

APPENDIX 5. INVESTIGATIONS - PRELIMINARY SITE INVESTIGATION



PRELIMINARY SITE INVESTIGATION

Ambo Pty Ltd

Goolwa North Code Amendment

11 September 2023

Mud Ref.: ME-536.R1.1



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EXECUTIVE SUMMARY

Mud Environmental was engaged by Ambo Pty Ltd c/- Future Urban to complete a Preliminary Site Investigation ('PSI', or site history) of the site referred to as the Goolwa North Code Amendment, South Australia ('the site'). The site location and investigation boundaries are shown in **Figure 1** in **Appendix A**.

It is understood that the PSI will be used as a reference for a Code Amendment and will be reviewed by the Environment Protection Authority (EPA) and the Department for Trade and Investment against *State Planning Commission Practice Direction 14 (Site Contamination Assessment)*.

The objectives of the assessment were:

- To identify Potentially Contaminating Activities ('PCA's') within the proposed Code Amendment area, and to provide a qualitative risk ranking in regards contamination and likely future land uses.
- Where necessary, highlight area specific constraints that may impact on the indicative land uses and provide recommendations regarding assessment or approvals that may be required to mitigate unacceptable constraints.

A PSI is a forensic study that considers multiple lines of evidence to build an understanding of the use of the site over time. Particular activities are identified that are considered to have the potential to cause site contamination, termed Potentially Contaminating Activities ('PCA's'). Chemical substances that are known to be associated with these activities are considered and documented. It is important to note that this PSI is qualitative (i.e. are based on professional judgement and experience). Often once quantified through sampling and testing of relevant media (soils, groundwater, soil vapour etc.), potential contamination issues identified in the PSI do not result in actual site contamination.

In this instance, qualitative risk rankings have been provided for the identified potentially contaminating activities to prioritise future investigations that are required to confirm whether actual site contamination exists.

Most of the site has been used for broad acre agricultural uses (livestock grazing, minor cropping) since the early 1900's. No evidence of intensive agricultural activities have been identified in the research to date. It is considered that these land uses present a low risk of contamination that would significantly impact on the proposed Code Amendment. Two farm storage and work areas are located in the southern part of the land.

Some activities identified within the Code Amendment in the PSI present a moderate or high risk of contamination, as discussed in detail in **Table 11** and presented in **Figure 1**, and summarised below:

High risk:

1. Sheep dip at one location on-site

Moderate risk:

- 2. Fill or soil importation around buildings;
- 3. Waste burial areas, including animal carcasses at various locations;
- 4. Liquid chemical substances storage in sheds near shearing sheds on the eastern and western parts of the site;

The following activities were identified off-site that are considered to have the potential to impact on the subject site, as discussed in detail in **Table 11** and presented in **Figure 1**:

Moderate risk:

- 1. Railyard located adjacent the central southern boundary; and
- 2. Rail line that runs through the middle of the site.

It is considered that these areas warrant intrusive quantitative investigations to confirm the presence / absence of site contamination in the context of the proposed land use(s). In accordance with SA EPA guidelines and terminology, these investigations should be in the form of a Detailed Site Investigation, which will determine whether remediation is required in the context of the proposed land use(s). This work is required to be undertaken at planning consent stage in accordance with State Planning Commission Practice Direction 14 (Site Contamination Assessment).

This report and the opinions expressed above are subject to the limitations presented in **Section 7**. It is important that the reader make themselves aware of these limitations.

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APPENDICES

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1 INTRODUCTION

Mud Environmental was engaged by Ambo Pty Ltd c/- Future Urban to complete a Preliminary Site Investigation ('PSI', or site history) of the site referred to as the Goolwa North Code Amendment, South Australia ('the site'). The site location and investigation boundaries are shown in **Figure 1** in **Appendix A**.

It is understood that the PSI will be used as a reference for a Code Amendment and will be reviewed by the Environment Protection Authority (EPA) and the Department for Trade and Investment against *Practice Direction 14 - Site Contamination Assessment 2021*.

The site boundary and surrounding land was previously subject to a Development Plan Amendment ('DPA') which did not proceed to approval stage. Part of the information used in the DPA has informed this assessment.

1.1 What is a PSI?

A PSI is a forensic study that considers multiple lines of evidence to build an understanding of the use of the site over time. Particular activities are identified that are considered to have the potential to cause site contamination. Chemical substances that are known to be associated with these activities are considered and documented.

It is important to note that PSI's are typically qualitative (i.e. are based on professional judgement and experience) but may also be quantitative through sampling and testing of relevant media (soils, groundwater, soil gas etc.). Any potential contamination issues identified in the PSI may not necessarily result in actual site contamination. In this instance, qualitative risk rankings have been provided for the identified potentially contaminating activities to assess the likelihood of any potential contamination existing at the site as well as quantitative testing of soil samples for relevant chemicals of interest.

In addition, the 'Class' of each activity as defined in *Practice Direction 14 - Site Contamination Assessment 2021* issued by the State Planning Commission under Sections 42 and 127 of the *Planning, Development and Infrastructure Act, 2016* is included so that a Site Contamination Declaration Form (provided under separate cover) can be provided.

1.2 Objectives

The objectives of the assessment were:

- To identify Potentially Contaminating Activities ('PCA's') within the proposed Code Amendment area, and to provide a qualitative risk ranking in regards contamination and likely future land uses.
- Where necessary, highlight area specific constraints that may impact on the indicative land uses and provide recommendations regarding assessment or approvals that may be required to mitigate unacceptable constraints.

1.3 The Site

Site details are presented in **Table 1** below.

Table 1 - Site Details

Category	Details	
Street Address	Goolwa Growth Areas Code Amendment, Goolwa, SA 5214	
Certificates of Title	Certificates of Title:	
 Volume 5413 Folio 829, Allotment 4 Deposited Plan 22658 Volume 5463 Folio 531, Section 2400 		
	 Volume 5463 Folio 532, Section 2403 	
	 Volume 5463 Folio 529, Section 2417 	
	 Volume 5463 Folio 531, Section 2418 	

Category	Details ■ Volume 6071 Folio 445, Section 2419		
	Volume 5463 Folio 530, Section 2420		
	in the Area named Goolwa		
	Hundred of Goolwa		
	Copies of the current and historical Certificates of Title are included in Appendix B .		
A copy of the Property Location Browser map and associated summary the street addresses which match the above Certificates of Title is provi Appendix C .			
Owner(s)	Ambo Pty Ltd		
Area of Site	Approximately 2.41km² (241 hectares)		
Municipality	Alexandrina Council		
Zoning and Land Use	Rural (Ru)		
	The zoning and land use plans for the site are included in Appendix D.		
Current Use	It is understood that the site is predominantly occupied by farmland.		
Proposed Future Use	Various land uses likely, including residential, recreational / open space and commercia uses.		

2 REGULATORY FRAMEWORK

2.1 Legislation + Guidance

In South Australia, the assessment, management and remediation of site contamination is governed by the *Environment Protection Act*, 1993 and the *Environment Protection Regulations*, 2009. The *Environment Protection Act*, 1993 defines site contamination as follows:

Section 5B - Site Contamination

- (1) For the purposes of this Act, site contamination exists at a site if—
 - (a) chemical substances are present on or below the surface of the site in concentrations above the background concentrations (if any); and
 - (b) the chemical substances have, at least in part, come to be present there as a result of an activity at the site or elsewhere; and
 - (c) the presence of the chemical substances in those concentrations has resulted in-
 - actual or potential harm to the health or safety of human beings that is not trivial, taking into account current or proposed land uses; or
 - (ii) actual or potential harm to water that is not trivial; or
 - (iii) other actual or potential environmental harm that is not trivial, taking into account current or proposed land uses.
- (2) For the purposes of this Act, environmental harm is caused by the presence of chemical substances—
 - (a) whether the harm is a direct or indirect result of the presence of the chemical substances; and
 - (b) whether the harm results from the presence of the chemical substances alone or the combined effects of the presence of the chemical substances and other factors.
- (3) For the purposes of this Act, site contamination does not exist at a site if circumstances of a kind prescribed by regulation apply to the site.

A key aspect in the definition of site contamination, is whether chemical substances have been added to the site through an activity and whether these substances are above background concentrations. This is what the PSI, and any subsequent targeted site investigations aim to assess (if completed). Where chemical substances have been determined to be present due to an activity above background concentrations, the targeted soil investigations determine whether these concentrations have resulted in actual or potential harm to the health or safety of human beings or the environment that is not trivial.

If site contamination is determined to be present at a site, the *Environment Protection Act, 1993* provides mechanisms to assign responsibility for the contamination and appropriate assessment and remediation / management of the site contamination.

The primary reference for the assessment and management of site contamination in South Australia are the SA EPA (2018) 'Guidelines for the assessment and remediation of site contamination', updated November 2019 (herein referred to as the 'GAR').

Other key documents referenced in the GAR include:

- EPA 'Guidelines for the site contamination audit system' (2019).
- EPA 'Guideline for the assessment of background concentrations' (2018).
- EPA 'Site contamination policy: certification of practitioners' (2018).
- EPA 'Site contamination: regulatory and orphan site management framework' (2017).
- EPA 'Site contamination: honesty in reporting' (2008).
- PFAS National Environmental Management Plan (Version 2.0, updated January 2020).
- National Environment Protection (Assessment of Site Contamination) Measure, 1999 (as amended 2013 ('ASC NEPM').
- NHMRC 'Australian Drinking Water Guidelines' (2011, updated November 2018).
- WHO 'Guidelines for drinking water quality' (updated 2022).
- NHMRC 'Guidelines for Managing Risks in Recreational Water' (2008).

 ANZG 'Australian and New Zealand Guidelines for Fresh and Marine Water Quality' (August 2018).

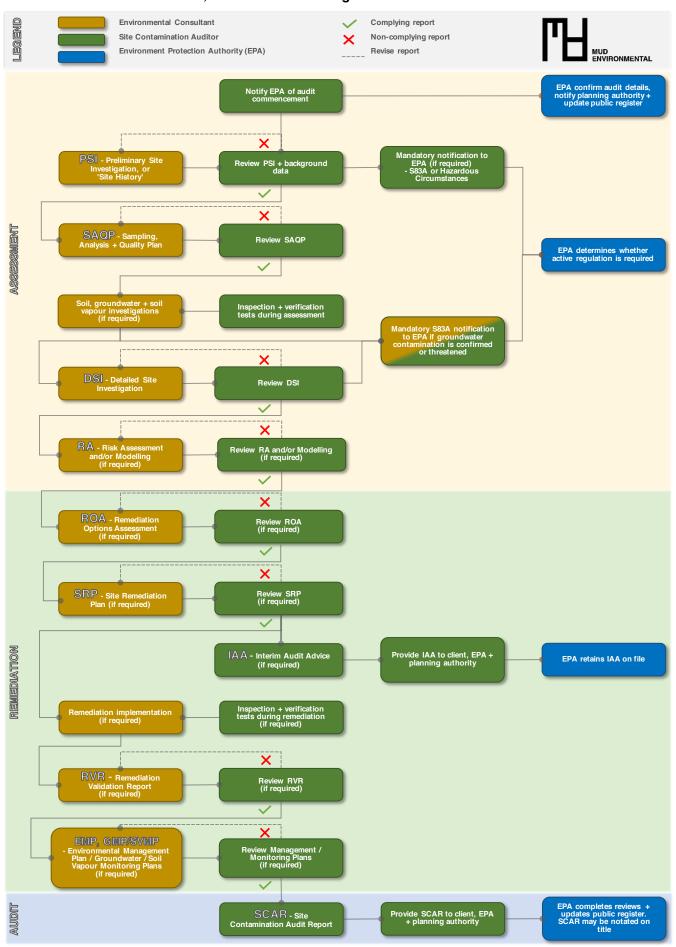
In addition, the following relevant South Australian publications, guidelines and Australian Standards were referenced in relation to potentially contaminating activities in preparation of this PSI report:

- Schedule 3 of the Environment Protection Regulations, 2009;
- Australian Standard AS4482.1-2005 'Guide to the investigation and sampling of sites with potentially contaminated soil, Part 1: Non-volatile and semi-volatile compounds'; and
- Edwards J.W., Van Alphen M and Langley A. 'Identification and Assessment of Contaminated Land: Improving Site History Appraisal' Contaminated Sites monograph Series No 3, SA Health Commission, Adelaide (1994).

2.2 Assessment, Remediation + Auditing of Site Contamination in South Australia

The flowchart presented as **Chart 1** overleaf outlines a typical assessment, remediation and audit project in South Australia, including the various tasks completed by the assessment consultant, auditor and EPA. The PSI is fundamental in this process as it is the foundation upon which all intrusive investigations (if deemed warranted) should be built.

Chart 1 - Assessment, Remediation + Auditing of Site Contamination in South Australia



3 PRELIMINARY SITE INVESTIGATION

3.1 Approach

The site is a large rural landholding of 241 hectares located on the outskirts of Goolwa. Most of the land is farming land owned by a single entity.

Access was granted to most of the land, however due to commercial arrangements not all of the land was inspected in detail. Two detailed reports were provided by the majority landholders of the previous DPA, which are appended to this report.

On this basis, the PSI aimed to complete searches of all readily available public information, complete a site inspection and drive-by and review of existing reports into an ASC NEPM compliance PSI format. It is envisaged that this report will be used as the foundation of future environmental investigations to ensure that known areas and chemicals of interest are contemplated should the site be redeveloped in the future.

3.2 Sources of Information

Table 2 presents the lines of evidence considered as part of this investigation, and how they add value to the considerations of source areas and activities.

Table 2 - Sources of Information

How is this information useful?		
Topography and drainage, geology and hydrogeology are important to understand how any contamination might behave in the environment. Existing site features both on the site and surrounding the site provide an indication of potentially contaminating activities om the site and surrounds.	3.3	
The site inspection and land use often identifies areas and chemicals of interest based on the professional experience and judgement of the person involved. Qualified and experience personnel from Mud Environmental have inspected the site.		
Similar to ownership, business directories provide an indication of business activities on the site and surrounds over time.	3.5	
Historical ownership provides an understanding of which entities owned the land during certain historical activities.		
Historical aerial photographs provide an indication of activities and land use over time. This visual information can be used to identify higher risk activities and inform targeted assessment works.		
Identifies certain historical activities that may be useful.		
Interviews with persons having relevant historical knowledge of the site (where available) is often invaluable in identifying potentially contaminating activities.		
Information from the EPA Public Register, Site Contamination Index and Section 7 searches identifies confirmed contamination issues in the area		
Information from AirServices Australia and Department of Defence websites identifies PFAS contamination in the area.		
Existing environmental reports in the area can provide an understanding of the nature and extent of soil, groundwater and soil vapour impacts can be combined with other knowledge such as groundwater flow direction to determine the source zones		
	Topography and drainage, geology and hydrogeology are important to understand how any contamination might behave in the environment. Existing site features both on the site and surrounding the site provide an indication of potentially contaminating activities om the site and surrounds. The site inspection and land use often identifies areas and chemicals of interest based on the professional experience and judgement of the person involved. Qualified and experience personnel from Mud Environmental have inspected the site. Similar to ownership, business directories provide an indication of business activities on the site and surrounds over time. Historical ownership provides an understanding of which entities owned the land during certain historical activities. Historical aerial photographs provide an indication of activities and land use over time. This visual information can be used to identify higher risk activities and inform targeted assessment works. Identifies certain historical activities that may be useful. Interviews with persons having relevant historical knowledge of the site (where available) is often invaluable in identifying potentially contaminating activities. Information from the EPA Public Register, Site Contamination Index and Section 7 searches identifies confirmed contamination issues in the area. Information from AirServices Australia and Department of Defence websites identifies PFAS contamination in the area. Existing environmental reports in the area can provide an understanding of the nature and extent of soil, groundwater and soil vapour impacts can be combined with other knowledge such as groundwater flow direction to determine the source	

3.3 Physical Environment

3.3.1 Topography, Drainage, Geology, Hydrogeology

Information was obtained from various sources relating to the physical environment of the site. This information is presented in **Table 3** overleaf.

3.4 Use of the Site + Surrounds

3.4.1 Site Layout + Current Use

A site inspection was originally completed by an experienced environmental scientist from Mud Environmental on 11 August 2020, and a subsequent update inspection on 27 July 2023.

Photographs collected during the site inspections are included in **Appendix G**.

A summary of site features observed during the site inspection are presented in **Table 4** overleaf.

Table 3 – Topography + Drainage, Geology, Hydrogeology

Information	Source	Why this is useful	Site specific information		
Topography + Drainage	Site inspection	Topography and drainage provide an indication of the	Available aerial imagery indicates that the site is predominantly utilised for agricultural purposes, with a small number of associated buildings (sheds).		
		likely direction of movement of surface and subsurface contamination, especially in respect to any nearby sensitive human or ecological receptors.	Surface elevation at the site rises from approximately 2m Australian Height Datum (mAHD) on the south eastern site boundary to approximately 22m AHD in the north / north west corner of the site.		
	DEWNR		Surface water runoff is likely to be to the south / south east towards the Goolwa or Lower Murray and which is located betweer 700 to 1000m to the south east of the sites south eastern boundary. There is also potential for run off towards Currency Creek located a similar distance to the north east of the site. Currency Creek feeds into the Goolwa or Lower Murray river. Appendix E presents the topographical features surrounding the site.		
	Lotsearch Report		Appendix E procente the topographical rotatales surrounding the site.		
Geology	DEWNR 1:100 000	The geological conditions at a	The geology underlying the majority of the site comprises the Bridgewater Formation, comprising coastal barrier and shallow		
	Geological Map	site help understand how contamination moves in the environment, particularly risks to groundwater associated with surface releases or contamination issues.	subtidal sediments: bioclastic and aeolian cross-bedded calcarenite, palaeosol horizons, often capped by calcrete. A section along the northern boundary of the site is recorded as comprising undifferentiated Quaternary rocks.		
	DEWNR Atlas of Australian Soils		The vast majority of soils at the site are considered to be negligible when considering watertable induced soil salinity parameters, with the exception of a small portion of the south eastern site boundary where moderately high / very high levels have been recorded.		
			The vast majority of soils at the site are considered to be moderately low when considering non-watertable induced soil salinity parameters, with the exception of a number of independent areas where moderate levels are recorded.		
			The soils beneath the entire site are considered to be negligible when considering non-watertable (magnesia patches) induced soil salinity parameters.		
			The majority of the soils are classified as Sodosol soils comprising: plains with tracts of dunes: plains of sandy alkaline yellow mottled soils and related soils with various saline		
			(unclassified) in the lower-lying situations; dunes of leached sands substrata of both limestone and clay.		
	DEWNR Atlas of Australian Acid Sulphate Soils	-	A review of the acid sulphate soils map indicated the majority of the site is located in an area of low to extremely low probability of acid sulphate soil occurrence		
Hydrogeology	<u> </u>		The site is outside of the study boundary.		
	The Department of	assists with the determination	The groundwater aquifer beneath the site is considered to be within Quaternary sediments.		
	Water (DEW)	of the risk to ground or surface water and the likely impact this may have on its beneficial use.	A search of licensed groundwater wells within a 2 kilometre radius of the site was undertaken.		
	WaterConnect Database		36 wells were identified at the locations shown on the plan included in Appendix F . Of these where recorded, sixteen (16) was installed to depths of 20m or greater, which suggests that the remaining wells are installed in shallower aquifers.		
	(refer to Appendix G)		Where recorded, the shallower wells (less than 20m) returned standing water level (SWL) measurements of between 0.53m and 14.40m bgl with total dissolved solids (TDS, or salinity) concentrations of between 855 mg/L and 29,663 mg/L, indicating that the groundwater in the area of the site was of very low to very high salinity. The SA EPA (2018) <i>Guidelines for the Assessment and Remediation of Groundwater Contamination</i> considers that groundwater with TDS concentration less than 1,200 mg/L is suitable as a potential drinking water supply. Only two (2) of the shallower wells are listed as being both operational and for domestic purposes. These wells are located between 1629m south east and 1646m south west of the site respectively.		
		_	A number of irrigation boreholes are highlighted within the site boundary, but all are recorded as being backfilled.		
	Local setting		The area is part of a dynamic system influenced by the flow of River Murray water from Lake Alexandrina via barrage releases and tidal movement from the Southern Ocean.		

Table 4 - Site Layout + Current Use

Item	Detail			
Status	The site was generally flat to slightly undulating farmland.			
	A number of buildings are present on the Narrows land:			
	 Two small sheds (disused) with concrete floors containing numerous empty chemical containers. The northern shed also contains large quantities of netting; 			
	 a dilapidated shearing shed with timber slatted floor and associated spray dip; cattle yards; 			
	 a former shed with only minor parts of the frame and corrugated iron remaining next to the hay bales storage area; and 			
	 an implement shed (in use). 			
	The following additional observations were made:			
	 A stockpile of soil, rock and concrete fragments is present north of the shearing shed which is heavily covered in vegetation. 			
	 The south-eastern boundary is lined by a drainage swale. 			
	The locations of each of these areas is shown in Figure 1 in Appendix A.			
Utility services	 Due to the size of the site it is not feasible to obtain detailed Dial Before You Dig plans. Locations of most services are however available on the Location SA website. Figure 2 in Appendix A shows the location of the following services within the site: SA Power Networks Water mains 			
	The following services were not included in the site area on the plan:			
	 Wastewater and stormwater (as these are run by Council the plans are not included in the state datasets) 			
	 Gas 			
	 Telecommunications 			
Security	 The site is defined by typical farm fencing along all boundaries. 			
Surface condition	No visual or olfactory evidence of odours or staining.			
and observations	 The site is mostly unsealed farmland used for grazing except for areas around farm buildings where some fill material is present. 			

3.4.2 Surrounding Land Uses

The surrounding land uses noted from the site inspection and aerial photograph review are presented in **Table 5**.

Table 5 - Surrounding Land Uses

Direction	Detail	
North	Undeveloped / agricultural	
East	Residential / Goolwa	
South	Residential / Goolwa / undeveloped / agricultural / railway yard and line	
West	Undeveloped / agricultural	

Most of the surrounding land is considered low risk, however the rail yard and railway line located adjacent the southwestern part of the site has the potential to cause contamination that may impact on the subject site. This is discussed further in **Section 5**.

3.5 Business Directories

A review of available Historical Business Directories within a 150m buffer of the site has been undertaken as part of the PSI. Copies of the Historical Business Directories are included in **Appendix H**.

No potentially contaminative businesses or activities were identified within the site boundary.

However, a number of historical off-site potentially contaminative businesses were identified in the 1991 directory listing:

- A fertilizer suppliers / garden supplies business is identified 84m south of the site.
- Two motor garages and service stations were identified in proximity to the site (109m south and 421m south respectively). One of these sites is listed as being a currently operational Caltex petrol station in Goolwa (421m south).
- A motor clutch specialist / motor steam cleaners was also identified 144m south of the site.

Due to proximity, it is considered unlikely that possible contamination from the above activities would impact on the Code Amendment site.

It is also noted that an operational rail yard and rail line is located adjacent the southwestern part of the site. These areas are discussed further in **Section 5.**

3.6 Historical Ownership

The historical site ownership can provide some information on owner occupied businesses and is sometimes useful in understanding site uses over time. A summary of ownership history over time is presented in **Table 6** and **7** below.

Table 6 – Site Ownership History (Lot 3 Alexandrina Road)

CT Reference	Date	Owner	Occupation
CT 5463 / 531	27 October 1997	Ambo Pty Ltd	 Not known
CT 5463 / 530	27 October 1997	Ambo Pty Ltd	 Not known
CT 5463 / 529	27 October 1997	Ambo Pty Ltd	Not known
CT 5413 / 829	18 April 1997	Ambo Pty Ltd	 Not known
CT 5285 / 517	10 August 1995	 Narrinyeri Farm (cancelled) 	Farmer
CT 5285 / 516	10 August 1995	 Narrinyeri Farm (cancelled) 	Farmer
CT 5285 / 515	10 August 1995	 Narrinyeri Farm (cancelled) 	Farmer
CT 4318 / 395	11 July 1988	 Brian Lock Skewes, Barbara Jessie Skewes and Colin Francis Ferguson 	Farmers and accountant

CT Reference	Date	Owner	Occupation
CT 4303 / 71	17 September 1987	 Brian Lock Skewes, Barbara Jessie Skewes and Colin Francis Ferguson 	Farmers and accountant
CT 3903 / 24	2 February 1973	 Cedric Dundas Scott 	Grazier
CT 2164 / 145	10 September 1951	Edith Celia Dundas Scott	Spinster
CT 1199 / 125	14 May 1921	William Arthur Lackinglon	■ Farmer
LG 853 / 129	1 December 1910	 Alexander Ross Gordon (land grant) 	Agent
CT 779 / 16	12 March 1908	Richard Henry Sunman	Farmer
CT 613 / 120	13 October 1896	Ermine Grant Ogilvie Francis	 Wife of master mariner
CT 535 / 73	10 December 1887	Ermine Grant Ogilvie Barnes	Spinster
CT 468 / 23	23 December 1884	■ Thomas Richard Sumner	Auctioneer
CT 467 / 177	19 December 1884	Henry Hodgson	■ Gentleman
LG 222 / 132	2 March 1876	Sir Anthony Musgrave (land grant)	Not known

Table 7 – Site Ownership History (Lot 2403 North Road)

CT Reference	Date	Owner	Occupation
CT 6071 / 445	31 January 2011	 Ambo Pty Ltd 	Not known
CT 5463 / 533	27 October 1997	 Alexandrina Council / Ambo Pty Ltd (cancelled) 	Council owned
CT 5285 / 519	10 August 1995	 Narrinyeri Farm (cancelled) 	■ Farmer
CT 311 / 224	9 July 1879	 Robert Thornber and Charles Wilson Lotman 	 Gentleman

From the first issue of title in 1876, the sites have been owned by a number of individuals/entities whose occupations include farmers, accountants, graziers, spinsters, auctioneers and council owned.

3.7 Historical Aerial Photograph

Historical aerial photographs and maps area were obtained and reviewed as part of the PSI.

A total of eleven aerial photographs were obtained for the site between 1956 and 2018. A summary of the findings from the historical aerial photograph review is presented in **Table 7** below, with copies of the aerial photographs also included in **Appendix I**.

Table 8 – Historical Aerial Photographs

Date	Site Use	Surrounding Land Use
1949	 Black and white aerial photographs exist for the land from 1949. The rail line and roads exist and most of the land appears in use for broad acre agricultural uses Low lying depressions are visible in the eastern part of the site which appear to hold water in some photographs. The Investigator College and skate park do not yet exist. 	 The establishing town of Goolwa is located to the south / east. The land immediately surrounding the site is used for broad acre agricultural activities (predominantly grazing)
1956	 One black and white photograph exists from 1956 and shows that the land use is almost identical to the 1949 photos. 	Similar to the 1949 aerial photographs.
1967	 One black and white photograph exists from 1956 and shows that the land use is almost identical to the 1949 photos. A number of sheds have been constructed in the two areas of the site – one in the west opposite the dwelling and one in the east 	 Further development of the town of Goolwa observed.
1976	 One black and white photograph exists from 1956 and shows that the land use is almost identical to the 1967 photos. 	 Further development of the town of Goolwa observed.
1989	 One colour aerial photograph exists from 1989 Little or no change from the previous image 	 Further development of the town of Goolwa observed including up to the southern most boundary of the site and a number of small buildings / dwellings along the north western site boundary. The rail yards are visible on the southern boundary
1997	 Two colour aerial photographs exists from 1997 Little or no change from the previous image Construction activities are visible to the south west of the site, which is presumed to the Investigator College 	 Further development of the town of Goolwa observed
2005	 Little or no change from the previous image. The Investigator College is complete. 	 Surrounding land use to the north and west is observed to be largely undeveloped / agricultural. The town of Goolwa is present to the immediate south / south east of the site.
2010	 Little or no change from the previous image. 	 Little or no change from the previous image.
2014	 Little or no change from the previous image. 	 Little or no change from the previous image.
2017	 Little or no change from the previous image. 	 Little or no change from the previous image.

3.8 Historical Maps

Six historical maps were obtained for the site, dating between 1876 and 1982.

The area now covered by the site was shown as being undeveloped in the earliest two map series with the exception of a number of roads or tracks, most notably Main Road and which bisects the site from the north west to the south east.

No significant change is recorded in the remaining map series. It is noted that a sewage treatment plant is shown to the southwest of the site in the 1982 map.

Copies of the historical site maps are included in **Appendix K**.

3.9 Anecdotal Information

Anecdotal information provided during the course of site inspections is included in Section 3.4.

The report provided by the major landholder (refer **Appendix L**) provides anecdotal evidence of site activities, which is summarised in **Section 3.12**.

3.10 EPA Information

Information able to be obtained from SA EPA records is presented in **Table 8** below.

