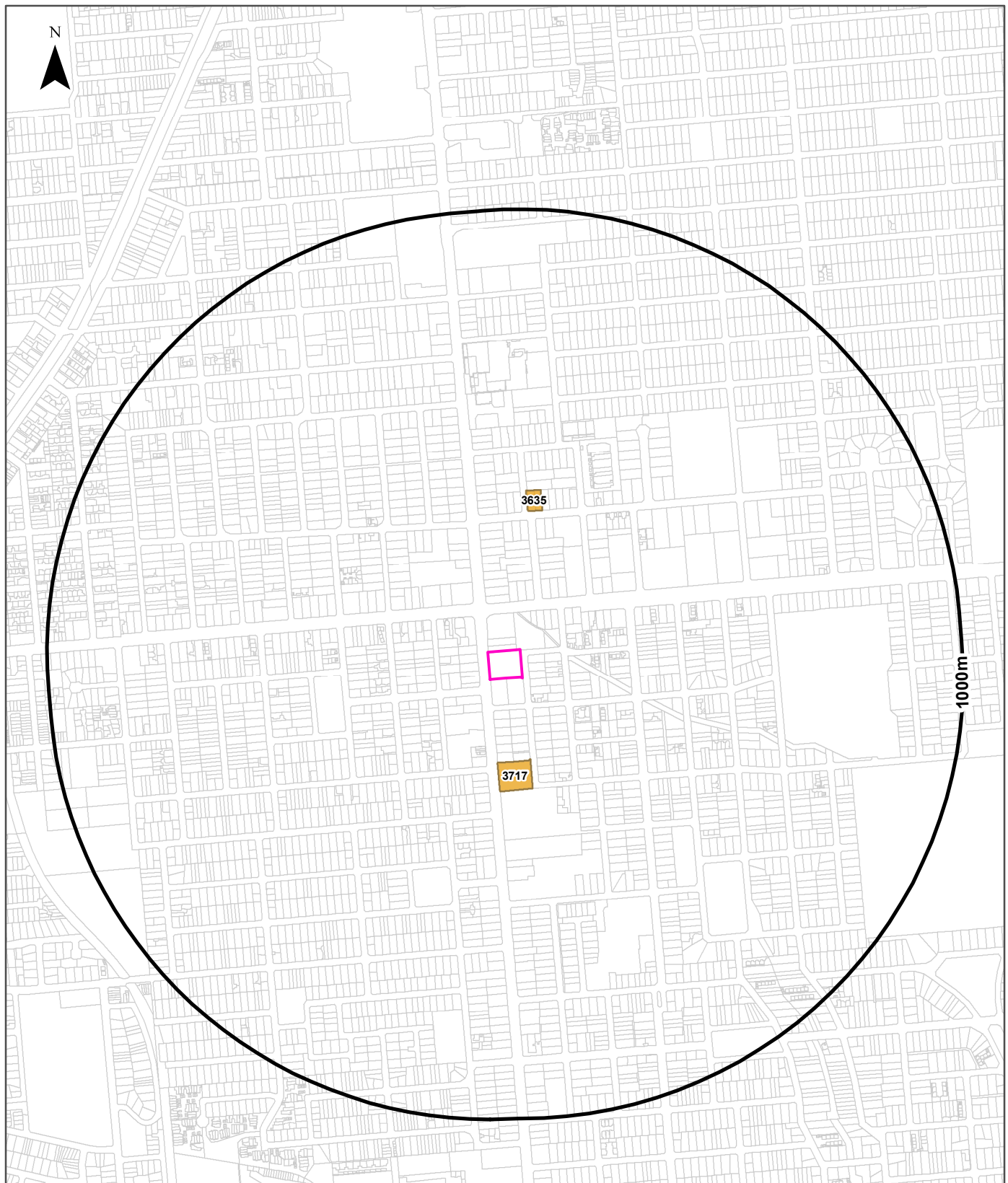
Land use classes within the dataset buffer:

Description	Distance	Direction
Public Institution	0m	On-site
Retail Commercial	0m	On-site
Utilities or Industry	0m	On-site
Commercial	15m	East
Vacant Urban Land	24m	South West
Residential	67m	West
Education	86m	North East
Food Industry	326m	North West
Reserves	337m	West
Recreation	468m	West
Non Private Residential	580m	East
Vacant	600m	North East

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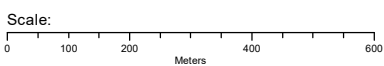
Heritage

1125 South Road, St Marys, SA 5042



Legend

- | | | |
|-------------------|---------------------|----------------------------|
| Site Boundary | State Heritage Area | Commonwealth Heritage List |
| Buffer 1000m | SA Heritage Places | National Heritage List |
| Property Boundary | Aboriginal Land | |



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Heritage

1125 South Road, St Marys, SA 5042

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
3717	1163-1165 South Road ST MARYS	State	Religious Building	St Mary's Anglican Church, Graveyard & Gates		184m	South
3635	9 Bennett Avenue MELROSE PARK	Local	Stable - Barn - Shed - Woolshed - Shearing Shed	Workshop "Snoop Security"	22/09/2005	316m	North

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

Aboriginal Land within the dataset buffer:

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

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

Natural Hazards

1125 South Road, St Marys, SA 5042

Bushfire Overlays

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

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

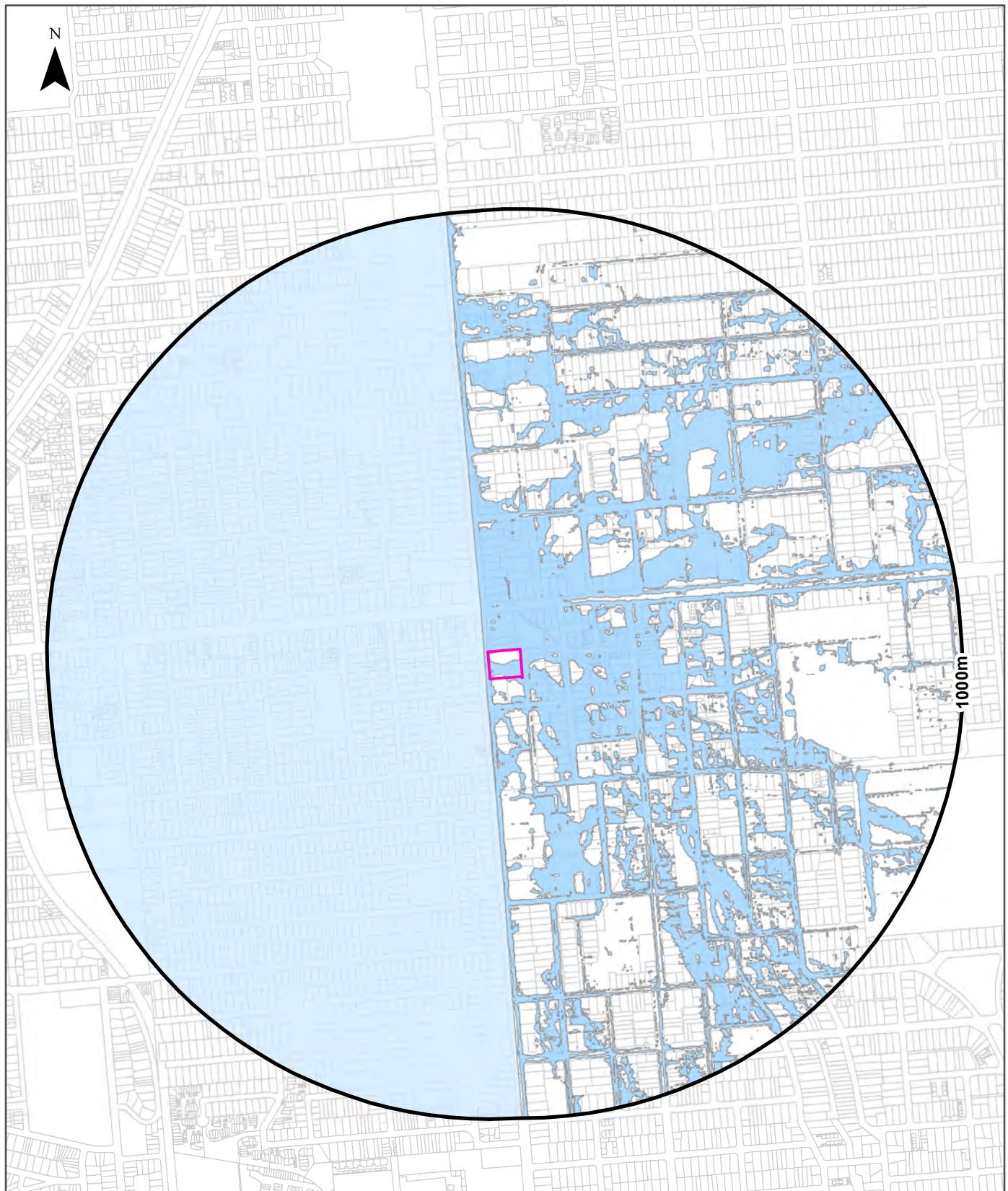
Bushfire Overlays Data Source: Attorney-General's Department - South Australia
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Bushfires and Prescribed Burns History

