

Kamay Wharf Project

Preliminary Site Investigation – La Perouse Site

6 December 2022

Project No.: 0564417



Document details	
Document title	Kamay Wharf Project
Document subtitle	Preliminary Site Investigation – La Perouse Site
Project No.	0564417
Date	6 December 2022
Version	3.0
Author	Ian Batterley
Client Name	Arup Australia Pty Ltd

Document history

				ERM approval to issue		
Version	Revision	Author	Reviewed by	Name	Date	Comments
Draft	01	lan Batterley	Peter Lavelle CEnvP SC	Ashton Hincksman	24 August 2020	Draft For Arup Review
Final	02	lan Batterley	Peter Lavelle CEnvP SC	Ashton Hincksman	2 December 2020	Final
Final	03	lan Batterley	Peter Lavelle CEnvP SC	Ashton Hincksman	6 December 2022	Update based on Auditor comments

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Signature Page

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Kamay Wharf Project

Preliminary Site Investigation - La Perouse Site

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Acronyms and Abbreviations

Name	Description
ACM	Asbestos Containing Material
AHD	Australian Height Datum
AMG	Australian Map Grid
ASC NEPM	National Environment Protection (Assessment of Site Contamination) Measure
ASS	Acid Sulfate Soils
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
CLM	Contaminated Land Management Act 1997
CoPC	Contaminant of Potential Concern
CSM	Conceptual Site Model
DP	Deposited Plan
DPI	Department of Primary Industries
DSI	Detailed Site Investigation
EPL	Environment Protection License
ESA	Environmental Site Assessment
m	Metre
m AHD	Metres Above Australian Height Datum
m bgl	Metres Below Ground Level
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
NSW EPA	New South Wales Environment Protection Authority
OCP	Organochlorine Pesticides
OPP	Organophosphorus Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
PFAS	Per and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonate
POEO Act	Protection of the Environment Operations Act 1997
PSI	Preliminary Site Investigation
RAP	Remedial Action Plan
SAQP	Sampling and Analysis Quality Plan
TBT	Tributyltin
TRH	Total Recoverable Hydrocarbons

1. INTRODUCTION AND OBJECTIVES

Environmental Resources Management Australia Pty Ltd (ERM) was engaged by Arup Australia Pty Ltd (Arup) to undertake a Preliminary Site Investigation (PSI) of the Project Area identified as the Kamay Ferry Wharf Project, located in La Perouse, NSW (the Project Area).

ERM understands Transport for New South Wales (Transport for NSW) is seeking approval to reinstate the ferry wharves at La Perouse and Kurnell in Botany Bay (the project) under Division 5.2 of the Environmental Planning and Assessment Act 1979 (EP&A Act) as State significant infrastructure.

The project would allow for an alternative connection between La Perouse and Kurnell rather than by road. The primary purpose of this infrastructure would be to operate a public ferry service to service visitors to the area and by the local community for cultural and recreational purposes. It would also provide supplementary temporary mooring for tourism-related commercial vessels and recreational boating.

The project provides opportunities for significant cultural and economic benefits to the local Aboriginal community by providing improved access to culturally significant sites.

It is also expected to deliver benefits and opportunities to wider communities on either side of Botany Bay such as investment opportunities in a ferry service and other new visitor/tourist experiences

A concept design has been developed for the proposed redevelopment which includes the following key features:

- Two new wharves, one at La Perouse and one at Kurnell that would include:
 - Berth for ferries (to accommodate vessels up to 40m long);
 - Berth for recreational and commercial vessels (to accommodate vessels up to 20m long);
 - Sheltered waiting areas and associated furniture;
 - Additional space within waiting areas to accommodate other users such as fishing and those using recreational vessels; and
 - Signage and lighting.
- Landside paving, access ramps, seating and landscaping at the entrance to the wharves;
- Reconfiguration of existing car parking areas at La Perouse and Kurnell to increase the number of spaces (including provision of accessible parking and kiss-and-ride bays);
- Reconfiguration of footpaths around the new car parking areas; and
- Provision for bike racks at La Perouse.
- Installation of utilities to service the wharves

Information provided to ERM indicates the total construction period is anticipated to take up to 13 months, starting in early 2022. The construction of the two wharves will occur at the same time with landside and waterside works occurring simultaneously.

A concept design has been developed for the project, which forms the basis of this assessment. This PSI has been prepared to support the Environmental Impact Statement (EIS) prepared for the project

The Project Area location is illustrated on Figure 1 and the current layout is presented on Figure 2.

1.1 Objective

The objective of these works was to undertake a Preliminary Site Investigation (PSI) that refines the current understanding of the Project Area and aids Arup in assessing potential constraints associated with site contamination that may require consideration prior to or during development of the proposed Kamay Ferry Wharf (the Proposal).

1.2 Scope of Works

To meet the project objective, ERM completed the following scope of works:

- Review of background information relating to the Project Area, including:
 - Information relating to surface water discharge conditions and sample results;
 - The NSW Environment Protection Authority (EPA) Contaminated Land Register;
 - Historical aerial photographs;
 - Land titles information;
 - Registered groundwater bore information;
 - Relevant government databases; and
 - Published soil, geology and topographic maps.
- Preparation of this PSI report.

Investigative work was conducted with reference to relevant parts of the following guidelines:

- National Environment Protection (Assessment of Site Contamination) Measure 1999 (ASC NEPM (1999)) (as amended May 2013) herein referred to as the ASC NEPM (2013);
- NSW EPA (2017). Guidelines for the NSW Site Auditor Scheme (3rd edition); and
- NSW EPA (2020). Consultants reporting on contaminated land Contaminated land guidelines.

2. SITE IDENTIFICATION

The Project Area identification information is presented within the table below:

Table 2.1 – Site Identification Details

Item	Description			
Site Address	Proposed Kamay Ferry Wharf. Anzac Parade, La Perouse, NSW			
Site Owner	■ The State of NSW			
	Randwick Council			
Legal Description	■ Lot 5113 DP 752015			
	■ Lot 1 DP 934156			
	■ Lot 1057 DP 752015			
	■ Lot 285 DP752015			
	Part Lot 2 DP 776343			
	Part Lot 1 DP 776343			
	Part Lot 5086 DP 752015			
	Part Lot 1 DP 862586			
	■ Lot 5257 DP 824002			
	■ Lot 5253 DP 824002			
	■ Lot 5254 DP 824002			
	■ Lot 5256 DP 824002			
	■ Lot 5255 DP 824002			
	■ Lot 1081 DP 752015			
	■ Lot 7045 DP 1026891			
	■ Lot 7043 DP 1026891			
	■ Lot 1 DP 915424			
	■ Lot 3 DP 1165618			
Local Government Area	Randwick Council			
Current Zoning	■ E1 – National Parks and Nature Reserves			
	■ RE1 – Public Recreation			
	■ SP2 - Infrastructure			
Geographical Co-Ordinates	■ 33°59'19"S 151°13'59" E (approximate centre of Site)			
Site Location and Site Layout	■ Figure 1 and Figure 2			

3. SITE BACKGROUND REVIEW

3.1 Site Setting

The following sections summarise the information obtained during the Project Area background and history review.

Copies of all database search results are provided in Appendix B.

Table 3.1 - Site Setting

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Item	Description
Project Area	Approximately 11.5 ha (including land and water portions of the Project Area)
Current land-use	The Project Area is currently comprised of undeveloped recreational land (open grass parkland), open water (Frenchmans Bay) and public roadways (Anzac Parade).
Proposed Future Use	Re-instatement of public ferry wharves and associated infrastructure.
Surrounding Land	The land uses surrounding the Project Area include:
use	■ North: Frenchmans Bay, low density residential dwellings and recreational parkland;
	South: Botany Bay;
	■ East: Undeveloped recreational bushland then Botany Bay / Pacific Ocean; and
	■ West: Botany Bay followed by industrial land comprising fuel / chemical storage located approximately 1.5 km to the west of teh Site.
Site Elevation	Between 0 – 15 m Australian Height Datum (AHD)
Topography	Regional topography is generally flat with a slight slope to the south / south east in the direction of the Pacific Ocean.
	The central portion of the Project Area is located at an elevation of approximately 15 m AHD and slopes to the south, east and west in the direction of Botany Bay.
Hydrology	■ The portion of the Project Area located on land was observed to contain a centralised ring road (Anzac Parade). During periods of rainfall it is anticipated that surface water would either flow into stormwater infrastructure located within Anzac Parade, infiltrate the Project Area surface in unsealed portions of the Project Area or flow offsite to the adjacent Botany Bay.
Geology, Soils and Acid Sulfate Soils	Geology mapping provided by NSW Planning and Environment – resources and energy indicates the Project Area is underlain by an unnamed Mesozoic formation comprising medium to coarse grained quartz and sandstone, very minor shale and laminite lenses and an unnamed Quaternary formation comprising coarse quartz sands and varying amounts of shell fragment. Soils within the Project Area are described as:
	 Shallow discontinuous earthy sands and yellow earths on crests and insides of benches.
	Shallow sliceous sands on leading edges, shallow to deep leached sands, grey sands and gleyed podzolic soils in poorly drained areas ad localised yellow podzolic soils associated with shale lenses.
	Mapping indicated that the western portion of the Project Area was comprised of class 4 and class 5 Acid Sulfate Soils (ASS). Mapping indicated that there was a potential probability of ASS occurring within subtidal marine sediments.

Item	Description
Hydrogeology	Information from NSW Department of Primary Industries' and the Bureau of Meteorology indicated the following: A search of registered groundwater bores identified 37 bores within the 2 km search radius. Standing water levels were measured between 0 m below ground level (bgl) to 143.0 m bgl. The majority of bores identified groundwater at depths of between 3 m and 8 m bgl. Registered bores were utilised for arrange of purposes including water supply, domestic, household, monitoring and water supply bores. ERM notes that the Project Area is located immediately adjacent to the NSW Office of Water Groundwater Extraction Exclusion Area (GEEA) - Area 2. Mapping indicates the exclusion zone extends from the northern boundary of the Project Area at the intersection of Anzac parade and Endeavour Avenue. Drillers logs indicated that groundwater was identified within unconsolidated sand, clays and sandstone bedrock.

3.1.1 Aerial Photographs

Historical aerial photographs (**Appendix C**) were reviewed to assess potential historical land use practices undertaken within and surrounding the Project Area. A summary of information obtained from the review is presented within the table below. '

Table 3.2 – Aerial Photography

Year	Description
1930 – Black and White	 Project Area: The Project Area appears to be comprised of undeveloped land with visible rock outcroppings. Anzac parade is visible as an unsealed rod bisecting the eastern portion of the Project Area and leading to Bare Island. A small jetty / pier is located on the western boundary of the Project Area into Frenchmans Bay. Surrounding Area: The surrounding area is largely comprised of undeveloped land. Several small residential buildings are located immediately to the north of the Project Area.
1943 – Black and White	 Project Area: Several buildings appear to have been constructed within the central portion of the Project Area. Based on other historical information, it is the opinion of ERM that these are likely associated with Defence operations in the area. Surrounding Area: Additional low density residential development has occurred to the north of the Project Area.
1951 – Black and White	 Project Area: Buildings within the northern portion of the Project Area have been demolished. A building structure remains in the location of the existing la Perouse Museum building. Surrounding Area: No significant changes since previous aerial photography.
1953 – Black and White	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography.
1961 – Black and White	 Project Area: No significant changes since previous aerial photography. Surrounding Area: Additional low density residential development has occurred to the north of the Project Area.
1965 – Black and White	 Project Area: Anzac Parade has been constructed consistent with its current alignment and is sealed. The small building structure on the southern portion of the Project Area appears to have been demolished. Surrounding Area: No significant changes since previous aerial photography
1970 – Black and White	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography

Year	Description
1971 – Black and White	 Project Area: The monument located within the western portion of the Project Area appears to have been constructed. Surrounding Area: No significant changes since previous aerial photography
1975 – Black and White	 Project Area: the small jetty / pier in the western portion of the Project Area facing Frenchmans Bay has been demolished. Surrounding Area: No significant changes since previous aerial photography
1978 – Black and White	 Project Area: La Perouse Monument appears to have been constructed within the centre of the Project Area. Surrounding Area: No significant changes since previous aerial photography.
1983 – Black and White	 Project Area: No significant changes since previous aerial photograph. Surrounding Area: No significant changes since previous aerial photography.
1986 - Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography
1988– Black and White	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography
1990 – Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography
1994 - Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography
2002 - Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography.
2004 - Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography
2007 - Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography.
2009 - Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography
2011 - Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography.
2014 - Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography.
2017 - Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography.
2020 - Colour	 Project Area: No significant changes since previous aerial photography. Surrounding Area: No significant changes since previous aerial photography.

3.1.2 Land Titles

A land titles search was conducted as part of the site background review and is included in **Appendix D**.

A review of the land titles search did not reveal any additional information in regards to contamination.

3.1.3 Historical Business Records

A search of historical business records for the Project Area and surrounding area was undertaken of records held between the 1930s and 2010. The results of the search area summarised below, and a copy of historical business records is provided within **Appendix B.**

Table 3.3 - Historical Business Records

Year	Registered Business Types	Potential Contaminants
1930	■ No records	■ N/A
1940	Boat Launches and Hires.	 Chlorinated Hydrocarbons (CHCs), Tributyltin (TBT), TRH, BTEX, SVOCs, VOCs, Heavy Metals, Nutrients / Inorganics
1950	Boat Launches and Hires.	 Chlorinated Hydrocarbons (CHCs), Tributyltin (TBT), TRH, BTEX, SVOCs, VOCs, Heavy Metals, Nutrients / Inorganics
1965	Boat Launches and Hires; andElectrical Contractors.	 Chlorinated Hydrocarbons (CHCs), Tributyltin (TBT), TRH, BTEX, SVOCs, VOCs, Heavy Metals, Nutrients / Inorganics
1970	Boat, Launch and Yacht Builders / Repairers.	 Chlorinated Hydrocarbons (CHCs), Tributyltin (TBT), TRH, BTEX, SVOCs, VOCs, Heavy Metals, Nutrients / Inorganics
1975	No records.	■ N/A
1980	 Boats – Hire and Charter; Printing Engineers; and Boat Equipment. 	 Chlorinated Hydrocarbons (CHCs), Tributyltin (TBT), TRH, BTEX, SVOCs, VOCs, Heavy Metals, Nutrients / Inorganics
1990	Sailboarding Equipment and Supplies;Boat Charter Services; andPrinting Engineers.	 Chlorinated Hydrocarbons (CHCs), Tributyltin (TBT), TRH, BTEX, SVOCs, VOCs, Heavy Metals, Nutrients / Inorganics
2005	■ Boat Hire.	 Chlorinated Hydrocarbons (CHCs), Tributyltin (TBT), TRH, BTEX, SVOCs, VOCs, Heavy Metals, Nutrients / Inorganics
2010	Boat and Yacht Haulage Services;Boat Charters; andPest Control Services.	 Chlorinated Hydrocarbons (CHCs), Tributyltin (TBT), TRH, BTEX, SVOCs, VOCs, Heavy Metals, Nutrients / Inorganics

3.1.4 NSW EPA PFAS Investigation Program

A search of the NSW EPA Per and Polyfluoroalkyl Substances (PFAS) investigation program database indicated that the following PFAS investigations had been or were being undertaken at the Project Area nor within the 2 km report buffer area:

Table 3.4 – NSW EPA PFAS Program

Site Name	Description	Source	Distance from Site	
Botany Bay area	The number of potential sources of PFAS in the area makes it difficult to attribute detections in Botany Bay to individual sources. PFAS was detected in sediment, surface and groundwater.	 State-wide PFAS investigation program 	Onsite	
	Fishing restrictions were introduced at the end of 2017 for Botany Bay area. None of the reported PFAS concentration data from Botany Bay have been released.			