Table 9 – SA EPA Information

Information	Source	Why this is useful	Site specific information
SA EPA Site Contamination Index	http://www.epa.sa. gov.au/what we d o/public register directory/site cont amination index	The Site Contamination Index is a web based search by suburb name that provides information on S83A notifications of groundwater contamination and audit notifications and terminations. This information is useful to identify any contaminated sites located in the vicinity of the subject site.	There are no site contamination index listings within the site boundary or a 1km buffer around the site.
SA EPA Public Register	https://www.epa.s a.gov.au/our work /public register	Legislation requires the EPA to have a public register and to make information available for the public to inspect. The register is a wide range of information relating to EPA operations including: - environmental authorisations - new applications - development authorisation referrals - completed prosecutions and civil penalties - site contamination - environmental protection orders or EPOs	There are no records associated with environmental authorisations and / or applications within the site boundary. However, a total of six (6) sites were noted within a 1 kilometre radius of the site. These sites and the associated information are listed as follows: Council owned site. Kessell Road, Goolwa SA 5214, 20m south west of the site. License issued for a Sewage treatment works or septic tank effluent disposal schemes (discharge other than to marine waters or a Water Protection Area). Shirdi Sai Ram Pty Ltd. 36 Cadell Street, Goolwa SA 5214, 421m south of the site. License issued for the operation of a petrol station. Alan Brian Edwards and Elizabeth Alison Livingston. Section 2458, Liverpool Road, Hundred of Goolwa, SA. 584m to the south east of the site. License issued for a marina and boating facilities. Robyn Lennox Maul and Tammy Michelle Maul-Dunn. Allotment 452, Dowdodd Crescent, Goolwa SA 5214.916m south of the site. License issued for a Waste or recycling depots (for disposal of liquid waste) (other than winery wastewater treatment works) Michael Veenstra and Bianca Veenstra. The Captain Sturt Marina, Liverpool Road, GOOLWA SA located 9325m south east of the site. License issued for marinas and boating facilities. EG FeulCo (Australia) Ltd. 137 Beach Road, Goolwa Beach SA 5214, 945m south of the site. License issued for the operation of a petrol station. No records associated with environmental

Information	Source	Why this is useful	Site specific information
inormation	Source	willy tills is useful	within a 1 kilometre radius of the site. However, three (3) environmental protection orders were identified. The information relating to these sites is presented below: Site immediately to the east of the site (address listed as Hundred of Goolwa) and relating to an unlicensed depot for the reception, storage, treatment or disposal of waste including concrete green waste, timber, plastic, furniture, metal wastes, general hard waste and other waste, without an environmental authorisation. Site 923m to the south west of the site on Port Elliot Road, Goolwa Beach SA 5214. Activity recorded as being failure to submit a Landfill Environment Management Plan as required by a licence condition. A further EPO is recorded but without an address or distance / direction from site. Notation states that the operator failed to ensure that the dairy effluent lagoons constructed after June 1997 had maximum in-situ permeability not exceeding 0.1
			millimetre per day. The site is not within or adjacent to a site on the National Waste Management Database or an

Copies of the Site Contamination Index and Public Register are included in **Appendix J**.

3.11 Potential PFAS Information

Information able to be obtained from SA EPA records is presented in **Table 9** below.

Table 10 – AirServices Australia + Department of Defence Information

Information	Source	Why this is useful	Site specific information
AirServices Australia National PFAS Management Program Data + Defence PFAS Investigation & Management Program	http://www.airservice saustralia.com/envir onment/national- pfas-management- program/ + http://www.defence. gov.au/environment/ pfas/	To determine if there are any sites being investigated or managed by AirServices Australia or the Department of Defence for PFAS contamination within a 2km radius of the site.	The site is not within or adjacent to areas of PFAS investigation or management (either Defence or AirServices Australia programs)
Department of Defence: 3-Year Regional Contamination Investigation Program	http://www.defence. gov.au/id/derp/Defa ult.asp	To determine if there are any sites within a 2km radius that are listed on the Defence 3-Year Regional Contamination Investigation Program (RCIP)	The site is not within or adjacent to a site linked to the Defence 3 Year Regional Contamination Investigation Program.

A copy of AirServices Australia and Department of Defence information is included in **Appendix L**.

3.12 Previous Environmental Investigations

A report relating to the site was provided to Mud Environmental as follows:

Site and Environmental History. AMBO Pty Ltd Land – 'Narrows' and dated March 2020.

The report states that Alexandrina Council commenced a Development Plan Amendment for the Goolwa North Growth Area and which included farmland owned by Ambo Pty Ltd ('Narrows'). The landowner was requested to provide a site and environmental history on the potential contamination issues associated with past and present land use.

A summary of the pertinent environmental information contained within is presented below and a full copy of the report included as **Appendix L**.

'Narrows' Land

The Narrows land comprises an area of approximately 287 hectares and have been farming it since 1997 for cropping and cattle breeding. It is reported that approximately 66 hectares of their land has been nominated in the Planning Strategy for future township growth (note the revised site boundary is slightly less than 66 hectares).

A number of buildings are present on the Narrows land:

- an old hay shed (reportedly disused);
- a dilapidated shearing shed (reportedly never used by current land owners); and
- an old equipment shed.

It is reported that there are no stockpiles of building waste located on the property.

The report goes on to identify potential sources of site contamination at the site. These include the following:

- general farm chemical and fertiliser usage;
- a former sheep dipping area; and
- a sheep shearing area.

The report concludes that there is a low likelihood of potentially significant soil contamination and that no areas would require extensive remediation prior to redevelopment.

3.13 Summary of Site History

Most of the site has been used for broad acre agricultural uses (livestock grazing, minor cropping) since the early 1900's. No evidence of intensive agricultural activities have been identified in the research to date. It is considered that these land uses present a low risk of contamination that would significantly impact on the proposed Code Amendment, with exception of the former sheep dip area.

4 POTENTIALLY CONTAMINATING ACTIVITIES

Potentially contaminating activities ('PCA's') are activities identified based on the historical research that are considered to have the potential to cause site contamination. Whilst some of these activities are defined in the *Environment Protection Regulations*, 2009¹, others are based on professional judgement and experience in the assessment of site contamination in South Australia.

The PCAs outlined in **Table 11** below (as defined in the EP Regulations) were identified at the site or surrounds.

Table 11 – Potentially Contaminating Activities (EP Regulations, 2009)

Activity	Definition
On-Site	
Fill or soil importation	Importation, to premises of a business, of soil or other fill originating from a site at which another potentially contaminating activity has taken place.
Off-Site	
Railway operations	Railway operations within the meaning of Schedule 1 Part A clause 7(2) of Act

It is noted that agricultural activities are specifically excluded in the EP Regulations, for routine spraying, in accordance with manufacturers' instructions, of pesticides used in broad-acre farming. This exclusion is considered to apply to the subject site.

Table 12 overleaf presents a summary of the PCA's identified both on-site and off-site. The chemical substances associated with each PCA are primarily based on AS4482.1-2005 and the ASC NEPM, 1999 as amended 2013. Also presented is the evidence relied upon in identifying the activity. A qualitative risk ranking has been given to each activity on the likelihood of contamination having occurred.

In March 2021 the planning scheme in South Australia was modified to incorporate site contamination. **Table 12** also includes the 'Class' of each activity as defined in *Practice Direction 14* - *Site Contamination Assessment 2021* issued by the State Planning Commission under Sections 42 and 127 of the *Planning, Development and Infrastructure Act, 2016*.

The locations of the areas of interest are included on Figure 1 in Appendix A.

¹ http://www.legislation.sa.gov.au/LZ/C/R/Environment%20Protection%20Regulations%202009.aspx

Table 12 – Areas and Chemicals of Interest

Potentially contaminating activities	PD14 Class	Confirmed or suspected	Locations	Potentially affected media	Potential contaminants ²	Area of interest and risk ranking	
On-site							
Fill or soil importation	No	Suspected	Built up areas near buildings	Soil	Typically metals, hydrocarbons (TRH³, BTEX⁴, PAH⁵) and/or pesticides (OCP⁶, OPP⁻)	1-01 – moderate risk	
Sheep dips	Class 2	Confirmed	Near former shearing shed on Narrows land (refer Figure 1)	Soil, groundwater	Typically arsenic, but sometimes other metals, PAHs and/or pesticides (OCP, OPP)	1-02 – high risk	
Waste burial areas including animal carcasses	Class 2	Suspected	Various locations across site	Soil	Nutrients and /or biological parameters	1-03 – moderate risk	
Liquid chemical substances storage	No	Confirmed	Chemical Storage Areas near former shearing shed	Soil, groundwater	Typically metals, hydrocarbons (TRH, BTEX, PAH), herbicides (triazine, phenoxy acid) and/or pesticides (OCP, OPP)	1-04 – moderate risk	
Motor vehicle / farm implement repair or maintenance	No	Suspected	Possible maintenance shed areas	Soil, groundwater, vapour	Hydrocarbons (TRH, BTEX, PAH) and/or lead	1-06 – low risk	
Asbestos containing materials	No	Suspected	Site buildings	Soil	Asbestos in soils	1-07 – moderate risk	
Termite treatments	No	Suspected	Beneath buildings	Soil	Metals and/or pesticides (OCP)	1-09 – low risk	
			Off-site				
Railyard	Class 1	Confirmed	Adjacent to central southern part of the site	Soil, groundwater	Arsenic based weedicides, asbestos from older brake linings, hydrocarbons from lubricants and fuel storage	1-11 – moderate risk	
Rail line	Class 1	Confirmed	Through the central part of the site	Soil	Arsenic based weedicides, asbestos from older brake linings, hydrocarbons from lubricants	1-12 – moderate risk	

² Potential contaminants based on chemicals of interest as listed in AS4482-2005.

³ Total Petroleum Hydrocarbons

Fotal Fetoleum Hydrocarbons
 Benzene, Toluene, Ethyl benzene and Total Xylenes
 Polycyclic Aromatic Hydrocarbons
 Organochlorine Pesticides
 Organophosphorous Pesticides

5 PRELIMINARY CONCEPTUAL SITE MODEL

5.1 Preamble

A Conceptual Site Model ('CSM') uses available information to determine the presence of plausible complete exposure pathways from contamination sources to receptors such as humans or the environment. 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).

As outlined in the ASC NEPM, a detailed CSM should include information on:

- 1. Sources known and potential sources of contamination and contaminants of concern including the mechanism(s) of contamination (e.g. 'top down' spill or sub-surface release from corroded tank or pipe), including the nature and extent of site contamination;
- 2. *Media* potentially affected media (soil, sediment, groundwater, surface water, indoor and ambient air):
- 3. Receptors human and ecological receptors; and
- 4. Exposure pathways potential and complete exposure pathways to relevant receptors.

A CSM is generally a written description of the site that is accompanied by a schematic, graphical interpretation that depicts what is known or has been inferred about the site, and will be presented in the Detailed Site Investigation report, however an overview of each item is discussed below.

5.2 Sources

No known sources of contamination have been identified within the subject site as part of this Preliminary Site Investigation, however it is noted that no quantitative assessment has been undertaken.

5.3 Media

Soil, groundwater and soil vapour are considered to be the media of interest should site contamination exist at the site.

5.4 Receptors

5.4.1 Human

The nearest human receptors are those associated with the rural dwellings within the site boundary. Further off-site residential premises are also present immediately to the south and east of the site. The majority of the land is used for agricultural purposes (grazing of livestock).

On this basis, the following potential human receptors have been identified:

On-site

- Current sensitive users (residents, students);
- Current non-sensitive users (agricultural workers);
- Future sensitive users (residents including children); and
- Future non-sensitive users (recreational users of public open space, commercial / industrial workers and construction and maintenance workers).

Off-Site

- Current sensitive users (residents including children) to the north, east and south;
- Current non-sensitive users (commercial / industrial workers) to the west;
- Users of extracted groundwater.

5.4.2 Ecological

The following potential ecological receptors have been identified:

- Native flora and fauna that would naturally inhabit the site in the absence of the chemical contamination e.g. flowering plants, ferns and terrestrial, subterranean or arboreal fauna.
- Introduced flora and fauna are not native to Australia but which are desired to inhabit the site e.g. wildlife, domestic animals, flowering plants, conifers and ferns;
- Transitory or permanent wildlife lives permanently or spends part of their life cycle on the site in question (e.g. the site may be part of a bird's territory);
- Air possible air impacts e.g. from ACM, soil contaminants including volatile contaminants.
- Groundwater from leaching or migration of contaminants from soil to groundwater.
- Surface water receptors i.e. groundwater discharge to surface water bodies.

The Goolwa or Lower Murray and which is located between 700m to 1000m to the south east of the sites south eastern boundary. Currency Creek located a similar distance to the north east of the site. Currency Creek feeds into the Goolwa or Lower Murray River.

5.5 Exposure Pathways

Human

Exposure pathways for potential human receptors include the following:

- Direct dermal contact with, or ingestion of contaminated soil, or inhalation of dust;
- Consumption of garden produce grown in contaminated soils;
- Extraction of groundwater for domestic use or irrigation resulting in ingestion or dermal contact; and
- Inhalation of volatile organic compounds emanating from impacted soil, groundwater or soil vapour (if present), or inhalation of asbestos fibres (if present).

Ecological

Exposure pathways for potential ecological receptors include the following:

- Airborne particles from winds and unsealed surfaces or volatilisation;
- Direct contact with contaminated soil or groundwater;
- Migration of contaminated groundwater;
- Impacted surface water run-off; and
- Extraction and use of contaminated groundwater for irrigation.

6 CONCLUSIONS + RECOMMENDATIONS

Most of the site has been used for broad acre agricultural uses (livestock grazing, minor cropping) since the early 1900's. No evidence of intensive agricultural activities have been identified in the research to date. It is considered that these land uses present a low risk of contamination that would significantly impact on the proposed Code Amendment. Two farm storage and work areas are located in the southern part of the land.

Some activities identified within the Code Amendment area in the PSI present a moderate or high risk of contamination, as discussed in detail in **Table 11** and presented in **Figure 1**, and summarised below:

High risk:

1. Sheep dip at one location on-site

Moderate risk:

- 2. Fill or soil importation around buildings;
- 3. Waste burial areas, including animal carcasses at various locations;
- 4. Liquid chemical substances storage in sheds near shearing sheds on the eastern and western parts of the site;

The following activities were identified off-site that are considered to have the potential to impact on the subject site, as discussed in detail in **Table 11** and presented in **Figure 1**:

Moderate risk:

- 1. Railyard located adjacent the central southern boundary; and
- 2. Rail line that runs through the middle of the site.

It is considered that these areas warrant intrusive quantitative investigations to confirm the presence / absence of site contamination in the context of the proposed land use(s). In accordance with SA EPA guidelines and terminology, these investigations should be in the form of a Detailed Site Investigation, which will determine whether remediation is required in the context of the proposed land use(s). This work is required to be undertaken at planning consent stage in accordance with State Planning Commission Practice Direction 14 (Site Contamination Assessment).

This report and the opinions expressed above are subject to the limitations presented in **Section 7**. It is important that the reader make themselves aware of these limitations.

7 LIMITATIONS

Scope of Services

This Preliminary Site Investigation ('the report') has been prepared in accordance with the scope of services set out in the contract, or as otherwise agreed, between Ambo Pty Ltd c/- Future Urban and Mud Environmental ('scope of services'). In some circumstances, the scope of services may have been limited by a range of factors such as time, budget, access and/or site disturbance constraints.

Reliance on Data

In preparing the report, Mud Environmental has relied upon data, surveys, analyses, designs, plans and other information provided by Ambo Pty Ltd c/- Future Urban and other individuals and organisations, most of which are referred to in the report ('the data'). Except as otherwise stated in the report, Mud Environmental has not verified the accuracy or completeness of the data. To the extent that the statements, opinions, facts, information, conclusions and/or recommendations in the report ('conclusions') are based in whole or part on the data, those conclusions are contingent upon the accuracy and completeness of the data. Mud Environmental will not be liable in relation to incorrect conclusions should any data, information or condition be incorrect or have been concealed, withheld, misrepresented or otherwise not fully disclosed to Mud Environmental.

Desktop Environmental Conclusions

In accordance with the scope of services, Mud Environmental has relied upon the data and has conducted desktop site history research in the preparation of the report. The nature and extent of investigation conducted is described in the report.

No desktop investigation, no matter how thorough, can eliminate the possibility that not all potentially contaminating activities were identified, or provide sufficient confidence to determine the suitability of a site for a given use. The conclusions are based only upon the data and information available to Mud Environmental at the time of preparing this report.

Within the limitations imposed by the scope of services, the investigation and preparation of this report have been undertaken and performed in a professional manner, in accordance with generally accepted practices and using a degree of skill and care ordinarily exercised by reputable environmental consultants under similar circumstances. No other warranty, expressed or implied, is made.

Report for Benefit of Ambo Pty Ltd c/- Future Urban

The report has been prepared for the benefit of Ambo Pty Ltd c/- Future Urban and no other party. Mud Environmental assumes no responsibility and will not be liable to any other person or organisation for or in relation to any matter dealt with or conclusions expressed in the report, or for any loss or damage suffered by any other person or organisation arising from matters dealt with or conclusions expressed in the report (including without limitation matters arising from any negligent act or omission of Mud Environmental or for any loss or damage suffered by any other party relying upon the matters dealt with or conclusions expressed in the report). Other parties should not rely upon the report or the accuracy or completeness of any conclusions and should make their own enquiries and obtain independent advice in relation to such matters.

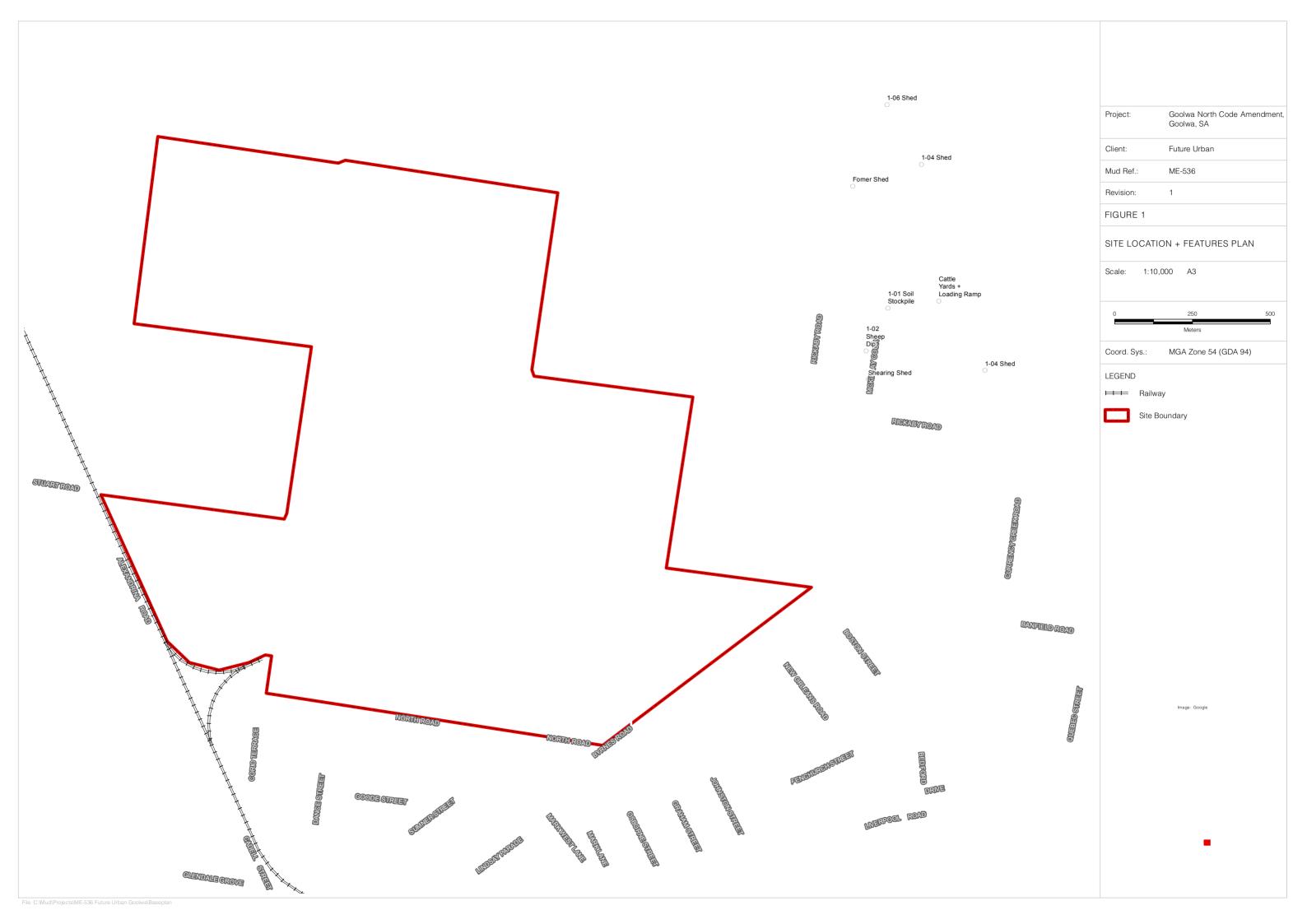
Other Limitations

Mud Environmental will not be liable to update or revise the report to consider any events or emergent circumstances or facts occurring or becoming apparent after the date of the report.



APPENDIX A

Figures







APPENDIX B

Current and Historical Certificates of Title



Product
Date/Time
Customer Reference
Order ID

Register Search (CT 5413/829) 28/08/2023 09:14AM

20230828000917

REAL PROPERTY ACT, 1886



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 5413 Folio 829

Parent Title(s) CT 4318/395

Creating Dealing(s) CONVERTED TITLE

Title Issued 18/04/1997 **Edition** 5 **Edition Issued** 29/01/2007

Estate Type

FEE SIMPLE

Registered Proprietor

AMBO PTY. LTD. (ACN: 066 036 333)
OF 76 NORTHGATE STREET UNLEY PARK SA 5061

Description of Land

ALLOTMENT 4 DEPOSITED PLAN 22658 IN THE AREA NAMED GOOLWA HUNDRED OF GOOLWA

Easements

NIL

Schedule of Dealings

NIL

Notations

Dealings Affecting Title NIL

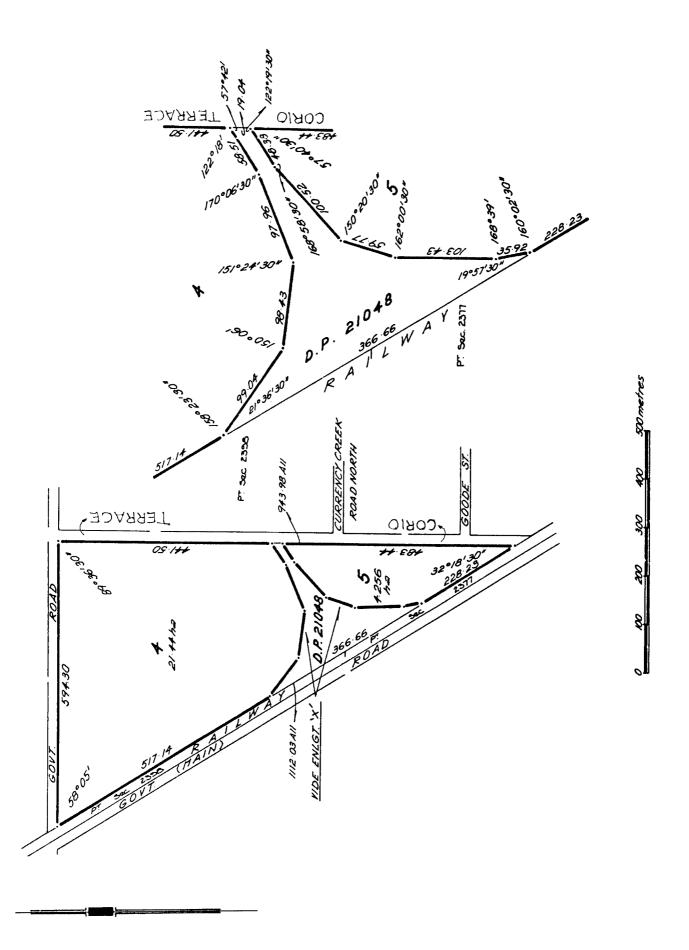
Priority Notices NIL

Notations on Plan NIL

Registrar-General's Notes NIL

Administrative Interests NIL

Land Services SA Page 1 of 2





Product Date/Time **Customer Reference** Order ID

Historical Search 28/08/2023 09:14AM

20230828000917

Certificate of Title

Title Reference: CT 5413/829

Status: **CURRENT**

Parent Title(s): CT 4318/395

Dealing(s) Creating Title:

CONVERTED TITLE

Title Issued: 18/04/1997

Edition: 5

Dealings

Lodgement Date	Completion Date	Dealing Number	Dealing Type	Dealing Status	Details
16/01/2007	29/01/2007	10624654	TRANSFER	REGISTERE D	AMBO PTY. LTD. (ACN: 066 036 333)
31/10/2006	11/01/2007	10575595	TRANSFER	REGISTERE D	DAVID BRIAN SKEWES, PATRICIA MARGARET SKEWES, JEREMY JAMES MOORE
07/05/2004	15/06/2004	9840686	LEASE	REGISTERE D	DAVID BRIAN SKEWES, PATRICIA MARGARET SKEWES
04/03/1997	25/06/1997	8256946	TRANSFER	REGISTERE D	DAVID BRIAN SKEWES, BRIAN LOCK SKEWES, BARBARA JESSIE SKEWES

Land Services SA Page 1 of 1 **ORIGINAL**

South Australia Register Book, Volume 4318 Folio 395

CERTIFICATE OF TITLE

CANCELLED

CONVERTED TO A COMPUTERISED TITLE

New Certificate for portion of the Land in Vol.4303 Folio 71

BRIAN LOCK SKEWES of care of Post Office Box 34 Goolwa 5214 Farmer BARBARA JESSIE SKEWES his wife and COLIN FRANCIS FERGUSON of 172 North Terrace Adelaide 5000 Accountant are the proprietors of an estate in fee simple WITH NO SURVIVORSHIP subject nevertheless to such encumbrances liens and interests as are notified by memorial underwritten or endorsed hereon in ALLOTMENT 4 of portion of Section 2377 and other land HUNDRED OF GOOLWA in the area named GOOLWA (L.T.R.O. DEPOSITED PLAN No.22658) and delineated on the plan hereon In witness whereof I have signed my name and affixed my seal this //day of July 1988 Signed the day of July

1988, in the presence of L. Wasanagen d. H. Daylon Acting Deputy Registrar-General POAD NORTH

CORIO TERRACE VIDE DKT. 164/1993

ORIGINAL CERTIFICATE OF TITLE

South Australia

Register Book, Volume 4303 Folio 71



(Comprising 2 Sheets)

New Certificate for portion of the Land in Vol.3903 Folio 24

BRIAN LOCK SKEWES of care of Post Office Box 34 Goolwa 5214 Farmer and BARBARA JESSIE SKEWES his wife and COLIN FRANCIS FERGUSON of 172 North Terrace Adelaide 5000 Accountant are the proprietors of an estate in fee simple WITH NO SURVIVORSHIP subject nevertheless to such encumbrances liens and interests as are notified by memorial underwritten or endorsed hereon in that ALLOTMENT comprising the PIECES 1 and 3 of portion of Section 2377 and other land HUNDRED OF GOOLWA in the area named GOOLWA (L.T.R.O. DEPOSITED PLAN No.21048) and delineated on the plan hereon by bold black lines

In witness whereof I have signed my name and affixed my seal this 10^{-1} day of September 1987 Signed the 174 day of September L. Fleeger ood

1987, in the presence of

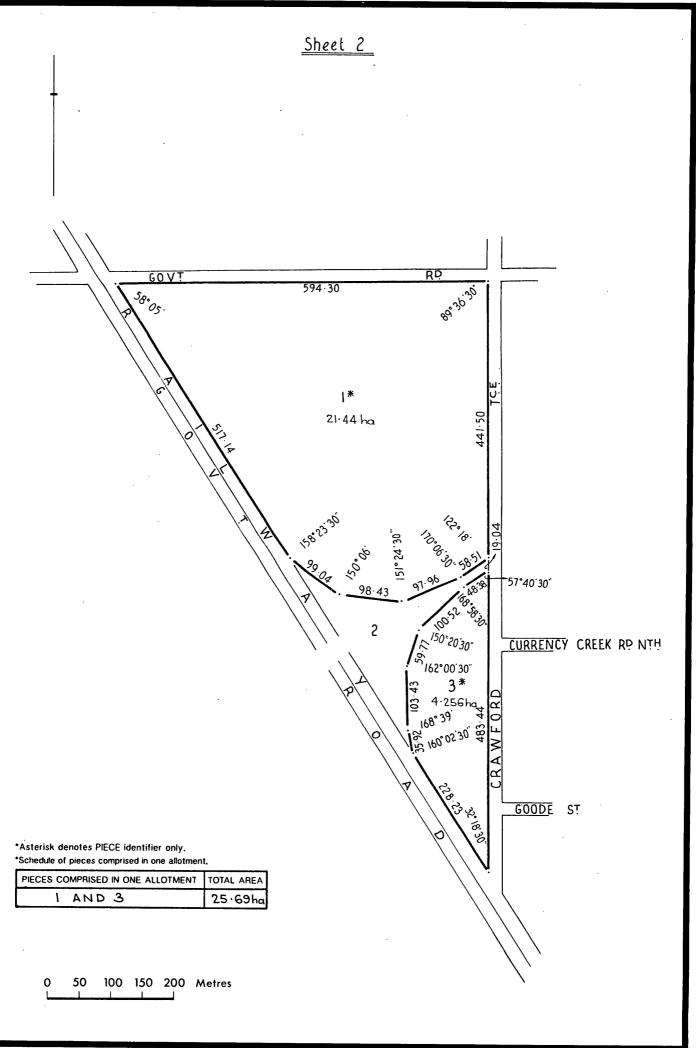
I. H. Daylon

Acting Deputy Registrar-General



Cancelled as regards that portion of the within land comprised in Deposited Plan 22658 (R.T. 6481757) and new Certificates issued Vol.4318 Folios 395 \$ 396





VOL 4303 **FOL** 71

South Australia

(CERTIFICATE OF TITLE)



Register Book,

 v_{ol} . 3903

Folio

Pursuant to Memorandum of Transfer No.3372296 Registered on Vol.2164 Folio 145

CEDRIC DUNDAS SCOTT of Currency Creek 5251 Grazier

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 Sixty six

THAT PIECE of land containing one hundred and thirty eight, acres one rood and twenty six perches or thereabouts situated in the HUNDRED OF GOOLWA COUNTY OF HINDMARSH being PORTION OF SECTIONS 2377 and 2398 more particularly delineated and bounded as appears in the plan in the margin hereof by bold black lines

WHICH said Sections

delineated in the Public Map of the said

Hundred

deposited in the Land Office

at Adelaide

Signed the

In witness whereof I have hereunto signed my name and affixed my seal this 2nd day of Juliusary

gned the 2nd day of Jubrushy
1973, in the presence of Maurice

Bs. Nain

Deputy Registrar-General

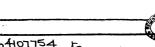


TA4073792

F4107754

APPLICATION No.4073792 THE WITHIN land
B TRANSMITTED TO Anthom Ceatic Dundas Scott of
Merribrank" Joshia 5214 Grager and Westle John Blo
of High Street Willings 5172 Company Treater.