Bushfires and prescribed burns within the dataset buffer:

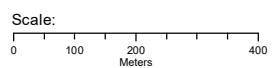
Map Id	Incident No.	Incident Name	Incident Type	Date of Fire	Area of Fire (ha)	Distance	Direction
N/A	No records in buffer						

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

- | | | |
|-------------------|------------------------------|-------------------------------------|
| Site Boundary | Flooding | Coastal Flooding |
| Buffer 1000m | Flooding - General | River Murray Flood Plain Protection |
| Property Boundary | Flooding - Evidence Required | |



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Natural Hazards

1125 South Road, St Marys, SA 5042

Flooding Overlays

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

Overlay Id	Name	Description	Legal Start	Legal End	Distance	Direction
O2414	Hazards (Flooding - General)	The Hazards (Flooding - General) Overlay seeks to minimise impacts of general flood risk through appropriate siting and design of development.	19/03/2021		0m	On-site
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.	19/03/2021		10m	West

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

1125 South Road, St Marys, SA 5042

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
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Ecological Constraints

1125 South Road, St Marys, SA 5042

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
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Ecological Constraints

1125 South Road, St Marys, SA 5042

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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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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2. The End User may not make the Report or any copies or extracts of the report or any part of it available to any other person. If End User wishes to provide the Report to any other person or make extracts or copies of the Report, it must contact the purchaser of the Report before doing so to ensure the proposed use is consistent with the contract terms between Lotsearch and the purchaser.
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- (b) waives any right it may have to claim against Third Party Content Supplier in connection with the Report, or the negotiation of, entry into, performance of, or termination of these Terms; and
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 8. To the extent permitted by law and subject to paragraph 9, all implied terms, representations and warranties whether statutory or otherwise relating to the subject matter of these Terms other than as expressly set out in these Terms are excluded.
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 11. Subject to paragraph 9, neither Lotsearch nor the End User is liable to the other for:
 - (a) any indirect, incidental, consequential, special or exemplary damages arising out of or in relation to the Report or these Terms; or
 - (b) any loss of profit, loss of revenue, loss of interest, loss of data, loss of goodwill or loss of business opportunities, business interruption arising directly or indirectly out of or in relation to the Report or these Terms,
 irrespective of how that liability arises including in contract or tort, liability under indemnity or for any other common law, equitable or statutory cause of action or otherwise.
 12. These Terms are subject to New South Wales law.

Appendix C

**Certificates of Title and SAPPA
Information**

**Historical Certificate of Title Tree
St Marys MFS Fire Station**

Current CT 5808/746

South Australian Metropolitan Fire Service
September 2000 to current



CT 3080/170 (Part Allotment 64)

The Fire Brigades Board
June 1962 to September 2000



CT 2303/18 (Allotment 64)

The Fire Brigades Board
January 1954 to June 1962



CT 2093/180 (Allotment 64)

The Fire Brigades Board
August 1950 to January 1954



CT 1503/35 (Allotments 64 and 67)

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



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 5808 Folio 746

Parent Title(s) CT 3080/170
Creating Dealing(s) CONVERTED TITLE
Title Issued 20/09/2000 Edition 1 Edition Issued 20/09/2000

Estate Type

FEE SIMPLE

Registered Proprietor

SOUTH AUSTRALIAN METROPOLITAN FIRE SERVICE
OF 99 WAKEFIELD STREET ADELAIDE SA 5000

Description of Land

ALLOTMENT 68 FILED PLAN 12879
IN THE AREA NAMED ST MARYS
HUNDRED OF ADELAIDE

Easements

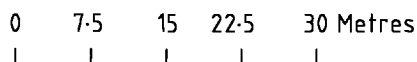
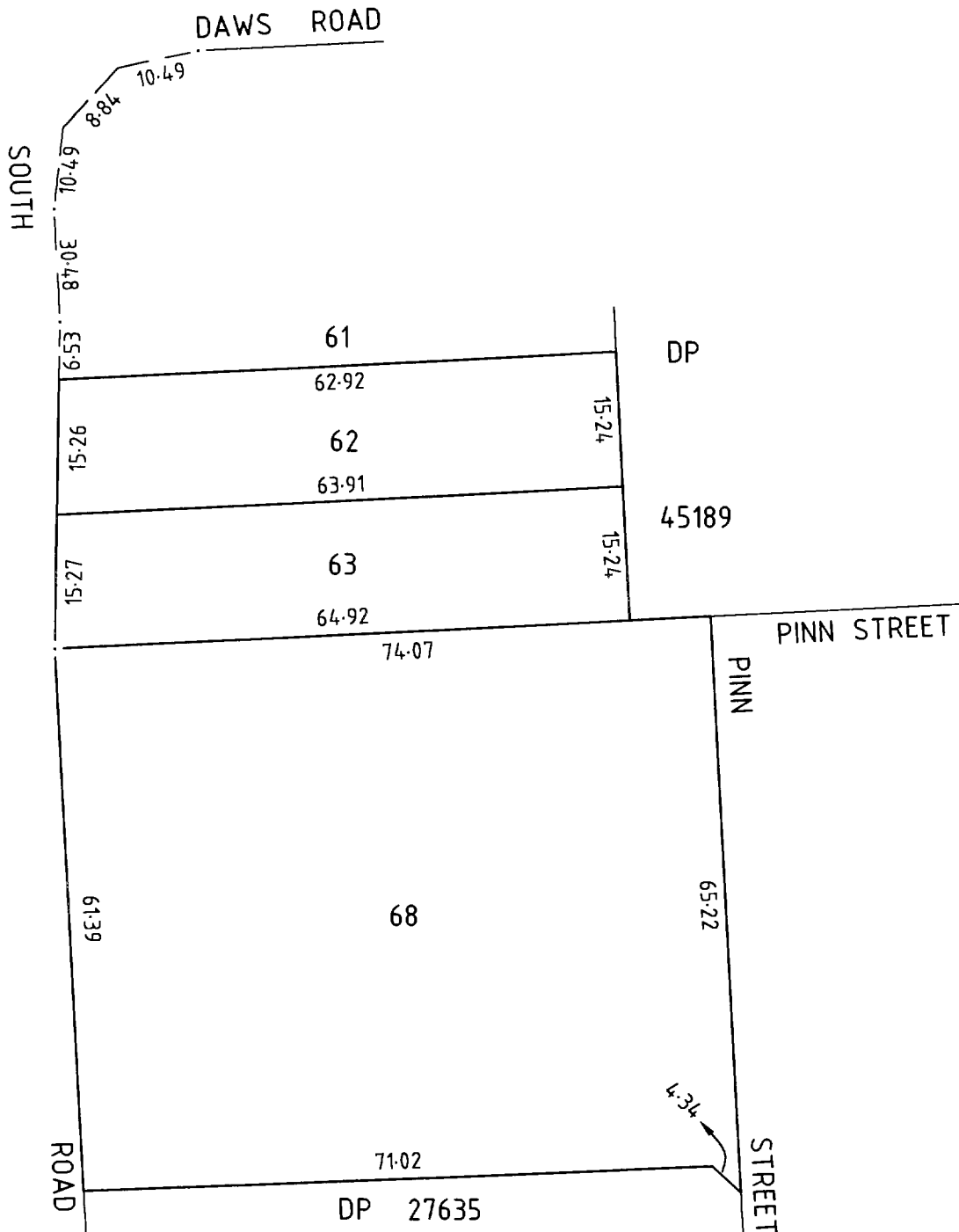
NIL

Schedule of Dealings

NIL

Notations

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



Certificate of Title

Title Reference: CT 5808/746
Status: CURRENT
Parent Title(s): CT 3080/170
Dealing(s) Creating Title: CONVERTED TITLE
Title Issued: 20/09/2000
Edition: 1