A search of the NSW EPA contaminated land database under the Contaminated Land Management Act 1997 (CLM Act 1997) undertaken for the Project Area and a 1 km buffer did not identify any sites recorded on the NSW EPA contaminated land record of notices.

3.1.6 NSW EPA Contaminated Land Search

A search of the NSW EPA contaminated land database under the CLM Act 1997 undertaken for the Project Area and a 1 km buffer area did not identify any sites that have been notified to NSW EPA.

3.1.7 National Pollutant Inventory Industrial Facilities

A search of the National Pollutant Inventory (NPI) register did not identify any sites recorded within the NPI register to be located within the 500 m search buffer area.

3.1.8 Licensing under the POEO Act 1997

A search of the NSW EPA record of licensed activities under the *Protection of the Environment Operations Act 1997* undertaken for the Project Area and 500 m buffer area did not identify any current EPA licences.

3.1.9 Delicensed Premises still Regulated by EPA, Licenses Surrendered, Clean Up and Penalty Notices

A search of the NSW EPA record of licensed activities under the *POEO 1997* undertaken for the Project Area and 1 km buffer area identified the following sites:

License holder	No.	Name	Premise Address1	Fee Based Activity	Status	Distance (m)	Direction
State of NSW – Office of Environmental and heritage	6251	Happy Valley in Botany Bay National Park	Anzac Parade, La Perouse	Miscellaneous licenced discharge to waters	Surrendered	23	North East
Ausgrid	13074	Botany Bay Cable Project Dredging	Botany Bay Shipping Channel	Water Based Extractive Activity	Surrendered	Not Mapped	NA
Ausgrid	13312	Botany Bay Cable Project	Botany Bay La Perouse Headland	Miscellaneous licenced discharge to waters	Surrendered	Not Mapped	NA

Table 3.5 – Surrendered Licences

3.1.10 Clean up Penalty Notices

A search of the NSW EPA cleanup notices issued *Protection of the Environment Operations Act 1997* undertaken for the Project Area and 1 km buffer did not identify at relevant Sites.

3.1.11 Unexploded Ordnance Area

Search results indicated that Botany Bay is recorded as a potential UXO area as a result of mortar shooting by the Australian Department of Defence during World War 2.

■ ERM notes that the portion of Botany bay identified as containing potential UXO is located immediately adjacent to the south east of the Project Area within Congwong Bay as shown on **Figure 3**. ERM note that firing lines were not available.

3.1.12 Potentially Contaminating Activities

A search of potentially contaminating land uses within the Project Area and surrounding buffer area identified the following sites (**Figure 3**):

- Bare Island located located 153 m to the south west of the Project Area.
 - Information from records indicates that Bare Island is a heritage-listed islet military fort located in La Perouse NSW. The Island contains former fortification facilities, it was a former war veterans' home and museum.
 - Built from 1881 to 1889, the fort was armed with a few pounder guns, a gun in an armored casemate / fortified gun emplacement, and two five—barreled Nordenfelt guns.
 - In the early 1900s the fort was decommissioned and soon after it became the first war veterans' home in Australia. It was notified as a Reserve for Public Recreation in 1965.
- Frenchmans Bay located 50 m to the north of the Project Area.
 - The area was identified as a derelict mine / quarry utilised for the extraction of foundry / construction sands.

Search results did not identify any of the following land uses within the search buffer area:

- Cattle Dip Sites;
- Dry Cleaners;
- Fire Rescue Sites;
- Gas Terminals;
- Petrol Stations;
- Power Stations;
- Substations:
- Telephone Exchanges;
- Waste Management Facilities; and
- Water Treatment Facilities.

4. SITE INSPECTION

A site inspection to confirm that nature of current land uses was undertaken on 30 July 2020 by Ian Batterley, a suitably qualified and experienced ERM environmental scientist. Observed site features are presented on **Figure 2**.

- The Project Area is accessed via Anzac Parade located within the northern portion of the Project Area. Anzac Parade circles the eastern, southern and western boundaries of the landside portion of the Project Area. During the Project Area inspection, the roadway was noted to be in good condition and free from obvious cracks / staining and other major deformities.
- At the time of the Project Area inspection, the majority of the Project Area was comprised of unsealed land including undeveloped parkland within the landside portion of the Project Area. The La Perouse Museum, La Perouse Tower and monument were located within the central portion of the Project Area. It is the understanding of ERM, that these structures are being retained during any future potential development works.
- During inspection works, the Project Area was generally flat with slope from the central portion of the Project Area to the west, south and east in the direction of Botany Bay.
- ERM notes that during the inspection, natural bedrock outcroppings were noted on the surface of the Project Area which were consistent with exposed rock within surrounding cliffs etc.
- While no surface waters (on the landside portion of the Project Area) were present during the Project Area inspection, during periods of rainfall it is considered likely that surface waters present would either be directed to stormwater infrastructure located along Anzac Parade, infiltrate the Project Area surface (within unsealed portions of the Project Area) or flow towards Botany Bay.
- During the Project Area inspection, no evidence (vents, risers, filler points etc.) of fuel / chemical storage or illegal waste disposal / buried drums etc. was noted.
- There was no evidence of sheen / odours within surface waters (Botany Bay) that indicated the presence of anthropogenic contamination.
- Vegetation surrounding the Project Area appeared to be generally healthy and free from obvious signs of stress.

5. CONCEPTUAL SITE MODEL

5.1 Potential Sources of Contamination

Based on the Project Area history and background data reviewed and ERMs professional experience, the Contaminants of Potential Concern (CoPC) associated with current and historical land uses undertaken in the general area are considered to include the following:

Potential Source	CoPC	Potentially Affected Media	Comment
Uncontrolled fill	Asbestos, total recoverable hydrocarbons (TRH); benzene, toluene, ethylbenzene and xylenes (BTEX); semivolatile organic compounds (SVOCs), Volatile Organic Compounds (VOCs), heavy metals, polycyclic aromatic hydrocarbons (PAHs), phenols, OCP / OPP	SoilGroundwaterSedimentsSurface Water	Potential for uncontrolled fill materials to have been imported to the Project Area from adjacent industrial sites / unknown sources during construction of roadways and other minor construction works within the Project Area.
Historical onsite and surrounding land uses	Per- and Polyfluoroalkyl Substances (PFAS), Chlorinated Hydrocarbons (CHCs), Tributyltin (TBT), ASS, TRH, BTEX, SVOCs, VOCs, Heavy Metals, Nutrients / Inorganics	SoilGroundwaterSedimentSurface Water	 Historical use of the Project Area for military purposes resulting in soil contamination from the use and / or storage of military equipment etc within the Project Area. PFAS contamination may be present from surrounding industrial properties and other sites discharging to Botany Bay potentially impacting surface water and sediment. Nutrient / inorganic compounds may be present within sediments located within the intertidal zone. ASS mapping indicates the likely presence of ASS within intertidal sediments
Hazardous building materials	■ Asbestos, PCBs, lead.	SoilGroundwater	While no evidence of illegal dumping was noted during the Project Area inspection, the potential for historically dumped waste materials within portions of the Project Area (particularly bushland areas) should be considered.
Unexploded Ordnance (UXO)	■ UXO	Botany Bay / Congwong Bay	Records indicate the potential for UXO to be present within firing lines located to the east of the Project Area in Congwong Bay associated with firing of mortars.

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5.2 **Potential Pathways**

The primary potential exposure pathways of concern at the Project Area are:

- Inhalation of vapour (from soil and/or groundwater) and contaminated dust (from soils);
- Dermal contact and / or incidental ingestion with contaminated surface water and soils / sediments;
- Transport of contamination through surface water flows;
- Transport of contamination to underlying groundwater aquifers;
- Transport / mobilisation of contaminants through mechanical transport during construction works; and
- ERM notes the potential for UXO to be present to the east of the Project Area and notes a potential risk to human health / surrounding ecology where there is disturbance to sediments within Cowong bay that have the potential to disturb / impact any remnant UXO.

5.3 **Potential Receptors**

Key receptors have been identified as:

- Current site users (recreational);
- Future site users (recreational and commercial / industrial);
- Potential future users of groundwater;
- Workers carrying out installation or maintenance works within the Project Area;
- Groundwater beneath the Project Area;
- Adjacent sensitive residential receptors; and
- Adjacent sensitive ecological receptors such as surface water bodies including Botany Bay.

5.4 Conceptual Site Model

Based on the results of the desktop assessment, site inspection and the potential sources, pathways and receptors identified above ERM developed the below Conceptual Site Model (CSM).

Table 5.1 – Conceptual Site Model

Potential Sources	Pathways	Potential Receptors	Risk of Potentially Complete Pollutant Linkage	Comment
Uncontrolled fill	Dermal contact and / or incidental ingestion with contaminated surface waters / soils.	 Current and future site users; and Workers carrying out development, installation or maintenance works within the Project Area. 	Low - Moderate	 Potential for uncontrolled fill materials to have been imported to the Project Area from unknown sources during construction of roadways and other
	Transport of contamination through surface water flows.	 Adjacent sensitive receptors; Current and future site users; and Workers carrying out development, installation or maintenance works within the Project Area. 	Low	construction works within the Project Area associated within current and historical building structures.
	Transport of contamination to underlying groundwater aquifers	Adjacent sensitive receptors; andFuture potential on-site users of groundwater.	Low	
	Transport of contaminants through mechanical transport	 Workers carrying out development, installation or maintenance works within the Project Area. 	Low - Moderate	
Historical onsite and surrounding land uses	Dermal contact and / or incidental ingestion with contaminated surface waters / soils.	 Current and future site users; and Workers carrying out development, installation or maintenance works within the Project Area. 	Low	Potential contamination associated with the use and storage of equipment utilised in the former sand mining undertaken within
	Transport of contamination through surface water flows.	 Adjacent sensitive receptors; Current and future site users; and Workers carrying out development, installation or maintenance works within the Project Area. 	Moderate	Frenchmans Bay. Potential groundwater contamination associated with the adjacent groundwater extraction exclusion area (GEAA) The western portion of the Project
	Transport of contamination to underlying groundwater aquifers	 Adjacent sensitive receptors; and Future potential on-site users of groundwater. 	Moderate	Area was identified to contain a former pier / jetty area.

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Potential Sources	Pathways	Potential Receptors	Risk of Potentially Complete Pollutant Linkage	Comment
	Transport of contaminants through mechanical transport (during excavation of sediments etc)	Workers carrying out development, installation or maintenance works within the Project Area.	High	 PFAS contamination may be present from industrial properties located in the vicinity and other sites discharging to Botany Bay resulting in potential impact to surface water and sediments. Nutrient / inorganic compound may be present within sediments located within the intertidal zone ASS mapping indicates the likely presence of ASS within intertidal sediments ERM notes that based on the likely saline nature of groundwater within the Project Area, the onsite use of groundwater for beneficial purposes is unlikely.
Hazardous building materials	Inhalation of contaminated dust / fibres.	 Current and future site users; and Workers carrying out development, installation or maintenance works within the Project Area 	Low - Moderate	ERM notes that onsite buildings are scheduled to remain onsite following demolition and remain undisturbed, however it may be prudent to undertake a hazardous materials investigation of onsite structures to assess the potential for surficial
	Transport of contaminants through mechanical transport	 Current and future site users; and Workers carrying out development, installation or maintenance works within the Project Area. 	Low - Moderate	impact to be present within the Project Area associated with degrading building materials. While no evidence of illegal dumping was noted during the Project Area inspection, the potential fir duped waste materials within portions of the Project Area (particularly bushland areas) should be considered.
Unexploded Ordnance	Disturbance during future construction works	Workers / site usersEcological receptors	Low - Moderate	ERM notes that UXO mapping indicated the area to the east of the Project Area (outside the Project Area boundary) was utilised for Mortar firing.

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6. QUALITATIVE EVALUATION OF ENVIRONMENTAL RISK

As outlined within the CSM presented above, ERM considers there may be a potential risk to human health / ecological receptors due to the following potentially complete pollutant linkages identified at the Project Area:

- Potential uncontrolled fill materials associated with construction of the existing roadways or levelling / site filling for construction of onsite building structures;
- Potential use of hazardous materials within onsite historical and current building structures;
- Historical onsite and surrounding land uses including (but not limited to) former the adjacent Groundwater Extraction Exclusion Area, Defence land uses, sand mining, etc; and
- Potential Unexploded Ordnance located within a former mortar firing area located to the east of the Project Area.

Based on information reviewed as part of this PSI, it is the opinion of ERM that the risk to current onsite human health is generally considered to be low. ERM notes that where the Project Area is to be redeveloped and / or Arup require a greater understanding of liabilities or to inform site management controls a Detailed Site Investigation (DSI) of soil and groundwater conditions should be undertaken to assess the contamination status of the Project Area.

Prior to undertaking investigation works, a Sampling and Analysis Quality Plan (SAQP) detailing the requirements for further investigation should be developed. While the specific requirements of the investigation would be detailed within the SAQP, ERM considers that the DSI should be undertaken on a targeted basis in consideration of the identified contaminants of potential concern (CoPCs) and include an assessment of soil and groundwater as follows:

- a targeted sampling approach to assess potential point sources of contamination such as potential uncontrolled fill and contaminated soils, sediment, surface and groundwater associated with historical onsite and offsite land uses; and
- the collection of background samples to ensure collected results are assessed in consideration of naturally occurring conditions.