AS THE EXECUTORS NAMED IN THE WILL DATED 26.7.1974
OF Ceditic Dundas Scott WHO DIED 19.3.1975
VIDE PROBATE DATED 8 A. 1970 PRODUCED 28. 7.1977 ATIL 2004



TRANSFER No.4107754 to

Hoselabrul sirbed months benon inthrush

OF THE WITHIN LAND, PRODUCED 20-101977

M4173956.

MORTGAGE No. 4173956 EXECUTOR TRUSTEE AND AGENCY COMPANY OF SOUTH AUSTRALIA LIMITED. PRODUCED at 3.1978 AT a 25 P.M.

INCLUDING OTHER LAND

Dm 4302 955





DISCHARGE OF MORTGAGE NO. 473956 BY ENDORSEMENT THEREON VIDE NO. 4302955 PRODUCED 612-1978 AT 115090

TY330842

TRANSFER No. 4330842 To
Douglas Leonard Newell of Goodwa 5214
Farmer and Yvonne Deirdre Newell his
wife

OF THE WITHIN LAND, PRODUCED 8 2.1978

AT 2.10 pm

T- C(817376.



TRANSFER No. 4817376

Brian Lock Skewes of Post Office Box 34

Goodwa 5214 Farmer and Barbara Jessie

Skewes his wife and Colin Francis Ferguson
of 172 North Terrace Adelaide 5000

Accountant

OF THE WITHIN Land with no survivarship.

PRODUCED 30.1.1981 AT 12.10 pm

R76353368 (DP21048) 76363369

Cancelled as regards that portion of the within land comprised in Deposited Plan 21048(RT-6353366) and new Certificates issued

... Vol. 4303Folios 71 and 72



South Australia.

(CERTIFICATE OF TITLE.)





Folio 145



New Certificate of Title for the whole of the Land in Vol.467 Folio 177_ Vol.468 Folio 23 and Vol.779 Folio 16

CELIA DUNDAS SCOTT of Currency Creek Spinster

the proprietor of an estate in fee simple

subject nevertheless to such encumbrances liens and interests as are notified by memorial underwritten or endorsed hereon in THOSE PIRCES of land situated in the COUNTY OF HINDMARSH being FIRSTLY PORTION OF SECTION 2377 containing eight acres three roods and twenty six perches or thereabouts and PORTION OF SECTION 2398 containing fifty seven acres and two roods or thereabouts situated in the HUNDRED OF GOOLWA and SECONDLY the SOUTHERLY HALF OF SECTION 2036 and NOD. 75 containing forty acres or thereabouts situated in the HUNDREDS OF GOOLWA and NANGKITA WHICH said pieces of land are more particularly delineated and bounded as appears in the plan in the margin hereof and therein colored green

Which said Section s are Office at Adelaide.

delineated in the public maps of the said Hundreds

deposited in the Land

Tench In witness whereof I have hereunto signed my name and affixed my seal this

day of September 1951

Signed the

2096

1957, in the presence of

day of September

2982

1085

Registrar-General.

Mortgage No. 1556106 from Edith Celia Dundas Scott to The Savings Bank of South Australia Produced for registration the 30 day of November 1948 at 11.30 a.m. (Including other land)

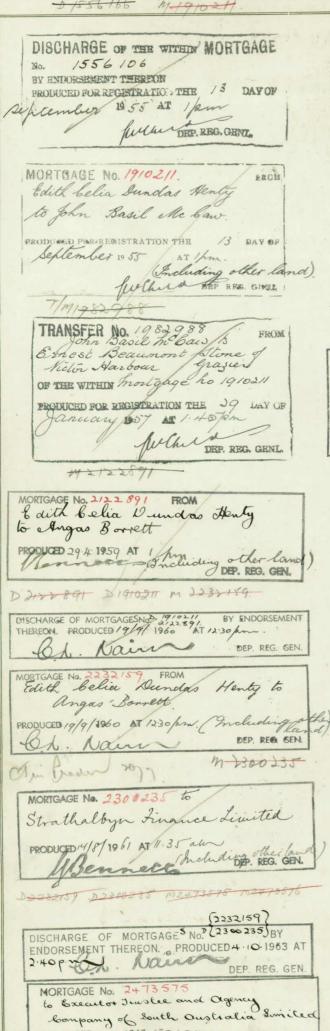
Reg. Genl.

The within Mortgage No.1556106 is discharged from the sum of £564.9.6 as appears by Memorandum No.1681269 Produced for registration the 20 day of June 1951 at

eg.Genl.

- no year
MARRIAGE. The within named With
beha Dundas Scott was married to Waltery William Renty
on the 29 day of September 1950
at Malland C as appears by
Germied Copy of Certificate of Marriage to 16929 9 Entered the 13 day of 1951 at 11 m Frotuged
for registration the 3 day of the funder
at the same of

Ouls



By Nouss DEP. REG. GEN.

MORTGAGE No. 24735 to Strathallyn Imance PRODUCED 4.10.1963 AT 2.40 P. (INCLUDING OTHER LAND) Bd. Kaine DEP. REG. GEN. DISCHARGE OF MORTGAGE 12473576 BY ENDORSEMENT, THEREON. PRODUCED 1910 1955 AT11-10am

DEP. REG. GEN. MORTGAGE No. 2670482 TO THE BANK OF ADELAIDE, PRODUCED 9 10 SATE 11-10 and INCLUDING DITHER LAND.

OFF. REG. GEN. APPLICATION No. 287/237THE WITHIN land
IS TRANSMITTED TO Executor Trustle and Agency
Company of last, dustralia demited of 22
graphet threet belaiste and Roy Burdas hoth
AS THE EXECUTORS AMED IN THE WILL DATED/7.8.1965
OFEdith Selia Dundas Henty WHO DIED 12.3.1967
VIDE PROBATE DATED/12.7.196 PROBUCED 22.11.19 6 7 AT 2.50

LOGIOCKI PAR DEP. REG. GEN. PA2185600 gatheghes. Mel DISCHARGE OF MORTGAGE No. 2670492

ENDORSEMENT THEREON, PRODUCED 16.1019, AT//as

Janhughen MORTGAGE No. 2473575 IS DISCHARGED FROM THE SUM
OF STORM OF STORM OF SUM
IS THEREBY DISCHARGED. VIDE No. 3772295 PRODUCED TRANSFER No. 3172296 OF THE WITHIN Pat Sections 2377 an 2398
PRODUCED/6:10.1972 AT /lam

CANCELLED AS REGARDS ABOVE LAND AND NEW C.T. ISSUED

VOL. 3903 FOL. 24

DEP. REG. GEN

DEP. REG. GEN DEP. REG. GEN. CANCELLED Balance CERTIFICATE OF TITLE 角的以 K. Condon DER REG. GEN.

Secutor Trustee and agency Company of South Australia Limited to Bonald Jeffrey OF TATHER ON PER STAPPLE IN THE WITHIN LAND.

PRODUCED FOR REGISTRATION THE J DAY OF AGAIN 1936 AT 12 10 pm.

SHINTELOW DEP REG. GENL.

MORTGAGE No. 120 99 43 PROM

Bonald Jeffrey Gordon

MORTGAGE No. 120 99 43

Bonald Seffrey Gordon

to Binjamin Plummer

PRODUCED FOR REGISTRATION THE JOAN OF

April 1936 AT 12-10 fm (Including other land)

GHENTELOW DEP. REG GENI.

A-1300632

Executor, Thus he and expense companies of bouth the trainable thinded of 25 persent sheet obelied applicant of bouth the trainable applicant of growing trainable applicant of the within the without are properties of an estate in fee simple in the within Land as the execution Name in the with DATED IEB 20 DAY OF Moarch 1933

NAMED Ronald Jeffrey Gordon OF The ABOVE-WHO DIED ON THE 25 DAY OF November 1938 A APPEARS BY PROPAGATED THE 26
DAY OF Spril 1939 PRODUCED FOR REGISTRATION THE 18 DAY OF Jugust 1939 AT 11 A M.

THE 18 DAY OF Jugust 1939 AT 11 A M.

DISCHARGE OF THE within MORTGAGE
No. 1209 943

BY MEMORIANDOM No. 1313 348

PRODUCED FOR REGISTRATION THE 6 DAY OF

March 1940 AT 11 Am

G W Melow DEP. REC. GENL.

Executor Trustee and Agency Company of South
Austratia Limited and Charlotte Amelia Gordon
To Helen Lesley Gebhardt of Glenely
Home Duries

(1317661 M 131766)

May 1940 AT 11AM THE T DAY OF

MORTGAGE No. 1317662

Helen Lesley Gebhaudt

Charlotte Amelia Gordon

May 1940 11 Him (Including other land)

DISCHARGE OF THE within MORTGAGE

No. 1317662

BY ENDORSEMENT THEREON

PRODUCED FOR RECISTRATION THE 24 DAY OF

CEnterbury 19 42 AT 11 45 AM

A DEP. REG. GENLA

TRANSFER No. 1556105

TRANSFER No. 1556105

TRANSFER No. 1556105

PROM

Aclen Lesley yellhardt to Edith Celia

Lundas Scott of Currency breek Spinster

OR AN ESTATE IN FEE SIMPLE IN THE WITHIN LAND

PRODUCED FOR REGISTRATION THE 30 DAY OF

November 19 48 AT 1130 a.

DEP REG. GPNL

MORTGAGE No. 1556106

FROM

Could belia Bundas Scott

TO THE SAVINGS BANK OF SOUTH AUSTRALIA.

PRODUCED FOR REGISTRATION THE 30 DAY OF MILLIANDER 19 J8 AT 11 30 and milliading of family lands

DEP REGISTRATION DE PROPERTE DE REGISTRATION DE REGI

botch belia bun das kott to boldsbrough kort and bompany himited problem for registration the 30 DAY OF November 19.18 AT 11.30 am Including offer land)

Lefteleases DEP. REG. OBNL.

Pla 1681 269 \$ 1556 107

The within mortgage 10 185 6/06 is awchanged from
the Sum of \$564-9-6 as appears by bemorandum
to 16 8/269 Produced for regionation the so day of
June 1951 at 11- So an followed Septengue

DISCHARGE OF THE WITHIN MORTGAGE

NO. 155 610 7 RS NIGARAS THE WITHIN MORTGAGE

BY ENDORSEMENT THEREON

PRODUCING FOR REALISTRATION THE 20 DAY OF

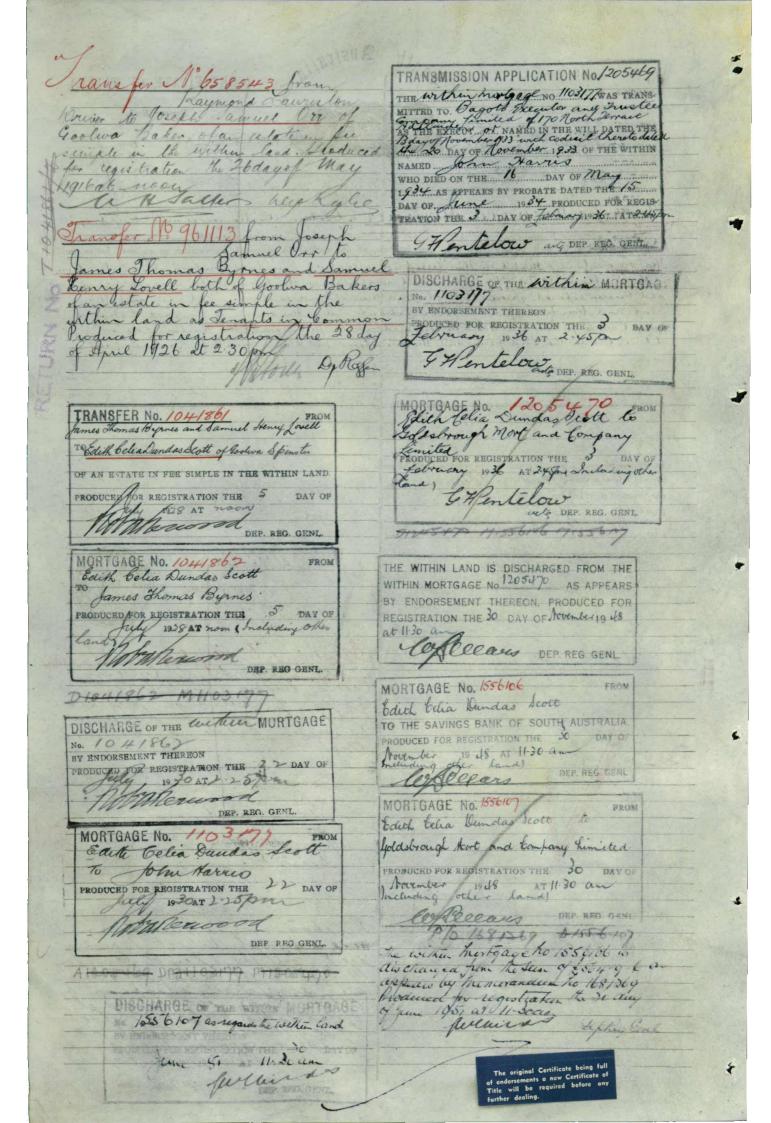
JULY 19 51 AT 11-30 am

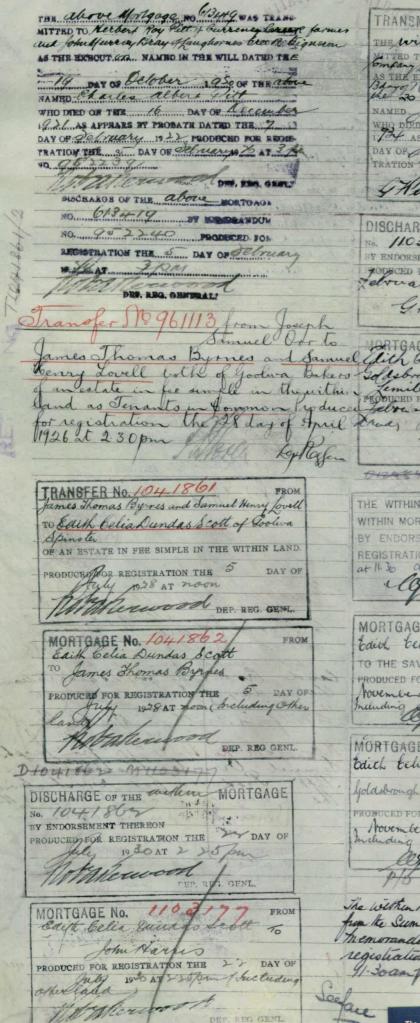
MULLIS DEP. REG. GENT.

A./m 1692979

se you

The original Certificate being full of endorsements a new Certificate of the will be required before any







Register Search (CT 5463/529) 28/08/2023 09:10AM

20230828000838

REAL PROPERTY ACT, 1886



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 5463 Folio 529

Parent Title(s) CT 5285/515

Creating Dealing(s) SC 8315765

Title Issued 27/10/1997 Edition 3 Edition Issued 22/05/2001

Estate Type

FEE SIMPLE

Registered Proprietor

AMBO PTY. LTD. (ACN: 066 036 333)
OF 76 NORTHGATE STREET UNLEY PARK SA 5061

Description of Land

SECTION 2417 HUNDRED OF GOOLWA IN THE AREA NAMED GOOLWA

Easements

NIL

Schedule of Dealings

NIL

Notations

Dealings Affecting Title NIL

Priority Notices NIL

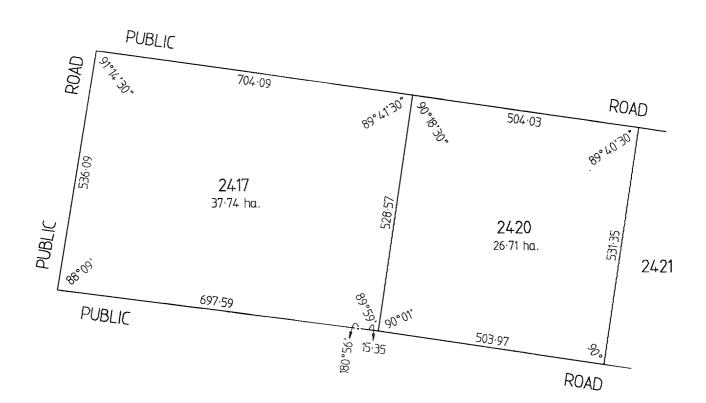
Notations on Plan NIL

Registrar-General's Notes NIL

Administrative Interests NIL

20230828000838





0 75 150 225 300 Metres



Historical Search 28/08/2023 09:10AM

20230828000838

Certificate of Title

Title Reference: CT 5463/529

Status: **CURRENT**

Parent Title(s): CT 5285/515

Dealing(s) Creating Title:

SC 8315765

Title Issued: 27/10/1997

Edition: 3

Dealings

Lodgement Date	Completion Date	Dealing Number	Dealing Type	Dealing Status	Details
15/05/2001	24/05/2001	9098237	AMENDMENT TO PROPRIETORS HIP DETAILS	REGISTERE D	AMBO PTY. LTD. (ACN: 066 036 333)
18/04/2001	07/05/2001	9081732	TRANSFER	REGISTERE D	AMBO PTY. LTD. (ACN: 066 036 333)
23/06/1997	04/11/1997	8315766	EXTENSION OF LEASE	REGISTERE D	7315439
18/06/1992	13/10/1992	7315439	LEASE	REGISTERE D	TOLDEROL PTY. LTD. (ACN: 007 739 522), THOMAS HEATH VERCO



Certificate of Title

Title Reference: CT 5285/515

Status: CANCELLED

Parent Title(s): CT 222/132

Dealing(s) Creating Title: CONVERTED TITLE

 Title Issued:
 10/08/1995

 Title Cancelled:
 27/10/1997

Edition: 2

Child Titles

Title Reference	Status	Estate Type	Plan / Parcel	Proprietors/Lessees/ Custodians at time of issue
CT 5463/529	CURRENT	FEE SIMPLE	H150400 SECTION 2417	NARRINYERI FARM PTY. LTD.



Certificate of Title

Title Reference: CT 5285/515

Status: CANCELLED

Parent Title(s): CT 222/132

Dealing(s) Creating Title: CONVERTED TITLE

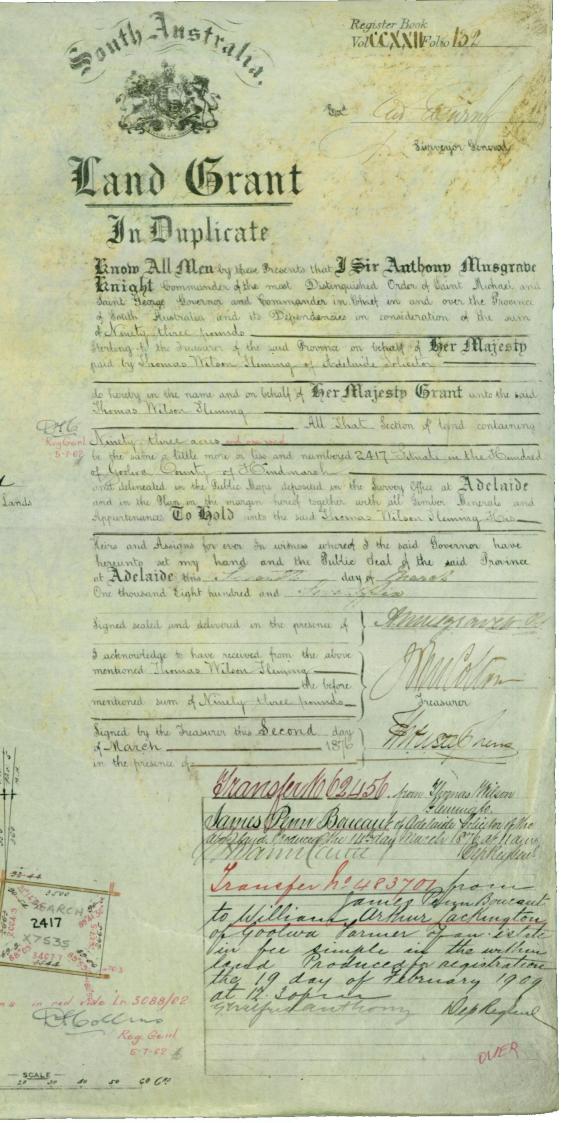
 Title Issued:
 10/08/1995

 Title Cancelled:
 27/10/1997

Edition: 2

Child Titles

Title Reference	Status	Estate Type	Plan / Parcel	Proprietors/Lessees/ Custodians at time of issue
CT 5463/529	CURRENT	FEE SIMPLE	H150400 SECTION 2417	NARRINYERI FARM PTY. LTD.

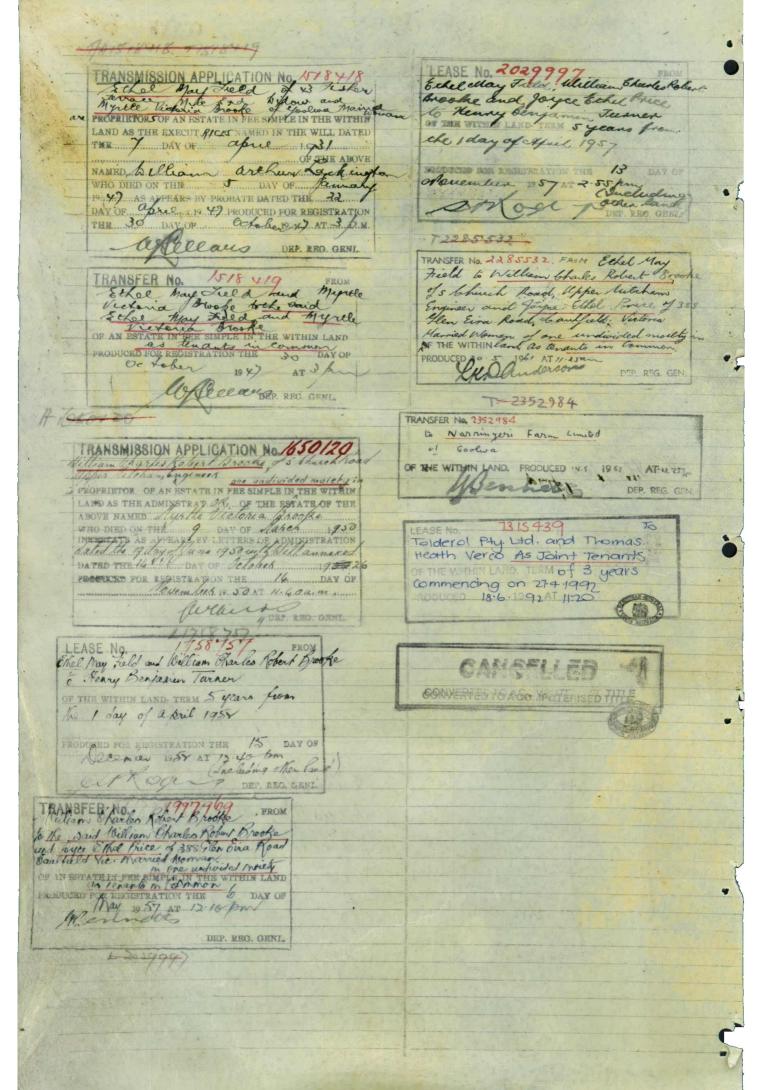


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Command

and Immigration

Commussioner of





Register Search (CT 5463/530) 28/08/2023 08:56AM

20230828000588

REAL PROPERTY ACT, 1886



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 5463 Folio 530

Parent Title(s) CT 5285/516

Creating Dealing(s) SC 8315765

Title Issued 27/10/1997 Edition 3 Edition Issued 22/05/2001

Estate Type

FEE SIMPLE

Registered Proprietor

AMBO PTY. LTD. (ACN: 066 036 333)
OF 76 NORTHGATE STREET UNLEY PARK SA 5061

Description of Land

SECTION 2420 HUNDRED OF GOOLWA IN THE AREA NAMED GOOLWA

Easements

NIL

Schedule of Dealings

NIL

Notations

Dealings Affecting Title NIL

Priority Notices NIL

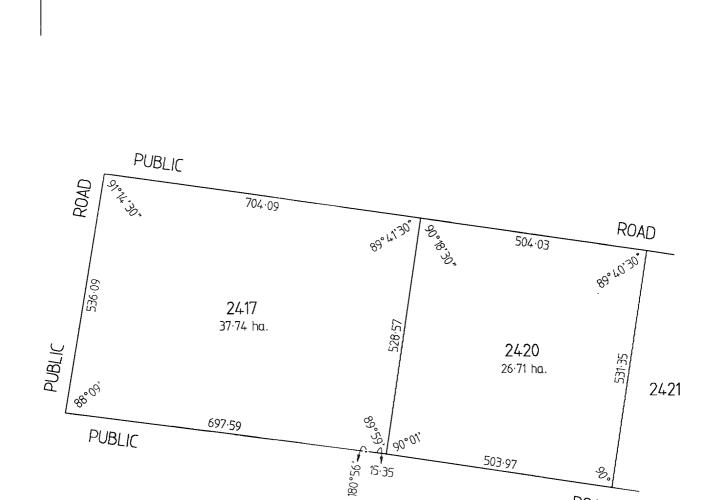
Notations on Plan NIL

Registrar-General's Notes NIL

Administrative Interests NIL

20230828000588

ROAD



0 75 150 225 300 Metres



Historical Search 28/08/2023 08:56AM

20230828000588

Certificate of Title

Title Reference: CT 5463/530

Status: **CURRENT**

Parent Title(s): CT 5285/516

Dealing(s) Creating Title:

SC 8315765

Title Issued: 27/10/1997

Edition: 3

Dealings

Lodgement Date	Completion Date	Dealing Number	Dealing Type	Dealing Status	Details
15/05/2001	24/05/2001	9098237	AMENDMENT TO PROPRIETORS HIP DETAILS	REGISTERE D	AMBO PTY. LTD. (ACN: 066 036 333)
18/04/2001	07/05/2001	9081732	TRANSFER	REGISTERE D	AMBO PTY. LTD. (ACN: 066 036 333)
23/06/1997	04/11/1997	8315766	EXTENSION OF LEASE	REGISTERE D	7315439
18/06/1992	13/10/1992	7315439	LEASE	REGISTERE D	TOLDEROL PTY. LTD. (ACN: 007 739 522), THOMAS HEATH VERCO



Certificate of Title

Title Reference: CT 5285/516

Status: CANCELLED

Parent Title(s): CT 613/120

Dealing(s) Creating Title: CONVERTED TITLE

Title Cancelled: 27/10/1997

Edition: 2

Child Titles

Title Issued:

Title Reference	Status	Estate Type	Plan / Parcel	Proprietors/Lessees/ Custodians at time of issue
CT 5463/530	CURRENT	FEE SIMPLE	H150400 SECTION 2420	NARRINYERI FARM PTY. LTD.

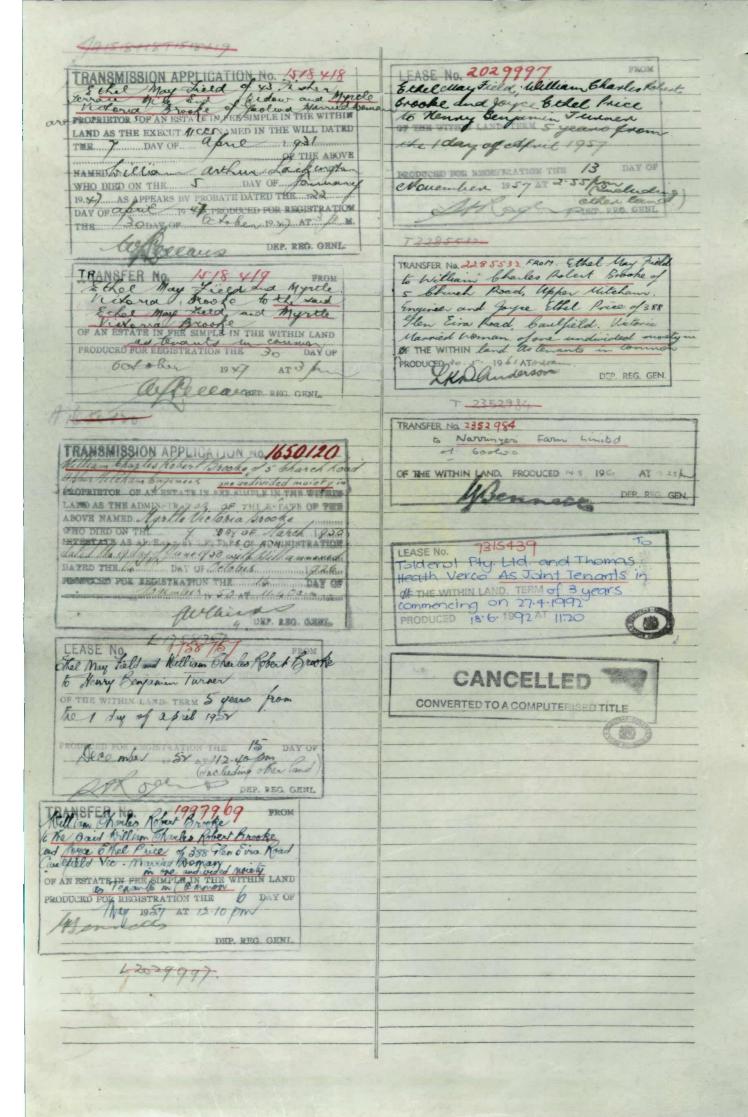
10/08/1995

south Australia

(CERTIFICATE OF TITLE.)