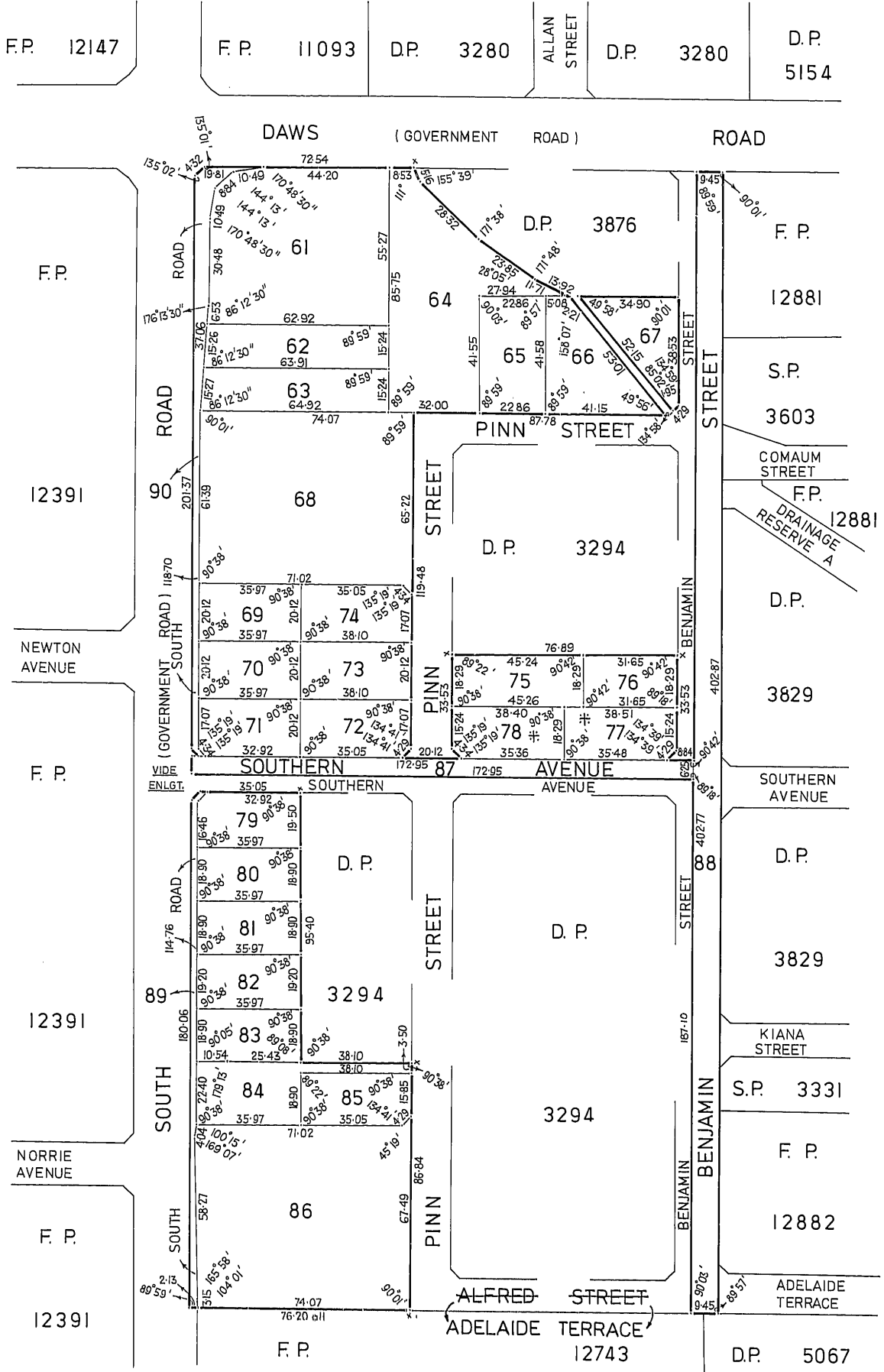
Dealings

No lodged Dealings found.

FILED PLAN NUMBER
FP 12879
 ACCEPTED FOR FILING
 Registrar-General
 21/ 2 / 1981
 Reference Map No. 6628-50-p/h
 COUNCIL
 CITY OF MITCHAM
 NARRATIVE FILE P.T. 4670603

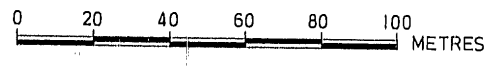
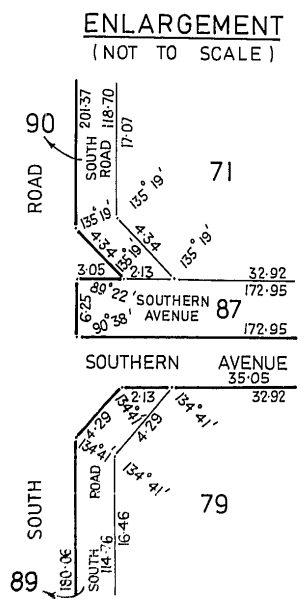
COMPILED PLAN

ALLOTMENTS 7 TO 16 INCL. 22, 23, 24, 35, 36, 55 AND 56 IN D.P. 3294
 ALLOTMENTS 1, 6, 25 TO 29 INCL. IN D.P. 3876
 ALLOTMENTS 64, 67, SOUTHERN AVENUE AND BENJAMIN STREET IN G.P. 270/1855
 OF PORTIONS OF SECTION 41
 HUNDRED OF ADELAIDE IN THE AREA NAMED ST. MARYS



Lots 77 & 78 REDEFINED VIDE DOCKET
 586/1986 (F.P. 24295)
 pro R.G. 3-2-87

CHANGE OF STREET NAMES
 ADELAIDE TERRACE VIDE DKT. 3093/1981
 PRO. PDO. 21-5-1981



NOTE
 ALLOTMENTS 87 AND 88 ARE PRIVATE ROADS

THIS PLAN WAS DRAWN IN THE
 DRAFTING PROJECTS BRANCH
 DEPARTMENT OF LANDS
 DRAWN J.P. EXAMINED B.G.

MICROFILMED
5-1-87

LTO 1

South Australia

(CERTIFICATE OF TITLE)



Register Book,

Vol. 3080 Folio 170

Balance Certificate of Title from Vol.2303 Folio 18

THE FIRE BRIGADES BOARD of 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 ADELAIDE COUNTY of ADELAIDE being PORTION OF ALLOTMENT 64 containing one acre and twenty two perches or thereabouts of the subdivision of portion of Section 41 laid out as ST. MARYS 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 General Registry Office No.270 of 1855

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 27th day of June 19 62

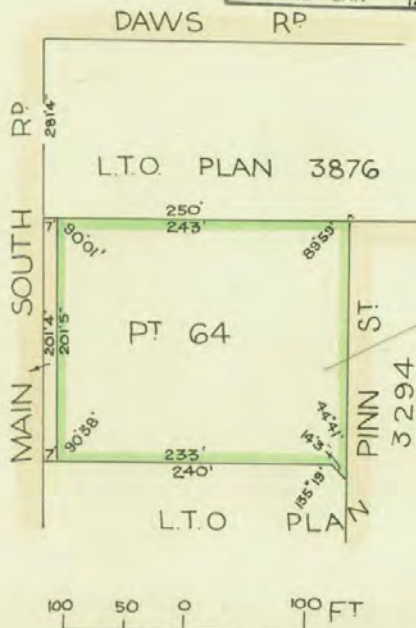
Signed the 27th day of June 1962, in the presence of Wood

G.E. Russell

Acting Registrar-General.



The land in this Certificate is
REDESIGNATED
as ALLOTMENT 68
in FILED PLAN 12879



CANCELLED
CONVERTED TO A COMPUTERISED TITLE



South Australia.

(CERTIFICATE OF TITLE.)