While ERM notes that an initial review of records indicated that UXO was likely to be located to the east of the Project Area, where possible additional reviews of Defence records should be undertaken prior to the commencement of any intrusive works excavation / disturbance within the Botany Bay portion of the Project Area to assess the potential risk to the proposed works.

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7. CONCLUSIONS AND RECOMENDATIONS

ERM was engaged by Arup to undertake a PSI at the Project Area identified the Kamay Ferry Wharf Proposal located in la Perouse, NSW (the Project Area).

The objective of these works was to undertake a PSI that refines the current understanding of the Project Area and aids Arup in assessing potential constraints associated with site contamination that may require consideration prior to or during development of the proposed Kamay Ferry Wharf.

To meet the above objectives, ERM undertook a PSI including a review of the NSW EPA contaminated land register, historical aerial photographs, groundwater-bore information; relevant government databases, published soil, geology and topographic maps and a site inspection.

The results of the PSI indicated the following:

- The Project Area is located in predominantly public open space comprising beach area, parkland and undeveloped bushland associated with Botany Bay National Park with the northern portion of the Project Area extending into Botany Bay.
- The Project Area is underlain by a underlain by an unnamed Mesozoic formation comprising medium to coarse grained quartz and sandstone, very minor shale and laminite lenses and an unnamed Quaternary formation comprising coarse quartz sands and varying amounts of shell fragment.
- Groundwater within the surrounding area was identified at depths between 0 m bgl to 143.0 m bgl. The majority of bores identified groundwater at depths of between 3 m and 8 m bgl. Registered bores were utilised for arrange of purposes including water supply, domestic, household, monitoring and water supply bores. ERM notes that the Project Area is located immediately adjacent to the NSW Office of Water Groundwater Extraction Exclusion Area (GEEA) Area 2. Mapping indicates the exclusion zone extends from the northern boundary of the Project Area at the intersection of Anzac parade and Endeavour Avenue.
- Historical records indicate the Project Area has largely been vacant since the 1930s with limited use of the Project Area for Defence purposes in the 1940s. Records from this time indicate the potential for Mortar Firing to have been undertaken in an easterly direction towards Congwong Bay. ERM notes that a small pier was observed in aerial photographs from the 1930's and may be associated with the adjacent historical sand mining in Frenchmans bay. Following closure / demotion of Defence buildings the Project Area has been used for recreational parkland and the la Peruse Museum.

Based on information reviewed as part of this PSI, ERM considers there to be a potential risk to human health / ecological receptors due to the following potentially complete pollutant linkages identified at the Project Area:

- Potential uncontrolled fill materials associated with construction of the existing roadways or levelling / site filling for construction of onsite building structures;
- Potential use of hazardous materials within onsite historical and current building structures;
- Historical onsite and surrounding land uses including (but not limited to) former Defence land uses, sand mining etc; and
- Potential Unexploded Ordnance located within a former Mortar Firing area located to the East of the Project Area.

ERM further notes that based on the proposed construction method, the potential release of contamination within subsurface soils, sediments requires consideration during the design of construction environmental controls.

It is the opinion of ERM that based on the results of this PSI, to provide greater certainty on the potential constraints associated with contamination an intrusive investigation of soil, sediment, surface water and groundwater should be undertaken to more accurately assess the contamination status of the Project Area.

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KAMAY WHARF PROJECT Preliminary Site Investigation – La Perouse Site

APPENDIX A FIGURES







KAMAY WHARF PROJECT Preliminary Site Investigation – I	.a Perouse Site	
APPENDIX B	DESKTOP SEARCH RESULTS	

6 December 2022





DUE DILIGENCE INSIGHT REPORT

Property Details

Proposed Wharf Site, La Perouse NSW

Search Date: 12 August 2020

Executive Summary

Dataset	Identified	Not identified
Sensitive Receptors	<u> </u>	
Planning Controls	<u> </u>	
Soil Landscape	_	
Salinity		*
Radon	<u> </u>	
Acid Sulfate Soil	<u> </u>	
Geology		
Naturally Occurring Asbestos Potential (NOA)	_	*
	A	
łydrogeology		
Groundwater Bores		
Groundwater Dependent Ecosystems	_	A
Other Bores		*
Environmental Registers, Licences and Incidents		
Contaminated Land Record of Notices		
Sites Notified as Contaminated to the NSW EPA		
Potentially Contaminated Areas		
Defence Sites (current, former and RCIP)	<u> </u>	
Former Gasworks Sites		A
PFAS Sites		
Licensing under the POEO Act	-	
Licences		
Surrendered Licences still Regulated by EPA		
Clean Up and Penalty Notices	<u> </u>	A
VPI Industrial Facilities		
		*
Public Register of Properties Affected by Loose-Fill Asbestos Insulation		
Other Potentially Contaminating Activities		
Contamination Legacy Areas		
Derelict Mines and Quarries	1	
Historical Landfills		
Unexploded Ordnance (UXO) Sites - Department of Defence (DoD)	1	
Aviation Fuel Depots/Terminals		<u> </u>
Cattle Dip Sites		<u> </u>
Dry Cleaners		<u> </u>
Liquid Fuel Depots/Terminals		<u> </u>
Fire and Rescue Sites		A
Gas Terminals		<u> </u>
Mines and Quarries		<u> </u>
Power Stations		*
Service Stations		*
Substation/Switching Station		*
Telephone Exchanges		*
Waste Management Facilities		*
Wastewater Treatment Facilities		*
Current Commercial & Trade Directory Data		*
Historic Commercial & Trade Directory Data	1	
Other Environmental Constraints		
Federal, State and Local Heritage	1	
Natural Hazards		*
State Environmental Planning Policy (Coastal Management)	1	

Understanding your Report

Your Report has been produced by Land Insight and Resources (LI Resources).

Your Report is based on information available from public databases and sources at the date of reporting. The information gathered relates to land that is within a **200 to 2000 m radius** (buffer zone) from the boundaries of the Property. A smaller or larger radius may be applied for certain records (as listed under records and as shown in report maps).

While every effort is made to ensure the details in your Report are correct, LI Resources cannot guarantee the accuracy or completeness of the information or data provided.

The report provided by LI Resources includes data listed on page 3 (table of contents). All sources of data and definitions are provided on the report maps and as listed in the Product Guide (Attached). For a full list of references, metadata, publications or additional information not provided in this report, please contact LI Resources at info@liresources.com.au.

The report does not include title searches; dangerous good searches or; property certificates (unless requested); or information derived from a physical inspection, such as hazardous building materials, areas of infilling or dumping/spilling of potentially contaminated materials. It is important to note that these documents and an inspection can contain information relevant to contamination that may not be identified by this Report.

This Report, and your use of it, is regulated by LI Resources Terms and Conditions (See LIR Product Guide).

Land Insight and Resources

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ATTACHMENTS

Attachment A - Report Maps Attachment B - Historical Imagery LIR Product Guide and Terms and Conditions



Section 1 - Property Setting

1.1 SITE LOCATION MAP AND SENSITIVE RECEPTORS

Map 1 (200m Buffer)

Sensitive recep	Category	Distance (m)*	Direction
Sydney Pistol Club Ltd	Sports and Recreation Activities	0	onsite
Botany Bay National Park	Parks and reserves	0	onsite
Timbery Reserve	Parks and reserves	0	onsite
Cann Park	Parks and reserves	15	North-east
Frenchmans Bay Reserve	Parks and reserves	85	South

^{*}Distance from the sensitive receptor point feature to the site boundary centroid.

1.2 PLANNING CONTROLS Map 2 (onsite)

Zoning

Code	Classification	
E1	National Parks and Nature Reserves	
RE1	Public Recreation	
SP2	Infrastructure - Classified Road	

Environmental Planning Instruments

Туре	Local Environmental Plan	Classification	
Not identified	-		

1.3 SOIL AND LAND USE INFORMATION

Map 3a/3b (onsite)

Soil Landscape

Soil Landscape	ERIa	LAMBERT	Soil Group	EROSIONAL
Description	m, slopes 20%. Robenches with low benches and inside edges; shallow to be a Gleyed Podzolic Scory 5.2) associated Limitations- very benches with low benches wi	ating to rolling rises and low hills of ock outcrop >50%. Broad ridges, goroken scarps, small hanging vallet crub and occasional low eucalypt 50 cm) discontinuous Earthy Sands des of benches; shallow (<20 cm) moderately deep (<150 cm) Leach with shale lenses. nigh soil erosion hazard, rock outcreoil, very low soil fertility.	gently to moderate ys and areas of po open-woodland. s (Uc5.11, Uc5.22 Siliceous Sands/l hed Sands (Uc2.2 as; localised Yellon	Ply inclined slopes, wide rock for drainage. Open and Pellow Earths (Gn2.2) Lithosols (Uc1.2) on leading 1), Grey Earths (Gn2.81) and W Podzolic Soils (Dy4.1,



Salinity

Salinity Hazard	-	Not identified
-----------------	---	----------------

Radon

Radon Level Bq/m3 4	Radon Level	Bq/m3	4
---------------------	-------------	-------	---

Typical radon levels in Australia are low and the values shown are the average values for each census district. For specific location, factors such as the local geology and house type could lead to different values. (ARPANSA).

Acid Sulfate Soil

ASS Risk Maps (Table 1.3.1)		On the Property?	Within Buffer?			
Class	Class 5			Class 4 / Class 5		
	Aa(p-)	ASS in subtidal marine environments		Potential ASS		
Atlas of Australian Acid Sulfate Soil (Table 1.3.2)	Cq(p4)	Cq(p4) ASS in inland lakes, waterways, wetlands and riparian zones		Extremely low probability of occurrence		
	Cu()	unclassified		Extremely low probability of occurrence		

Table 1.3.1. Classification scheme in the ASS Planning Maps

	Class of Land as shown on ASS Planning Maps
1	Acid sulfate soils in a class 1 area are likely to be found on and below the natural ground surface.
2	Acid sulfate soils in a class 2 area are likely to be found below the natural ground surface.
3	Acid sulfate soils in a class 3 area are likely to be found beyond 1 metre below the natural ground surface.
4	Acid sulfate soils in a class 4 area are likely to be found beyond 2 metres below the natural ground surface.
5	Acid sulfate soils are not typically found in Class 5 areas. Areas classified as Class 5 are located within 500 metres on adjacent class 1,2,3 or 4 land.

For each class of land, the maps identify the type of works likely to present an environmental risk if undertaken in the particular class of land. If these types of works are proposed, further investigation is required to determine if ASS are actually present and whether they are present in such concentrations as to pose a risk to the environment.

Table 1.3.2. Atlas of Australian Acid Sulfate Soils¹ (ASRIS) (CSIRO/NatCASS)

Code	Distinguishing soil/sediment properties, vegetation, landforms, or other characteristics						
Probability of Occurrence of ASS ¹							
Α	High Probability of occurrence - (>70% chance of occurrence in mapping unit)						
В	Low Probability of occurrence - (6-70% chance of occurrence in mapping unit)						
C	Extremely low probability of occurrence - (1-5% chance of occurrence in mapping unit)						
D	No probability of occurrence - (<1% chance of occurrence in mapping unit)						
х	Disturbed ASS¹ terrain - (ASS¹ material present below urban development).						
u	Unclassified - (Insufficient information to classify map unit)						
	Zones						
a	Potential acid sulfate soil material and/or Monosulfidic Black Ooze (MBO).						
b, c	Potential acid sulfate soil generally within upper 1 m.						
c, d, e	ASS ¹ generally within upper 1 m.						
f	ASS ¹ generally below 1 m from the surface						
g	ASS ¹ , generally below 3 m from the surface.						



Code	Distinguishing soil/sediment properties, vegetation, landforms, or other characteristics					
Probability of Occurrence of ASS ¹						
h	ASS ¹ generally within 1 m of the surface.					
i, j	ASS¹ generally below 1 m of the surface.					
k	ASS¹ material and/or Monosulfidic Black Ooze (MBO).					
l, m, n, o, p, q	ASS¹ generally within upper 1 m in wet / riparian areas.					
Subscripts to codes						
(a)	Actual acid sulfate soil (AASS) = sulfuric material.					
(p)	Potential acid sulfate soil (PASS) = sulfidic material.					
(q)	Monosulfidic Black Ooze (MBO) is organic ooze enriched by iron monosulfides.					
	Confidence levels					
(1)	All necessary analytical and morphological data are available					
(2)	Analytical data are incomplete but are sufficient to classify the soil with a reasonable degree of confidence					
(3)	No necessary analytical data are available, but confidence is fair, based on a knowledge of similar soils in similar environments					
(4)	No necessary analytical data are available, and classifier has little knowledge or experience with ASS, hence classification is provisional					

¹Acid Sulfate Soils (ASS) are all those soils in which sulfuric acid may be produced, is being produced, or has been produced in amounts that have a lasting effect on main soil characteristics (Pons 1973). Acid sulfate soil (ASS) may include PASS or AASS + PASS. Potential acid sulfate soil (PASS) = sulfidic material. Actual acid sulfate soil (AASS) = sulfuric material.

1.4 GEOLOGY AND TOPOGRAPHY

Map 4 (onsite)

Geology

Map Sheet	Symbol	Formation	Group	Era	Period	Description
Sydney 1:100 000 Geological Map	Rh	-	1	Mesozoic	Triassic	Medium to coarse grained quartz sandstone, very minor shale and laminite lenses
	Qhb	-	-	Cainozoic	Quaternary	Coarse quartz sand, verying amounts of shell fragment

Naturally Occurring Asbestos Potential (NOA)

Category	On the Property?	Within Buffer?
Not identified	-	-

Topography

Topography



Section 2 - Hydrogeology

2.1 HYDROGEOLOGY AND GROUNDWATER BORES

Map 5a (500m - 2000m Buffer)

	On the Property?	Within Buffer? ¹	
Aquifer Type	Porous, extensive highly productive aquifers	Porous, extensive highly productive aquifers	
Drinking Water Catchments	Not identified	Not identified	
Protected Riparian Corridor	Not identified	Not identified	
UPSS Environmentally sensitive zone	Yes	Yes	
Wetlands	Botany Bay	Botany Bay	
Groundwater Bores	Not identified	Yes, see 2.1.1 and 2.1.2	

¹ - Groundwater bore buffer size will change depending on the number of GW bores found within buffer; if there are less than 7 bores within buffer, buffer will increase to max 2km until bores are found.