Register Book,

and the second s	Vol. Folio_
- Balance lantilization	of Sitle from Vol 535 fol 73
0 . 0 10 . 4	
Forming Grant Vallow Tro	mus wife of William Francis of Fort Broughton
Waster Wariner is the proprietor o	f an estate in fee simple
subject nevertheless to such incumbrances liens and interest that SECTION of land situated in the	ests as are notified by memorial underwritten or endorsed hereon in of County of County of County
Rea Gent Numbered 2 H20 containing sixty	
5-7-62	
The second secon	and bounded as appears in the plan in the margin hereof
which said Section A delineated in the public map of the	said Noundred deposited in the office of the Surveyor-General.
	40.
In witness whereof I have hereunto signed my name and affixed	ed my seal this hartesuth—day of Veliller — 189 6
A SECONDARY OF THE PROPERTY OF	
Signed the 13 - day of October	
180\n in the presence of	-) Tent verne
Man siel	Registrar-General.
Villowitedwa	AS AUSTRALIA
The second secon	Pursuant to application to 43229
	William Francis of Port Pirie
-	PROPRIETOR OF AN ESTATE IN FEE SIMPLE IN THE WITHIN
	LAND AS THE ADMINISTRATE OF THE ESTATE OF THE
	above NAMED & might hand Egyphorise I vancio
	WHO DIED ON THE DAY OF ADMINISTRATION
	DATED THE
	PRODUCED FOR REGISTRATION THE DAY OF
	Homist 190.6 AT There
6602	17. Myres anthony
9 2502	Parsuant to application to 441908
25055 NO. 18 NO.	Henry Newman Barwell of Port
2417 3 2420 2421	Pirie Soluctor is proprietor of an
	extate in see simple in the william
X7535 %0 25052 %	the Extate of the above named
2419	Ermine Grant Ogelvie Francis
Corrections in medvide Lr. 3088/62	all unadministered by the above
Al Collins All	Emaned William Francis who was in the 14 day of august 1906
Reg. Genl 5-7-62	The direct for registration the
3702	31 day of august 1906 at 3pm
	Vernont Edward Ogiles sene
20 10 0 20 CHS	
	Transfer ho. 445466 from
	Barwell to William arthur
	actington of Looliva Vione teepe
	of an estate in fee simple in

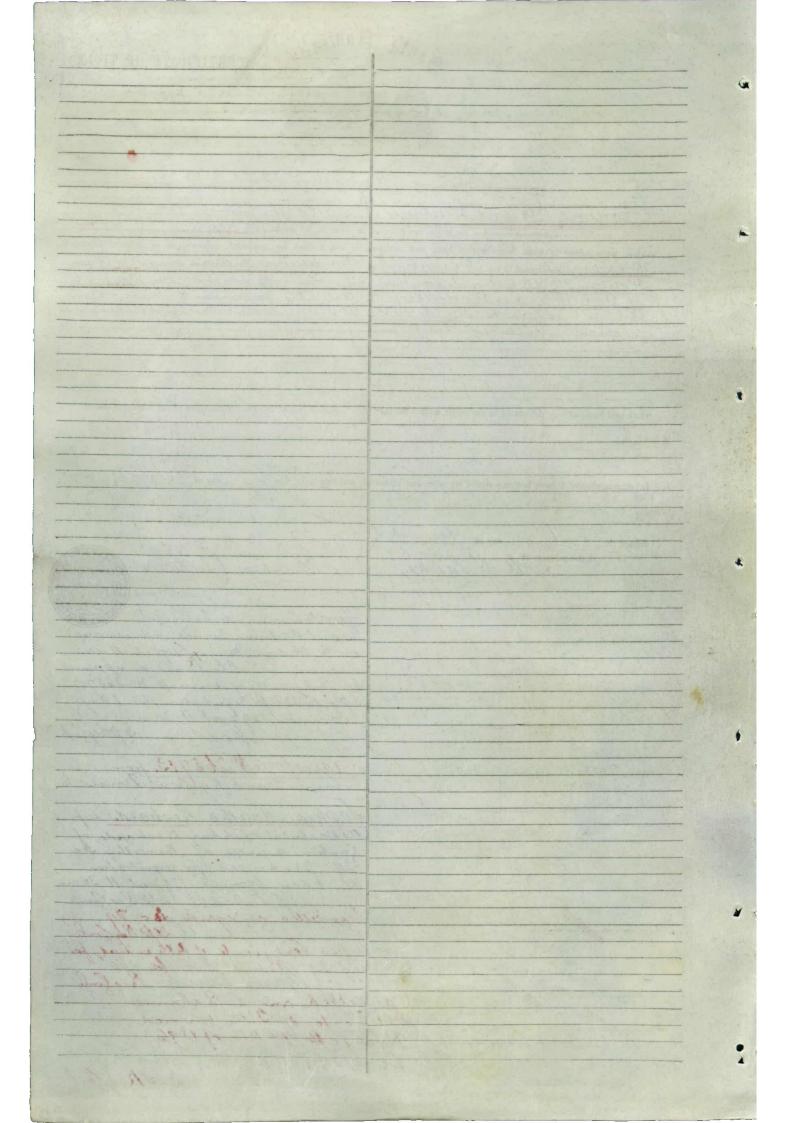


(CERTIFICATE OF TITLE.) Register Book, Pursuant to Memorandum of Transfer to 234239 Grant Ogilvie Barnes of Blinman Spinster is the proprietor of an estate in fee simple for her separate use subject nevertheless to such incumbrances liens and interests as are notified by memorial underwritten or endorsed hereon in Those sections flands ituated in the County of Hindmarsh county of being Firstly. Section 2420 containing sixty three acres or chereabouts estuated in the Hundred of Goolwa and Secondly Section 29 containing two roads or three about situated in the Town on the Goolwa and bounded as appears in the plan in the margin hereof which said Sections are delineated in the public mapsof the said Hundred and Journ deposited in the office of the Surveyor-General. In witness whereof I have hereunto signed my name and affixed my seal this Yenth day of December 1887. Registrar-General. Thewithin named Ermine Grant Ogilvie Barnes. was married on the 1st day January 1890 to William Francis at Blinhman as appears by Certificate of marriage No 265712.

Produced for registration the I day nine Grant Ogelvie Francis to 2421 Sophia Martha Richards wife of

2099

2419





Register Search (CT 5463/531) 28/08/2023 08:42AM

20230828000437

REAL PROPERTY ACT, 1886



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 5463 Folio 531

Parent Title(s) CT 5285/517

Creating Dealing(s) SC 8315765

Title Issued 27/10/1997 Edition 3 Edition Issued 22/05/2001

Estate Type

FEE SIMPLE

Registered Proprietor

AMBO PTY. LTD. (ACN: 066 036 333)
OF 76 NORTHGATE STREET UNLEY PARK SA 5061

Description of Land

SECTIONS 2400 AND 2418 HUNDRED OF GOOLWA IN THE AREA NAMED GOOLWA

Easements

NIL

Schedule of Dealings

NIL

Notations

Dealings Affecting Title NIL

Priority Notices NIL

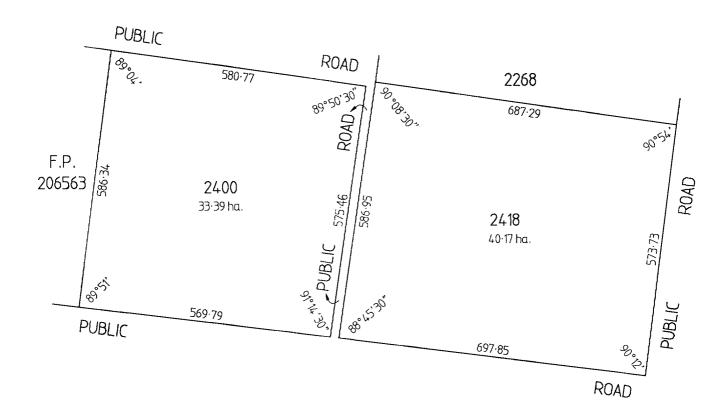
Notations on Plan NIL

Registrar-General's Notes NIL

Administrative Interests NIL

20230828000437





0 75 150 225 300 Metres



Historical Search 28/08/2023 08:42AM

20230828000437

Certificate of Title

Title Reference: CT 5463/531

Status: **CURRENT**

Parent Title(s): CT 5285/517

Dealing(s) Creating Title:

SC 8315765

Title Issued: 27/10/1997

Edition: 3

Dealings

Lodgement Date	Completion Date	Dealing Number	Dealing Type	Dealing Status	Details
15/05/2001	24/05/2001	9098237	AMENDMENT TO PROPRIETORS HIP DETAILS	REGISTERE D	AMBO PTY. LTD. (ACN: 066 036 333)
18/04/2001	07/05/2001	9081732	TRANSFER	REGISTERE D	AMBO PTY. LTD. (ACN: 066 036 333)
18/04/2001	07/05/2001	9081731	DISCHARGE OF MORTGAGE	REGISTERE D	4609497
23/06/1997	04/11/1997	8315766	EXTENSION OF LEASE	REGISTERE D	7315439
18/06/1992	13/10/1992	7315439	LEASE	REGISTERE D	TOLDEROL PTY. LTD. (ACN: 007 739 522), THOMAS HEATH VERCO
03/09/1980	10/09/1980	4609497	MORTGAGE	REGISTERE D	



Certificate of Title

Title Reference: CT 5285/517
Status: CANCELLED
Parent Title(s): CT 1199/125

Dealing(s) Creating Title: CONVERTED TITLE

 Title Issued:
 10/08/1995

 Title Cancelled:
 27/10/1997

Edition: 2

Child Titles

Title Reference	Status	Estate Type	Plan / Parcel	Proprietors/Lessees/ Custodians at time of issue
CT 5463/531	CURRENT	FEE SIMPLE	H150400 SECTION 2400	NARRINYERI FARM PTY. LTD.
			H150400 SECTION 2418	

zouth Australia

(CERTIFICATE OF TITLE.)

Register Book,



Vol. 1199 Polio 125

B (1.0 1. 1.41)	6 400-40
1 - Laiance Certificate of Alle	10m 10t 553.1410 129,-
40.	
Milliam Wither ackington of 9.	odua armer 15 -
the proprietor of an est	
subject nevertheless to such incumbrances liens and interests a	
and two and two and two	cod of Colya COUNTY of Omamars
and one rood personnes	, of hereaboute and 2418 contuming
	August Au
	and bounded as appears in the plan in the margin her
Except and reserved unto His Majesty His heirs and successors all go	ld silver copper tin and other metals ore minerals and other substan
containing metals and all gems and precious stones coal and mineral	oil in and upon such land and all incidental powers as provided for
"The Crown Lands Act 1903 "Which said Sections are in the Lands and Survey Office at Adelaide.	delineated in the public map of the said Dundred deposi
	1
In witness whereof I have hereunto signed my name and affixed my seal	this Sourteenth day of May 1921
beef the	
Signed the 1921, in the presence of May May	Guisper andling
1921, in the presence of Nothaw	
	Registrar-General.
	DAISTEN THE THE PARTY OF THE PA
	AUSTE
+	TO MONICOLON ADDITION NO TIPE
†	TRANSMISSION APPLICATION NO AT 8 4
EXCEPT MINERALS	TRANSMISSION APPLICATION NO. AT & Y. So that May field of yes history which will be a follow Ments
EXCEPT M NERALS	TRANSMISSION APPLICATION NO. AT & Y Ethel May field of us hade water Mile and of us hade without Michael of the man Mente PROPRIETOR TOW AN ENTATE IN THE SIMPLE IN THE WITH
EXCEPT M NERALS	LAND AS THE EXECUTA CONAMED IN THE WILL DE
EXCEPT M NERALS	TME DAY OF A DAY OF THE A
EXCEPT MINERALS	THE DAY OF April 1901. NAMED William arker Later
	LAND AS THE EXECUTAL CANAMED IN THE WILL DE
EXCEPT M NERALS 2268	NAMED A CLICATOR OF THE ANALY O
2268	NAMED A CLICATOR OF THE ANALY O
2268	LAND AS THE EXECUTAL CANAMED IN THE WILL DE LA CONTROL OF THE ENDAY OF CALLED THE AS APPEARS BY PROBATE DATED THE CONTROL OF CALLED
2268	LAND AS THE EXECUTAL CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED OF THE A DAY OF CANAMED OF CANAMED IN THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE WILL DE THE A DAY OF CANAMED IN THE DAY OF CANA
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2268 2394 2400 2418 2418	DAY OF APPEARS BY PROBATE DATED THE STATE DAY OF THE STAT
2394 2400 2418 2400 2418 2418	LAND AS THE EXECUTA CANAMED IN THE WILL DE THE AND DAY OF April 1991. NAMED A CLEAR ARCHIVE LA FRANCE WHO DIED ON THE DAY OF APPEARS BY PROBATE DATED THE THE DAY OF AGAIL 19. X5 TPRODUCED FOR REGISTRA THE WILL DAY OF ACTION OF A GAIL 19. X5 TPRODUCED FOR REGISTRA THE WILL DAY OF ACTION OF THE WILL DAY OF A GAIL 19. X5 TPRODUCED FOR REGISTRA THE WILL DAY OF THE WI
2268 2394 2400 2418 2418	LAND AS THE EXECUTAL CANAMED IN THE WILL DE THE AND DAY OF APPEARS BY PROBATE DATED THE THE DAY OF AGAIL 19. X3. TPRODUCED FOR REGISTRAL THR. 30 DAY OF CLABOLIST AT DAY OF A GALL MAY STORE TO SEP. REG. OF TRANSFER NO. 18 4/9 BROWN OF A STATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAND OF AN ESTATE IN THE WITHI
2394 2400 2418 2400 2418 2418 2418 2418 2418 2418 2418 2418	LAND AS THE EXECUTA CANAMED IN THE WILL DE THE ALL DAY OF APPEARS BY PROBATE DATED THE STANDING OF THE ALL DAY OF APPEARS BY PROBATE DATED THE STANDING OF AN ESTATE IN SEE SIMPLE IN THE WITHIN LAN PRODUCED FOR REGISTRAL DAY OF AN ESTATE IN SEE SIMPLE IN THE WITHIN LAN PRODUCED FOR REGISTRAL DAY OF AN ESTATE IN SEE SIMPLE IN THE WITHIN LAN PRODUCED FOR REGISTRATION THE SO DAY
2394 2400 2418 2400 2418 2418 2418 2418 2418 2418 2418 2418	LAND AS THE EXECUTAL CANNAMED IN THE WILL DATE THE DAY OF AGAIN OF THE ACTION WHO DIED ON THE DAY OF CAME 19. H. AS APPRARS BY PROBATE DATED THE THE DAY OF AGAIN OF AGAIN OF ACTION THREST DAY OF CLASSIFIA TRANSFER NO. NO SEP. REGISTRA TRANSFER NO. NO SEP. REGISTRA TRANSFER NO. NO SEP. REGISTRA OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAN PRODUCED FOR REGISTRATION THE 30 DAY OF OF OF SEP. OF OBER 19×) AT 3 AT
2394 2400 2418 2400 2418 2418	LAND AS THE EXECUTAL CANNAMED IN THE WILL DA THE DAY OF AFRICA 19 AT A SAPPEARS BY PROBATE DATED THE DAY OF AGAIN 19. XI PRODUCED FOR REGISTRA THRUSH DAY OF CLASSIFIA AT DEP, REGISTRA TRANSFER NO. 18 8 4/9 REGISTRA OF AN ESTATE IN THE SIMPLE IN THE WITHIN LAN PRODUCED FOR REGISTRATION THE SO DAY OF

fullication and DRAWE

Chal May Field and William Charles Robert Brooke
To Heavy Benjamin Turner

OF THE WITHIN LAND TERM 5 years from
the 1 day of a fiel 1957

PRODUCED FOR REGISTRATION THE 15 DAY OF

PRODUCED FOR REGISTRATION THE 15 DAY OF

Comber 1958 AT 1/2-40 fm

Charlesing offer land)

Roger P DEP REG GENLA

TRANSFER No. John Brocks 9 FROM Welliam Charles Pohent Brocks to the Baid William Charles Robert Brooks and Joyce Charles There is 388 Flen Eine Road Cauffeld Vic. Married Mornan More additioned Mosely OF AN ESTATEIN FIRE SIMPLIFIED THE WITHIN LAND AS JOAN OF MAY 1987 AT 12.10 pm

LEASE No. 2029997

Bethel chay Field William Charles Robert brooks and Joyce Ethel Price to Kenny Surjamin Turner Syeans from the I day of April, 1957

MEDDUCHO DOR REMETERATION THE 13 DAY OF Chounter 1857 AT 2.55 fms (Chucheding)

T2285532

TRANSFER No. 22 8553 traory. Ethel May Field to William Charles Robert Brooks of 5 blunch Road, Upper Nutchann. Engineer and Joyce Ethel Price of 388 Hen Eira Road, bauffeld Victoria. Married Womann of and wordinded mosety in THE WITHIN land. As tensanto in Common PRIDUCED 30 LA MARRIED DEP. REG. GEN.

TRANSFER No. 2352984

to Narrin yeri Farm Limited

of Goods a

OF THE WITHIN LAND, PRODUCED 14.5 19 62 AT 12.55 DEP. REG. GEN.

M4609497

MORTGAGE No. 4609 497 TO
AUSTRALIA AND NEW ZEALAND BANKING GROUP LIMITED
PRODUCED 3.9.1980 AT 10.10 am

LEASE No. 73 15439

Tolderol Pty. Ltd. and Thomas
Heath Verco As Joint Tenants in

Of the Within LAND. TERM of 3 years

commencing on 27.4.1992

PRODUCED: 18.6.1992 AT 11:20

CANCELLED

CONVERTED TO A COMPUTERISED TITLE

(1)

Day. H. Bosanguet



Register Book,

853 Folio 129

Land Grant.

Registrar-General.

[IN DUPLICATE.]

	Dis Excellency the Governor in consideration of
1	Sevendy nine Journals and Len phillings
1	Jakoba Maria Jakoba Maria Jakoba Maria Maria Maria Jakoba Maria Jakoba Maria Jakoba Maria Jakoba Maria Jakoba Maria Mari
M	sterling heretofore paid to the Treasurer as appears by the receipt at foot by
. ///	Alexander Ross Gardan of Millicent Agent
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ing M	hereinafter called the Grantee doth hereby in the name and on behalf of Dis Majesty Grant unto the
1 1/2	Grantee 311 There sections of land containing Two Jumbred and Swelve acres
Hh /3/	Grantee 311 Machines sections of land containing 3 400 January 1000
Certified correct,	or thereabouts situate in the
ged co	Hundred of Goolina Country of Hindmarsh
Corty	and numbered 200.2400 and 2418
	and delineated in the public maps deposited in the Survey Office at Abelaide and in the plan in the margin hereof Except and reserved unto His Majesty His Heirs and Successors all gold silver copper tin
Ext.	and other metals ore minerals and other substances containing metals and all gems precious stones coal and
The state of the s	mineral oil in and upon such land and all incidental powers as provided for in "The Crown Lands Act 1903"
	To hold unto and to the use of the Grantee and the Heirs of the Grantee for ever.
	Given under the hand of the Governor and the Public Seal of South Australia this
	First day of December one thousand nine hundred and few
	DV COMMAND
	BY COMMAND,
	(Land Land
	Commissioner of Crown Lands,
	Received Seventy mine frameds
	and fan shidhidhings
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	purchase-money as before expressed.
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anster No 533860 from Alfxander Ross Lordon to William arthur Lackington of Goolwa Farmer of an land registration Franche Nº78/392 from William arthor Lackington to Samuel Henry Lovett of Goofwa Butcher of an estate in fee Simple in the within land Broduced for ransfer 10781392 from Wellia Wichwi Lackington to Samuel Heavy Lovell of the within see 200. Produced for registration the !! day of april 1921 at 2.10 pm b ancelled as regards the within see 200 and New bertificate of Jul. essued therefor Voe 1198 . Ishumul DefRegs. FOL. 125 MINIMANDER. REG. GENE



Product
Date/Time
Customer Reference
Order ID

Register Search (CT 5463/532) 28/08/2023 08:47AM

20230828000469

REAL PROPERTY ACT, 1886



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 5463 Folio 532

Parent Title(s) CT 5285/518

Creating Dealing(s) SC 8315765

Title Issued 27/10/1997 Edition 3 Edition Issued 22/05/2001

Estate Type

FEE SIMPLE

Registered Proprietor

AMBO PTY. LTD. (ACN: 066 036 333)
OF 76 NORTHGATE STREET UNLEY PARK SA 5061

Description of Land

SECTION 2403 HUNDRED OF GOOLWA IN THE AREA NAMED GOOLWA

Easements

NIL

Schedule of Dealings

NIL

Notations

Dealings Affecting Title NIL

Priority Notices NIL

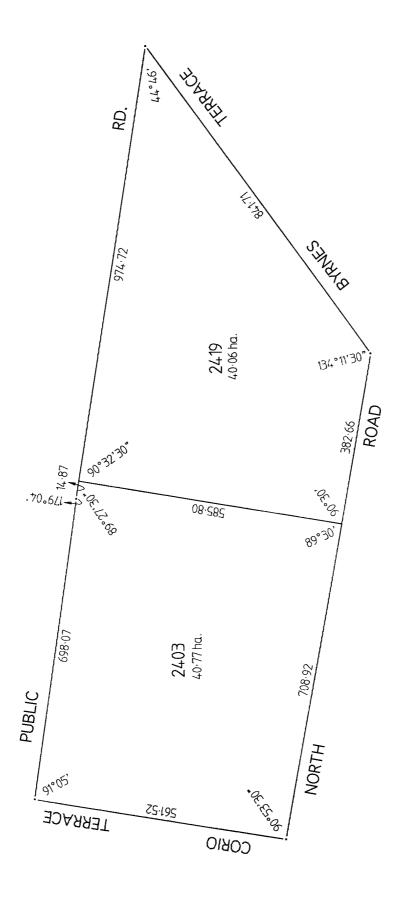
Notations on Plan NIL

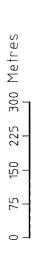
Registrar-General's Notes NIL

Administrative Interests NIL

Land Services SA Page 1 of 2

20230828000469







Product Date/Time **Customer Reference** Order ID

Historical Search 28/08/2023 08:47AM

20230828000469

Certificate of Title

Title Reference: CT 5463/532

Status: **CURRENT**

Parent Title(s): CT 5285/518

Dealing(s) Creating Title:

SC 8315765

Title Issued: 27/10/1997

Edition: 3

Dealings

Lodgement Date	Completion Date	Dealing Number	Dealing Type	Dealing Status	Details
15/05/2001	24/05/2001	9098237	AMENDMENT TO PROPRIETORS HIP DETAILS	REGISTERE D	AMBO PTY. LTD. (ACN: 066 036 333)
18/04/2001	07/05/2001	9081732	TRANSFER	REGISTERE D	AMBO PTY. LTD. (ACN: 066 036 333)
23/06/1997	04/11/1997	8315766	EXTENSION OF LEASE	REGISTERE D	7315439
18/06/1992	13/10/1992	7315439	LEASE	REGISTERE D	TOLDEROL PTY. LTD. (ACN: 007 739 522), THOMAS HEATH VERCO

Land Services SA Page 1 of 1



Certificate of Title

Title Reference: CT 5285/518

Status: CANCELLED

Parent Title(s): CT 4398/3

Dealing(s) Creating Title: CONVERTED TITLE

 Title Issued:
 10/08/1995

 Title Cancelled:
 27/10/1997

Edition: 2

Child Titles

Title Reference	Status	Estate Type	Plan / Parcel	Proprietors/Lessees/ Custodians at time of issue
CT 5463/532	CURRENT	FEE SIMPLE	H150400 SECTION 2403	NARRINYERI FARM PTY. LTD.

Land Services SA Page 1 of 1

CERTIFICATE OF TITLE

South Australia

Register Book,

Volume 4398 Folio

3



New Certificate for the whole of the Land in Vol.305 Folio 244

NARRINYERI FARM LTD. of Goolwa 5214 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 SECTION 2403 HUNDRED OF GOOLWA and delineated on the diagram hereon

Registrar-General

Dated 16 September 1992



NORTH ROAD & CORIO TERRACE VIDE DKT. 164/1993.

GOVT RD. 698.07

GOVT R

LEASE 7315439 to TOLDEROL PTY. LTD. and THOMAS HEATH VERCO AS JOINT TENANTS in the within land Term of 3 years commencing on 27.4.1992 Produced 18.6.1992 at 11:20

CANCELLED

CONVERTED TO A COMPUTERISED TITLE



0 100 200 300 400 Metres

162218 South Australia. (CERTIFICATE OF TITLE.) Register Book, CERTIFICATE OF Folio Little SUED VIDE T315439 VOL 4398 FOL Pursuant to Jemorandina WIU of Golwa Measter Marmer is now seised 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 section of land situated in the Homored of Goolwa Country to Findmarch 7.2403 containing one hundred and three acres or hereabouts 5 and bounded as appears in the plan in the margin hereo which said Section delineated in the public map of the said deposited in the office of the Surveyor-General. Registrar-General. In witness whereof, I have hereunto signed my name and affixed my seal this Seventeenth day of april one thousand eight hundred and seventy presence of 2417 BARCH 2398 6 2403 2419 ×7535 2402 Corrections 5-7-62 and James regestiation 40 Chains Indrew Scatt Perie master scripto en the withen

The above named Peter George Tolonston died on the I day TRANSMISSION APPLICATION No 1650120 June 1900 as appears by ford William harles haber / Brooks of Schurch Res PROPRIETOR OF AN ESTATE IN FEE SIMPLE IN 403618. Produced for registre LAND AS THE ADMINISTRATION OF THE BETATE OF THE ABOVE NAMED AND ADMINISTRATION OF THE BETATE OF THE ABOVE NAMED OF THE BETATE OF THE BOWNING THAT IS NOT THE BETATE OF THE the 23 day of gleringry 1904 als Meath, Depleg The within mortgage to 2182 73 DATED THE MINING DAY OF MELOSAN WILLIAM DAY OF MELOSAN WARDEN DAY OF MELOSAN WARDEN DAY OF is discharges from the sun Most willes 15 5 3 AT Mark All Market of \$64-0-0 and the with allud Kand is discharged fro The May field and Dilliam Thanks Mobert Brooks to Heavy Benjamin Turner Jehrugry 1904 at 3 OF THE WITHIN LAND TERM 5 years from Produced for registrate Transfer no. 405619 from George Leember SV 17/2 40 pm I AN Of Lugleding other lind DEP. REG. GENL George algres mailmen William Charles Refer Brooks Thomas Brooks of the Price of 382 Flow for A Road Carline Warrant Worker Stand Ford Carlield Vic. Married Worker ashbonene grazier of an Extan Aungele" of for registra the 23 day February 1904 OF AN ESTATE OF FEED SIMPLE AND WITHIN LAND
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May 1957 AT 12 10 pm SCHARGE OF THE MORTOAGE PRATION PHE DAYOF Bennetts DEP. REG. GENL. Echel alay Field William Charles tobe of the State and Joyce & the China Kenny Benjamin Turner: William arthur Lackington Godwa Baker of an I day of April 1957 within Roduces for registralism November 195 7 AT 2 55 from

(Sucluding State land)

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Schol May field of 13 to the former of the state of 15 to the market of 15 to the marke TRANSFER No. 228532 FROM Ethel May Field to William Chailes Robert Broofs Church Road, Upper lutcham England Joyce Ethel Price of 388 The Evice Road, Gaulfield Victoria Married Woman. of one undwirded mostly in THE DAY OF AFUL 193/ NAME Clians arthur Lackington OF THE WITHIN land. as tenduto in WHO DIED ON THE DAY OF JAMES AND AND AT A DAY OF COLOR OF PRODUCED 30 5 1961 ATMAN DEP. REG. GEN. Wellary DEP. REG. GENL. TRANSFER No. 235 2 984 Navimyeri Goolwa farm Limited . TRANSFER No. 1578 49

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Victoria Stooke to the Haid
Schol May Field and Myrice
OF AN ESTATE IN FEE SIMPLE AN THE WITHIN LAND
PRODUCED FOR REGISTRATION THE 30

DAY OF and Myrele to the Hard OF THE WITHIN LAND. PRODUCED 14 5 19 62 AT D. 85 DEP. REG. GEN.