Register Book,

Vol. 2303

Folio 18

New Certificate of Title for the whole of the Land in Vol. 2093 Folio 180 and issued pursuant to Section 20a of the Roads (Opening and Closing) Act 1932-1946

THE FIRE BRIGADES BOARD of 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 ADELAIDE COUNTY of ADELAIDE being the ALLOTMENT 64 containing one acre and twenty seven perches or thereabouts of the subdivision of portion of Section 41 laid out as ST. MARYS and

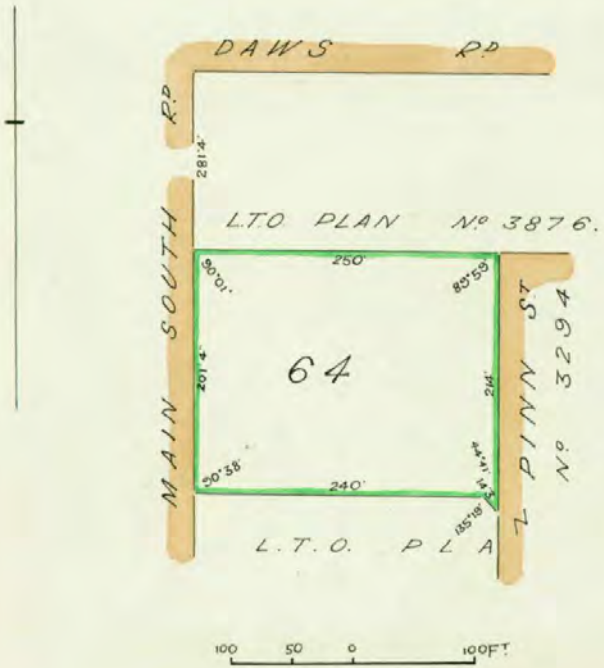
more particularly delineated and bounded as appears in the plan in the margin hereof and therein coloured green which said Allotment is bounded as appears in the plan deposited in the General Registry Office No. 270 of 1855 Which said section is delineated in the public map of the said Hundred deposited in the Land Office at Adelaide.

In witness whereof I have hereunto signed my name and affixed my seal this sixth day of January 1947

Signed the 6th day of January 1947, in the presence of *W. R. ...*

[Handwritten Signature]

Registrar-General.

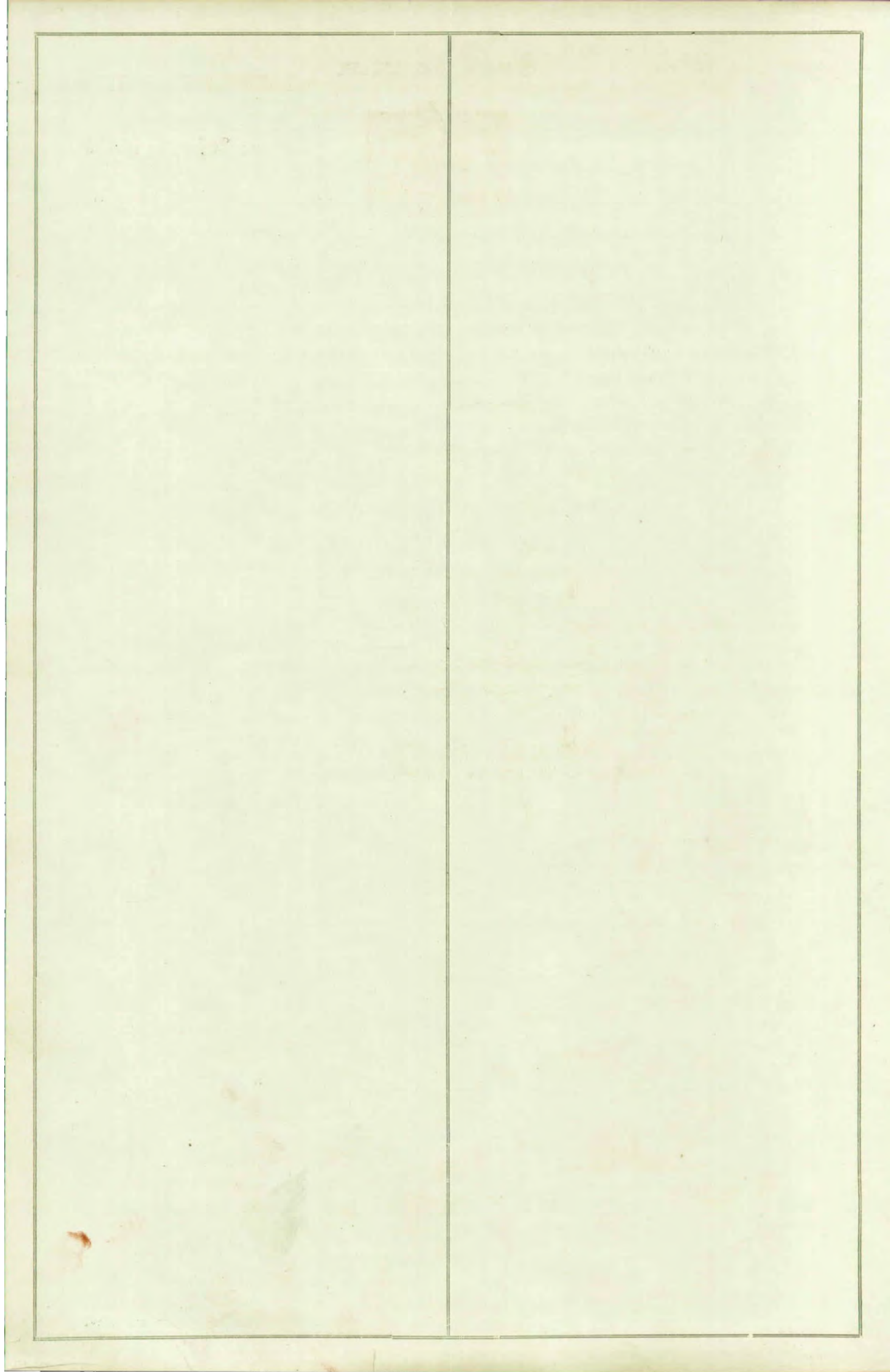


72359907
TRANSFER No. 2359907
to HER MAJESTY QUEEN ELIZABETH THE SECOND of portions OF THE WITHIN LAND. PRODUCED 14/6/1962 AT 11.5 AM
B. Nelson Hayles p. DEP. REG. GEN.

CANCELLED AS REGARDS LAND IN TRANSFER No. 2359907 THE SAID LAND HAVING BEEN ACQUIRED BY THE CROWN FOR ROAD PURPOSES.
B. Nelson Hayles p. DEP. REG. GEN.

CANCELLED
AND Balance CERTIFICATE OF TITLE
ISSUED VIDE *B. Bennet* VOL. 3080 FOL. 170
DEP. REG. GENL.

[Handwritten mark]



South Australia.

(CERTIFICATE OF TITLE.)



Register Book,
Vol. 2093 Folio 180

Pursuant to Memorandum of Transfer No.1632781 Registered on Vol.1503 Folio 35

THE FIRE BRIGADES BOARD of Wakefield Street Adelaide

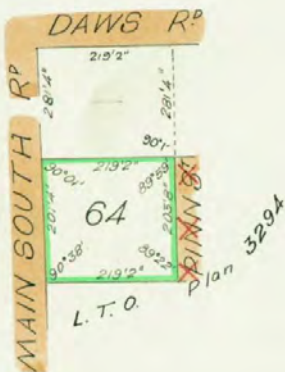
is the proprietor of an estate in fee simple
subject nevertheless to such encumbrances liens and interests as are notified by memorial underwritten or endorsed hereon in
T H A T piece of land situate in the HUNDRED of ADELAIDE COUNTY of ADELAIDE
being the ALLOTMENT 64 containing one acre and three perches or thereabouts of the subdivision of
portion of Section 41 laid out as ST.MARYS and

more particularly delineated and
bounded as appears in the plan in the margin hereof and therein coloured green which said Allotment is bounded as appears
in the plan deposited in the General Registry Office No.270 of 1855 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 *third* day of *August* 1950

Signed the *3rd.* day of *August*
1950, in the presence of *H. Lennan*

[Signature]
Registrar-General.



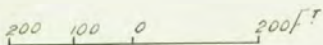
Prinn Street adjoining the within land on the east has been closed vide confirmation of Road Order in Gazette of 23rd November 1950 (Tracing No. 3716).

[Signature]
Dep. Reg. Genl.

CANCELLED

AND *[Signature]*
CERTIFICATE OF TITLE ISSUED
VIZ: *L.T.O. Letter 2156/1953*
VOL. 2303 FOL. 18.

[Signature]
DEP. REG. GENL.