Table 2.1.1. Groundwater Bore Details

Groundwater Bore ID	Authorised Purpose	Completion Date	Drilled Depth (m)	Final Depth (m)	SWL (m)	Salinity	Yield (L/s)	Distance (m)	Direction
GW109514	Monitoring	19-07-07	0.00	7.00	0.00		0.00	555.48	north
GW109513	Monitoring	19-07-07	0.00	7.00	0.00		0.00	593.64	north
GW109021	Household	10-07-08	0.00	4.00	0.00		0.00	943.22	north-east
GW028816	Manufacturing and industry	01-10-68	21.40	21.40	0.00		0.00	1008.18	north
GW114312	Monitoring	08-12-10	3.50	3.50	0.00		0.00	1063.63	north
GW069143	Recreation	28-08-92	95.00	0.00	9.61		1.90	1107.61	south-east
GW114308	Monitoring	08-12-10	2.90	2.90	0.00		0.00	1113.13	north-east
GW100005	Monitoring	20-04-06	246.00	246.00	8.00		0.45	1114.59	south-east
GW114311	Monitoring	08-12-10	6.00	6.00	0.00		0.00	1156.83	north
GW114309	Monitoring	08-12-10	6.00	6.00	0.00		0.00	1171.78	north-east
GW114310	Monitoring	08-12-10	4.80	4.80	0.00		0.00	1175.54	north
GW100016	Recreation	16-03-95	150.50	150.50	0.00	480.00 mg/L	0.80	1203.00	north-east



Groundwater Bore ID	Authorised Purpose	Completion Date	Drilled Depth (m)	Final Depth (m)	SWL (m)	Salinity	Yield (L/s)	Distance (m)	Direction
GW100461	Unknown	02-09-95	0.00	6.10	0.00		0.00	1215.56	north-east
GW105111	Household	01-Jan-1800	4.00	4.00	0.00		0.00	1268.52	north-east
GW103837	Household	08-07-01	6.00	6.00	0.00		0.00	1319.76	north-east
GW109705	Monitoring	12-11-02	163.20	163.20	0.00		0.16	1321.78	north-west
GW109706	Monitoring	15-11-02	53.20	53.20	0.00		0.16	1322.81	north-west
GW108724	Household	21-05-07	4.88	4.88	2.75	Good	0.50	1348.82	north-east
GW108260	Monitoring	01-04-06	199.00	199.00	0.00		0.50	1445.31	north-east
GW028573	Irrigated agriculture	01-11-66	13.10	13.10	2.10		1.52	1570.01	north-east
GW111793	Industrial, Irrigation, Recreation (Groundwater)	11-07-12	200.00	200.00	0.00		4.40	1602.79	north-east
GW110526	Monitoring	27-04-09	2.00	2.00	1.75		0.00	1652.66	north
GW113184	Monitoring	12-07-13	2.20	2.20	1.24		0.00	1720.79	north
GW111327	Monitoring	03-05-04	160.20	160.20	0.00		0.00	1729.91	north-west
GW108799	Monitoring	12-04-07	3.70	3.70	1.20		0.00	1731.87	north
GW108798	Monitoring	11-04-07	6.00	6.00	1.00		0.00	1739.51	north
GW113183	Monitoring	12-07-13	7.60	7.60	6.70		0.00	1741.42	north
GW108797	Monitoring	11-04-07	6.00	6.00	1.00		0.00	1749.39	north
GW113185	Monitoring	15-07-13	3.80	3.80	2.14		0.00	1749.73	north
GW111328	Monitoring	21-05-04	86.00	86.00	0.00		0.00	1766.61	north-west
GW113182	Monitoring	12-07-13	3.90	3.90	0.00		0.00	1786.73	north
GW111325	Monitoring	14-04-04	143.40	143.40	0.00		0.00	1823.99	north-west
GW111326	Monitoring	15-04-04	83.00	83.00	0.00		0.00	1862.68	north-west
GW114335	Monitoring	28-06-11	5.80	5.80	0.00		0.00	1942.56	north-west
GW114336	Monitoring	27-06-11	3.00	3.00	0.00		0.00	1989.67	north-west



Groundwater Bore ID	Authorised Purpose	Completion Date	Drilled Depth (m)	Final Depth (m)	SWL (m)	Salinity	Yield (L/s)	Distance (m)	Direction
GW114337	Monitoring	27-06-11	4.00	4.00	0.00		0.00	1989.71	north-west
GW114338	Monitoring	27-06-11	4.00	4.00	0.00		0.00	1994.69	north-west
GW110525	Monitoring	27-04-09	11.70	11.70	6.40		0.00	1996.36	north

Table 2.1.2. Groundwater Bore Driller Lithology Details

			illiology Del			
Groundwater Bore ID	From Depth (m)	To Depth (m)	Lithology	Description	Distance (m)	Direction
GW028816	0.00	1.82	TPSL	Topsoil sandy	1008.18	north
GW028816	1.82	5.48	SAND	Sand grey	1008.18	north
GW028816	5.48	12.80	SAND	Sand white grey	1008.18	north
GW028816	12.80	19.20	SAND	Sand white yellow	1008.18	north
GW028816	19.20	21.03	SAND	Sand white	1008.18	north
GW028816	21.03	21.42	SAND	Sand white clayey	1008.18	north
GW069143	0.00	2.50	<null></null>	Silty sand	1107.61	south-east
GW069143	2.50	19.00	<null></null>	Sandstone grey with seams of shale	1107.61	south-east
GW069143	19.00	95.00	<null></null>	White sandstone with bands of shale	1107.61	south-east
GW100005	0.00	4.80	<null></null>	Sand	1114.59	south-east
GW100005	4.80	14.00	<null></null>	Soft sandstone	1114.59	south-east
GW100005	14.00	24.00	<null></null>	Sadstone with shale bands	1114.59	south-east
GW100005	24.00	147.00	<null></null>	White sandstone	1114.59	south-east
GW100005	147.00	150.00	<null></null>	Shale	1114.59	south-east
GW100005	150.00	153.00	<null></null>	White sandstone	1114.59	south-east
GW100005	153.00	158.00	<null></null>	Shale	1114.59	south-east
GW100005	158.00	163.00	<null></null>	White sandstone	1114.59	south-east
GW100005	163.00	244.00	<null></null>	Shale	1114.59	south-east
GW100005	244.00	246.00	<null></null>	Bald hill clay	1114.59	south-east
GW100016	0.00	2.80	<null></null>	Sand/loam	1203.00	north-east
GW100016	2.80	5.10	<null></null>	Grey f/grain sandstone	1203.00	north-east
GW100016	5.10	6.00	<null></null>	Red f/grain s/stone	1203.00	north-east
GW100016	6.00	7.20	<null></null>	L/grey f/grain sandstone	1203.00	north-east
GW100016	7.20	18.90	<null></null>	L/grey s/stone clay matrix	1203.00	north-east
GW100016	18.90	51.00	<null></null>	Grey med. grain sandstone	1203.00	north-east
GW100016	51.00	58.00	<null></null>	L/grey m/grain s/stone	1203.00	north-east
GW100016	58.00	62.50	<null></null>	L/grain c/grain s/s quartz matrix	1203.00	north-east
GW100016	62.50	63.20	<null></null>	D/grey shale	1203.00	north-east
GW100016	63.20	66.90	<null></null>	Dark/grey f/grain s/stone	1203.00	north-east
GW100016	66.90	71.50	<null></null>	L/grey med grain s/stone	1203.00	north-east
GW100016	71.50	81.50	<null></null>	L/grey m/grain cemented s/stone	1203.00	north-east
GW100016	81.50	82.60	<null></null>	D/grey, shale	1203.00	north-east
GW100016	82.60	96.00	<null></null>	L/g med. grain cemented s/stone	1203.00	north-east
GW100016	96.00	98.70	<null></null>	L/grey m/grain cemented s/s	1203.00	north-east
GW100016	98.70	123.40	<null></null>	L/g m/grain cemented s/stone	1203.00	north-east
GW100016	123.40	128.60	<null></null>	L/grey m/grain s/stone	1203.00	north-east



GW100016	100 60	120.00	- Mulls	I /a mad grain a /atana	1002.00	north cost
GW100016 GW100016	128.60 138.20	138.20 139.70	<null></null>	L/g med grain s/stone	1203.00 1203.00	north-east
				D/grey f/grain s/stone		
GW100016	139.70	150.50	<null></null>	L/grey m/grain s/stone	1203.00	north-east
GW105111	0.00	4.00	SAND	Sand	1268.52	north-east
GW103837	0.00	6.00	SAND	Sand	1319.76	north-east
GW109705	0.00	0.10	SDLC	Sand med, grey brown coloured	1321.78	north-west
GW109705	0.10	0.20	FILL	Fill, basalt fragments	1321.78	north-west
GW109705	0.20	2.20	SAND	Sand,grey,beige	1321.78	north-west
GW109705	2.20	2.40	CRBN	Carbonaceous material white grey	1321.78	north-west
GW109705	2.40	14.20	SDLC	Sand and carbonaceous material white, grey	1321.78	north-west
GW109705	14.20	18.20	SDLC	Sand and carbonaceous material white, grey	1321.78	north-west
GW109705	18.20	22.00	SDSN	Sandstone, white grey sand sized grains	1321.78	north-west
GW109705	22.00	22.20	SDSN	Sandstone and carbonaceous material	1321.78	north-west
GW109705	22.20	26.30	SDSN	Sandstone and carbonaceous material,60%sandstone	1321.78	north-west
GW109705	26.30	32.00	SDSN	Sandstone and carbonaceous material 70%sandtone	1321.78	north-west
GW109705	32.00	34.10	SDSN	Sandstone and carbonaceous material as above	1321.78	north-west
GW109705	34.10	34.30	HMTT	Hard sandstone	1321.78	north-west
GW109705	34.30	39.90	SDSN	Sandstone	1321.78	north-west
GW109705	39.90	48.00	HMTT	Hard sandstone fine grey	1321.78	north-west
GW109705	48.00	49.10	HMTT	Hard sandstone	1321.78	north-west
GW109705	49.10	51.10	SDSN	Sandstone/ fine grained sand	1321.78	north-west
GW109705	51.10	52.50	SDSN	Sandstone/ fine grained sand	1321.78	north-west
GW109705	52.50	55.10	SDSN	Sandstone.silt and sand/small pebbles	1321.78	north-west
GW109705	55.10	59.90	SDSN	Sandstone, small rock chips	1321.78	north-west
GW109705	59.90	69.00	SDSN	Sandstone mostly sand sized	1321.78	north-west
GW109705	69.00	70.00	SHLE	Shale and sandstone	1321.78	north-west
GW109705	70.00	71.00	SHLE	Shale	1321.78	north-west
GW109705	71.00	72.00	SDSN	Sandstone	1321.78	north-west
GW109705	72.00	73.00	SHLE	Shale	1321.78	north-west
GW109705	73.00	80.00	SDSN	Sandstone	1321.78	north-west
GW109705	80.00	80.10	SDSN	Sandstone,pale grey	1321.78	north-west
GW109705	80.10	87.10	SDSN	Sandstone,pale grey sand grains	1321.78	north-west
GW109705	87.10	88.00	SHLE	Shale and sandstone	1321.78	north-west
GW109705	88.00	89.00	SDSN	Sandstone	1321.78	north-west
GW109705	89.00	90.00	SHLE	Shale and sandstone	1321.78	north-west
GW109705	90.00	102.00	SDSN	Sandstone, sand grains and chips	1321.78	north-west
GW109705	102.00	110.00	SHLE	Shale and sandstone	1321.78	north-west
GW109705	110.00	113.00	SHLE	Shale,silt sized,dark grey	1321.78	north-west
GW109705	113.00	118.00	SDSN	Sandstone	1321.78	north-west
GW109705	118.00	120.00	SHLE	Shale	1321.78	north-west
GW109705	120.00	126.00	SHLE	Shale and sandstone	1321.78	north-west
GW109705	126.00	134.00	SDSN	Sandstone,sands grainds with black flecks	1321.78	north-west
GW109705	134.00	139.00	SHLE	Shale and sandstone	1321.78	north-west
GW109705	139.00	145.00	SDSN	Sandstone mostly sand sized grains	1321.78	north-west
GW109705	145.00	150.00	SDSN	Sandstone	1321.78	north-west
GW109705	150.00	153.00	SDSN	Sandstone, silt and sand sized grains	1321.78	north-west
GW109705	153.00	156.00	SHLE	Shale, fragments from sand sized to 10mm	1321.78	north-west
GW109705	156.00	159.00	SDSN	Sandstone	1321.78	north-west
GW 103703	130.00	103.00	SDSN	อสเนรเบาช	1021.70	HOLLII-WEST