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SEE FACE OF CT



Product
Date/Time
Customer Reference
Order ID

Register Search (CT 6071/445) 28/08/2023 09:06AM

20230828000771

REAL PROPERTY ACT, 1886



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 6071 Folio 445

Parent Title(s) CT 5463/533

Creating Dealing(s) TG 11497720

Title Issued 31/01/2011 Edition 1 Edition Issued 31/01/2011

Estate Type

FEE SIMPLE

Registered Proprietor

AMBO PTY. LTD. (ACN: 066 036 333)
OF 76 NORTHGATE STREET UNLEY PARK SA 5061

Description of Land

SECTION 2419 HUNDRED OF GOOLWA IN THE AREA NAMED GOOLWA

Easements

SUBJECT TO EASEMENT(S) OVER THE LAND MARKED A TO THE COUNCIL FOR THE AREA (TG 11497720)

Schedule of Dealings

NIL

Notations

Dealings Affecting Title NIL

Priority Notices NIL

Notations on Plan NIL

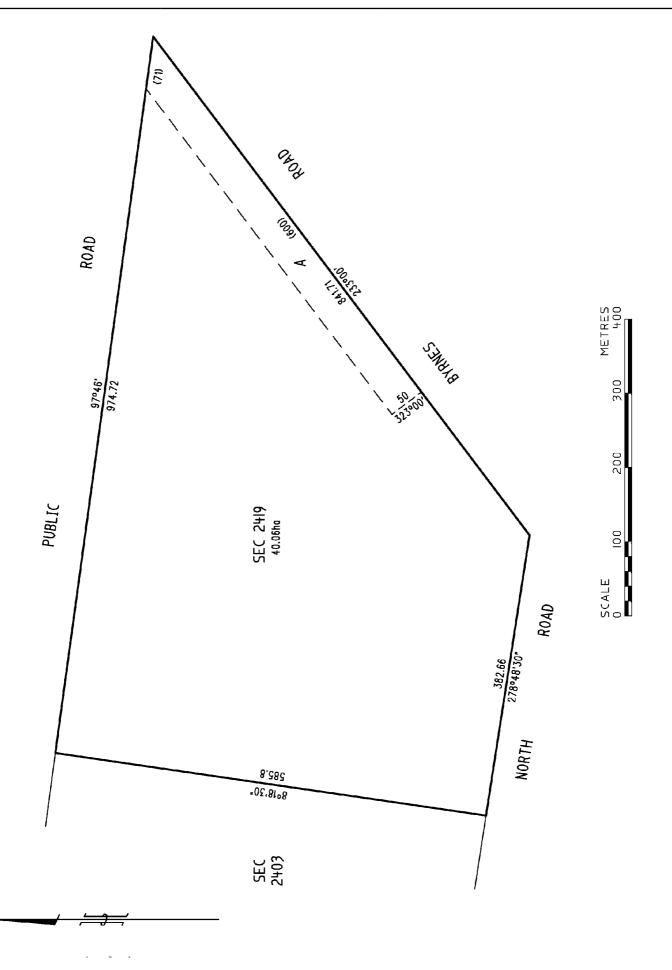
Registrar-General's Notes NIL

Administrative Interests NIL

Land Services SA Page 1 of 2

20230828000771







Product Date/Time **Customer Reference** Order ID

Historical Search 28/08/2023 09:06AM

20230828000771

Certificate of Title

Title Reference: CT 6071/445

Status: **CURRENT**

Parent Title(s): CT 5463/533

Dealing(s) Creating Title:

TG 11497720

Title Issued: 31/01/2011

Edition:

Dealings

No lodged Dealings found.

Land Services SA Page 1 of 1



Certificate of Title

Title Reference: CT 5463/533

Status: CANCELLED

Parent Title(s): CT 5285/519

Dealing(s) Creating Title: SC 8315765

Title Issued: 27/10/1997

Title Cancelled: 31/01/2011

Edition: 3

Child Titles

Title Reference	Status	Estate Type	Plan / Parcel	Proprietors/Lessees/ Custodians at time of issue
CT 6071/444	CURRENT	EASEMENT ONLY	H150400 SECTION 2419	ALEXANDRINA COUNCIL
CT 6071/445	CURRENT	FEE SIMPLE	H150400 SECTION 2419	AMBO PTY. LTD.

Land Services SA Page 1 of 1



Certificate of Title

Title Reference: CT 5285/519

Status: CANCELLED

Parent Title(s): CT 311/224

Dealing(s) Creating Title: CONVERTED TITLE

Title Cancelled: 27/10/1997

Edition: 2

Child Titles

Title Issued:

Title Reference	Status	Estate Type	Plan / Parcel	Proprietors/Lessees/ Custodians at time of issue
CT 5463/533	CANCELLED	FEE SIMPLE	H150400 SECTION 2419	NARRINYERI FARM PTY. LTD.

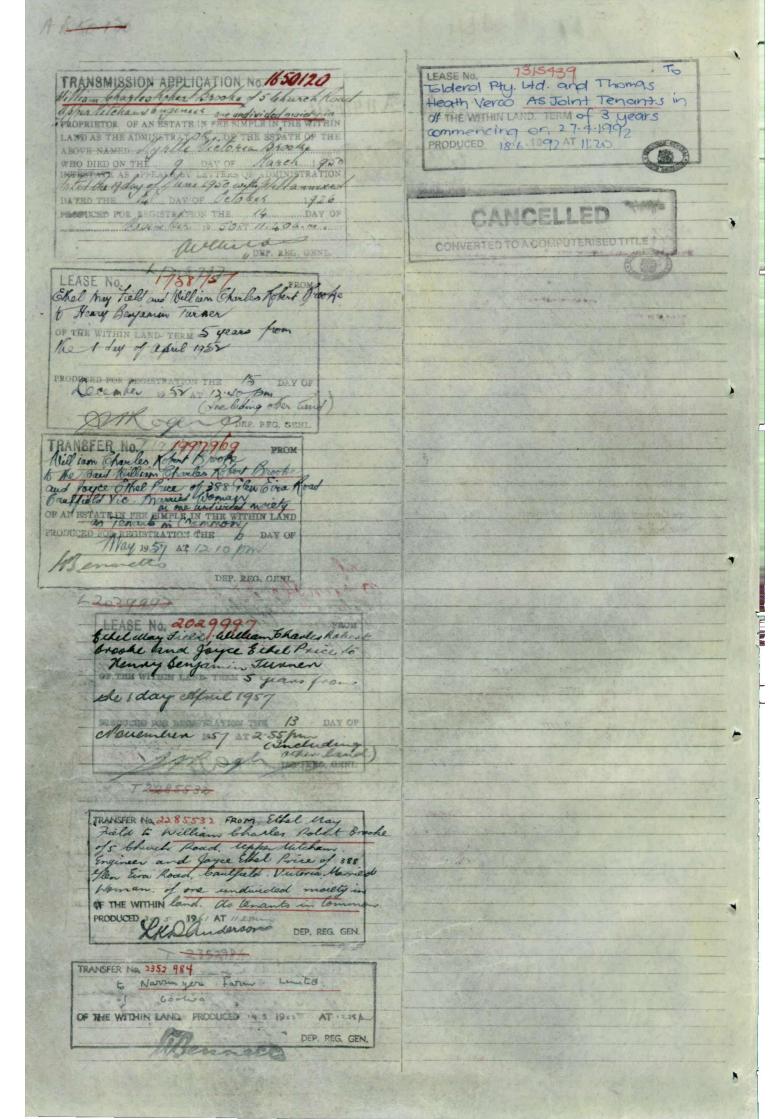
10/08/1995

Land Services SA Page 1 of 1

South Australia (CERTIFICATE OF TITLE.) (C) Surguant to application of 17306 and Charles Wilson Colman both of Goolwa Gentlems now seised of an estate in fee simple, subject nevertheless to such encumbrances, liens, and interests, as are notified by memorial underwritten or endorsed hereon in Mal Section of land viduated mish Mandred of Goodwa Country of Handmarol Del mille margen hereof which said Section to delineated in the public map of the said Hondland deposited in the office of the Surveyor-General and was originally grante of the DH de day of November 1853 under the hand and real office deceterant Governor of the said Provence to Registrar-General. In witness whereof, I have hereunto signed my name and affixed my seal this With day of they one thousand eight hundred and seventy une presence of NORTH ROAD & BYRNES TERRACE VIDE DKT. 164/1993 2420 2421 2419 2403 7535 No satisfactory data for TRANSMISSION APPLICATION NO. 15/8 4/8

TRANSMISSION APPLICATION NO. 15/8 4/8

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PROPRIETOR OF AN ESTATE IN PER SIMPLE IN THE WITHIN length of line A.B. NORTH ROAD LAND AS THE EXECUTP CET NAMED IN THE WILL DATED Connections in med vide Lr. 3088/02 consDAY OF So Chas 5-76 HANRO William archus WHO DIED ON THE 19... AS APPEARS BY PROBATE DATED THE ... DEP. REG. GENL FROM





APPENDIX C

Property Location Browser Information

The SA Property and Planning Atlas is available on the Plan SA website: https://sappa.plan.sa.gov.au

Government of South Australia

Land Services Group

8/24/23, 10:52 AM Export

PARCEL IDENTIFIER	TITLE	CROWN REF	PROPERTY UNIT	PROPERTY HOUSE	PROPERTY ST NAME	PROPERTY ST TYPE	PROPERTY SUBURB	VALUATION NO
H150400SE2418	CT5463/531			LOT3	ALEXANDRINA	RD	GOOLWA	453974700*
H150400SE2403	CT5463/532			LOT2403	NORTH	RD	GOOLWA	4541161008
H150400SE2420	CT5463/530			LOT3	ALEXANDRINA	RD	GOOLWA	453974700*
H150400SE2419	CT6071/445			LOT2403	NORTH	RD	GOOLWA	4541161008
H150400SE2417	CT5463/529			LOT3	ALEXANDRINA	RD	GOOLWA	453974700*
H150400SE2400	CT5463/531			LOT3	ALEXANDRINA	RD	GOOLWA	453974700*
D22658AL4	CT5413/829			LOT4	ALEXANDRINA	RD	GOOLWA	4541058051



APPENDIX D

Local Council Zoning Plans + Land Use Information

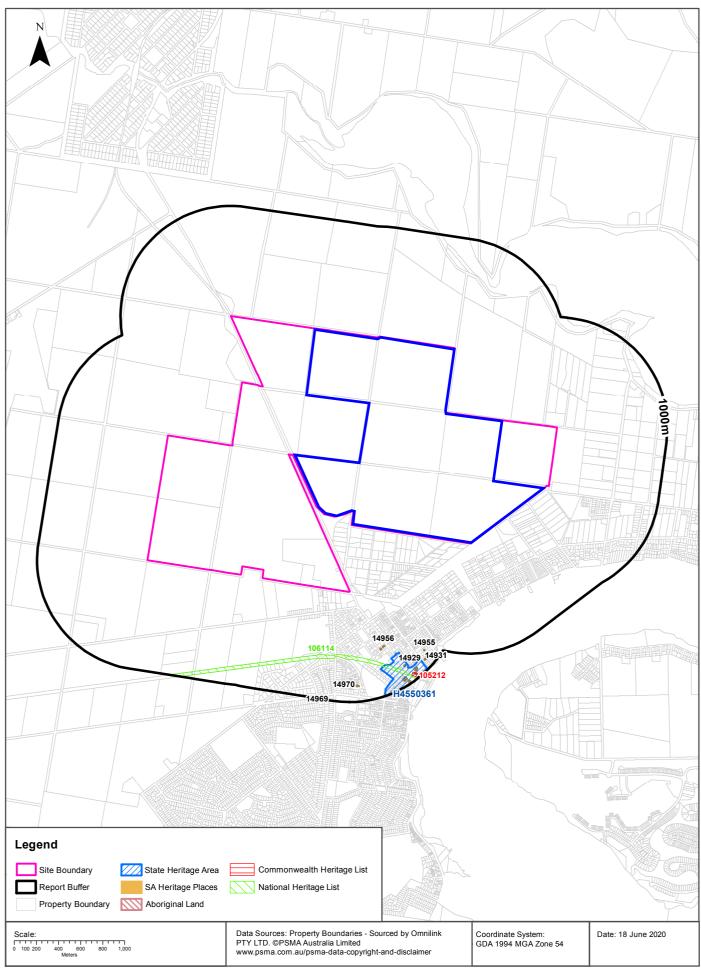




Heritage

Goolwa Growth Areas DPA, Goolwa, SA 5214





Heritage

Goolwa Growth Areas DPA, Goolwa, SA 5214

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
105212	Goolwa Post Office	Goolwa Tce, Goolwa SA	3/09/086/0031	Historic	Ineligible Place		929m	South

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

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 lo	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
106114	Goolwa to Port Elliot Right of Way	Goolwa SA	3/09/086/0050	Historic	Nomination now ineligible for PPAL		574m	South West

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

State Heritage Areas

State Heritage Areas within the dataset buffer:

Heritage Id	Name	Distance	Direction
H4550361	Goolwa	705m	South

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

SA Heritage Places

SA Heritage Places within the dataset buffer:

Heritage No	Location	Heritage Class	Australian Class	Details	Auth Date	Distance	Direction
14956	Cadell & Farquhar Streets GOOLWA	State	Religious Building	Holy Evangelist Anglican Church & Hall		577m	South
14929	2 Cadell Street GOOLWA	State	Business: Commercial/Retail	Two-storey Shop		830m	South
14970	Collingwood Street GOOLWA	State	Religious Building	Goolwa Uniting (former Wesleyan Methodist) Church		844m	South
14955	246 Liverpool Road GOOLWA	State	House	Dwelling ('Birchell House')		851m	South East
14931	Goolwa Terrace GOOLWA	State	Police Station	Goolwa Police Station and Courthouse, including Cells and Stables		906m	South
14974	12 Brooking Street GOOLWA	State	House	Dwelling - Captain Richie's Cottage		910m	South East
14971	Goolwa Terrace GOOLWA	State	Hotel - Motel - Inn	Corio Hotel, Bottle Shop (former Stable) and Stone Wall		918m	South

Heritage No	Location	Heritage Class	Australian Class	Details	Auth Date	Distance	Direction
14937	Laurie Lane GOOLWA	State	Restaurant - Cabaret - Nightclub	RSL Clubrooms (former Goolwa - Port Elliot Railway Horse Stables)		937m	South
14972	Goolwa Terrace GOOLWA	State	Hotel - Motel - Inn	The Australasian Circa 1858		965m	South
14932	Lot 236 B. F. Laurie Lane GOOLWA	State	House	Dwelling (former Goolwa Railway Superintendent's Residence)		976m	South
14969	5 Port Elliot Road GOOLWA	State	House	Dwelling ('Thornbury')		995m	South
14958	Chrystal Street GOOLWA	State	Historic Sites (unclassified)	Former Chart House of Abraham Graham's Patent Slip and Ironworks		1000m	South East

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

Aboriginal Land

Aboriginal Land within the dataset buffer:

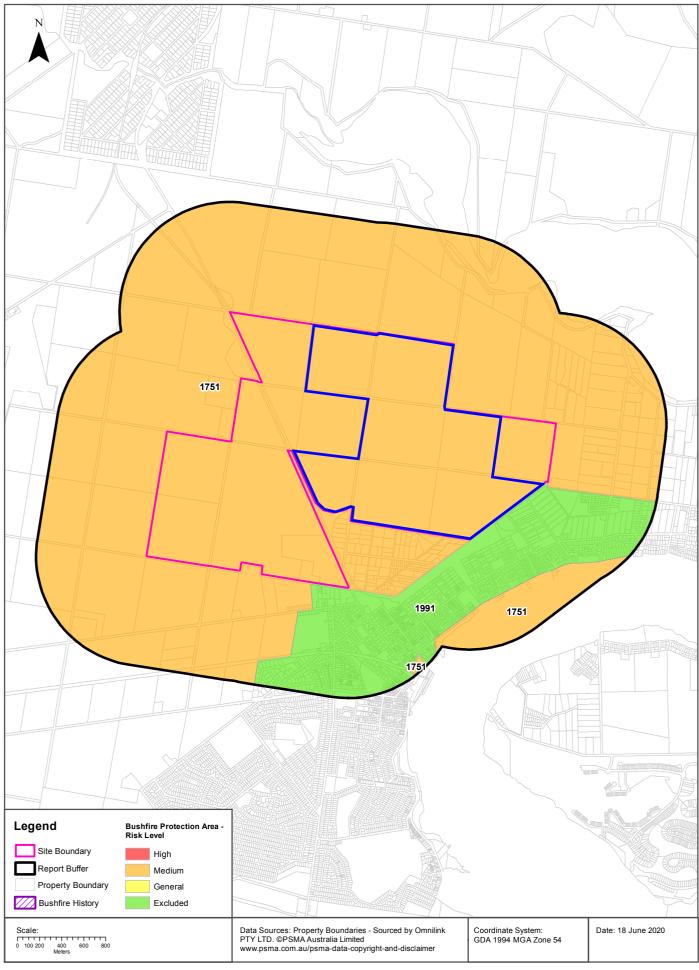
Map Id	Grant Date	Address	Locality	Description	Title	Distance	Direction
N/A	No records in buffer						

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

Natural Hazards - Bushfire

Goolwa Growth Areas DPA, Goolwa, SA 5214





Natural Hazards

Goolwa Growth Areas DPA, Goolwa, SA 5214

Bushfire Protection Areas

Bushfire Protection Areas within the dataset buffer:

Map Id	Bushfire Risk Code	Development Plan Code	Additional Development Criteria	Distance	Direction
1751	Medium	ALEX		0m	On-site
1991	Excluded	ALEX		9m	South

Bushfire Protection Areas Data Source: Dept of Planning, Transport and Infrastructure - South Australia Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Bushfires and Prescribed Burns History

Bushfires and prescribed burns within the dataset buffer:

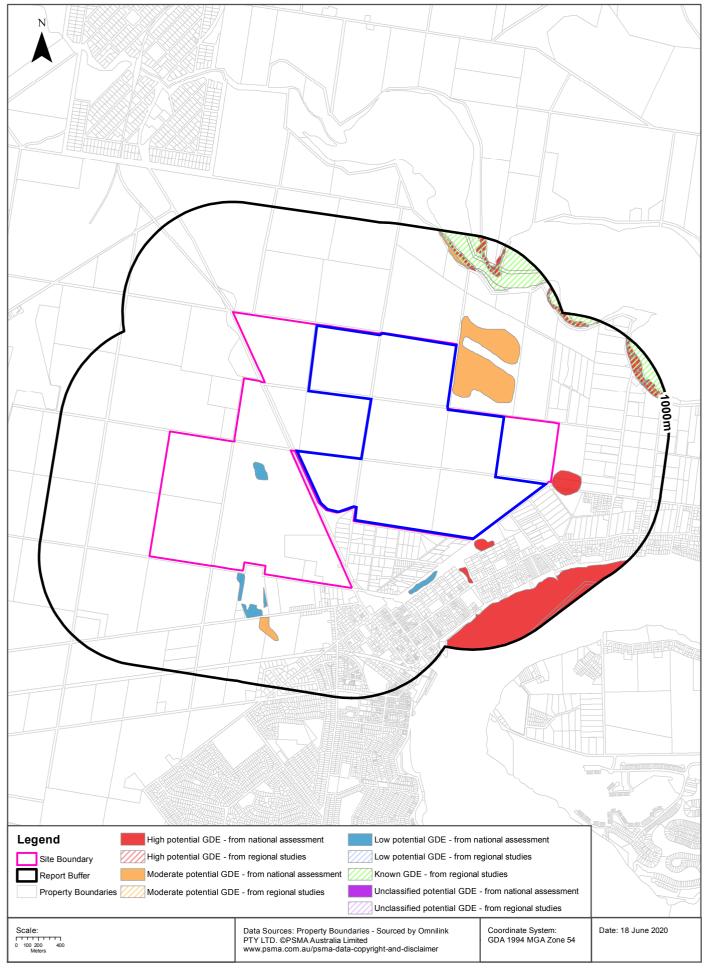
Map Id	Incident No.	Incident Name	Incident Type	Date of Fire	Area of Fire	Distance	Direction
N/A	No records in buffer						

Bushfires and Prescribed Burns History Data Source: Dept of Environment, Water and Natural Resources - South Australia Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Ecological Constraints - Groundwater Dependent Ecosystems Atlas

Goolwa Growth Areas DPA, Goolwa, SA 5214





Ecological Constraints

Goolwa Growth Areas DPA, Goolwa, SA 5214

Groundwater Dependent Ecosystems Atlas

GDEs within the dataset buffer:

MapID	Туре	Name	GDE Potential	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
146574	Terrestrial		Low potential GDE - from national assessment	6	Coastal barrier, lagoons and limestone dunes.	Vegetation		0m
24254	Aquatic		High potential GDE - from national assessment	9	Coastal barrier, lagoons and limestone dunes.	Wetland		6m
88477	Terrestrial		Moderate potential GDE - from national assessment	7	Coastal barrier, lagoons and limestone dunes.	Vegetation		13m
14887	Aquatic		High potential GDE - from national assessment	8	Coastal barrier, lagoons and limestone dunes.	Wetland		23m
42213	Aquatic		Low potential GDE - from national assessment	8	Coastal barrier, lagoons and limestone dunes.	Wetland		26m
41796	Aquatic		Low potential GDE - from national assessment	6	Coastal barrier, lagoons and limestone dunes.	Wetland		117m
47647	Aquatic		High potential GDE - from national assessment	8	Coastal barrier, lagoons and limestone dunes.	Wetland		256m
46979	Aquatic		Low potential GDE - from national assessment	6	Coastal barrier, lagoons and limestone dunes.	Wetland		291m
13735	Aquatic		Low potential GDE - from national assessment	9	Coastal barrier, lagoons and limestone dunes.	Wetland		334m
146688	Terrestrial		Moderate potential GDE - from national assessment	6	Coastal barrier, lagoons and limestone dunes.	Vegetation		377m
3748	Aquatic		Known GDE - from regional studies	10	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	598m
55794	Aquatic		High potential GDE - from national assessment	10	Coastal barrier, lagoons and limestone dunes.	Wetland		605m
3757	Aquatic		Known GDE - from regional studies	10	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	649m
146390	Terrestrial		High potential GDE - from national assessment	10	Complex fold belt of prominent ranges in north, chiefly quartzite with vales on weaker rocks; stepped fault blocks and islands in south, mainly of weathered metamorphic rocks with ferruginous cappings.	Vegetation		683m
124155	Terrestrial		Moderate potential GDE - from national assessment	10	Complex fold belt of prominent ranges in north, chiefly quartzite with vales on weaker rocks; stepped fault blocks and islands in south, mainly of weathered metamorphic rocks with ferruginous cappings.	Vegetation		688m
102308	Terrestrial		High potential GDE - from national assessment	9	Coastal barrier, lagoons and limestone dunes.	Vegetation		707m
3878	Aquatic		Known GDE - from regional studies	10	Complex fold belt of prominent ranges in north, chiefly quartzite with vales on weaker rocks; stepped fault blocks and islands in south, mainly of weathered metamorphic rocks with ferruginous cappings.	River	Fractured rock	708m

MapID	Туре	Name	GDE Potential	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
100228	Terrestrial		High potential GDE - from national assessment	4	Complex fold belt of prominent ranges in north, chiefly quartzite with vales on weaker rocks; stepped fault blocks and islands in south, mainly of weathered metamorphic rocks with ferruginous cappings.	Vegetation		709m
3758	Aquatic		Known GDE - from regional studies	10	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	720m
73853	Aquatic		Known GDE - from regional studies	1	Complex fold belt of prominent ranges in north, chiefly quartzite with vales on weaker rocks; stepped fault blocks and islands in south, mainly of weathered metamorphic rocks with ferruginous cappings.	River	Fractured & consolidated sedimentary	772m
2299	Aquatic		Known GDE - from regional studies	10	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	815m
	Terrestrial		High potential GDE - from national assessment	2	Coastal barrier, lagoons and limestone dunes.	Vegetation		815m
2262	Aquatic		Known GDE - from regional studies	2	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	821m
365	Aquatic		Known GDE - from regional studies	9	Complex fold belt of prominent ranges in north, chiefly quartzite with vales on weaker rocks; stepped fault blocks and islands in south, mainly of weathered metamorphic rocks with ferruginous cappings.	River	Fractured rock	822m
3788	Aquatic		Known GDE - from regional studies	10	Coastal barrier, lagoons and limestone dunes.	River	Fractured & consolidated sedimentary	830m
24263	Aquatic		Known GDE - from regional studies	2	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	836m
81663	Terrestrial		High potential GDE - from national assessment	10	Coastal barrier, lagoons and limestone dunes.	Vegetation		848m
3830	Aquatic		Known GDE - from regional studies	2	Coastal barrier, lagoons and limestone dunes.	River	Fractured & consolidated sedimentary	849m
3692	Aquatic		Known GDE - from regional studies	2	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	852m
23613	Aquatic		Known GDE - from regional studies	10	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	872m
3274	Aquatic		Known GDE - from regional studies	9	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	890m
146421	Terrestrial		High potential GDE - from national assessment	10	Coastal barrier, lagoons and limestone dunes.	Vegetation		892m
70350	Aquatic		High potential GDE - from national assessment	10	Coastal barrier, lagoons and limestone dunes.	River		915m
3974	Aquatic		Known GDE - from regional studies	10	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	920m
73768	Aquatic		Known GDE - from regional studies	10	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	934m
3961	Aquatic		Known GDE - from regional studies	2	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	951m
73857	Aquatic		Known GDE - from regional studies	10	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	963m
3225	Aquatic		Known GDE - from regional studies	8	Coastal barrier, lagoons and limestone dunes.	River	Fractured rock	965m

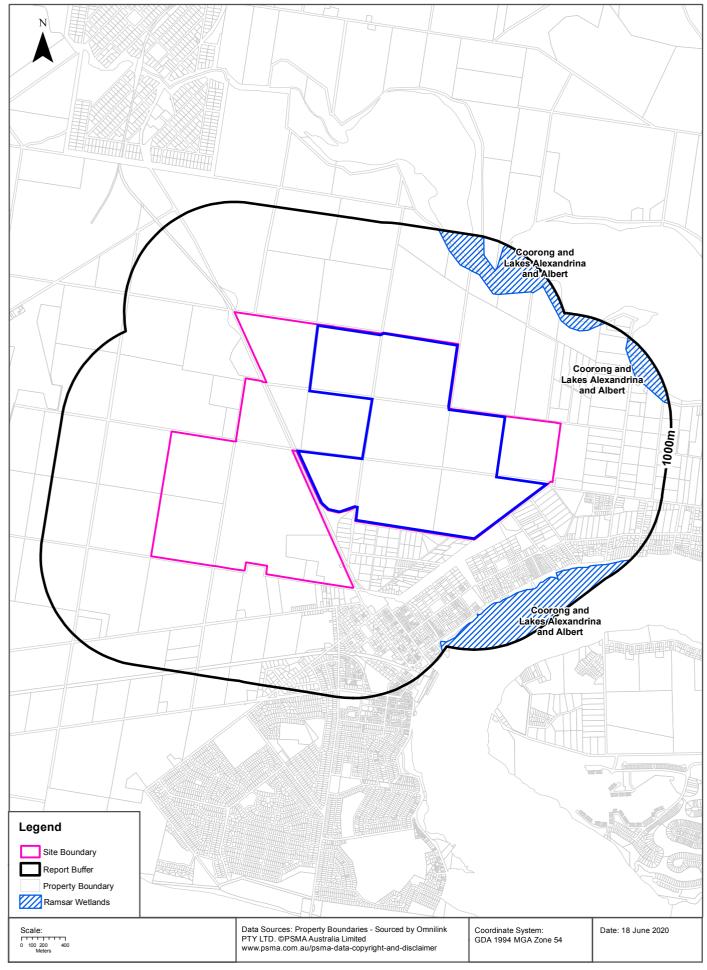
MapID	Туре	Name	GDE Potential	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
2251	Aquatic		Known GDE - from regional studies	10	Complex fold belt of prominent ranges in north, chiefly quartzite with vales on weaker rocks; stepped fault blocks and islands in south, mainly of weathered metamorphic rocks with ferruginous cappings.	River	Fractured rock	973m

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

Ecological Constraints - Ramsar Wetlands

Goolwa Growth Areas DPA, Goolwa, SA 5214





Ecological Constraints

Goolwa Growth Areas DPA, Goolwa, SA 5214

Ramsar Wetlands

Ramsar Wetlands within the dataset buffer:

Wetland	Distance	Direction	
Coorong and Lakes Alexandrina and Albert	553m	South East	

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

Location Confidences

Where Lotsearch has had to georeference features from supplied addresses, a location confidence has been assigned to the data record. This indicates a confidence to the positional accuracy of the feature. Where applicable, a code is given under the field heading "LC" or "LocConf". These codes lookup to the following location confidences:

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

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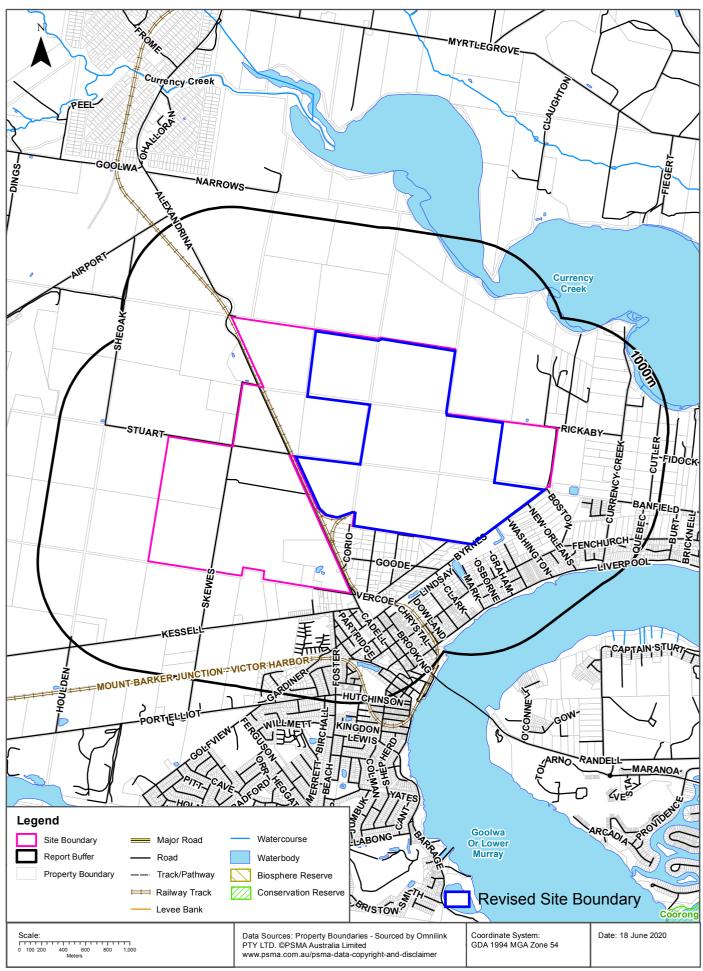