--	--



Register Book,

Vol. 1503

Folio 35

Pursuant to Application No 27479

Arthur Neuffer, Thomas of North Adelaide, Bishop of Adelaide and Whitmore Blake Carr Sharebroker and Percy Emerson Johnstone Solicitor at Law of Adelaide are the proprietors of an estate in fee simple

subject nevertheless to such incumbrances liens and interests as are notified by memorial underwritten or endorsed hereon in this piece of land situated in the HUNDRED of Adelaide COUNTY of Adelaide

being the ALLOTMENTS 64 containing one acre and three perches or thereabouts and 67 containing one acre and thirteen perches or thereabouts of the subdivision of portion of section 44 laid out as at Margys and

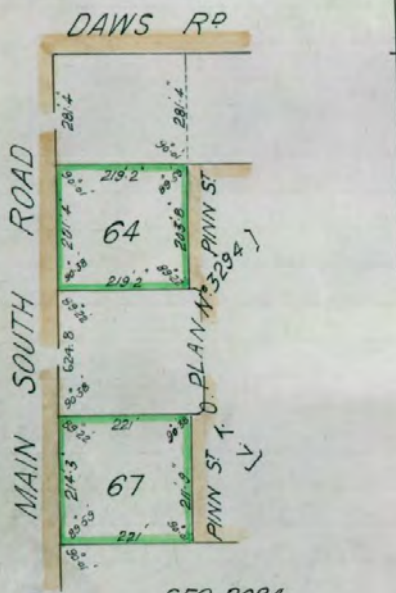
more particularly delineated and bounded as appears in the plan in the margin hereof and therein colored green and in the plan deposited in the General Registry Office No 270 of 1855 Which said Section is delineated in the public map of the said Hundred deposited in the Lands and Survey Office at Adelaide.

In witness whereof I have hereunto signed my name and affixed my seal this fourteenth day of March 1928

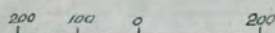
Signed the 14th day of March 1928, in the presence of Megginz

W H Walker

Registrar-General.



SEC 2084



Memorandum of Appointment No 1329211 Whereby the within land is now vested in the within named Whitmore Blake Carr and Percy Emerson Johnstone and The Very Reverend George Herbert Jose of Brougham Place South Adelaide Dean of Adelaide for an estate in fee simple pursuant to the Trustee Act 1926 produced for registration the 21 day of October 1940 at 2.45 pm

W H Walker

Memorandum of Appointment No 1377141 Whereby the within land is now vested in the within named Whitmore Blake Carr of Exchange Buildings Lord Street Adelaide Sharebroker Percy Emerson Johnstone and The Very Reverend George Herbert Jose and The Right Reverend Dorian Percival Robin of Bishop's Court North Adelaide Lord Bishop of Adelaide for an estate in fee simple pursuant to the Trustee Act 1926 produced for registration the 22 day of October 1940 at 2.25 pm

W H Walker

A/D 1632780 T/1622781

DEATH. The within named Whitmore
Stake Barr died on the 26 day of
August 1942 as appears by
Certified Copy of Certificate of Death
No. 1632780 produced for
registration the 24 day of July
1950 at 11A m.
[Signature]
Dep. Reg. Gen.

TRANSFER No. 1632781 FROM
Percy Emerson Johnstone The Very Reverend
George Herbert Gose and The Right Reverend
Brian Percival Robin to The Five Brigades
OF THE WITHIN lot 64 Boyd
PRODUCED FOR REGISTRATION THE 24 DAY OF
July 1950 AT 11am
[Signature]
DEP. REG. GENL.

CANCELLED AS REGARDS LAND IN TRANSFER
No. 1632781 AND NEW CERTIFICATE
OF TITLE ISSUED VOL. 2093 FOLIO 180
[Signature] DEP. REG. GENL.

CANCELLED

AND Balance
CERTIFICATE OF TITLE ISSUED
VIDE
VOL. 2093 FOL. 181
[Signature] DEP. REG. GENL.

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



Address Details

Scale \approx 1:1128 (on A4 page)

Unit Number:

50 metres \approx

Street Number: 1125

Street Name: SOUTH

Street Type: RD

Suburb: ST MARYS

Postcode: 5042

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

Property Details:

Council: CITY OF MITCHAM

State Electorate: WAITE (2014), ELDER (2018), ELDER (2022)

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

Hundred: ADELAIDE

Valuation Number: 081206400*

Title Reference: CT5808/746

Plan No. Parcel No.: F12879A68

Zoning details next page

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Zone Details

Zones

Employment (Z1501) - E

Overlays

Airport Building Heights (Regulated) (O0303) - All structures over 45 metres

The Airport Building Heights (Regulated) Overlay seeks to ensure building height does not pose a hazard to the operation and safety requirements of commercial and military airfields.

Advertising Near Signalised Intersections (O0305)

The Advertising Near Signalised Intersections Overlay seeks to ensure advertising near signalised intersections does not pose an unacceptable risk to pedestrian or road safety.

Future Road Widening (O1801)

The Future Road Widening Overlay seeks to ensure development will not compromise efficient delivery of future road widening requirements.

Hazards (Flooding - General) (O2414)

The Hazards (Flooding - General) Overlay seeks to minimise impacts of general flood risk through appropriate siting and design of development.

Major Urban Transport Routes (O3907)

The Major Urban Transport Routes Overlay seeks to ensure safe and efficient vehicle movement and access along major urban transport routes.

Prescribed Wells Area (O4804)

The Prescribed Wells Area Overlay seeks to ensure sustainable water use in prescribed wells areas.

Regulated and Significant Tree (O5404)

The Regulated and Significant Tree Overlay seeks to mitigate the loss of regulated trees through appropriate development and redevelopment.

Traffic Generating Development (O6001)

The Traffic Generating Development Overlay aims to ensure safe and efficient vehicle movement and access along urban transport routes and major urban transport routes.

Urban Transport Routes (O6301)

The Urban Transport Routes Overlay seeks to ensure safe and efficient vehicle movement and access along urban transport routes.

Variations

Maximum Building Height (Metres) (V0002) - 10

Maximum building height is 10m

Maximum Building Height (Levels) (V0008) - 2

Maximum building height is 2 levels

Appendix D

Site Inspection Field Record



Client: MFS		Job No: 12566684	
Job Name: MFS St Marys station VSCAP, PSI & SAQP		Date: 02/09/2022	
GHD Representative:	Vera Biermann	Arrival Time: 9.40	Departure Time: 11.00
Weather Conditions:	(Please circle) Fine Overcast Light Rain Heavy Rain Other _____		
Works Being Undertaken:	Site inspection, PFAS survey and staff interviews		
Personnel/Contractor(s) Present (List all); Inducted into GHD H&SP?		Inducted	Arrival Time
N/A			
Photographs Taken: (Please circle) Yes No If Yes, list below or attach photo register.			
Location	Time	Record of Activities / Issues Encountered / Discussions with Client/Contractors / Sketch / Notes	
Determine surrounding land uses			
North		Used car dealer, RV dealer. Beyond Daws Rd: commercial businesses including auto parts / accessory shop, communication technology business and kitchen cabinet maker.	
North-east		Powder coating business (activities include metal fabrication, welding and spray painting according to MFS staff member John; in the past droplets of spray paint have drifted from the business onto vehicles parked at the MFS station and other neighbouring properties causing complaints to the EPA.). Medical clinic and pathology lab beyond.	
East		Pinn St with commercial businesses beyond including Dario Caravans & Repairs, auto parts store (All Clutch & Brake Service), Techno Plas and a metal heat treating service (Tooling and General Heat Treatment).	
South		Service station (AMPOL) on South Road, Dario Caravans & Repairs (used to be a wrecking yard according to MFS staff member John) on Pinn St. Beyond Southern Ave: commercial businesses including 2x fitness centres, dentist, sign shop and a paint shop.	
West		South Road with commercial businesses beyond, including a print shop, mortgage broker, hair salon and medical clinic with residential properties further to the west.	
Site description (see attached site-map with mark-ups)			
		Site is mostly flat, eastern portions slope slightly down towards central gutter running east-west; western lawn area slopes slightly down towards NW corner. According to Location SA MapViewer an underground stormwater drain runs along the northern site boundary with stormwater nodes near the NW and NE corners.	
Locate on-site groundwater monitoring wells (see attached site-map with mark-ups)			
6628-31028		Std white gatic cover in lawn, 50 mm well, white well cap labeled "GW8001b 38m"; bailer cord suspended in well - assume for solinst data logger (not retrieved)	
6628-31029		Std white gatic cover in lawn, 50 mm well, black well cap; bailer cord suspended in well - assume for solinst data logger (not retrieved)	
6628-31030		Green gatic cover ("irrigation control valve") in lawn, 150 mm well, no well cap, Solinst data logger suspended in well on ~10 m bailer cord.	
6628-31306		Std white gatic cover in front apron, 50 mm well, red well cap; no data logger	
Interview with MFS staff (A shift): Station Officer James, Fire Fighter John Weston			
Historical AFFF storage on-site		Within 2 appliances, plus up to 4 x 20 L canisters for training purposes stored in shed in SE corner or between engine bay and and southern site boundary. (See mark-up on attached map)	
Historical AFFF use		Historical AFFF use on-site: 10-20 L for foam training once quarterly per shift = 16 training events / year	
Training area		Back yard mainly on lawn area (NW portion) and bitumen car park with training tower (NE portion, used to be unsealed gravel) but also on concrete rear apron (SE portion, lots of cracks in concrete).	
Wash down		Wash down after incidents with foam use: estimated 1 incident / year / 4 shifts	
Diesel UST		Diesel bowser and 8000 L UST present near eastern site boundary between gate and storage shed.	