GW109705	159.00	161.00	SHLE	Shale and sandstone	1321.78	north-west
GW109705	161.00	163.20	SHLE	Shale, silt sized grains to fragments up to 15mm	1321.78	north-west
GW109706	0.00	0.10	SAND	Sand	1322.81	north-west
GW109706	0.10	0.20	FILL	Fill,basalt fragments	1322.81	north-west
GW109706	0.20	3.00	SAND	Sand,grey,beige	1322.81	north-west
GW109706	3.00	5.00	CRBN	Carbonaceous material,dark brown	1322.81	north-west
GW109706	5.00	7.50	SDLC	Sand and carbonaceous material	1322.81	north-west
GW109706	7.50	9.50	SDLC	Sand and carbonaceous material, white grey	1322.81	north-west
GW109706	9.50	13.00	CRBN	Carbonaceous material, soft to hard	1322.81	north-west
GW109706	13.00	18.00	CRBN	Carbonaceous material, clay and shells	1322.81	north-west
GW109706	18.00	19.00	CLSD	Clayey sand with shells	1322.81	north-west
GW109706	19.00	20.00	SAND	Sand	1322.81	north-west
GW109706	20.00	21.00	CRBN	Carbonaceous material, sand and clay	1322.81	north-west
GW109706	21.00	24.00	CRBN	Carbonaceous materialsand, shells and clay	1322.81	north-west
GW109706	24.00	26.00	BSLT	Black clay	1322.81	north-west
GW109706	26.00	28.80	CRBN	Carbonaceous materialsand, shells and clay	1322.81	north-west
GW109706	28.80	29.30	CRBN	Carbonaceous materialsand, shells and clay	1322.81	north-west
GW109706	29.30	33.00	SDCY	Sandy clay	1322.81	north-west
GW109706	33.00	34.30	<null></null>	Weathered sandstone	1322.81	north-west
GW109706	34.30	35.30	<null></null>	Weathered sandstone, fine sand grains	1322.81	north-west
GW109706	35.30	39.90	<null></null>	Weathered sandstone coarse	1322.81	north-west
GW109706	39.90	41.00	SDSN	Sandstone coarse sand grains	1322.81	north-west
GW109706	41.00	42.00	SDSN	Sandstone coarse sand grains	1322.81	north-west
GW109706	42.00	44.00	SDSN	Sandstone black particles	1322.81	north-west
GW109706	44.00	46.20	SDSN	Sandstone sand sized and grain	1322.81	north-west
GW109706	46.20	53.20	SDSN	Sandstone,soft pale to mid grey	1322.81	north-west
GW108724	0.00	4.88	SAND	Sand	1348.82	north-east
GW108260	0.00	5.00	SAND	Sand	1445.31	north-east
GW108260	5.00	36.00	SDSN	Sandstone, fine	1445.31	north-east
GW108260	36.00	48.00	SHLE	Shale	1445.31	north-east
GW108260	48.00	82.00	SDSN	Sandstone,	1445.31	north-east
GW108260	82.00	90.00	SHLE	Shale	1445.31	north-east
GW108260	90.00	140.00	SDSN	Sandstone,	1445.31	north-east
GW108260	140.00	199.00	SLSN	Siltstone	1445.31	north-east
GW028573	0.00	2.26	CLAY	Clay sandy made ground	1570.01	north-east
GW028573	2.26	12.80	SAND	Sand white clean water supply	1570.01	north-east
GW028573	12.80	13.10	SDSN	Sandstone very soft weathered	1570.01	north-east
GW111793	0.00	2.00	Soil	SOIL,LIGHT BROWN	1602.79	north-east
GW111793	2.00	4.00	Sandstone	SANDSTONE RED	1602.79	north-east
GW111793	4.00	47.00	Sandstone	SANDSTONE, MEDIUM GRAIN	1602.79	north-east
GW111793	47.00	54.00	Shale	SHALE	1602.79	north-east
GW111793	54.00	140.00	Sandstone	SANDSTONE,M/GRAIN W/SHALE 77-81	1602.79	north-east
GW111793	140.00	200.00	Siltstone	SILTSTONE INTERBEDDED, SHALE L/GREY	1602.79	north-east
GW110526	0.00	1.20	FILL	Fill	1652.66	north
GW110526	1.20	1.90	SAND	Sand,loose,grey	1652.66	north
GW110526	1.90	2.00	ROCK	Cemented rock	1652.66	north
GW111327	0.00	1.50	SCBN	Sand clean	1729.91	north-west
GW111327	1.50	2.00	SDSN	Sandstone fill,large	1729.91	north-west
GW111327	2.00	11.00	SAND	Sand,clean	1729.91	north-west
GW111327	11.00	12.00	SCBN	Sand and carbonaceous material	1729.91	north-west



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GW111327	12.00	16.00	SCBN	Sand and carbonaceous material, shell fragments	1729.91	north-west
GW111327	16.00	21.00	SAND	Sand,light brown,shell frags. and pebbles	1729.91	north-west
GW111327	21.00	22.00	SAND	Sand, clean silver quartz sand	1729.91	north-west
GW111327	22.00	24.00	SCBN	Sand and carbonaceous material, shell frags.	1729.91	north-west
GW111327	24.00	29.00	SCBN	Sand and carbonaceous material, silty from 26m	1729.91	north-west
GW111327	29.00	32.00	SAND	Sand, medium to coarse sand	1729.91	north-west
GW111327	32.00	34.00	SAND	Sand, medium to coarse sand, silty from 33m	1729.91	north-west
GW111327	34.00	36.00	SCBN	Sand and carbonaceous material	1729.91	north-west
GW111327	36.00	41.00	SAND	Sand, shell fragments	1729.91	north-west
GW111327	41.00	44.00	SAND	Sand,clean quartz,	1729.91	north-west
GW111327	44.00	49.00	SDSN	Sandstone clean sand,1-3mm	1729.91	north-west
GW111327	49.00	49.00	COAL	Commence coring at 49 m	1729.91	north-west
GW111327	49.00	66.10	SDSN	Sandstone	1729.91	north-west
GW111327	66.10	67.00	SHLE	Shale, fine grained, dark grey	1729.91	north-west
GW111327	67.00	84.70	SDSN	Sandstone	1729.91	north-west
GW111327	84.70	85.10	SDSN	Sandstone medium to coarse	1729.91	north-west
GW111327	85.10	86.20	SHLE	Shale,fine grained,dark grey	1729.91	north-west
GW111327	86.20	90.40	SDSN	Sandstone fine to medium grained	1729.91	north-west
GW111327	90.40	105.40	SHLE	Shale,fine grained,dark grey	1729.91	north-west
GW111327	105.40	123.30	SDSN	Sandstone medium to coarse,pale grey	1729.91	north-west
GW111327	123.30	124.20	SHLE	Shale dark grey, with pale grey sandstone	1729.91	north-west
GW111327	124.20	125.30	SDSN	Sandstone fine grained,pale grey	1729.91	north-west
GW111327	125.30	125.40	SHLE	Shale fine grained,dark grey	1729.91	north-west
GW111327	125.40	160.20	SDSN	Sandstone, fine to medium, grained pale	1729.91	north-west
				grey,quartz		
GW108799	0.00	3.20	FILL	Fill	1731.87	north
GW108799	3.20	3.70	SDSN	Sandstone	1731.87	north
GW108798	0.00	0.34	<null></null>	Made ground	1739.51	north
GW108798	0.34	0.50	FILL	Fill	1739.51	north
GW108798	0.50	0.60	SDSN	Sandstone	1739.51	north
GW108797	0.00	0.27	<null></null>	Floor slab	1749.39	north
GW108797	0.27	1.60	<null></null>	Made ground	1749.39	north
GW108797	1.60	2.80	SAND	Sand	1749.39	north
GW108797	2.80	6.00	SDSN	Bed rock ,sandstone	1749.39	north
GW111328	0.00	11.00	SCBN	Sand clean	1766.61	north-west
GW111328	11.00	14.00	SCBN	Sand and carbonaceous material	1766.61	north-west
GW111328	14.00	17.00	SCBN	Sand and carbonaceous material fine to medium grained	1766.61	north-west
GW111328	17.00	21.00	SAND	Sand, quartz fine to medium grained	1766.61	north-west
GW111328	21.00	24.00	SCBN	Sand fine quartz , minor shell frags.	1766.61	north-west
GW111328	24.00	26.00	SCBN	Sand and carbonaceous material,no shell frags	1766.61	north-west
GW111328	26.00	28.00	SAND	Sand, fine to medium, grained quartz	1766.61	north-west
GW111328	28.00	41.00	SCBN	Sand and carbonaceous material	1766.61	north-west
GW111328	41.00	44.00	SCBN	Sand medium to coarse quartz	1766.61	north-west
GW111328	44.00	49.00	SDSN	Sandstone grey and orange	1766.61	north-west
GW111328	49.00	49.00	COAL	Commence coring at 49m	1766.61	north-west
GW111328	49.00	51.10	SDSN	Sandstone fine to medium grained, grey	1766.61	north-west
GW111328	51.10	85.00	SDSN	Sandstone fine to coarse grained, grey	1766.61	north-west
GW111328	85.00	86.00	SDSN	Sandstone fine to coarse, grained, grey, gravel	1766.61	north-west
GW111325	0.00	0.13	TPSL	Topsoil,dark brown	1823.99	north-west
GTT 1 1020	0.00	0.10	II OL	1 opoon, dank brown	1020.00	1101111 11001



0.001111000	0.40	0.00	TDOL	Tanaall and bussins	1000 00	الموديد والمدود
GW111325	0.13 0.36	0.36	TPSL FILL	Topsoil red brown	1823.99	north-west
GW111325		1.20		Fill, sandstone	1823.99	
GW111325	1.20	1.80	FILL	Fill,crushed sandstone	1823.99	north-west
GW111325	1.80	2.20	CLLM	Clay sandy,gravelly	1823.99	north-west
GW111325	2.20	4.90	SAND	Sand,orange,minor clay	1823.99	north-west
GW111325	4.90	7.00	CBSD	Carbonaceous material,minor sand	1823.99	north-west
GW111325	7.00	8.40	SCBN	Sand medium grained	1823.99	north-west
GW111325	8.40	9.40	SCBN	Sand and carbonaceous material	1823.99	north-west
GW111325	9.40	9.70	SAND	Sand, pale grey	1823.99	north-west
GW111325	9.70	10.40	SCBN	Sand and carbonaceous material	1823.99	north-west
GW111325	10.40	12.40	SCBN	Sand and carbonaceous material, fine grained	1823.99	north-west
GW111325	12.40	13.40	SCBN	Sand medium to fine grained	1823.99	north-west
GW111325	13.40	22.40	SCBN	Sand and carbonaceous material	1823.99	north-west
GW111325	22.40	26.80	SCBN	Sand and carbonaceous material, less shells	1823.99	north-west
GW111325	26.80	32.42	SDSN	Sandstone	1823.99	north-west
GW111325	32.42	56.00	SDSN	Sandstone, fine to coarse grained	1823.99	north-west
GW111325	56.00	56.20	SDSN	Interbedded sandstone and siltstone	1823.99	north-west
GW111325	56.20	60.00	SHLE	Shale,dark grey	1823.99	north-west
GW111325	60.00	66.00	SDSN	Sandstone fine to medium grained	1823.99	north-west
GW111325	66.00	68.20	SDSN	Sandstone fine to medium grained, grey	1823.99	north-west
GW111325	68.20	69.00	SHLE	Shale,dark grey	1823.99	north-west
GW111325	69.00	70.00	SDSN	Sandstone, fine medium grained, grey	1823.99	north-west
GW111325	70.00	75.00	SDSN	Sandstone fine to coarse grained	1823.99	north-west
GW111325	75.00	78.40	SDSN	Sandstone fine to medium grained, grey banded	1823.99	north-west
GW111325	78.40	79.20	SDSN	Sandstone fine grained, grey banded	1823.99	north-west
GW111325	79.20	81.20	SDSN	Sandstone light grey	1823.99	north-west
GW111325	81.20	103.00	SDSN	Sandstone fine to medium grained light grey	1823.99	north-west
GW111325	103.00	112.50	SHLE	Shale,dark grey thinly laminated	1823.99	north-west
GW111325	112.50	120.10	SDSN	Sandstone interbedded and siltstone	1823.99	north-west
GW111325	120.10	121.00	SDSN	Sandstone fine to coarse grained	1823.99	north-west
GW111325	121.00	121.20	SDSN	Sandstone interbedded and siltstone	1823.99	north-west
GW111325	121.20	123.50	SHLE	Shale dark grey	1823.99	north-west
GW111325	123.50	143.40	SDSN	Sandstone, medim to coarse grained, gravel	1823.99	north-west
GW111326	0.00	7.00	FILL	Fill	1862.68	north-west
GW111326	7.00	8.00	SAND	Sand,clean quartz medium brown	1862.68	north-west
GW111326	8.00	9.00	SAND	Sand m/brown 0.5-1mm	1862.68	north-west
GW111326	9.00	12.00	SCBN	Sand and carbonaceous material	1862.68	north-west
GW111326	12.00	13.00	SCBN	Sand and carbonaceous material, wood fragments	1862.68	north-west
GW111326	13.00	16.00	SCBN	Sand and carbonaceous material, shell frags.	1862.68	north-west
GW111326	16.00	20.00	SCBN	Sand dark brown	1862.68	north-west
GW111326	20.00	21.00	SCBN	Sand and carbonaceous material	1862.68	north-west
GW111326	21.00	22.00	SAND	Sand, medium brown	1862.68	north-west
GW111326	22.00	23.00	SCBN	Sand light brown	1862.68	north-west
GW111326	23.00	27.50	SCBN	Sand light brown, shell fragments	1862.68	north-west
GW111326	27.50	32.50	SDSN	Sandstone	1862.68	north-west
GW111326	32.50	36.20	SDSN	Sandstone, fine to coarse grained	1862.68	north-west
GW111326	36.20	37.50	SDSN	Sandstone orange brown,massive	1862.68	north-west
GW111326	37.50	48.00	SDSN	Sandstone, fine to coarse grained, orange brown	1862.68	north-west
GW111326	48.00	53.20	SDSN	Sandstone, fine to coarse	1862.68	north-west
GW111326	53.20	53.40	SDSN	Sandstone fine to medium	1862.68	north-west



GW111326	53.40	55.30	SDSN	Sandstone fine to coarse	1862.68	north-west
GW111326	55.30	55.40	SHLE	Shale,fine grained,black	1862.68	north-west
GW111326	55.40	59.50	SDSN	Sandstone, fine to medium	1862.68	north-west
GW111326	59.50	60.00	SHLE	Shale, fine to grained, black	1862.68	north-west
GW111326	60.00	62.50	SDSN	Sandstone, fine to medium grained, grey	1862.68	north-west
GW111326	62.50	68.10	SDSN	Sandstone, fine to medium grained, grey	1862.68	north-west
GW111326	68.10	69.10	SDSN	Sandstone interbedded with shale	1862.68	north-west
GW111326	69.10	76.00	SDSN	Sandsdtone,fine grained,grey,some shale	1862.68	north-west
GW111326	76.00	81.50	SDSN	Sandstone fine to medium grained, grey	1862.68	north-west
GW111326	81.50	83.00	SDSN	Sandstone, fine to medium grained, grey, massive	1862.68	north-west
GW110525	0.00	1.20	FILL	Fill	1996.36	north
GW110525	1.20	9.50	SAND	Sand	1996.36	north
GW110525	9.50	10.00	ROCK	Rock	1996.36	north
GW110525	10.00	11.70	SDLC	Sand medium	1996.36	north

2.2 HYDROGEOLOGY AND OTHER BOREHOLES

Map 5b (500m Buffer)

	On the Property?	Within Buffer?
Groundwater Vulnerability	Not identified	Not identified
Groundwater Exclusion Zones ^{1,2}	Not identified	Not identified
Hydrogeologic Unit	Late Permian/Triassic sediments (porous media - consolidated)	Late Permian/Triassic sediments (porous media - consolidated) Mesozoic Sediment Aquifer (porous media - consolidated) Surficial Sediment Aquifer (porous media - unconsolidated)
Other known borehole investigations	Not identified	Not identified

¹ - Botany Groundwater Management Zones (BGMZ): Zone 1 – the use of groundwater remains banned; Zones 2 to 4 – domestic groundwater use is banned, especially for drinking water, watering gardens, washing windows and cars, bathing, or to fill swimming pools.