APPENDIX E

Topographical + Geological + Soil Maps

Topographic Features





Mining

Goolwa Growth Areas DPA, Goolwa, SA 5214

Mines and Mineral Deposits

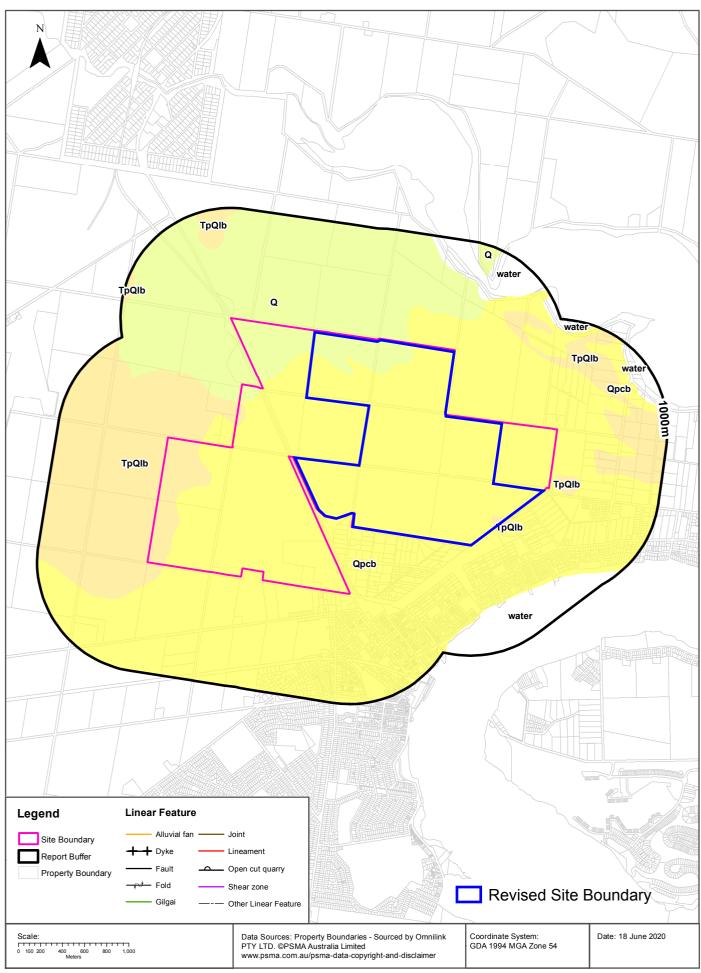
Mines and mineral deposits within the dataset buffer:

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

All Mines and Mineral Deposits Data Source: Dept. of State Development, Resources and Energy - South Australia Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Geology 1:100,000





Geology

Goolwa Growth Areas DPA, Goolwa, SA 5214

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	Distance
Q	Unnamed GIS Unit - see description	Undifferentiated Quaternary rocks.		UNKNOWN	PLEISTOCENE- HOLOCENE	Quaternary	Quaternary	Om
Qpcb	Bridgewater Formation	Coastal barrier and shallow sub- tidal sediments: bioclastic and aeolian cross-bedded calcarenite, palaeosol horizons, often capped by calcrete.	Unnamed GIS Unit - see description	COASTAL QUATERNARY	PLEISTOCENE	Pleistocene	Pleistocene	0m
TpQlb	Blanchetown Clay	Clay, greenish grey, sandy; limestone, thin; and quartz sand; clay, green-grey, mottled, sandy.	Unnamed GIS Unit - see description	MURRAY BASIN	PLIOCENE- PLEISTOCENE	Pleistocene	Pliocene, Late	Om
water								528m

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

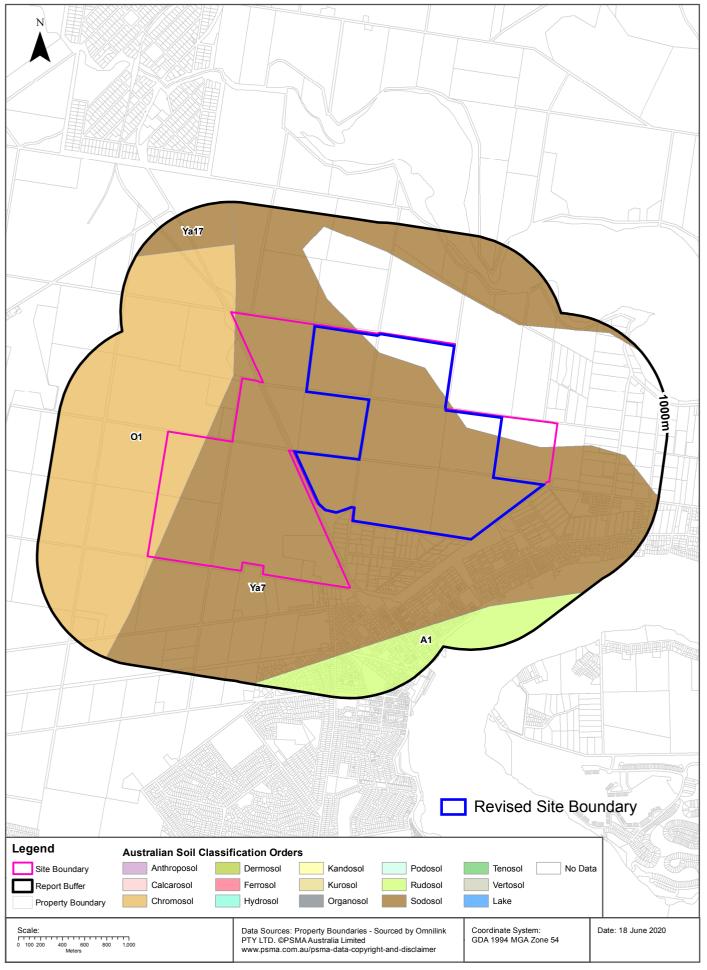
Linear geological structures within the dataset buffer:

Map Code	Description	Distance
N/A	No features in buffer	

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/

Atlas of Australian Soils





Soils

Goolwa Growth Areas DPA, Goolwa, SA 5214

Atlas of Australian Soils

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

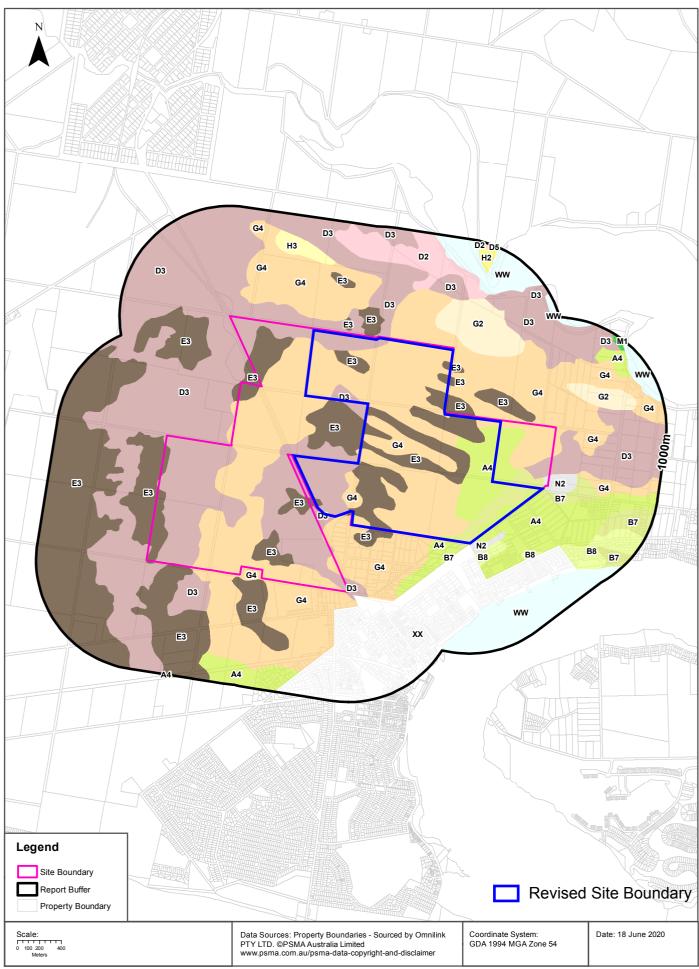
Map Unit Code	Soil Order	Map Unit Description	Distance
01	Chromosol	Outwash plains: hard alkaline red soils (Dr2.23 with small areas Dr2.33); small areas cracking clay soils (Ug5.15, Ug5.16, and Ug5.2), also hard alkaline yellow mottled soils (Dy3.43); minor areas (Um6.21) and (Uf6.11); various alluvial soils (unclassified) in the stream valleys.	0m
Ya7	Sodosol	Plains with tracts of dunes: plains of sandy alkaline yellow mottled soils (Dy5.43) and related soils (Dy5) and (Dy3.4) with small areas of (Dr2.23 and Dr2.33), (Gc1.12), (Uc6.13), and (Ug5.2) with various saline (unclassified) in the lower-lying situations; dunes of leached sands (Uc2.2) and (Uc6.13). Area has substrata of both limestone and clay.	0m
A1	Rudosol	Coastal dune formations with small plains: dunes of deep calcareous sands (Uc1.11)drifting and non-drifting phases; smaller areas of shallow red-brown sandy soils (Uc6.13) on dune limestones; small areas of siliceous sands (Uc1.22) and plains of deep calcareous sands (Uc1.11) some of which have peaty surfaces in favoured low-lying situations.	547m
Ya17	Sodosol	Undulating: sandy alkaline yellow mottled soils (Dy5.43) with hard alkaline yellow mottled soils (Dy3.43) and small areas of hard alkaline red soils (Dr2.23 and Dr2.33).	607m

Atlas of Australian Soils Data Source: CSIRO

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Soil Types





Soils

Goolwa Growth Areas DPA, Goolwa, SA 5214

Soil Types

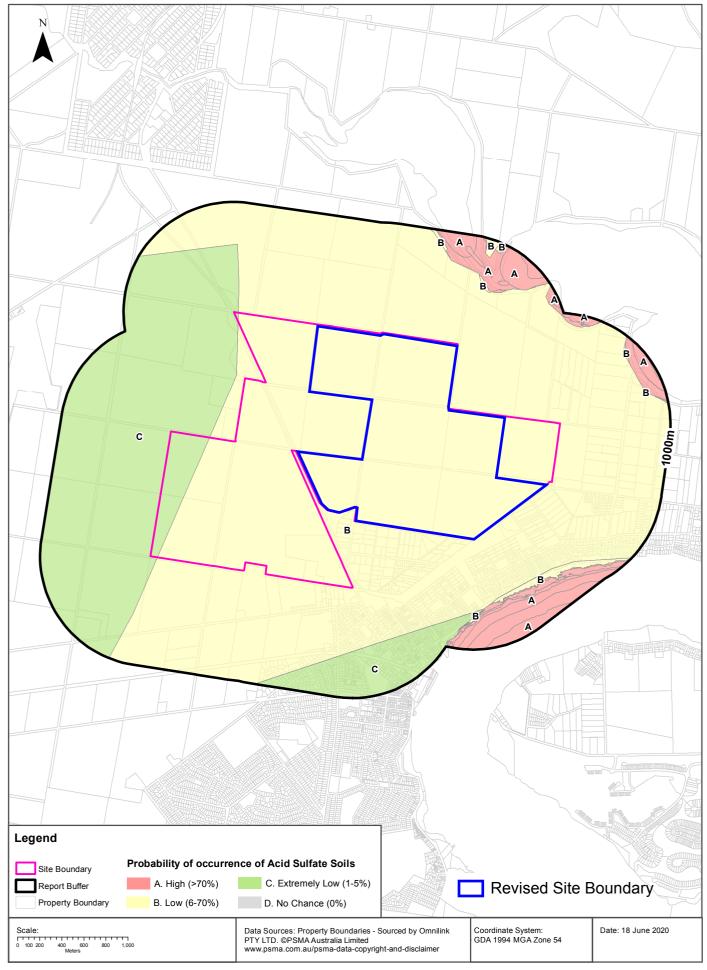
Soil types within the dataset buffer:

Map category code	Soil type description	Distance
E3	Brown or grey cracking clay	0m
A4	Calcareous loam	0m
D3	Loam over poorly structured red clay	0m
N2	Saline soil	0m
G4	Sand over poorly structured clay	0m
B7	Shallow sand over clay on calcrete	0m
XX	Not applicable - No assessment/analysis undertaken	4m
G2	Bleached sand over sandy clay loam	83m
B8	Shallow sand on calcrete	99m
D2	Loam over red clay	466m
WW	Water	576m
H3	Bleached siliceous sand	589m
H2	Siliceous sand	739m
M1	Deep sandy loam	917m
D5	Hard loamy sand over red clay	976m

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

Atlas of Australian Acid Sulfate Soils





Acid Sulfate Soils

Goolwa Growth Areas DPA, Goolwa, SA 5214

Atlas of Australian Acid Sulfate Soils

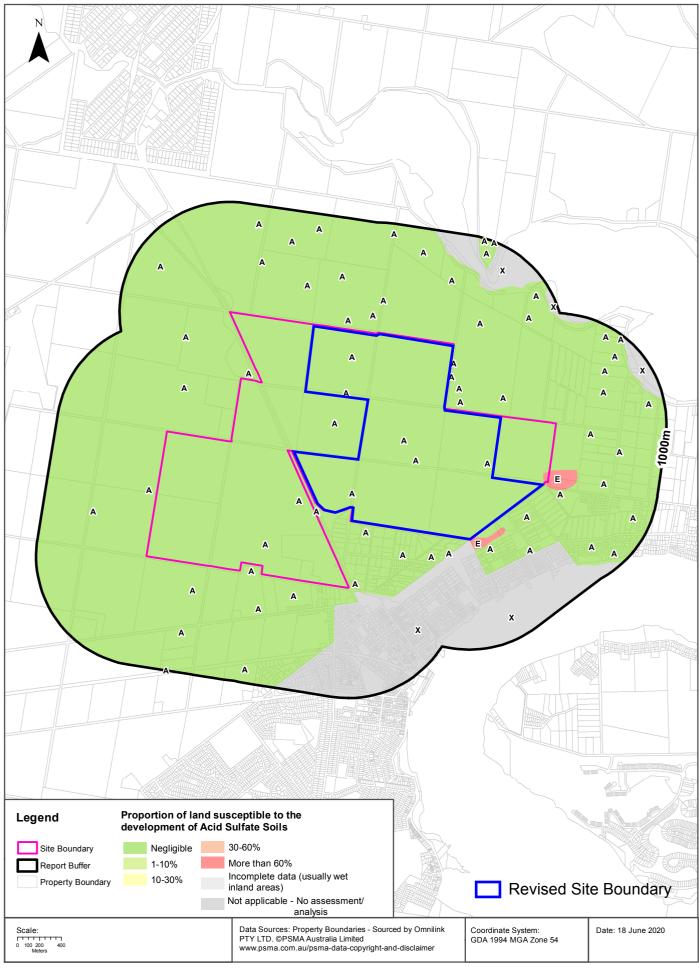
Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

Class	Description	Distance
В	Low Probability of occurrence. 6-70% chance of occurrence.	0m
С	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	0m
Α	High Probability of occurrence. >70% chance of occurrence.	555m

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

Acid Sulfate Soils Potential





Acid Sulfate Soils

Goolwa Growth Areas DPA, Goolwa, SA 5214

Acid Sulfate Soil Potential

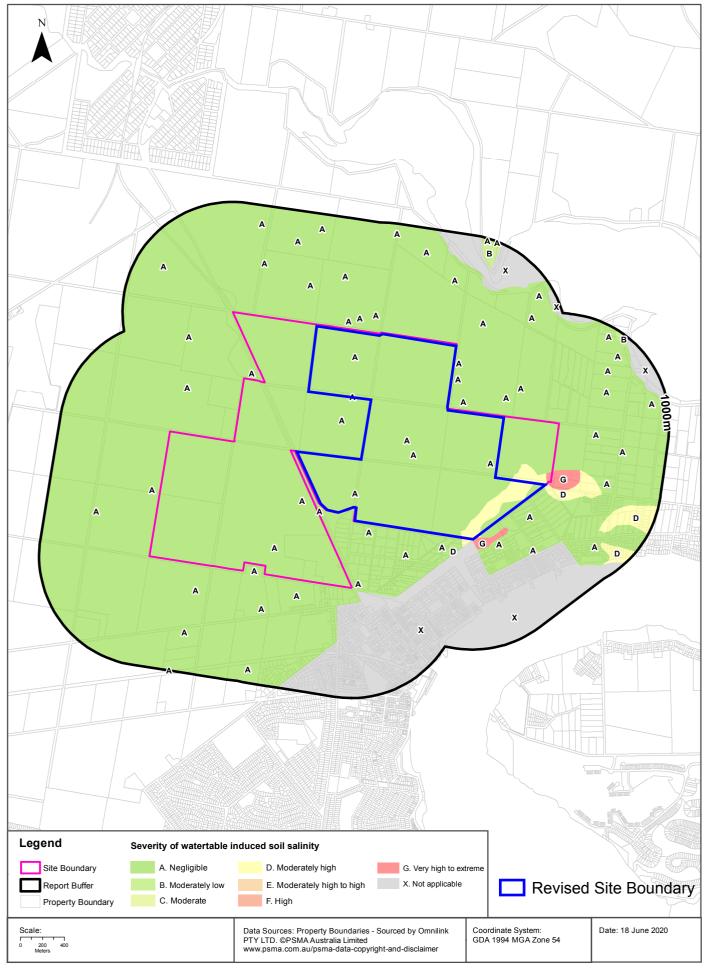
Acid sulfate soil potential within the dataset buffer:

Map category code	Proportion of land susceptible to the development of acid sulfate soils	Distance
Е	More than 60%	0m
Α	Negligible	0m
X	Not applicable - No assessment/analysis undertaken	4m

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

Soil Salinity - Watertable Induced





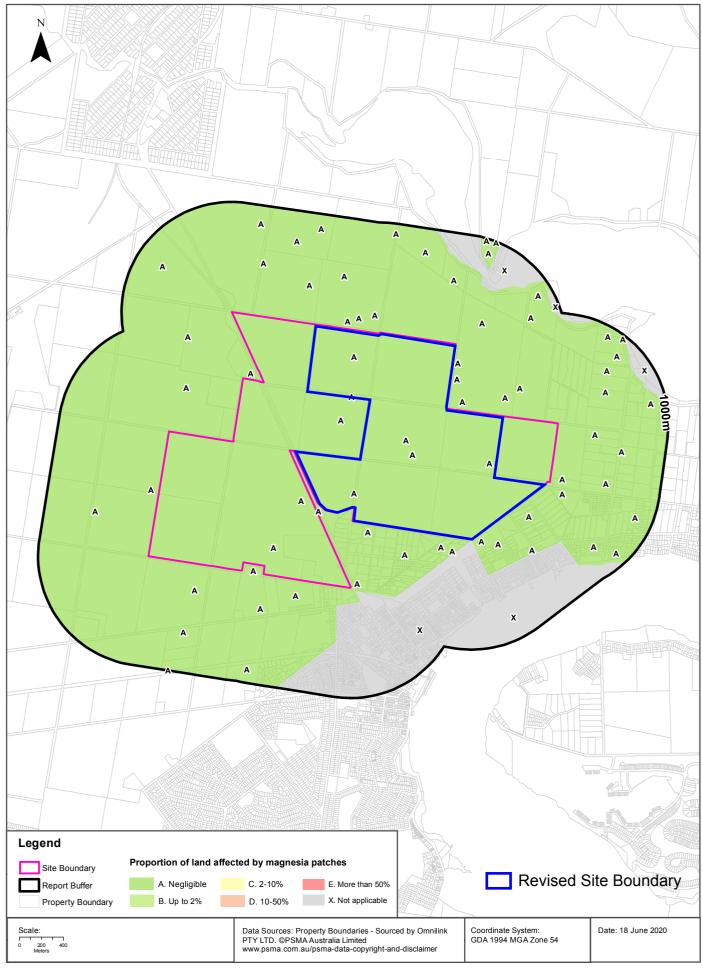
Soil Salinity - Non-watertable Goolwa Growth Areas DPA, Goolwa, SA 5214





Soil Salinity - Non-watertable (Magnesia Patches)





Soil Salinity

Goolwa Growth Areas DPA, Goolwa, SA 5214

Soil Salinity - Watertable Induced

Watertable induced soil salinity within the dataset buffer:

Map category code	Severity description	Distance
D	Moderately high salinity, or 10-30% of land affected by highly saline seepage	0m
Α	Negligible	0m
G	Very high to extreme salinity (mainly primary)	0m
X	Not applicable - No assessment/analysis undertaken	4m
В	Moderately low salinity, or less than 2% of land affected by highly saline seepage	739m

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

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
Α	Low	<2	<4	0m
В	Moderately low	2-4	4-8	0m
С	Moderate	4-8	8-16	0m
X	Not applicable - No assessment/analysis undertaken			4m

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

Soil Salinity - Non-Watertable (Magnesia Patches)

Magnesia patches within the dataset buffer:

Map category code	Proportion of land affected by magnesia patches	Distance
A	Negligible	0m
X	Not applicable - No assessment/analysis undertaken	4m

Salinity Non-Watertable (Magnesia Patches) Data Source: Dept of Environment, Water and Natural Resources - South Australia Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

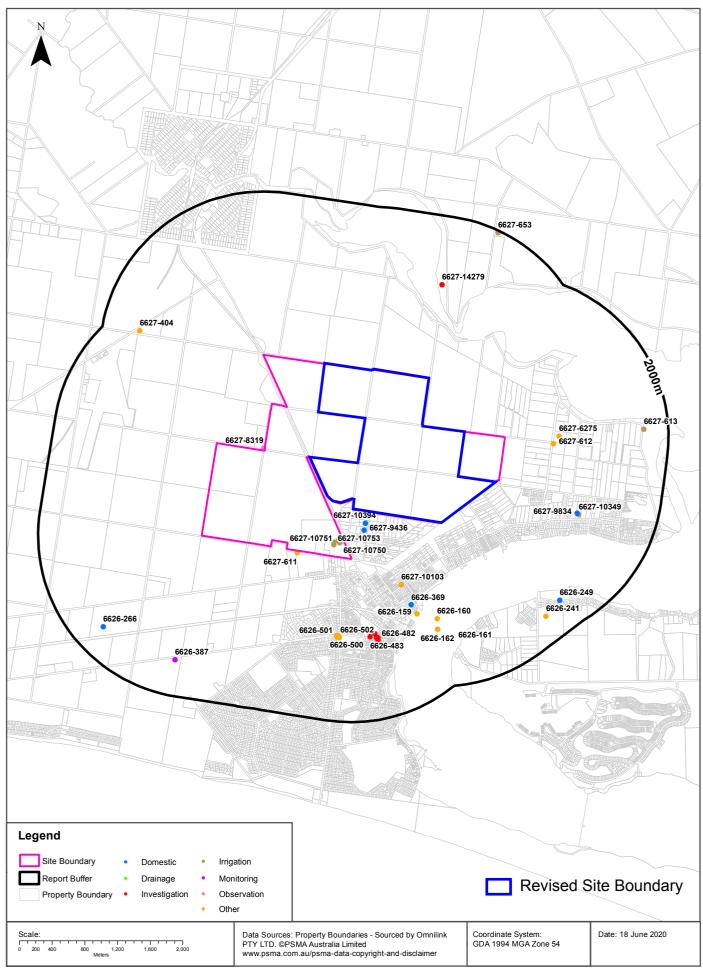


APPENDIX F

DEW WaterConnect Database Information

Drillholes





Groundwater and Drillholes

Goolwa Growth Areas DPA, Goolwa, SA 5214

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	Onsite
100	ocean	314m	West

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

Drillholes

Drillholes within the dataset buffer:

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Groun d Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir'n
6627- 10753	195523	SITE 4	Backfilled	Irrigation		21.00		10.26				0.250 0				0m	Onsit e
6627- 10751	195521	SITE 2	Backfilled	Irrigation		9.00		10.39								0m	Onsit e
6627- 10750	195519	SITE 1	Backfilled	Irrigation		20.00		10.21								0m	Onsit e
6627- 10752	195522	SITE 3	Backfilled	Irrigation		21.00		10.42				0.250 0				0m	Onsit e
6627- 8319	46739		Operational	Observation	1990-12-11	25.50	13.54	13.61	7.50	2680	4800	0.000	11.69	11.76	1.85	16m	West
6627- 611	39031		Operational		1973-06-22	27.43		9.95	7.00	7621	1320 0		7.90	7.90	2.05	29m	South West
6627- 10394	184046			Domestic	2000-12-12	22.00		11.17		1138 3	1929 0	1.500 0	6.00	6.00	5.17	146m	South
6627- 10212	178678			Stock	1999-12-04	20.00		10.57		1047 7	1785 0	1.500 0	9.00	9.00	1.57	193m	South
6627- 9436	162901		Operational	Domestic	1996-12-16	22.00		10.84		1100 4	1871 4	1.500 0	11.00	11.00	-0.16	234m	South
6627- 612	39032					1.83		5.04	6.50	855	1551					597m	East
6627- 6275	44695				1978-03-13	20.00		6.66				1.250 0	3.50	3.50	3.16	662m	East
6627- 10103	38238				1961-01-01	1.52		3.54		4098	7269		1.37	1.37	2.17	688m	South East
6626- 369	174583		Abandoned	Domestic	1999-03-22	6.00		4.83		6717	1170 0					926m	South East
6626- 500	306323			Environment al	2017-10-26	9.00										959m	South
6626- 502	306469			Environment al	2017-10-27	8.50										961m	South
6626- 484	274844	GW 11		Investigation	2013-03-07	2.40							1.40	1.40		961m	South
6626- 499	306322			Environment al	2017-10-26	8.50										970m	South
6626- 501	306324			Environment al	2017-10-27	8.50										970m	South
6626- 483	274843	GW 10		Investigation	2013-03-07	3.40							1.40	1.40		985m	South

Unit No	Drillhole No	Name	Status	Purpose	Drill Date	Max Depth	Ref Elev	Groun d Elev	PH	TDS	EC	Yield	DTW	SWL	RSWL	Dist	Dir'n
6626- 481	274841	GW 8		Investigation	2013-03-07	4.80							2.00	2.00		1014 m	South
6626- 480	274840	GW 7		Investigation	2013-03-06	4.80							2.00	2.00		1021 m	South
6627- 9834	169375			Domestic	1998-06-10	9.00		2.83		6481	1131 0	0.500 0	2.50	2.50	0.33	1034 m	East
6626- 482	274842	GW 9		Investigation	2013-03-06	4.80							2.30	2.30		1045 m	South
6626- 159	38239	GOOLWA W 3	Unknown		1958-02-17	24.08		4.88								1047 m	South East
6627- 10349	182198			Irrigation	1996-12-16	18.00		3.03		2966 3	4600 0	1.500 0	4.00	4.00	-0.97	1063 m	East
6627- 14279	259063	UCC P3		Investigation	2009-05-02	2.38	1.21	0.64					1.10	0.53	0.11	1154 m	North East
6626- 160	38240	GOOLWA W 5	Unknown		1958-02-24	23.93		3.50								1172 m	South East
6626- 162	38242	GOOLWA E 5	Unknown		1958-03-05	19.05		3.81								1302 m	South East
6626- 161	38241	GOOLWA E 1	Unknown		1958-02-28	25.60		3.63								1407 m	South East
6627- 404	38824		Unknown	Stock		34.14		30.72		4731	8357		27.43	27.43	3.29	1539 m	North West
6626- 387	189241			Monitoring	2001-11-15	12.50		6.38		921	1670		4.35	4.35	2.03	1562 m	South West
6626- 249	38329		Operational	Domestic; Stock	1985-04-03	17.00		3.58	7.30	3758	6678	0.750 0	14.40	14.40	-10.82	1629 m	South East
6626- 266	38346		Operational	Domestic; Stock	1988-09-22	55.00		5.21		2471	4430	6.250 0	9.00	9.00	-3.79	1646 m	South West
6626- 241	38321				1984-12-12	6.00		8.38	7.30	5039	8880	0.200	2.50	2.50	5.88	1686 m	South East
6627- 613	39033		Operational	Irrigation		60.96		4.18		1571	2834					1701 m	East
6627- 653	39073		Operational	Irrigation		42.67		9.94		3927	6975					1974 m	North East

Drillholes 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/



APPENDIX G

Site Photographs





Narrows shearing shed.



Narrows shearing shed.