Fruit trees	Four fruit trees present: nectarine, lemon and peach along eastern site boundary between bowser and shed; orange tree in centre of driveway behind gate on Pinn St.
Questionnaires	Received hard copy of questionnaire completed by senior fire fighter Tim Murray James will email electronic copy of Tim Murray's questionnaire; John will complete questionnaire and submit via email (both copies received via email).
Is a Notice of Proposed Variation, Variation Order or Site Instruction Required? (Please circle) Yes No	
Provide Details:	
Further Inspection and/or Testing Required on above Work:	N/A
Are there any H&S requirements to be considered for future works? no Has the site been reinstated suitably (left clean and tidy)? yes	



Well 6628-31030
(150 mm)

Foam training area (lawn)

6628-31029
(50 mm well)

6628-31028
(GW8001b,
38 m deep)

Foam training area (bitumen formerly
gravel)

Orange tree

Bowser

Peach or
nectarine tree

Lemon tree

Peach or
nectarine tree

Foam training and wash down area
(concrete with cracks)

Diesel UST

Former AFFF
storage

Former AFFF
storage

6628-31306
(50 mm well)



Marys_07_well-6628-31030-a



Marys_08_well-6628-31030-b



Marys_09_well-6628-31030-c



Marys_10_well-6628-31030-d



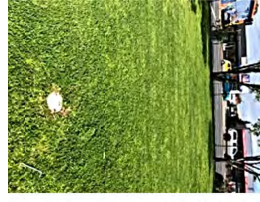
Marys_11_well-6628-31028-e



Marys_12_well-6628-31028-f



Marys_13_well-6628-31029-a



Marys_14_well-6628-31029-b



Marys_15_well-6628-31029-c



Marys_16_well-6628-31029-d



Marys_17_Pinn-St_to_SW



Marys_18_Pinn-St_to_SW



Marys_19_Pinn-St_to_W



Marys_20_Lemon-tree



Marys_21_Stn_to_W



Marys_22_NW-training-area



Marys_23_NE-training-area



Marys_24_NE-training-area



Marys_25_rear-driveway



Marys_26_SE-training-area



Marys_27_Bowser-fruit-trees-shed



Marys_28_shed-peach-tree



Marys_29_bowser-UST



Marys_30_Diesel-UST-8000L



Marys_31_UST-bowser-fruit-trees



Marys_32_SE-training-area



Marys_33_orange-tree



Marys_34_AMPOL



Marys_35_AMPOL



Marys_36_Sthn-Ave



Marys_37_Pinn-St



Marys_38_Pinn-St



Marys_39_Pinn-St



Marys_01_South-Rd-Entrance



Marys_02_front-apron



rys_03_across-S-Rd_to_Nl



s_04_training-area-west_tc



rys_05_well-6628-31306-ε



rys_06_well-6628-31306-t

Appendix E

Photographic Log

St Marys MFS Station

Site inspection 02/09/2022



Photo 1 Front entrance of station facing west on South Road



Photo 2 Front apron on South Road in front of the north-western training area, facing north



Photo 3 Grassed training area adjacent South Rd in the north-western portion of the site, facing north



Photo 4 Grassed training area adjacent South Rd in the north-western portion of the site, facing north-west



Photo 5 Training / wash down area (formerly gravel, now bitumen) with training tower adjacent Pinn St in the north-eastern portion of the site, facing north



Photo 6 Training / wash down area (formerly gravel, now bitumen) with training tower adjacent Pinn St in the north-eastern portion of the site, facing west

Site inspection 02/09/2022



Photo 7 Rear driveway / training and wash down area (concrete with cracks) facing east towards Pinn St



Photo 8 Rear apron / training and wash down area (concrete with cracks) off Pinn St, facing south-east



Photo 9 Training / wash down area (concrete with cracks) adjacent Pinn St in the south-eastern portion of the site, facing north-west



Photo 10 Diesel bowser, 8,000 L UST and fruit trees (orange, peach/nectarine and lemon) near eastern site boundary facing north



Photo 11 Peach/nectarine tree and former AFFF storage location – shed at the south-eastern site corner, facing south-east



Photo 12 Groundwater monitoring well 6628-31028 labelled GW8001b 38 m with suspended data logger in north-west training area

Site inspection 02/09/2022



Photo 13 Groundwater monitoring well 6628-31029 in north-west training area facing south



Photo 14 Groundwater monitoring well 6628-31029 in north-west training area facing west



Photo 15 Groundwater monitoring well 6628-31030 in north-west training area facing south



Photo 16 Groundwater monitoring well 6628-31030 in north-west training area facing west



Photo 17 Groundwater monitoring well 6628-31030 – 150 mm diameter with suspended solinst data logger



Photo 18 Groundwater monitoring well 6628-31306 in the front apron facing east

Appendix F

**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: St Marys SAMFS Fire Station
Name: 3 Tim MURRAY
Position when working at the site: SENIOR FIRE FIGHTER
Phone number: 82043840 Email:
Date of response: 29/8/22