Groundwater Dependent Ecosystems

Site	On the Property?	Within Buffer?
Ecosystems that rely on the Surface expression of Groundwater	Not identified	Not identified
Ecosystems that rely on Subsurface presence of Groundwater	Not identified	Not identified

Table 2.2.1. Other known borehole investigations (Coal Seam Gas (CSG), Petroleum Wells and Other Boreholes) (500m buffer)

Borehole ID	Purpose	Project	Client/License	Date Drilled	Depth (m)	Distance (m)	Direction
Not identified	-	-	-	-	1	-	-



² - Williamtown Groundwater Management Zones (WGMZ): Primary Management Zone – this area has significantly higher levels of PFAS detected and therefore, the strongest advice applies. Secondary Management Zone – this area has some detected levels of PFAS; Broader Management Zone – the topography and hydrology of the area means PFAS detections could occur now and into the future.

Section 3 – Environmental Registers, Licences and Incidents

3.1 CONTAMINATED LAND PUBLIC REGISTER

Map 6 (1000m Buffer)

Contaminated Land Record of Notices

Site Name ²	Area nº	Address ¹	Notices	Distance (m)	Direction
Not identified	-	-	-	-	-

^{1.} Some addresses do not contain specific street numbers. Records identified as being in the surrounding area have been added for information.

Sites Notified as Contaminated to the EPA

Site Name ²	Address ¹	Activity that caused Contamination	EPA Site Management Class ³	Distance (m)	Direction
Not identified	-	-	-	-	-

^{1.} Some addresses do not contain specific street numbers. Records identified as being in the surrounding area have been added for information.

Table 3.3.1. EPA Site Management Class Explanation

	EDA CIL M
	EPA Site Management Class
Under Assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.
Regulation under the CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required.
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised.
Contamination currently regulated under the CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record.
Contamination currently regulated under the POEO Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register.
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).



^{2.} Former NSW EPA sites. These sites have been removed from the Record of Notices and/or the Sites Notified lists and are kept here for information purposes only.

^{2.} Former NSW EPA sites. These sites have been removed from the Record of Notices and/or the Sites Notified lists and are kept here for information purposes only.

^{3.} The EPA maintains a record of sites that have been notified to the EPA by owners or occupiers as contaminated land. The sites notified to the EPA and recorded on the register are at various stages of the assessment and/or remediation process. Table 5 outlines the possible management status that can be attributed to a registered contaminated site.

EPA Site Management Class				
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).			
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record.			

3.2 POTENTIALLY CONTAMINATED AREAS

Map 6 (1000m Buffer)

Defence Sites

Site name	RCIP*	Description	Source	Distance (m)	Direction
Bare Island	-	Bare Island is a heritage-listed islet military fort located in La Perouse NSW. The Island contains former fortification facilities, it was a former war veterans' home and museum. It was built from 1881 to 1889, the fort was armed with a few pounder guns, a gun in an armoured casemate, and two five-barreled Nordenfelt guns. In the early 1900s the fort was decommissioned and soon after it became the first war veterans' home in Australia. It was notified as a Reserve for Public Recreation in 1965.	Various	153	South- west

^{*}RCIP (Regional Contamination Investigation Program)

Former Gasworks Sites

Site name	Description	Source	Distance (m) *	Direction
Not identified	-	-	1	-

PFAS Sites

Site name	Description	Source	Distance (m) *	Direction
Botany Bay Area	The number of potential sources of PFAS in the area makes it difficult to attribute detections in Botany Bay to individual sources. PFAS was detected in sediment, surface and groundwater. Fishing restrictions were introduced at the end of 2017 for Botany Bay Area. None of the contamination readings from Botany Bay have been released.	State-wide PFAS investigation program	0	onsite

^{*2}km search. If the site is not within 1km buffer, it will not be shown on the map.



Licences

EPL Number	Licence holder	Location Name	Premise Address¹	Fee Based Activity	Distance (m)	Direction
Not identified	-		-	-	-	

^{1.} Some sites do not contain specific addresses. Records identified as being in the surrounding area have been added for information.

Surrendered Licences still Regulated by EPA

Licence Nº	Licence holder	Location Name	Premise Address ¹	Fee Based Activity	Status	Distance (m)	Direction
6251	STATE OF NEW SOUTH WALES (OFFICE OF ENVIRONMENT AND HERITAGE)	HAPPY VALLEY IN BOTANY BAY NATIONAL PARK	ANZAC PARADE , LA PEROUSE, NSW 2036	Miscellaneous licensed discharge to waters (at any time)	Surrender ed	23	North-east
13074	AUSGRID	Botany Bay Cable Project Dredging	Botany Bay Shipping Channel, BOTANY, NSW 2019	Water-based extractive activity	Surrender ed	Not mapped	onsite
13112	AUSGRID	Botany Bay Cable Project HDD	Botany Bay, La Perouse Headland, BOTANY, NSW, 2019	Other activities Miscellaneous licensed discharge to waters (at any time)	Surrender ed	Not mapped	onsite

^{1.} Some sites do not contain specific addresses. Records identified as being in the surrounding area have been added for information.

Clean Up and Penalty Notices

Location ID	Notice Nº	Notice Type	Licence holder	Location Name	Premise Address ¹	Distance (m)	Direction
-	Not identified	-	-	-	-	-	-

^{1.} Some sites do not contain specific addresses. Records identified as being in the surrounding area have been added for information.

3.4 NATIONAL POLLUTANT INVENTORY (NPI)

Map 7 (500m Buffer)

Facility name	Address	Primary ANZSIC Class	Latest report	Distance (m)	Direction
Not identified	-		-	-	-

3.5 PUBLIC REGISTER OF PROPERTIES AFFECTED BY LOOSE-FILL ASBESTOS INSULATION

Map 7 (onsite)

Address	Match Found
Not identified	-



Section 4 – Other Potentially Contaminating Activities

4.1 POTENTIALLY CONTAMINATING ACTIVITIES

Map 8a (500m Buffer)

Cattle Dip Sites

Site name	Location	Status*	Distance (m)	Direction
Not identified	-	-	-	-

Dry Cleaners

Site name	Location	Status*	Distance (m)	Direction
Not identified	-	-	-	-

Fire Rescue Sites

Site name	Location	Status [*]	Distance (m)	Direction
Not identified	-	-	1	-

Gas Terminals

Site name	Operator	Location	Status*	Distance (m)	Direction
Not identified	-		-		-

Liquid Fuel Depots/Terminals

Site name	Owner	Location	Status*	Distance (m)	Direction
Not identified	-	-	-		-

Mines and Quarries

Deposit Name	Method	Description	Status*	Distance (m)	Direction
Not identified	-		-	-	-

Petrol Stations

Site name	Owner	Location	Status [*]	Distance (m)	Direction
Not identified	-	-	-	ı	-



Power Stations

Site name	Owner	Location	Status*	Distance (m)	Direction
Not identified	-	-	-		

Substation / Switching Stations

Site name	Owner	Location	Status*	Distance (m)	Direction
Not identified	-	-	-	1	-

Telephone Exchanges

Site name	Location	Status*	Distance (m)	Direction
Not identified	-	-	-	-

Waste Management Facilities

Site name	Owner	Class	Status*	Distance (m)	Direction
Not identified	-	-	-	-	-

Wastewater Treatment Facilities

Site name	Operator	Class	Status [*]	Distance (m)	Direction
Not identified	-	•	-	-	-

*Status:

Data is current as when this report was created. However due to the turnover of business locations, some addresses may be former.

Current: business that are operational on the day this report was issued.

Former: business that have been closed or discontinued 1 to 2 years from the day this report was issued. All former sites older than 2 years will be reported in the 'Historical commercial and trade data' section in this report.



4.2 CURRENT COMMERCIAL AND TRADE DATA

Map 8b (200m Buffer)

Current Commercial and Trade Data

Site name ¹	Category	Location	Status ²	Distance (m)	Direction
Not identified	-		-		

¹ Data includes categories associated with potentially contaminating activities. All negligible risk data is not reported.

Current: business that are operational on the day this report was issued.

Former: business that have been closed or discontinued 1 to 2 years from the day this report was issued. All former sites older than 2 years will be reported in the historical business section in this report.

Tanks (AST/UST)

ID	Tank type	Description	Status	Distance (m)	Direction
Not identified	-		-	-	-

Note: This is not an exhaustive list of all existing tanks.

4.3 FORMER POTENTIALLY CONTAMINATED LAND

Map 8c (500m Buffer)

Contaminated Legacy Areas

Site Name	Description	Source	Distance (m)	Direction
Not identified	-	-		

Note: This section includes known contaminated areas such as James Hardies Asbestos waste legacy areas, Pasminco Smelter and Uranium processing site.

Derelict Mines and Quarries

Site name	Method	Description	Source	Distance (m)	Direction
Frenchmans Bay (approx location)	pit(s)	Pit 63 in GS1974/432 shown on plan 7744. Both foundry sand and construction sand extracted	The Geological Survey of New South Wales	50	north

Historical Landfills

Site name	Description	Source	Distance (m)	Direction
Not identified	-		-	1

Unexploded Ordnance (UXO) Areas

Site name	Category	Description	Source	Distance (m)	Direction
Botany Bay	UXO Area: Other	This site was used for a Mortar Shoot during WWII.	Australian Government Department of Defence	33	South- east



² Status: Data is current as when this report was created. However due to the turnover of business locations, some addresses may be former.

4.4 HISTORICAL COMMERCIAL AND TRADE DATA

(not mapped)

1930 Historical Commercial & Trade Directory Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Not identified	-	-	-	-	-

1940 Historical Commercial & Trade Directory Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Boats & Launches - For Hire	Fisher C A M	La Perouse Sydney NSW Australia	suburb		onsite

1950 Historical Commercial & Trade Directory Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Boats & Launches - For Hire	Dorbie W	Aborigine Avenue (now Endeavour Avenue) La perouse NSW Australia	street	102	north- east
Boats & Launches - For Hire	Fisher C A M	La Perouse NSW Australia	suburb		onsite

1965 Historical Commercial & Trade Directory Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Electrical Contractors	Harvey D J	11 GoorawahlAv NSW La Perouse Australia	address	185	north- east
Boats & Launches For Hire	Fisher C A M	NSW La Perouse Australia	suburb		onsite
Boats & Launches For Hire	Dorbie W	AborigineAv NSW La Perouse Australia	suburb		onsite

1970 Historical Commercial & Trade Directory Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
BOAT, LAUNCH & YACHT BUILDERS &/OR REPAIRERS	Fisher Bros.,	On Beach, La Perouse NSW Australia	street		east
BOATS, LAUNCHES & YACHTSâ€"FOR HIRE	Fisher Bros.,	On Beach, La Perouse NSW Australia	street		east

1975 Historical Commercial & Trade Directory Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Not identified	-	-	-	-	-



1980 Historical Commercial & Trade Directory Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Boats - For Hire or Charter	First Fleet Marine Pty Ltd	1609 Anzac Parade La Perouse NSW Australia	address	0	onsite
Printing Engineers	Yates Arthur	15 Goorawah Avenue La Perouse NSW Australia	address	171	north- east
Boat Equipment	Hobson Marine	Cnr Anzac Parade and Goorawahl Avenue La Perouse NSW Australia	suburb		onsite

1990 Historical Commercial & Trade Directory Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Sailboarding Equipment & Supplies	Bird's Boatshed	1609 Anzac Parade La Perouse NSW Australia	address	0	onsite
Boat Charter Services	First Fleet Marine Pty Ltd	1609 Anazac Parade La Perouse NSW Australia	address	0	onsite
Boat Charter Services	La Perouse Sail Board Centre	1609 Anzac Parade La Perouse NSW Australia	address	0	onsite
Printing Engineers	Yates Arthur	15 Goorawahl Street La Perouse NSW Australia	address	171	north- east
Sailboarding Equipment & Supplies	Sea Leavel Sailboard Centre	43 Endeavour Avenue La Perouse NSW Australia	address	73	north- east

2005 Historical Commercial & Trade Directory Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Boat HireDrive Yourself	First Fleet Marine Pty Ltd	1609 Anzac Pde, LA PEROUSE,NSW 2036,Australia	address	0	onsite

2010 Historical Commercial & Trade Directory Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Boat & Yacht Haulage Services	La Perouse Sailboard Centre	1609 Anzac Pde LA PEROUSE 2036 NSW	address	0	onsite
Boat Charters	First Fleet Marine Pty Ltd	1609 Anzac Pde LA PEROUSE 2036 NSW	address	0	onsite
Pest Control Services	Hoo Roo Pest Control	14 Goorawahl Ave LA PEROUSE 2036 NSW	address	142	north

Historical data positional accuracy and georeferencing results explanation

Positional accuracy	Georeferenced	Description
Address	Located to the address level	When street address and names fully match.
Street	Located to the street centroid	When street names match but no exact address was found. Location is approximate.
Place	Located to the structure, building or complex	When building, residential complex or structure name match but no exact address was found. Location is approximate.
Suburb	Located to the suburb area	When suburb name match but no exact address was found. Location is approximate.
Not georeferenced	Not found	When it was not georeferenced, and address could not be found.



Land Insight and Resources use a number of different address georeferencing methods and characterised them according to the following criteria: completeness (match rates) and positional accuracy. When address do not contain specific street numbers or a match is not found, records identified as being in the surrounding areas are included for reference.