3. Narrows shearing shed.





4. Narrows shearing shed.



5. Looking northwest across Narrows land showing minor depression.

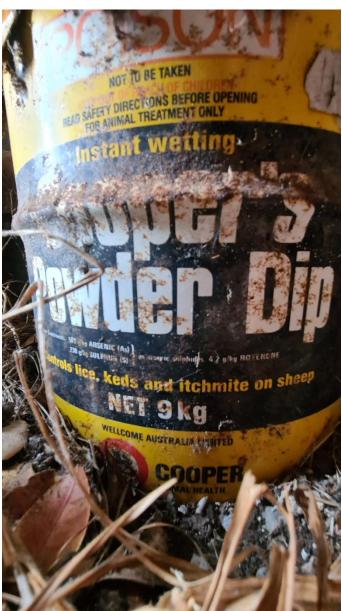


6. Narrows sheep dip pump shed.





7. Narrows sheep dip pump shed.



8. Narrows sheep dip chemical container (contains arsenic)





9. Narrows sheep dip yard area and sump.



10. Narrows sheep dip sump.



11. Narrows spray sheep dip.





12. Narrows former shed, hay area and soil stockpile in background.





14. Narrows machinery shed.





15. Narrows machinery shed.



16. Narrows machinery shed.



17. Narrows chemical store shed.





18. Narrows chemical store shed.



19. Narrows cattle loading area.



20. Narrows cattle yards.





21. Narrows chemical containers in storage shed.



22. Narrows chemical container.



23. Narrows chemical container.



24. Narrows storage shed.

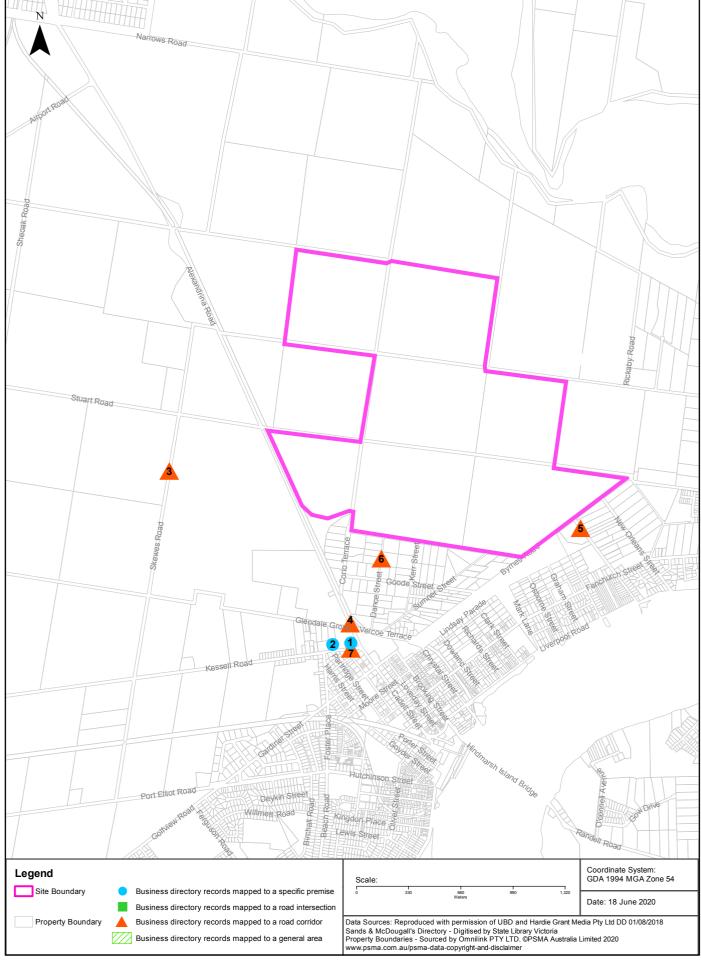


APPENDIX H

Historical Business Directories Information

Historical Business Directories





Historical Business Directories

Goolwa Growth Areas DPA, Goolwa, SA 5214

Business Directory Records 1910-1991 Premise or Road Intersection Matches

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

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	FERTILIZER MFRS. &/OR SUPPLIERS,	Ibis Siding, Lot 2, Kessell Rd Goolwa	4531	1991	Premise Match	84m	South
	SOAPS-RETAIL,	Ibis Siding, Lot 2. Kassell Rd Goolwa	4695	1991	Premise Match	84m	South
	SOUVENIR SHOPS.	Ibis Siding, Lot 2. Kessall Rd Goolwa	4697	1991	Premise Match	84m	South
	GIFT WRAPPINGS & ACCESSORIES.	Ibis Siding, Lot 2. Kessell Rd Goolwa	4546	1991	Premise Match	84m	South
	APIARISTS.	Ibis Siding, Lot 2. Kessell Rd Goolwa	4422	1991	Premise Match	84m	South
	GARDEN SUPPLIES- RETAIL	Ibis Siding, Lot 2. Kessell Rd Goolwa	4543	1991	Premise Match	84m	South
	GIFT SHOPS.	Ibis Siding, Lot 2. Kessell Rd Goolwa	4545	1991	Premise Match	84m	South
	HONEY MERCHANTS	Ibis Siding, Lot 2. Kessell Rd Goolwa	4570	1991	Premise Match	84m	South
	NURSERYMEN,	Ibis Siding, Lot 2. Kessell Rd Goolwa	4658	1991	Premise Match	84m	South
	GARDEN SUPPLIES- RETAIL	lbis Siding, Lot 2. Kessell Road Goolwa Goolwa	4542	1991	Premise Match	84m	South
2	TRUCK &/OR BUS REPAIRS.	Supreme FX Pty. Ltd., (Trading as Joe's Garage), 14 Kessell Rd., Goolwa	4721	1991	Premise Match	109m	South
	MOTOR STEAM CLEANERS.	Supreme FX Pty. Ltd., (Trading as Joe's Garage), 14 Kessell Rd., Goolwa	4643	1991	Premise Match	109m	South
	AIR CONDITIONING- AUTOMOTIVE.	Supreme FX Pty. Ltd., (Trading as Joe's Garage), 14 Kessell Rd Goolwa	4416	1991	Premise Match	109m	South
	MOTOR EXHAUST SYSTEMS &/OR MUFFLERS MFRS. &/OR DISTS. &/OR FITTERS.	Supreme FX Pty. Ltd., (Trading as Joe's Garage), 14 Kessell Rd Goolwa	4616	1991	Premise Match	109m	South
	MOTOR OIL &/OR SPIRIT MERCHANTS.	Supreme FX Pty. Ltd., (Trading as Joe's Garage), 14 Kessell Rd Goolwa	4635	1991	Premise Match	109m	South
	MOTOR WHEEL ALIGNING & BALANCING SERVICES.	Supreme FX Pty. Ltd., (Trading as Joe's Garage), 14 Kessell Rd Goolwa	4654	1991	Premise Match	109m	South
	MOTOR CLUTCH SPECIALISTS.	Supreme FX Pty. Ltd., (Trading as Joe's Garage), 14 Kessell Rd Goolwa	4603	1991	Premise Match	109m	South
	MOTOR FOUR WHEEL DRIVE SPECIALISTS.	Supreme FX Pty. Ltd., (Trading as Joe's Garage), 14 Kessell Rd Goolwa	4618	1991	Premise Match	109m	South
	MOTOR TUNING SPECIALISTS.	Supreme FX Pty. Ltd., (Trading as Joe's Garage),14 Kassall Rd Goolwa	4652	1991	Premise Match	109m	South
	MOTOR RADIATOR SPECIALISTS &/OR REPAIRERS.	Supreme FX Pty. Ltd., (Trading as Joe's Garage),14 Kessell Rd Goolwa	4637	1991	Premise Match	109m	South
	MOTOR TRANSMISSION SPECIALISTS,	Supreme FX Pty. Ltd., (Trading as Joe's Garage),14 Kessell Rd Goolwa	4650	1991	Premise Match	109m	South
	MOTOR CYCLE DEALERS &/OR REPAIRERS.	Supreme FX Pty. Ltd., (Trading as Joe's Garage). 14 Kessell Rd Goolwa	4605	1991	Premise Match	109m	South
	MOTOR IGNITION SPECIALISTS,	Supreme FX Pty. Ltd., (Treding as Joe's Garage),14 Kessell Rd Goolwa	4631	1991	Premise Match	109m	South

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
2	MOTOR BRAKE LINING MFRS. &/OR DISTS.	Supreme FX Pty. Ltd (Trading as Joe's Garage), 14 Kassell Rd Goolwa	4596	1991	Premise Match	109m	South
	MOTOR TOWING SERVICES.	Supreme FX Pty. Ltd (Trading as Joe's Garage), 14 Kessell Rd., Goolwa	4648	1991	Premise Match	109m	South
	MOTOR GARAGES & SERVICE STATIONS.	Supreme FX Pty. Ltd (Trading as Joe's Garage), 14 Kessell Rd., Goolwa	4625	1991	Premise Match	109m	South
	MOTOR OIL, SPIRIT & GREASE MFRS. &/OR IMPS. &/OR DISTS.	Supreme FX Pty. Ltd (Trading as Joe's Garage), 14 Kessell Rd., Goolwa	4633	1991	Premise Match	109m	South
	MOTOR SHOCK ABSORBER SPECIALISTS.	Supreme FX Pty. Ltd (Trading as Joe's Garage), 14 Kessell Rd., Goolwa	4639	1991	Premise Match	109m	South
	MOTOR CARBURETTOR SPECIALISTS	Supreme FX Pty. Ltd (Trading as Joe's Garage), 14 Kessell Rd Goolwa	4601	1991	Premise Match	109m	South
	MOTOR ENGINEERS.	Supreme FX Pty. Ltd (Trading as Joe's Garage), 14 Kessell Road Goolwa Goolwa	4609	1991	Premise Match	109m	South
	MOTOR BRAKE SPECIALISTS	Supreme FX Pty. Ltd (Trading as Joe's Garage),14 Kassall Rd Goolwa	4598	1991	Premise Match	109m	South
	BATTERY SALES &/OR SERVICE.	Supreme FX Pty. Ltd (Trading as Joe's Garage),14 Kessell Rd., Goolwa	4441	1991	Premise Match	109m	South
	MOTOR ENGINE RECONDITIONERS	Supreme FX Pty. Ltd (Trading as Joe's Garage),14 Kessell Rd., Goolwa	4608	1991	Premise Match	109m	South
	MOTOR ENGINEERS.	Supreme FX Pty. Ltd (Trading as Joe's Garage),14 Kessell Rd Goolwa	4614	1991	Premise Match	109m	South
	MOTOR GAS (L.P.G.) CONVERSIONS,	Supreme FX Pty. Ltd (Trading as Joe's Garage),14 Kessell Rd Goolwa	4629	1991	Premise Match	109m	South
	MOTOR STEERING SPECIALISTS.	Supreme FX Pty. Ltd (Trading as Joe's Garage),14 Kessell Rd Goolwa	4645	1991	Premise Match	109m	South
	MOTOR FRONT END SPECIALISTS.	Supreme FX Pty. Ltd (Trading as Joe's Garage),14 Kessell Rd Goolwa	4620	1991	Premise Match	109m	South
	MOTOR SPARK PLUGS,	Supreme FX Pty. Ltd (Trading as Joe's Garage),14 Kessell Rd Goolwa	4641	1991	Premise Match	109m	South

Business Directory Content Derived from Sands & McDougall's Directory of South Australia

Business Directory Records 1910-1991 Road or Area Matches

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

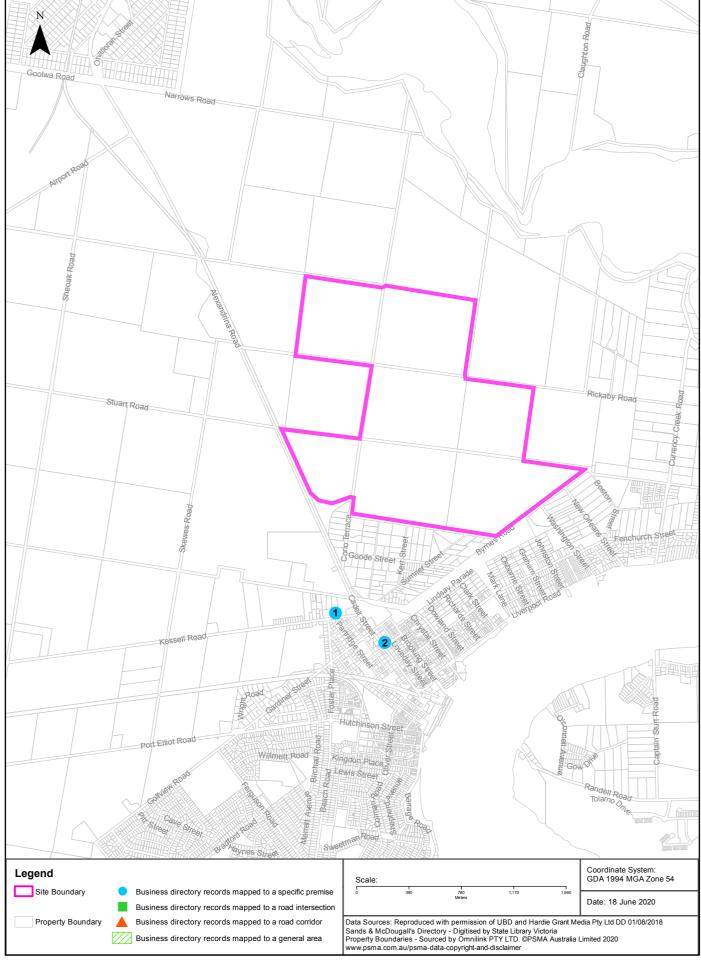
Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Approx. Dist. to Road Corridor or Area
3	CAFES, TEA ROOMS &/OR COFFEE LOUNGES.	Malleebaa Woolshed, Skewes Rd. Goolwa	4487	1991	Road Match	0m
	TOURIST ATTRACTIONS.	Malleebaa Woolshed, Skewes Rd., Goolwa	4714	1991	Road Match	0m
4	LOCAL BODIES	District Council of Port Elliot & Goolwa, Cadell St Goolwa	4586	1991	Road Match	8m
	HEALTH CENTRES &/OR CLINICS,	Heritage Club, The. Cadell St Goolwa	4564	1991	Road Match	8m
	DENTISTS.	Higgins. R W & Associates, Cadell St Goolwa	4518	1991	Road Match	8m
	BOOKSELLERS-RETAIL.	Interchurch Book-Shop, Cadell St Goolwa	4473	1991	Road Match	8m
	POST OFFICES	Post Office, Cadell St Goolwa	4666	1991	Road Match	8m
	TOURIST INFORMATION CENTRE.	Tourist Information Centre, Cadell St Goolwa	4718	1991	Road Match	8m
	LAND AGENTS	Haren W E Cadell st Goolwa	36796	1973	Road Match	8m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Approx. Dist. to Road Corridor or Area
4	CAR, TRUCK, TRACTOR REPAIRS ETC.	J.D. Neaylon., Cadell Street, Goolwa Goolwa	23193	1950	Road Match	8m
	Storekeepers (General)	Goode, Thos, Cadell st, Goolwa	15954	1920	Road Match	8m
	Grocers and Provision Dealers	Goode, T, Cadell st, Goolwa	8145	1910	Road Match	8m
5	PAINTERS & DECORATORS	Chilton P A Washington st Goolwa	21917	1973	Road Match	9m
6	REFRIGERATOR DEALERS &/OR SERVICEMEN.	Goolwa Refrigeration Sales & Service, 20 Dance St. Goolwa	4678	1991	Road Match	10m
	AIR CONDITIONING SALES &/OR SERVICE.	Goolwa Refrigeration Sales & Service, 20 Dance St Goolwa	4417	1991	Road Match	10m
7	MOTOR CLUTCH SPECIALISTS.	Fleurieu Auto Gas Conversions, Kassall Rd., Goolwa	4602	1991	Road Match	144m
	MOTOR STEAM CLEANERS.	Fleurieu Auto Gas Conversions, Kassall Rd Goolwa	4642	1991	Road Match	144m

Business Directory Content Derived from Sands & McDougall's Directory of South Australia

Dry Cleaners, Motor Garages & Service Stations





Historical Business Directories

Goolwa Growth Areas DPA, Goolwa, SA 5214

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

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

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
1	MOTOR GARAGES & SERVICE STATIONS.	Supreme FX Pty. Ltd (Trading as Joe's Garage), 14 Kessell Rd., Goolwa	4625	1991	Premise Match	109m	South
2	MOTOR GARAGES & SERVICE STATIONS.	Ampol Goolwa, 36 Cadell St. Goolwa	4621	1991	Premise Match	421m	South

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

Historical Business Directories

Goolwa Growth Areas DPA, Goolwa, SA 5214

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

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

Map Id	Business Activity	Premise	Ref No.	Confidence	Approx. Dist. to Road Corridor or Area
	No records in buffer				

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

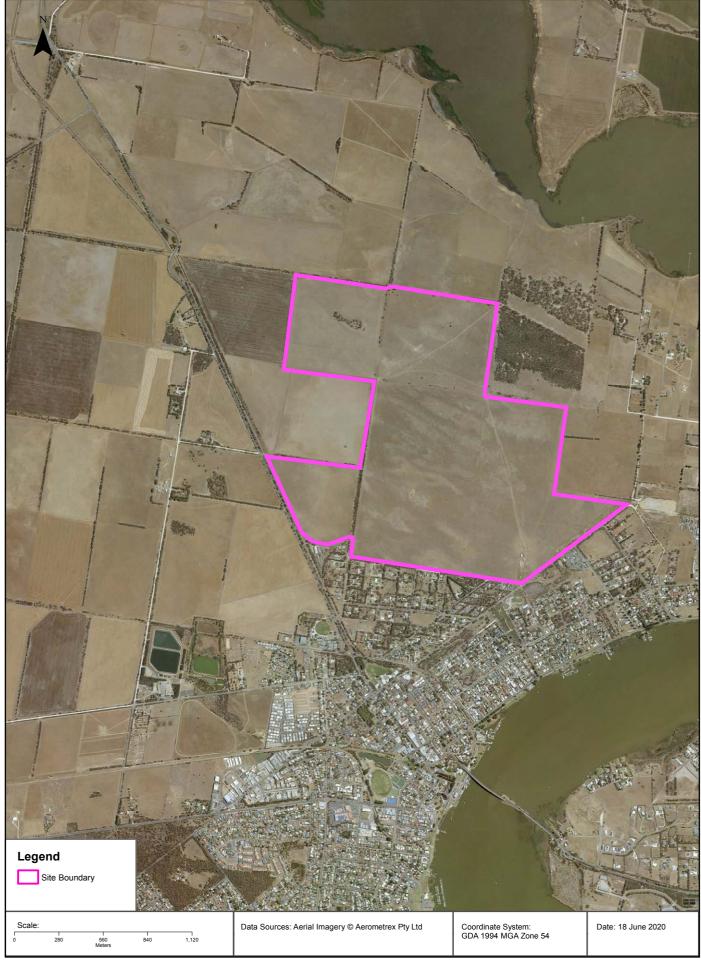


APPENDIX I

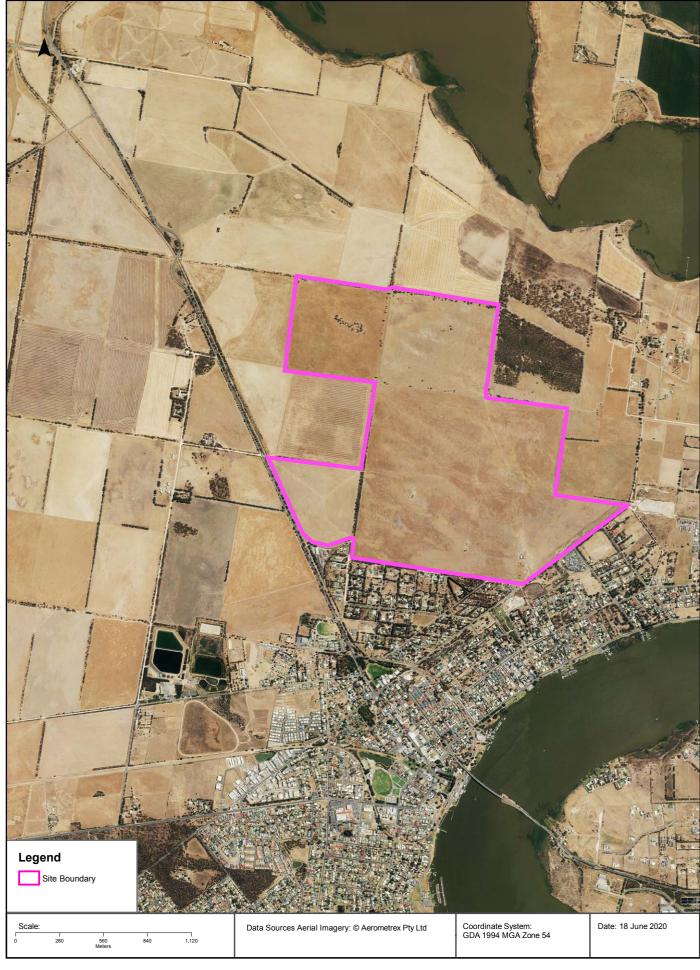
Aerial Photographs

Aerial Imagery 2018 Goolwa Growth Areas DPA, Goolwa, SA 5214

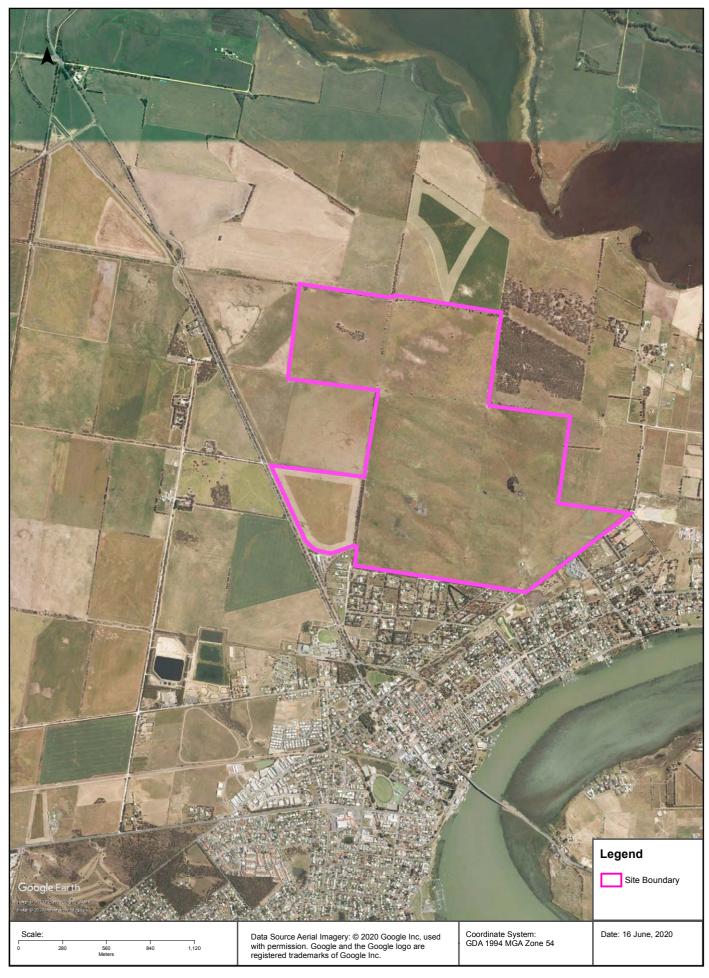
















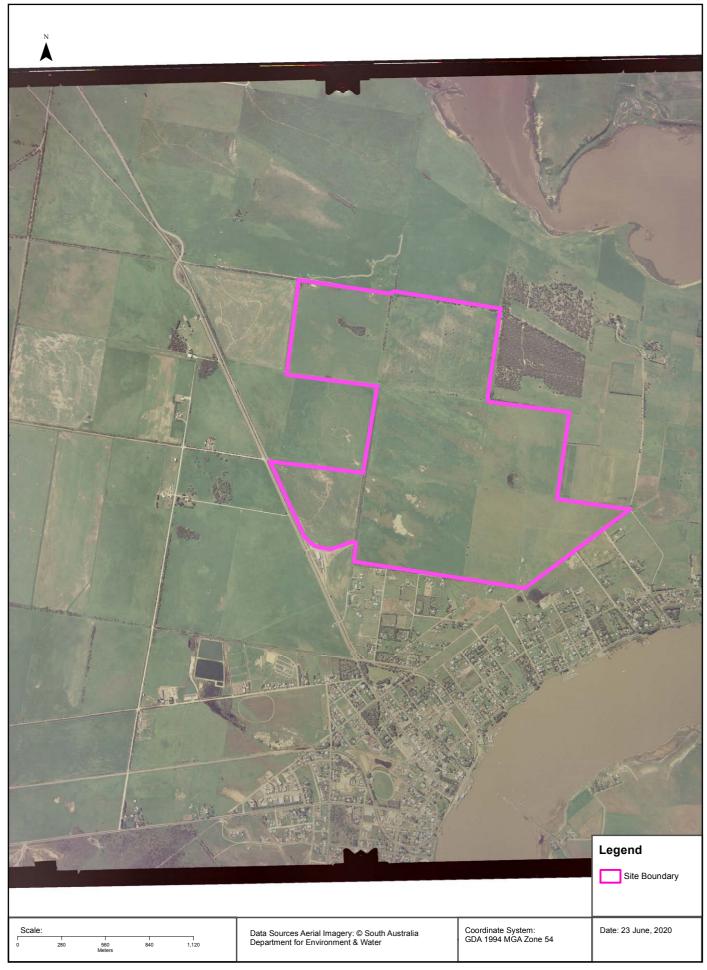




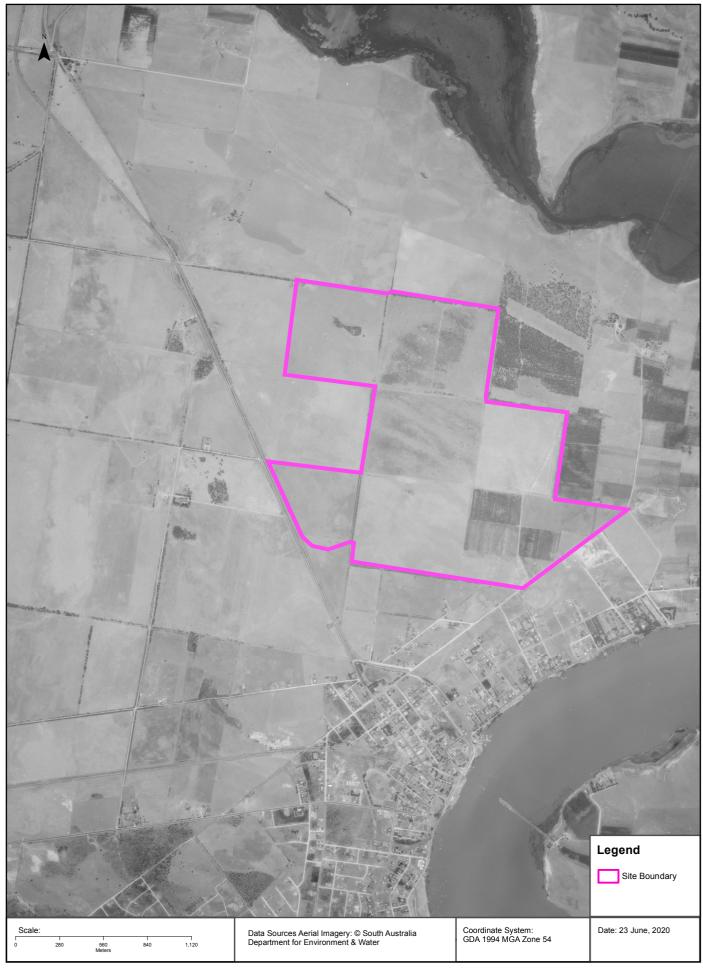




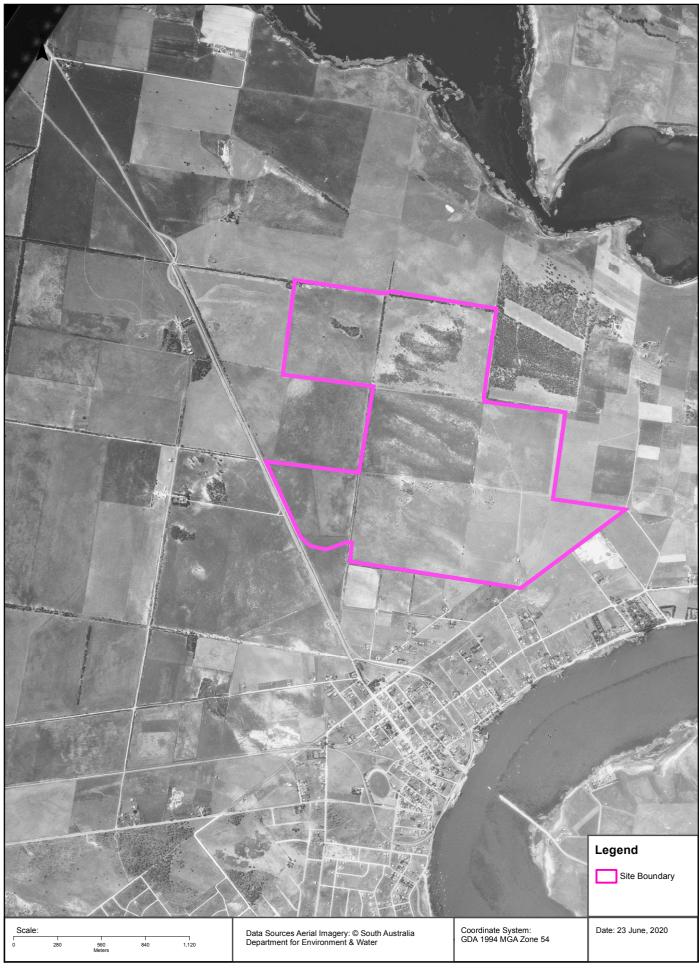




























Data Sources Aerial Imagery: © South Australia Department for Environment & Water