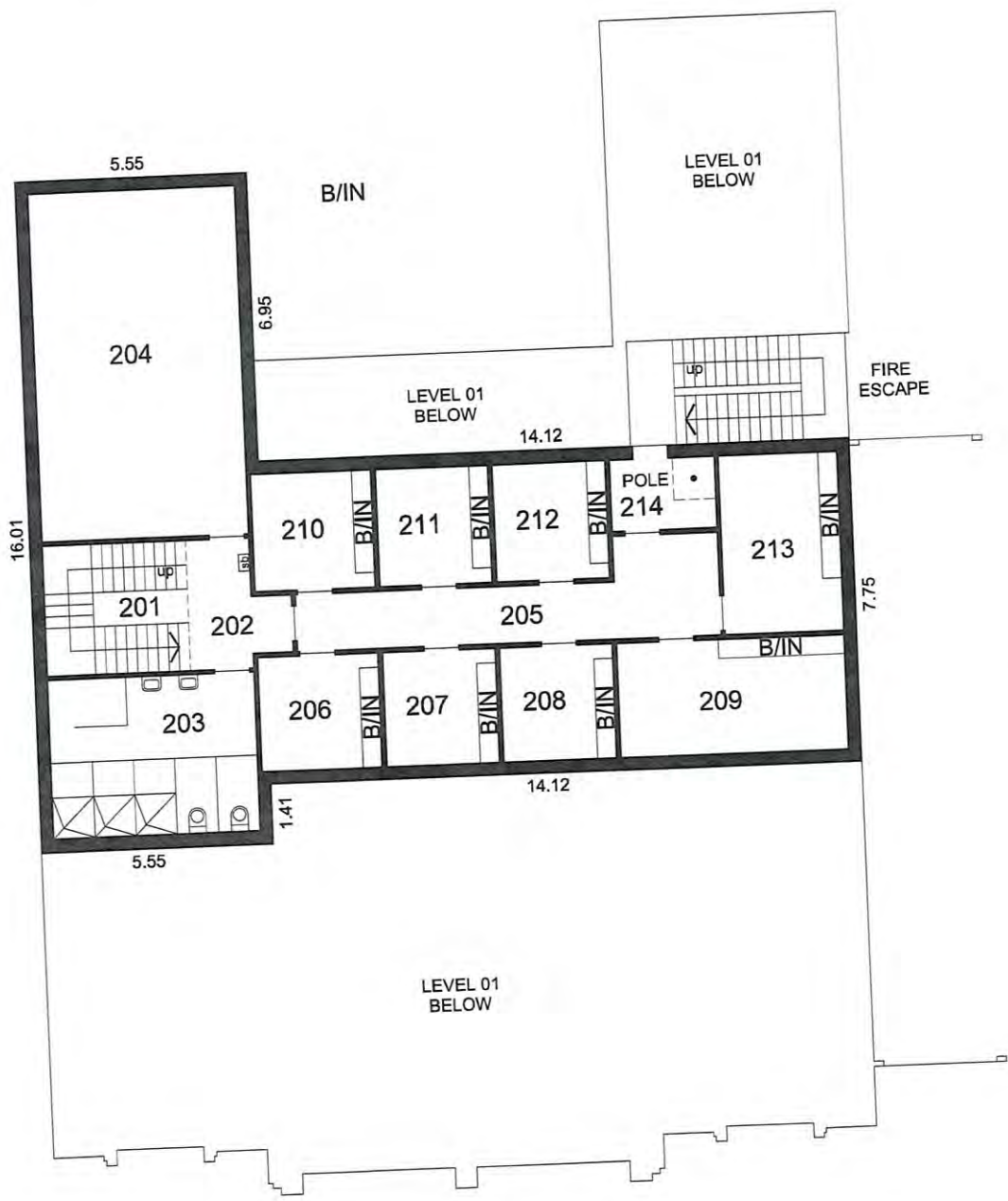
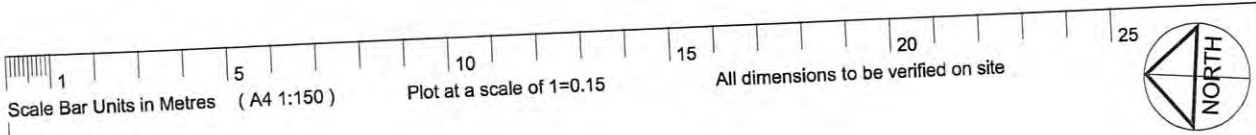
Item	Question	Response
1	When did you start working at this station?	1988
2	How long have you worked at this station?	35 yrs
3	Can you describe where stormwater from the site is usually discharged to (e.g. stormwater pit, nearby creek / pond, street gutter)?	STREET GUTTER PINN ST & SOUTH RD
4	Can you describe any changes in how stormwater has been managed at the site over time?	NIL CHANGES
5	Is stormwater harvested within the site?	No
5.1	If yes, please describe where and how stormwater is harvested.	/
5.2	For what purposes is stormwater harvested?	/
6	Are there groundwater wells / bores at the site?	No
6.1	If yes, for what purpose is groundwater used at the site?	/


Item	Question	Response
6.2	Where are the groundwater well / bores located on site? Please mark the location on the attached site plan.	/
7	Date when AFFF was first used on site?	UNKNOWN
8	Can you provide the product names of any AFFF used on the site? (e.g. Ansulite, 3M Light Water)	/
9	Was AFFF used in regular training exercises? If so:	YES
9.1	How often was the training? (e.g. weekly, monthly, quarterly)	QUARTERLY
9.2	Can you describe the location of the training areas and annotate them on the site plan?	BITUMAN AREA (FORMERLY GEF)
9.3	Can provide an estimate of how much AFFF was used in each training?	5 LITRES
9.4	Was the training ground sealed / open?	OPEN AND SEALED
9.5	Was AFFF dispersed aerially? If so, please indicate the maximum extent on the site plan?	UNKNOWN
9.6	When was the date of the last training event that included the use of AFFF?	UNKNOWN
10	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.	NOT MANAGED
11	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.	YES
12	Were there any changes how the waste water was managed over time? If so, please describe the changes.	No
13	Is there any inventory of AFFF use for the site?	No

Item	Question	Response
14	Can you estimate the total volume of AFFF used on site before it was phased out in 2016?	UNKNOWN
15	Where was AFFF stored on site? Please annotate the storage location on the site plan.	SOUTHERN SIDE OF STATION.
15.1	What type and size of storage containers were used to store AFFF on site?	20 LTR. PLASTIC.
15.2	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?	2
16	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?	CARRIED BY F/F's
17	How were spent drums of AFFF disposed of?	RTN TO STATION 20
18	Were there any wash down areas for fire trucks, equipment or AFFF containers? If so:	No
18.1	How was the waste water from such areas managed? (e.g. recycling, treatment, storage pond or discharge to drains)	NOT MANAGED
18.2	Were there any changes how the waste water was managed over? If so, please describe the changes.	No
19	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.	HAZ REAR SHED
20	Is there an incident log / register for the site?	No

Item	Question	Response
21	Are you aware of any AFFF (or other chemical) releases that may have occurred outside of typical application scenarios? If so:	No
21.1	When did such release(s) happen?	/
21.2	What substance(s) was/were released?	/
21.3	Where did such release(s) happen? Please annotate the release point(s) on the site plan.	/
21.4	Where was the released AFFF or chemical discharged to? Please annotate the discharge point(s) on the site plan.	/
22	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?	No
23	Have there been any significant bulk earthworks on the Station site that resulted in soil being relocated from one area to another?	No
24	Please describe any changes to the Station that you are aware of with respect to the storage and use of AFFF.	No CHANGES

Any other comments or notes.



Asset Name ST. MARYS SAMFS FIRE STATION		 Government of South Australia Department for Transport, Energy and Infrastructure
Building Use FIRE STATION - UPPER LEVEL		
Created by. <i>DTEI</i>	Drawn <i>G. Neubauer</i>	Date <i>Feb 2010</i>
Modified by. <i>SurvCAD</i>	Drawn <i>R.L.Chapman</i>	Date <i>Mar 2010</i>
Bldg area m ² 198	Ver area m ² -	Plan ref. -
Strategic Asset Management Information System Plan		SAMIS 09172-01-2

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:

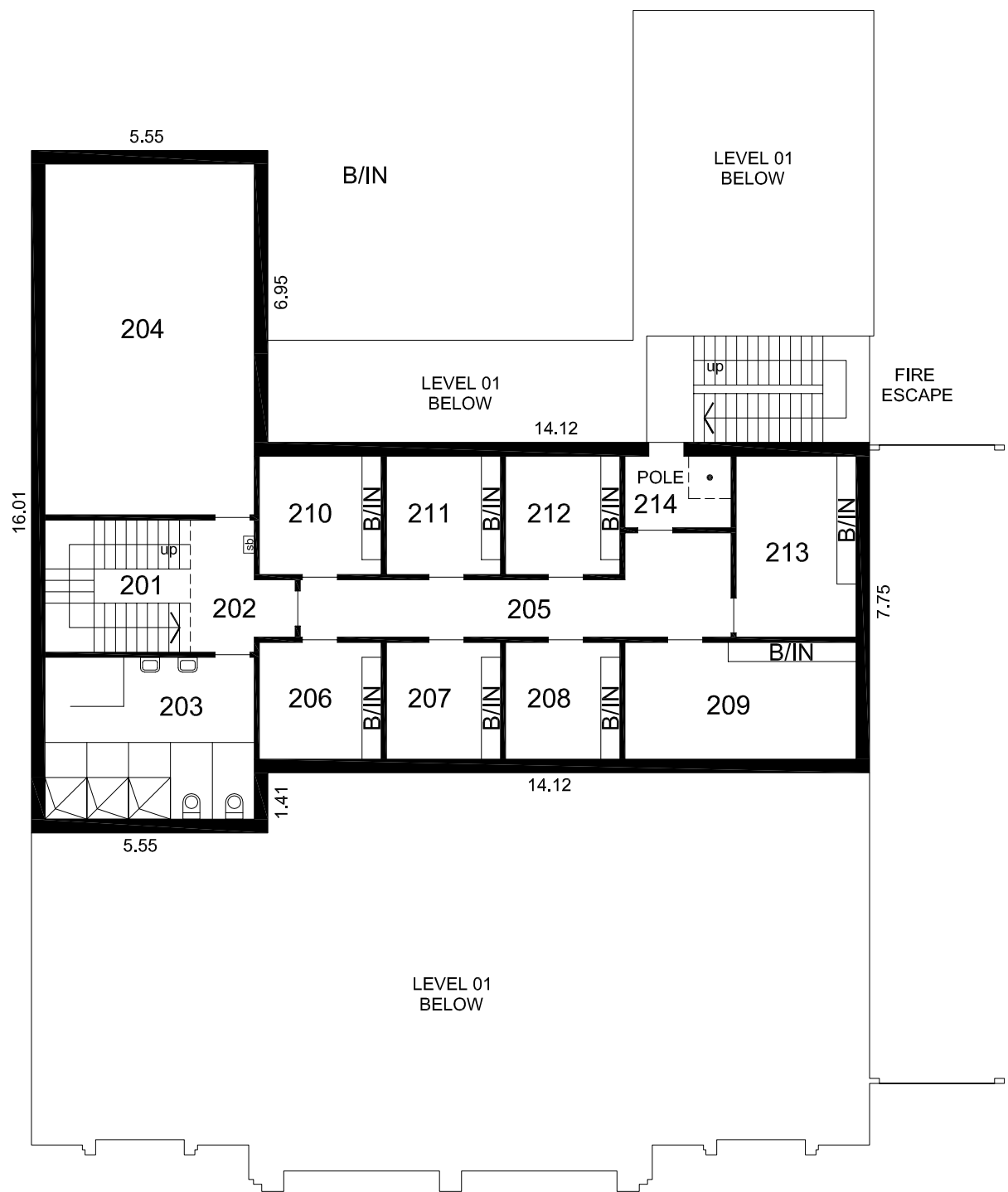
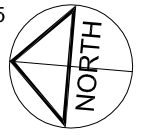
Item	Question	Response
1	<i>When did you start working at this station?</i>	
2	<i>How long have you worked at this station?</i>	
3	<i>Can you describe where stormwater from the site is usually discharged to (e.g. stormwater pit, nearby creek / pond, street gutter)?</i>	
4	<i>Can you describe any changes 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.