Section 5 - Other Environmental Constraints

5.1 FEDERAL, STATE AND LOCAL HERITAGE

Map 9 (200m Buffer)

Local Environment Plan (LEP) Heritage

Site ID	Site Name	Class	Significance	Distance (m)*	Direction
C5	Botany Bay (Botany Bay National Park, La Perouse Headland, Yarra & Frenchman's Bay)	Conservation Area - General	State	0	onsite
I166	Macquarie Watchtower	Item - General	Local	0	onsite
I167	Tomb of Pere le Receveur	Item - General	Local	0	onsite
I168	La Perouse Museum (former Cable Station)	Item - General	Local	0	onsite
I169	La Perouse Memorial	ltem - General	Local	0	onsite
I170	Jessie Stuart Broomfield Fountain	Item - General	Local	17	North-east
l173	1920s bungalow	Item - General	Local	64	North-east

National Heritage List (NHL)

Site ID	Site Name	Class	Status	Distance (m)	Direction
106162	Kamay Botany Bay: botanical collection sites	Historic	Listed place	0	onsite

Register of the National Estate (RNE)

Site ID	Site Name	Class	Status	Distance (m)	Direction
1736	La Perouse Memorial Group	Historic	Registered	0	onsite
1737	The Watch Tower	Historic	Registered	0	onsite
1765	La Perouse Monuments Historic Site	Historic	Registered	0	onsite
1734	Botany Bay Entrance	Historic	Indicative Place	17	North-east
1758	Bare Island Fort	Historic	Registered	153	South-west

Non-Aboriginal heritage item (Local)

Site I	D	Site Name	Class	Status	Distance (m)	Direction
1061	62	Kamay Botany Bay	Historic	Nominated place	0	onsite

Non-Aboriginal heritage item (SHR)*

Site ID	Site Name	Listing n ^o	Plan nº	Distance (m)	Direction
5061543	Kamay Botany Bay National Park and Towra Point Reserve	01918	2565	0	onsite
5045621	Bare Island Fort	00978	2490	153	South-west

^{*}State Heritage Register



Commonwealth Heritage List (CHL)

Site ID	Site Name	Class	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

World Heritage Area (WHA)

Site ID	Site Name	Inscribed	Status	Distance (m)	Direction
Not identified	-	-	-	-	-

5.2 NATURAL HAZARDS Map 10 (500m Buffer)

Bush Fire Prone Land (BLP)

Category	On the Property?	Within Buffer?
Not identified	-	-

Fire History

Category	On the Property?	Within Buffer?
Not identified	-	-

Flood Hazard

Category	On the Property?	Within Buffer?
Not identified	-	-

5.3 COASTAL MANAGEMENT (STATE ENVIRONMENTAL PLANNING POLICY)

Map 10 (500m Buffer)

Туре	On the Property?	Within Buffer?
Coastal Wetlands Proximity Area	-	-
Coastal Wetlands	-	-
Coastal Environment Area Map	Yes	Yes
Coastal Use Area Map	Yes	Yes









SUBJECT AREA AND SENSITIVE RECEPTORS







PLANNING CONTROLS





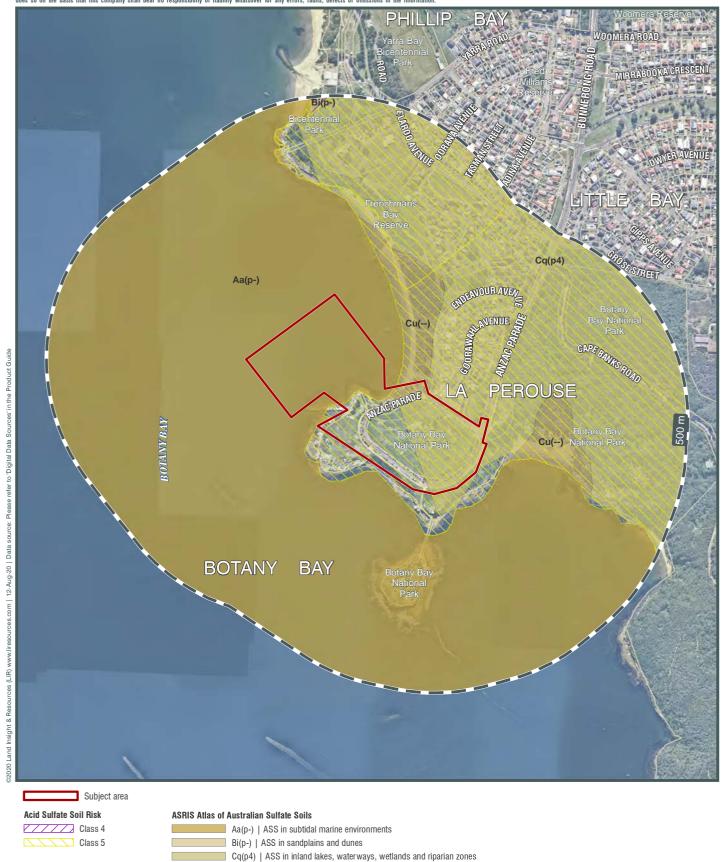


SOIL LANDSCAPES AND SALINITY



Broken Coffs Harbour
Hill NEW
SOUTH
WALES
SITE SYDNEY
CANBERRA
Tasman
Gambier

Melbourne
Gambier



ACID SULFATE SOILS





Cu(--) | unclassified



GEOLOGY AND TOPOGRAPHY







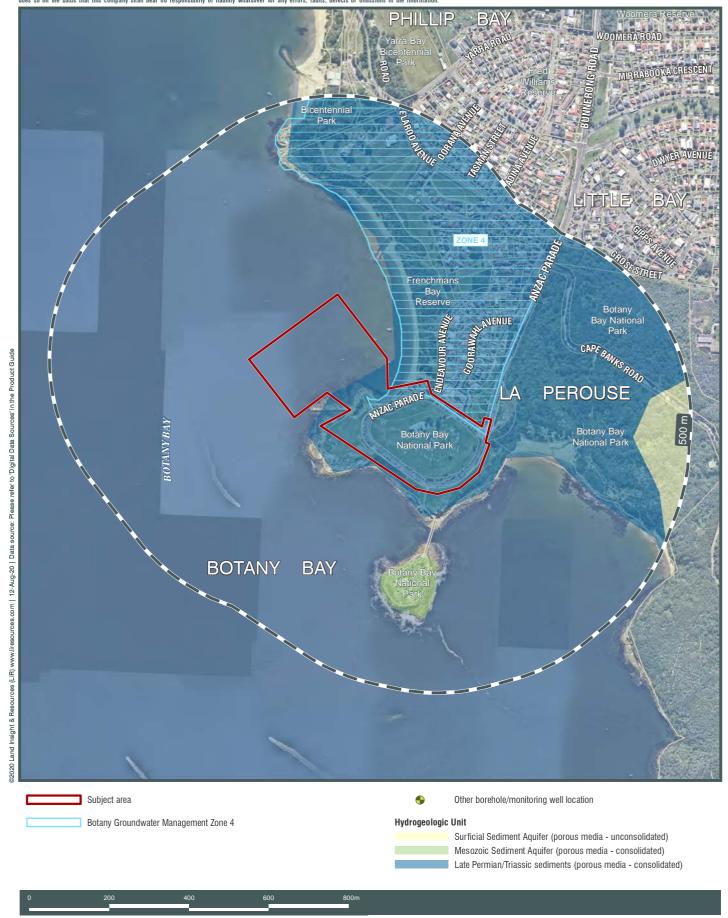


Groundwater bores

HYDROGEOLOGY AND GROUNDWATER BORES







HYDROGEOLOGY AND OTHER BOREHOLES



Broken Coffs Harbour
Hill NEW
SOUTH
WALES

Dubbo Newcastle
SITE SYDNEY
CANBERRA
Tasman
Gambier

Melbourne
Sea



Contaminated Land Register (EPA)

Current - Sites notified as contaminated Former - Sites notified as contaminated Contaminated Land Record of Notices

Potentially Contaminated Areas

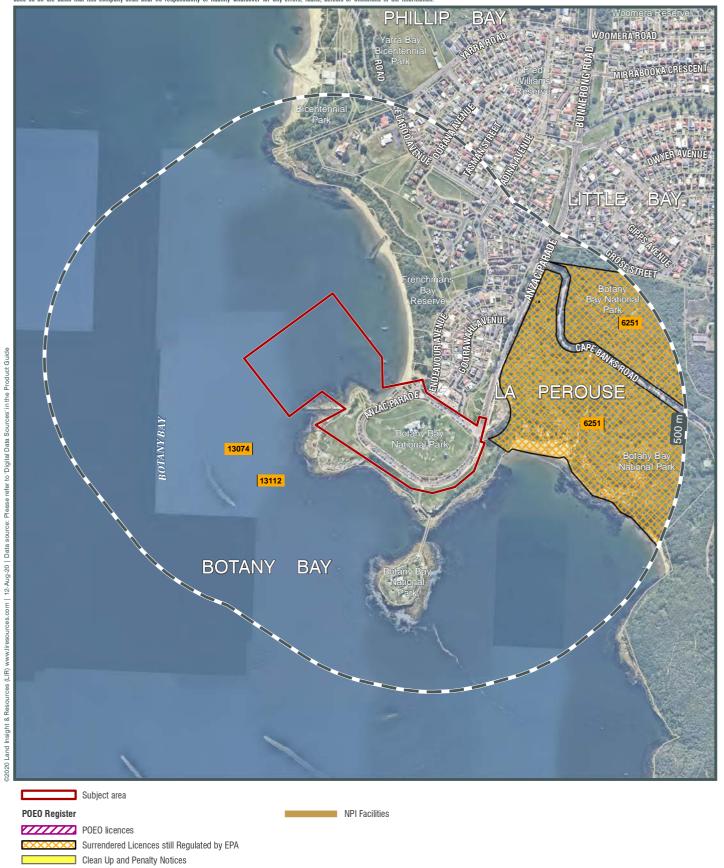


Former Gasworks Sites PFAS Sites

CONTAMINATED LAND REGISTER AND POTENTIALLY CONTAMINATED AREAS



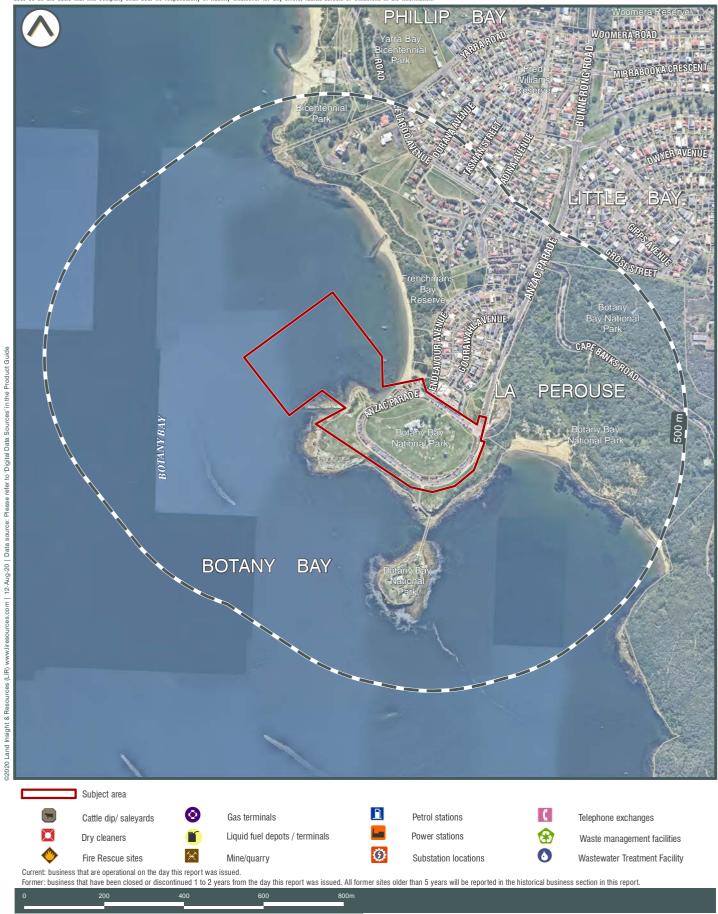




ENVIRONMENTAL REGISTER & LICENCES AND NPI FACILITIES







POTENTIALLY CONTAMINATING ACTIVITIES



MAP 8a

Broken
Hill NEW
SOUTH
WALES
SITE SYDNEY
CANBERRA
Mount
Gambier

MELBOURNE

Ballina

Coffs Harbour
Newcastle
SITE
SYDNEY
CANBERRA

Tasman
Sea



CURRENT COMMERCIAL AND TRADE DATA



Broken Coffs Harbour
Hill NEW
SOUTH Dubbo Newcastle
SITE SYDNEY
CANBERRA
Tasman
Gambier

Melbourne
Sea



Subject area

Contaminated Legacy Areas

Contaminated Legacy Areas Derelict Mines and Quarries Historical (Legacy) Landfills

Unexploded Ordnance (UXO) Areas

Defence Controlled Area

UXO Area: Substantial Occurence UXO Area: Slight Occurence

UXO Area: Other

FORMER POTENTIALLY CONTAMINATED LAND







HERITAGE



Broken Coffs Harbour •
Hill NEW • Dubbo Newcastle
SITE SYDNEY
• CANBERRA

Mount • MELBOURNE See



Fire History

Flood Hazard
Flood Prone Land (EPI)

Coastal Management

Coastal Environ

Coastal Environment Area Map
Coastal Use Area Map

NATURAL HAZARDS



Broken Coffs Harbour • Ballina

Hill NEW • Dubbo Newcastle

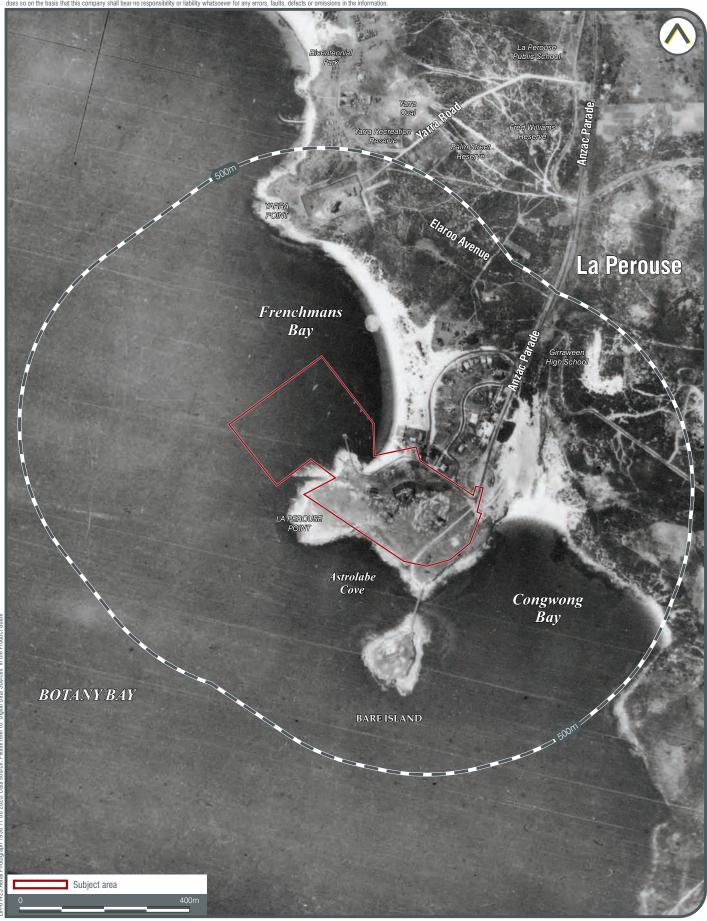
SITE SYDNEY
• CANBERRA

Mount • MELBOURNE

Sea

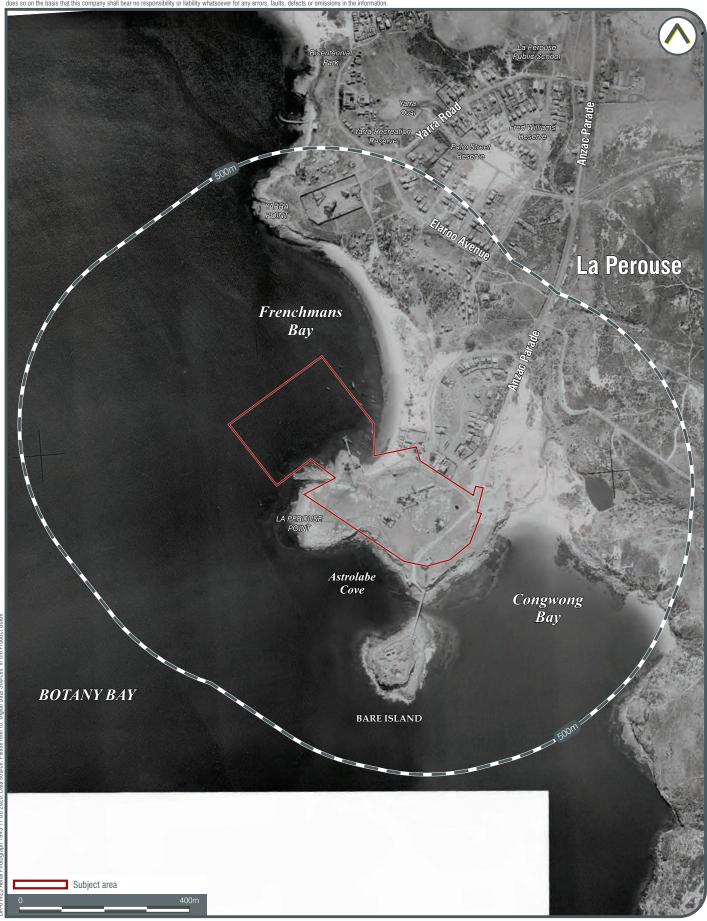
KAMAY WHARF PROJECT Preliminary Site Investigation – La	a Perouse Site	
APPENDIX C	HISTORICAL AERIAL IMAGER	(