Coordinate System: GDA 1994 MGA Zone 54 Site Boundary



APPENDIX J

Historical Maps

EPA Contaminated Land

Goolwa Growth Areas DPA, Goolwa, SA 5214

EPA Site Contamination Index

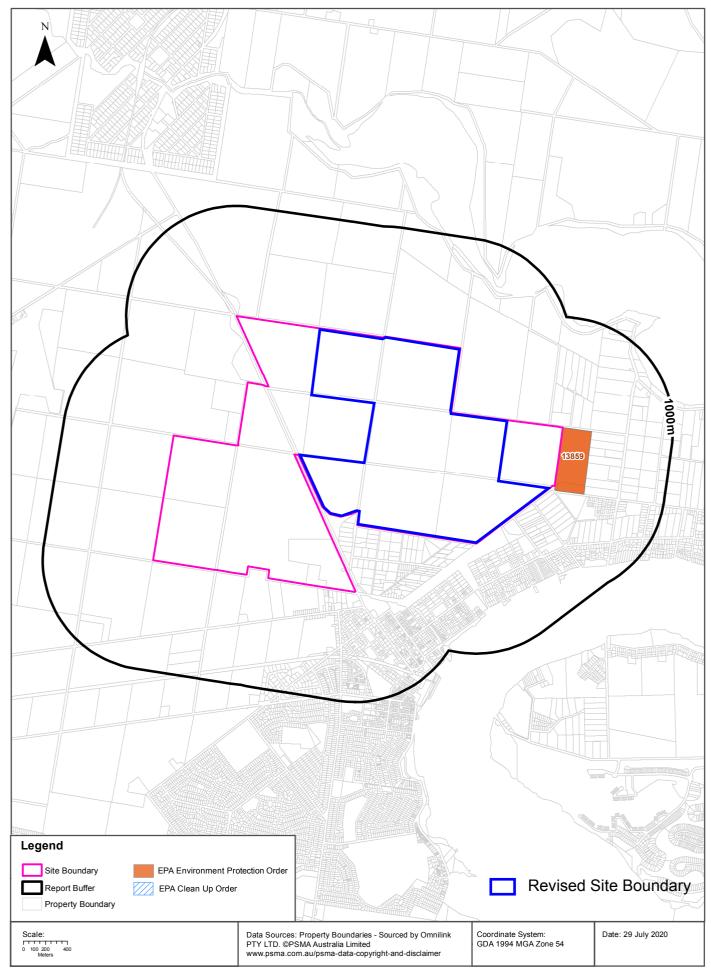
Sites on the EPA Contamination Index within the dataset buffer:

Notification No	Туре	Address	Activity	Status	LocConf	Dist	Dir
N/A	No records in buffer						

Site Contamination Index Data Source: EPA South Australia

EPA Environment Protection and Clean Up Orders





EPA Public Register

Goolwa Growth Areas DPA, Goolwa, SA 5214

EPA Environment Protection and Clean Up Orders

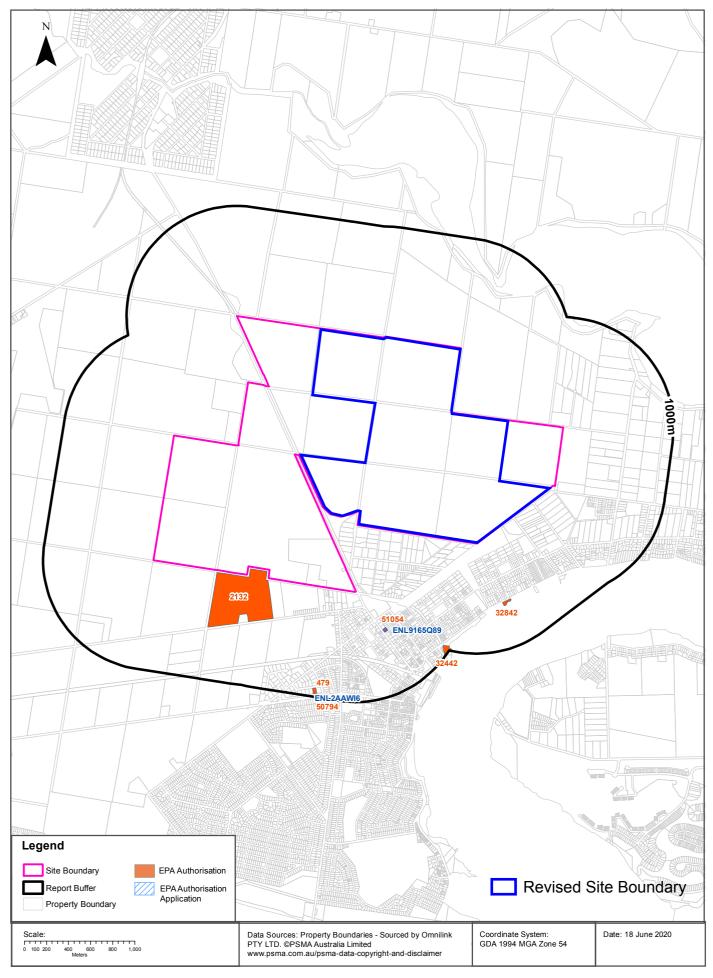
EPA Environment Protection and Clean Up Orders, within the dataset buffer:

Record No.	Record Type	Record Status	Entity	Site Address	Activity	EPA Register Status	LocConf	Dist	Dir
13859	ENVIRON MENT PROTECTI ON ORDER	ISSUED		Hundred Of Goolwa	Conducted a depot for the reception, storage, treatment or disposal of waste including concrete, green waste, timber, plastic, furniture, metal wastes, general hard waste and other waste, without an environmental authorisation (licence).		Premise Match	0m	East

Authorisations Data Source: EPA South Australia

EPA Authorisations and ApplicationsGoolwa Growth Areas DPA, Goolwa, SA 5214





EPA Public Register

Goolwa Growth Areas DPA, Goolwa, SA 5214

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
2132	LICENCE	Issued	ALEXANDRINA COUNCIL	Kessell Road, GOOLWA SA 5214	Sewage treatment works or septic tank effluent disposal schemes (discharge other than to marine waters or a Water Protection Area)	Current EPA Register	Premise Match	20m	South West
ENL91 65Q89	LICENCE APPLICATI ON	Authorisatio n Updated	SHIRDI SAI RAM PTY LTD	36 CADELL Street, GOOLWA SA 5214	Petrol stations	Current EPA Register	Premise Match	421m	South
51054	LICENCE	Issued	SHIRDI SAI RAM PTY LTD	36 CADELL Street, GOOLWA SA 5214	Petrol stations	Current EPA Register	Premise Match	421m	South
32842	LICENCE	Issued	Alan Brian Alan Brian Edwards, Elizabeth Alison Livingston	Section 2458, Liverpool Road Hundred of Goolwa, SA	Marinas and boating facilities	Current EPA Register	Premise Match	584m	South East
479	LICENCE	Issued	ROBYN LENNOX ROBYN LENNOX MAUL, TAMMY MICHELLE MAUL- DUNN	Allotment 452, Dowdodd Crescent, GOOLWA SA 5214	Waste or recycling depots (for disposal of liquid waste) (other than winery wastewater treatment works)	Current EPA Register	Premise Match	916m	South
32442	LICENCE	Issued	MICHAEL MICHAEL VEENSTRA, BIANCA VEENSTRA	The Captain Sturt Marina, Liverpool Road, GOOLWA SA	Marinas and boating facilities	Current EPA Register	Premise Match	932m	South East
ENL2A AWI6	LICENCE APPLICATI ON	Authorisatio n Updated	EG FUELCO (AUSTRALIA) LIMITED	137 Beach Road, GOOLWA BEACH SA 5214	Petrol stations	Current EPA Register	Premise Match	945m	South
50794	LICENCE	Issued	EG FUELCO (AUSTRALIA) LIMITED	137 Beach Road, GOOLWA BEACH SA 5214	Petrol stations	Current EPA Register	Premise Match	945m	South

Authorisations Data Source: EPA South Australia

EPA Assessment Areas

Goolwa Growth Areas DPA, Goolwa, SA 5214

EPA Assessment Areas

EPA Assessment Areas within the dataset buffer:

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

Assessment Areas Data Source: EPA South Australia

PFAS Investigation and Management Programs

Goolwa Growth Areas DPA, Goolwa, SA 5214

Defence PFAS Investigation and 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 and Management Program Data Source: Department of Defence, Australian Government

Defence PFAS Investigation and 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 and Management Program Data Source: 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

Goolwa Growth Areas DPA, Goolwa, SA 5214

Defence 3 Year Regional Contamination Investigation Program

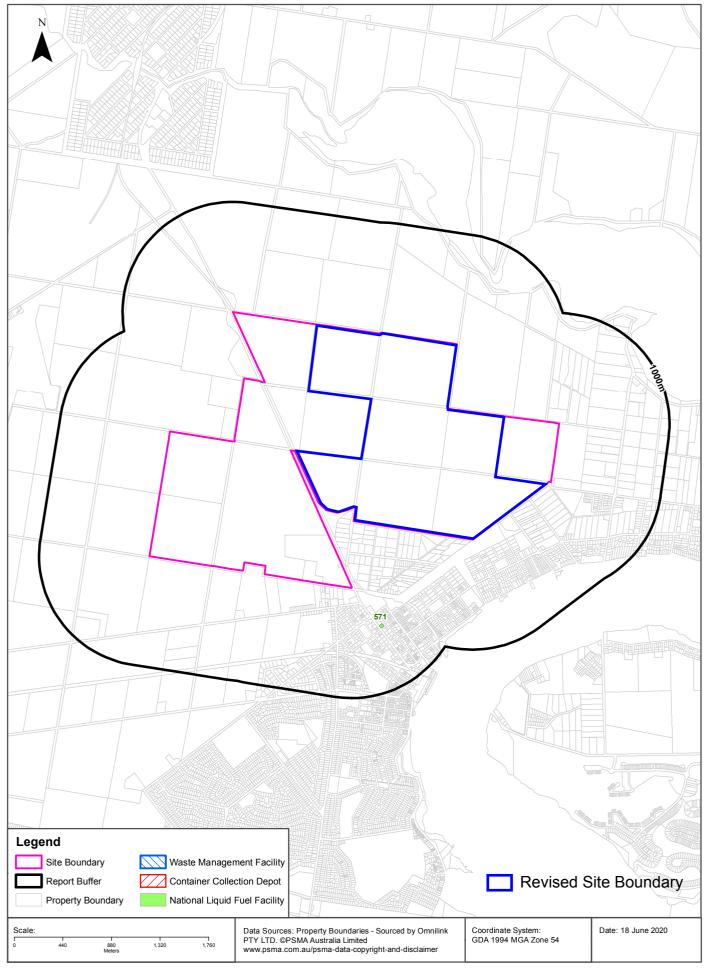
Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property I	D 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





Waste Management and Liquid Fuel Facilities

Goolwa Growth Areas DPA, Goolwa, SA 5214

National Waste Management Site Database

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

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

Waste Management Facilities Data Source: Australian Government Geoscience Australia Creative Commons 3.0 © Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en

EPA Approved Container Collection Depots

EPA approved container collection depots within the dataset buffer:

MapId	Name	Address	Suburb	Loc Conf	Distance	Direction
N/A	No records in buffer					

Collection Depot Data Source: EPA South Australia

National Liquid Fuel Facilities

National Liquid Fuel Facilties within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist (m)	Dir
571	Caltex	Caltex Goolwa	6 Moore Street	Goolwa	Petrol Station	Operational		25/07/2011	Premise Match	421m	South

National Liquid Fuel Facilities Data Source: Geoscience Australia

 $\label{lem:commons} \textbf{Creative Commons 3.0 @ Commonwealth of Australia http://creativecommons.org/licenses/by/3.0/au/deed.en} \\$

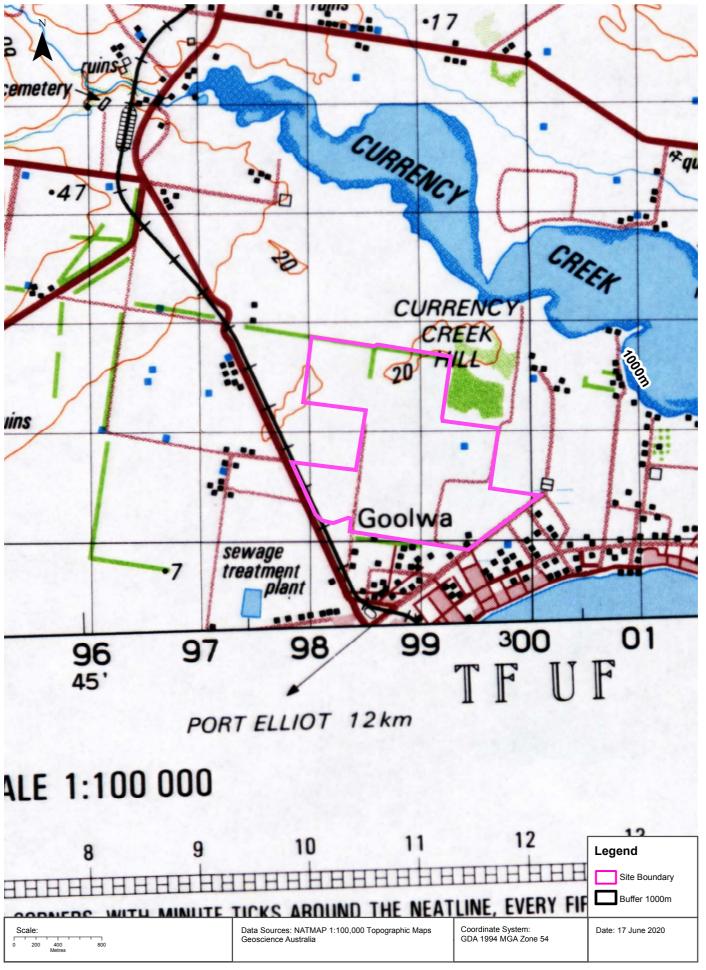


APPENDIX K

EPA Information

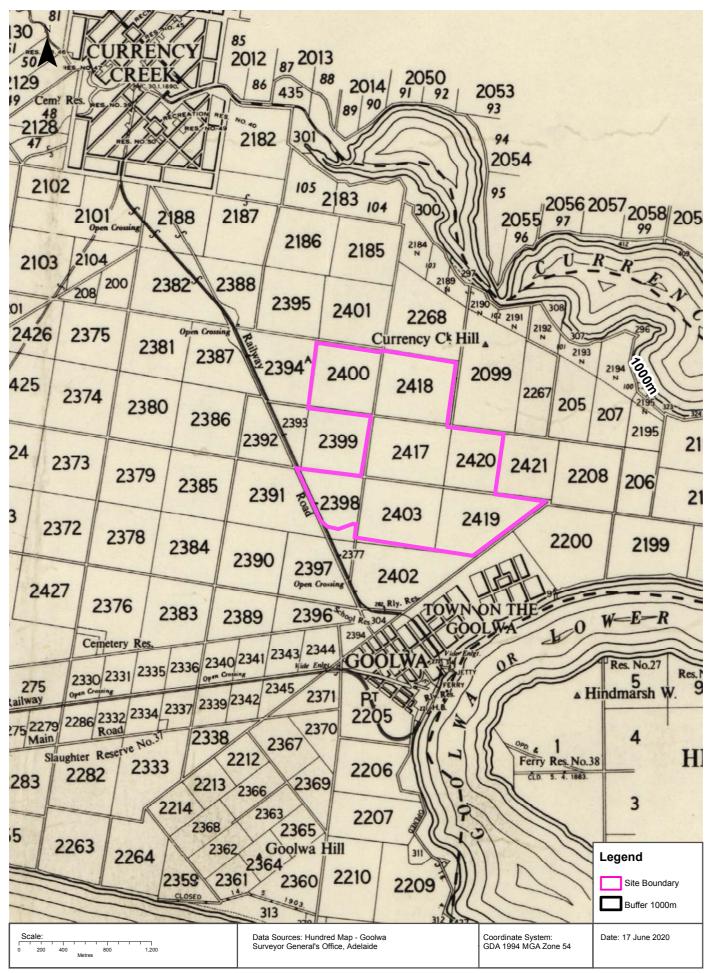
Historical Map 1982





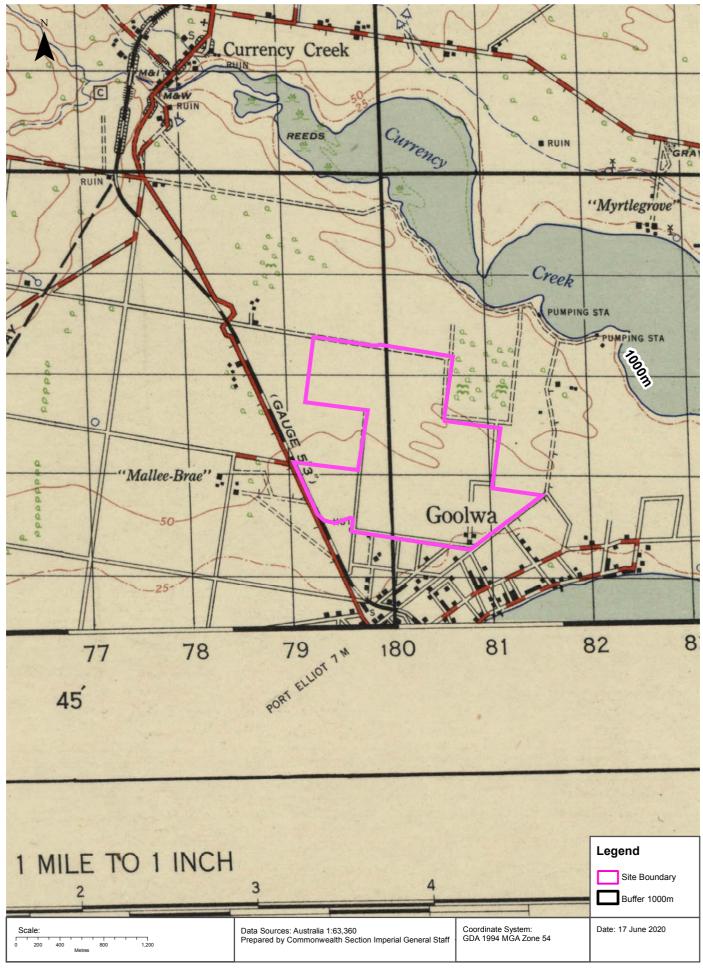
Historical Map 1961





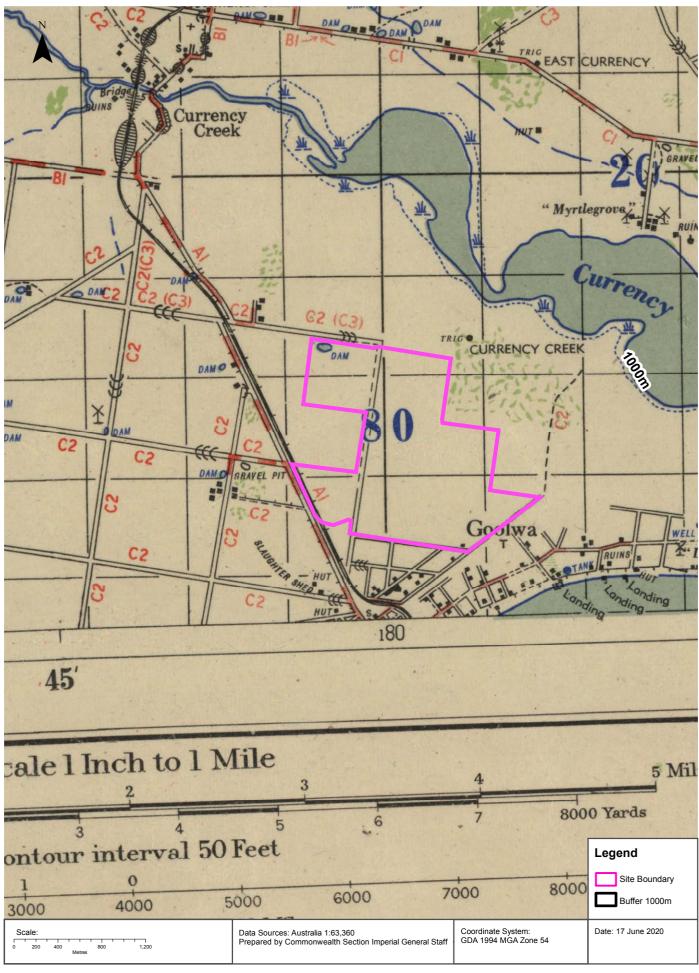
Historical Map c.1957





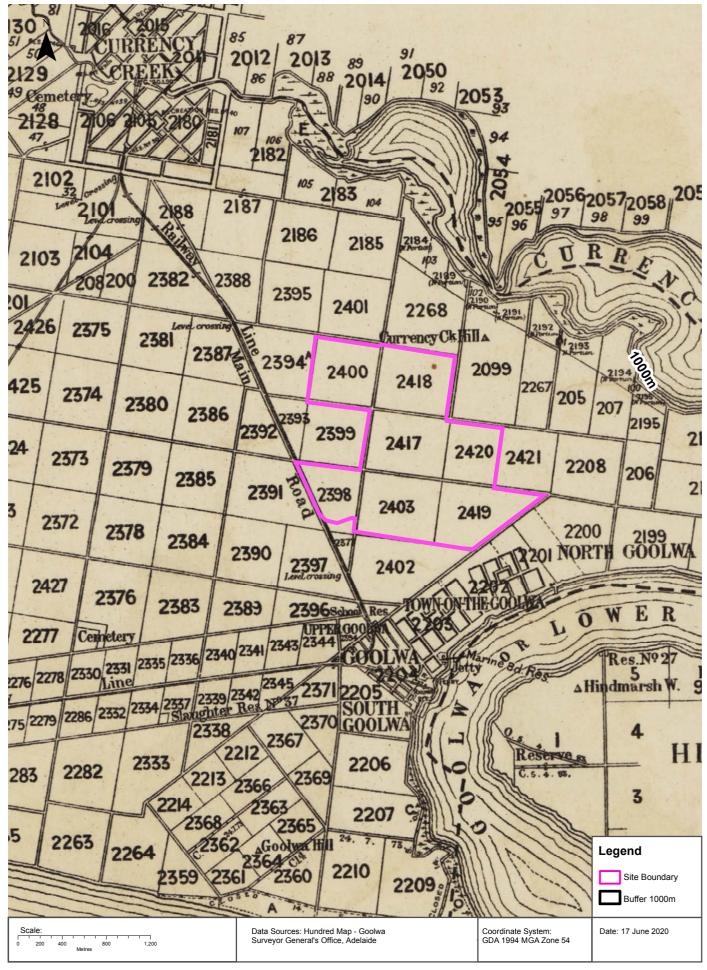
Historical Map c.1942





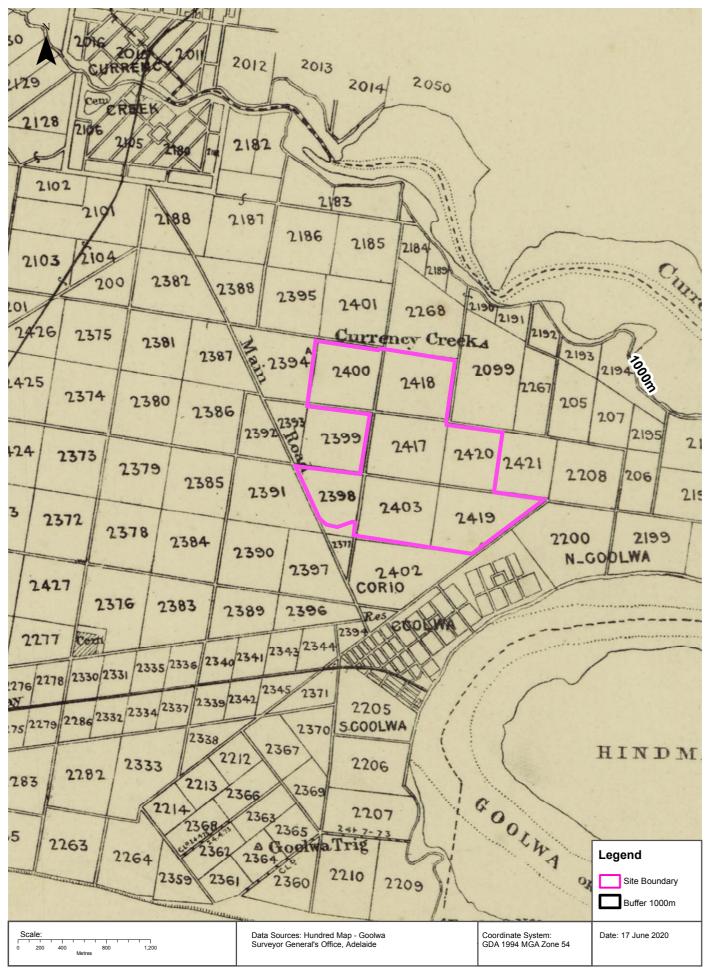
Historical Map 1914





Historical Map 1876







APPENDIX L

Narrows report

SITE & ENVIRONMENTAL HISTORY (MARCH 2020)

AMBO PTY LTD LAND - "NARROWS"

Byrnes Road, Goolwa

Prepared by proprietor A

AMBO Pty Ltd

Introduction

The Alexandrina Council have commenced a Development Plan Amendment for the Goolwa North Growth Area proposed on part of farmland owned by AMBO Ptd Ltd representing the Lloyds.

The Lloyd family have been requested to provide a site and environmental history on the potential contamination issues associated with past and present land use in terms of possible future redevelopment. The area to be addressed is shown on the areas affected map below.

History

AMBO Pty Ltds are long term landholders to the north-east of the existing Goolwa township.

The Lloyds have farmed the land "Narrows" since 1997.

Bordering the recently developed rural living sector of goolwa this site enjoys a pleasant outlook over the township. Only a short distance from Currency Creek it is ideally positioned to provide easy access to both public and private schools in Goolwa along with tourist attractions, cafes, beaches and popular Hindmarsh Island.

Approximately 66 hectares of this land is nominated in the Planning Strategy for future township Growth.

Site Details

1. Identification

"The Narrows" consists of section 2099,2400,2403,2417-2420 and Lot 3 pieces 1 and 2 of F.P 4029 in the hundred of Goolwa in Alexandrina Council. The total land area is 287 hectares on 7 freehold titles, volume 5463 folio's 529-535.

The nominated site includes 66 hectares bounded by North & Byrnes roads, lots 2419 & Lot 2420 and the existing township.

1



2. Physical Setting

The site is located on Byrnes Road adjacent to the township of Goolwa. The location is unique with Currency Creek frontage on the northern side and the town of Goolwa on the southern side with access via a bitumen road. The property's northern boundary has over 800m frontage to Currency Creek, providing glorious views and an opportunity to expand the land that can be irrigated by drawing water from Currency Creek. Power is available at either end of the property.

3. Site Description and Current Land Use

The subject land has a total area of 287 hectares. The land is currently zoned "General Farming" with rainfall approx. 450 mm per year. There is an area of approx. 90 acres of natural scrub. There is also an area that has been irrigated prior to the Lloyd families purchase of the property and this was serviced with a mainline from the river on Liverpool Road and is on section 2419. Lot 3 and lot comprising pieces 1 and 2 are zoned "conservation" with the District Council of Alexandrina.

AMBO Pty Ltd Site History March 2020

The property is generally undulating in character and served by mains power, There are areas of native vegetation on the land and plantings along Section boundaries and roads, however the land is generally free of major trees and is utilised for cropping/grazing.

The majority of the land is zoned "general farming". Lot 3 and lot comprising pieces 1 and 2 are zoned "conservation" with the District Council of Alexandrina.

There is an existing DWR sump on section 2419 which is serviced by a 6" fibro mainline from a pump on the Liverpool Road river front.

2

AMBO Pty Ltd Site History March 2020

The buildings on the property consist of;

- One old hay shed in disuse
- One dilapidated shearing shed that has never been used in the Lloyd ownership
- One old Equipment shed.
- All were assumed to be built early in the 20th century and have never been utilized within our families 23 year ownership period.

Next to the shearing shed is a disused sheep tank.

4

AMBO Pty Ltd Site History March 2020

Soil Types

The soils consist of sandy loamy through to heavy flats. There is a friable base of limestone.

Potential Contamination

The area is broken up into 4 large paddocks, predominantly used for cattle breeding since Ambo Pty Ltd ownership. Approx. 80 acres on the north-western boundary are utilised every year for growing hay, the properties cattle and as such is fully utilised and remains on the property.

Farm chemicals and fertilizers applied to this property include;

The property is spread with single superphosphate every other year.

Furthermore, we maintain control of the weeds; African boxthorn and Sodom Apple, as recommended by our agronomist based at FP Ag, Victor Harbour.



Figure 1: Disused sheep tank



Figure 2: Dilapidated shearing shed



Figure 3: Disused sheep tank



Figure 4: Interior of Shearing shed

History of Ownership

The AMBO Pty Ltd "Narrows" has been in the ownership of one family since 1997 providing a high level of accuracy and long - term confidence with this site's history.

Conclusions

Potential sources of site contamination identified in this review and inspection includes;

- ★ Sheep dip not utilised for at least 40 years.
- ★ Use of weedicides and fertilisers as recommended.
- ★ One dilapidated shearing shed

There are no stockpiles of building waste located on the property.

It is considered that there is a low likelihood of potentially significant soil contamination at the property and that no areas would require extensive remediation for any site development.

For the purposes of the DPA further investigations, such as conducting any intrusive soil investigation, is not necessary.