Asset Name **ST. MARYS SAMFS FIRE STATION**

Building Use **FIRE STATION - UPPER LEVEL**

Created by. *DTEI* Drawn *G. Neubauer* Date *Feb 2010*

Modified by. *SurvCAD* Drawn *R.L.Chapman* Date *Mar 2010*

Bldg area m² **198** Ver area m² - Plan ref. -



Government of South Australia
 Department for Transport,
 Energy and Infrastructure

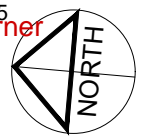
Strategic Asset Management Information System Plan

SAMIS 09172-01-2

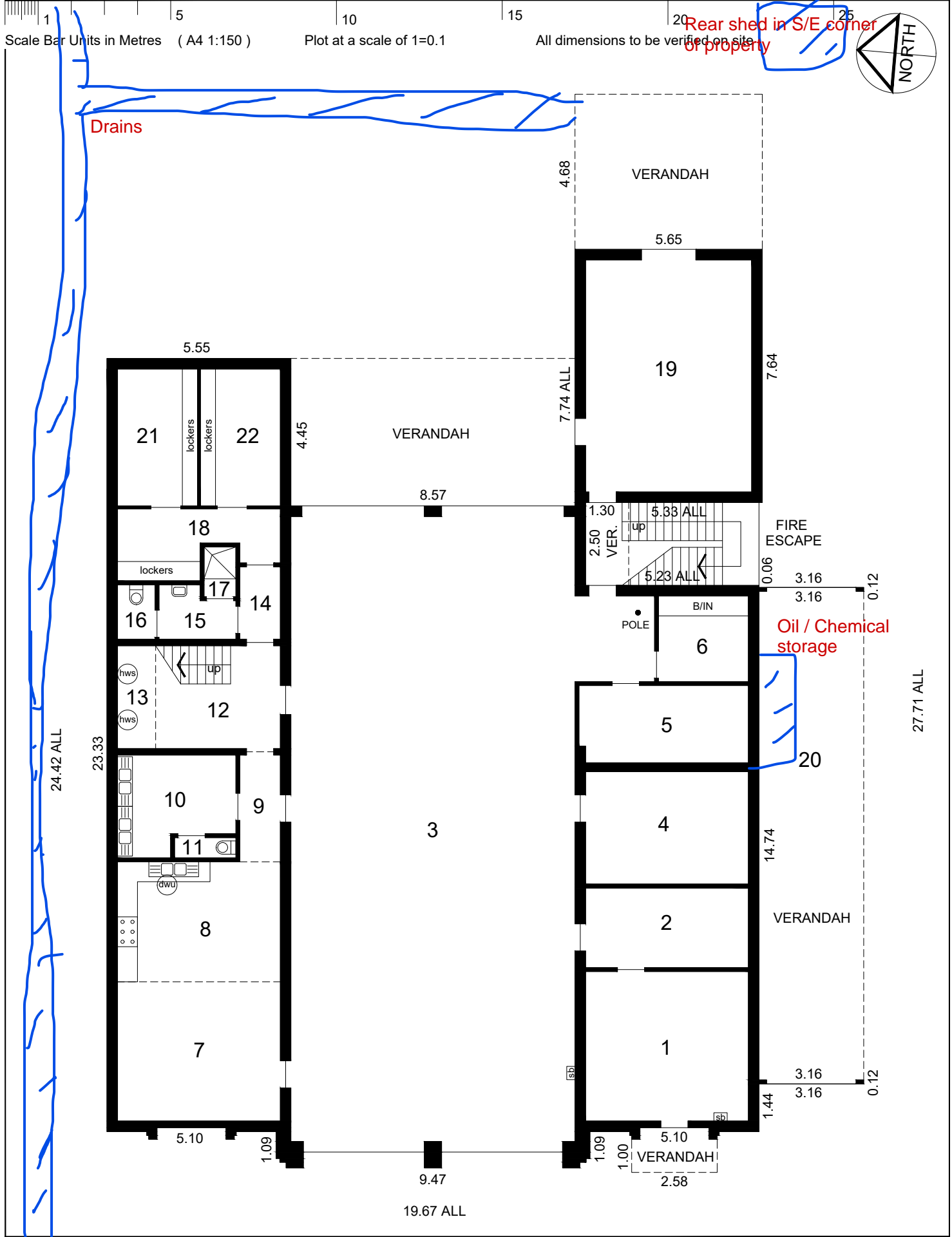
Scale Bar Units in Metres (A4 1:150)

Plot at a scale of 1=0.1

All dimensions to be verified on site
 Rear shed in S/E corner of property



Grass / Open training area



Asset Name	ST. MARYS SAMFS FIRE STATION			
Building Use	FIRE STATION - GROUND LEVEL			
Created by.	DTEI	Drawn	G. Neubauer	Date Feb 2010
Modified by.	Archink	Drawn	A Bentley	Date Mar 2020
Bldg area m ²	433	Ver area m ²	118	Plan ref. -

Government of South Australia
 Department of Planning,
 Transport and Infrastructure

Strategic Asset Management Information System Plan

SAMIS 09172-01-1

Appendix G

**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 : 109530 (74462)

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

07 September, 2022

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 5808 Folio 746
Address 1125 South Road, ST MARYS SA 5042

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

PARTICULARS OF MORTGAGES, CHARGES AND PRESCRIBED ENCUMBRANCES AFFECTING THE LAND

8. *Environment Protection Act 1993*

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

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

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

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

PARTICULARS RELATING TO ENVIRONMENT PROTECTION

3-Licences and exemptions recorded by EPA in public register

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

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

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

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

a)	details of serious or material environmental harm caused or threatened in the course of an activity (whether or not notified under section 83 of the <i>Environment Protection Act 1993</i>)?	YES
----	--	------------

- | | | |
|----|--|------------|
| b) | details of site contamination notified to the EPA under section 83A of the <i>Environment Protection Act 1993</i> ? | YES |
| c) | a copy of a report of an environmental assessment (whether prepared by the EPA or some other person or body and whether or not required under legislation) that forms part of the information required to be recorded in the public register? | YES |
| d) | a copy of a site contamination audit report? | NO |
| e) | details of an agreement for the exclusion or limitation of liability for site contamination to which section 103E of the <i>Environment Protection Act 1993</i> applies? | NO |
| f) | details of an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | YES |
| 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> ? | YES |
| c) | details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| d) | a copy of a pre-1 July 2009 site audit report? | NO |
| e) | details relating to the termination before completion of a pre-1 July 2009 site audit? | NO |

Records identified in this EPA Statement to Form 1: **SC62485-01; SC62485-02; SC62618; SC62624; SC62795**

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

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



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