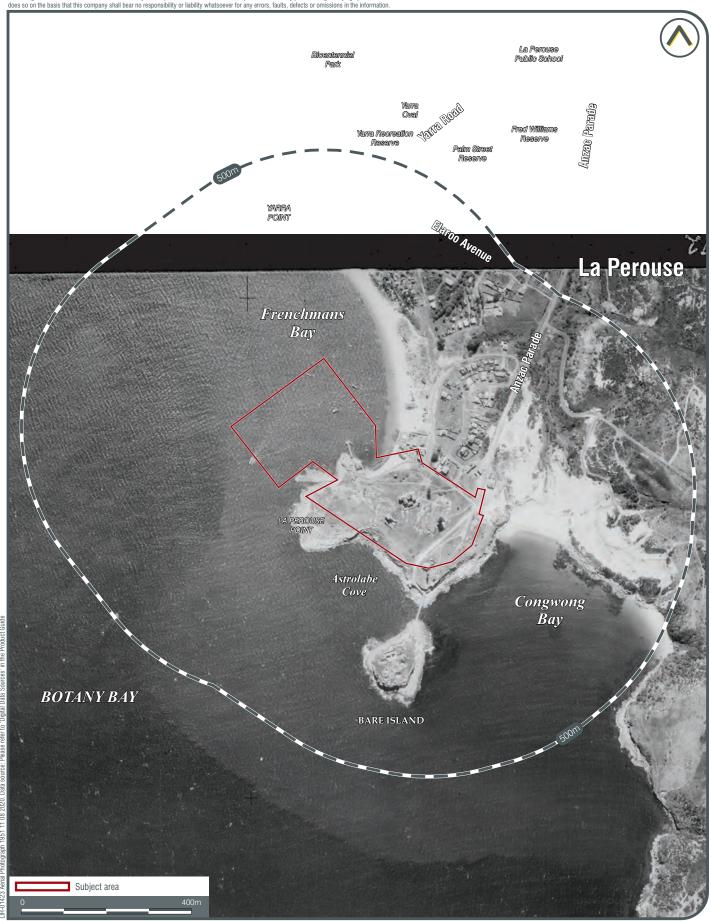






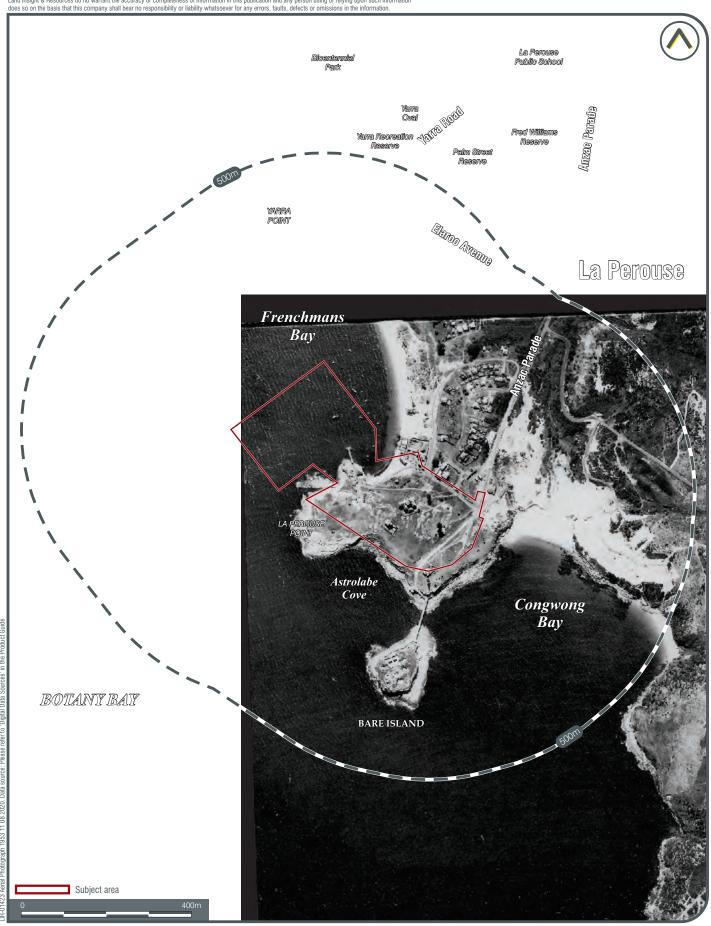






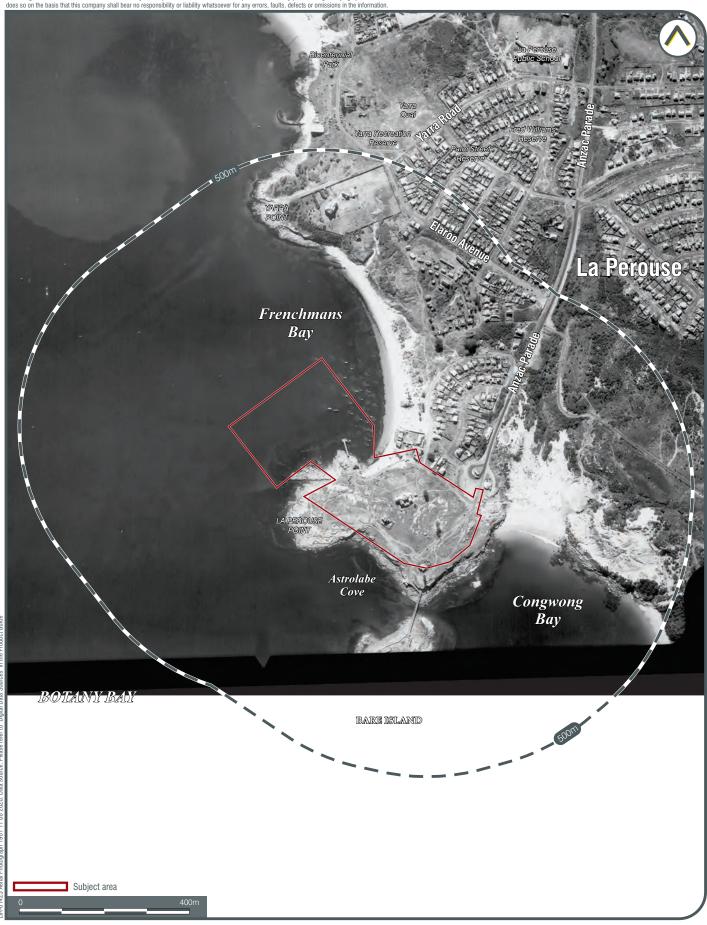






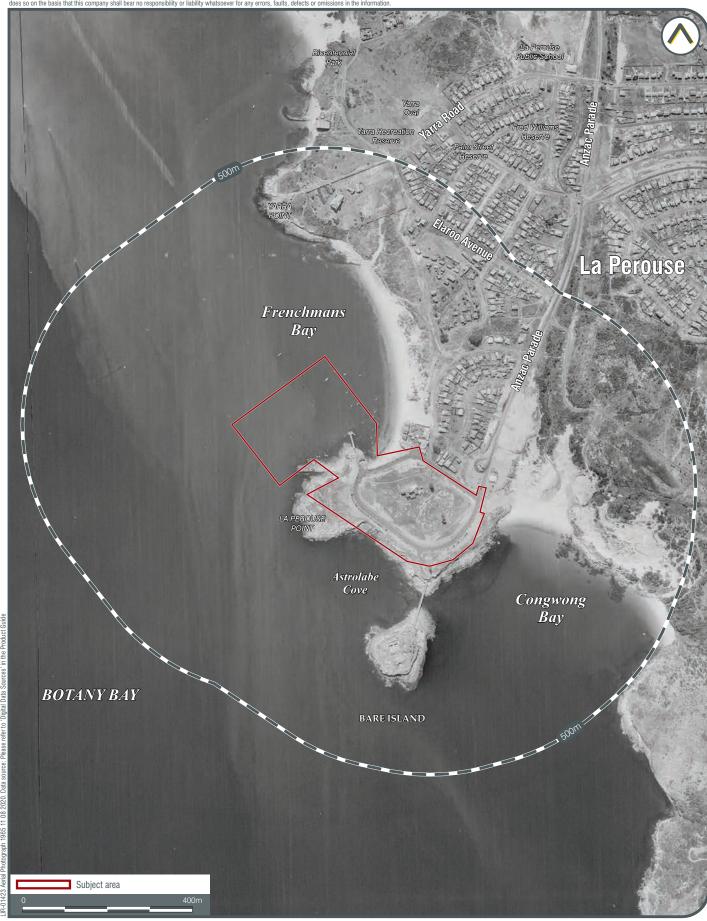






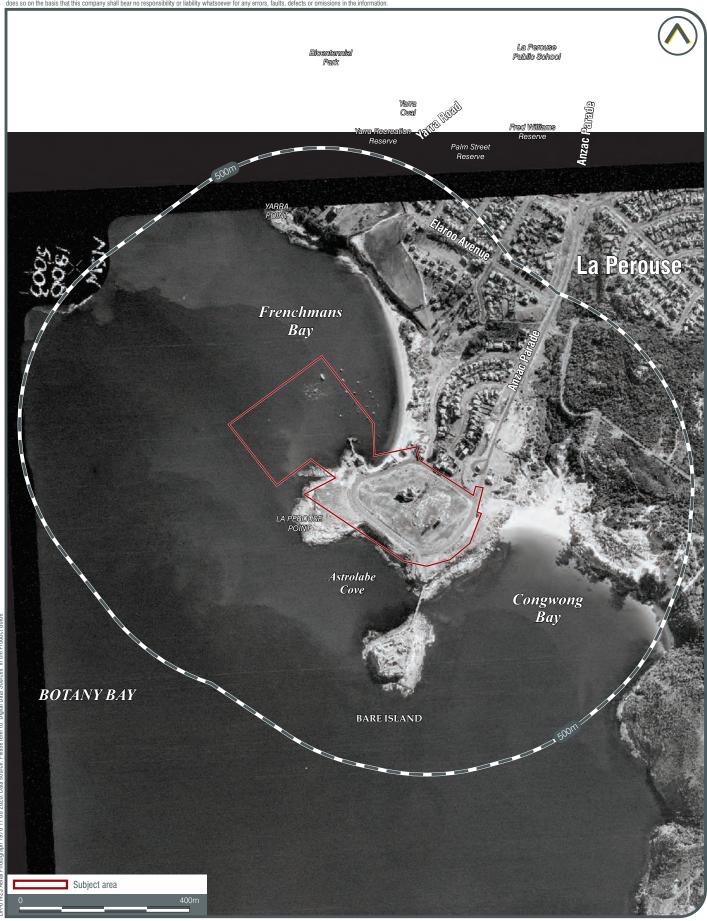






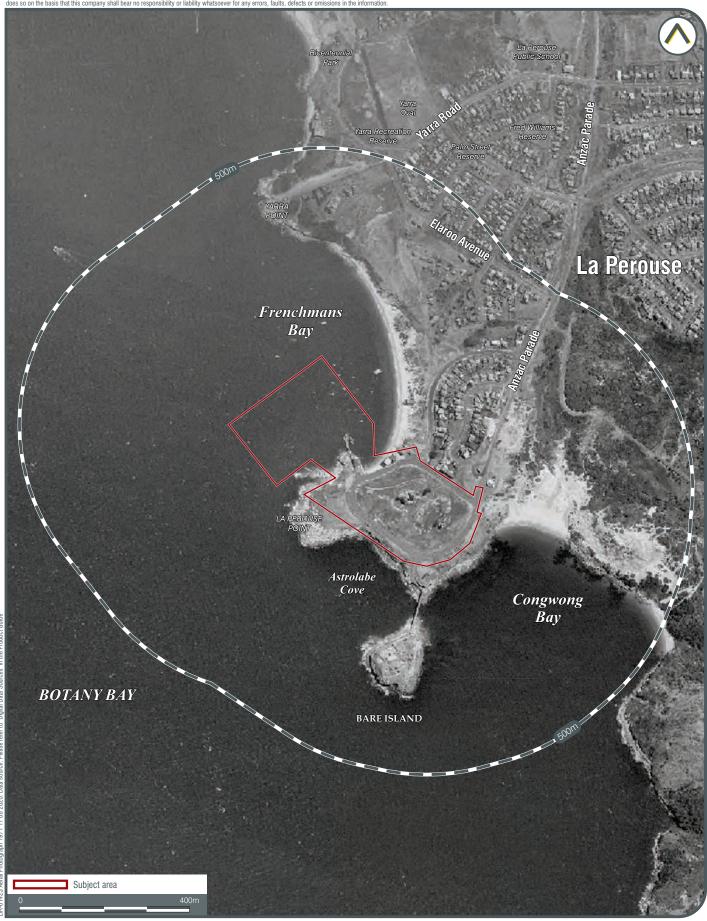






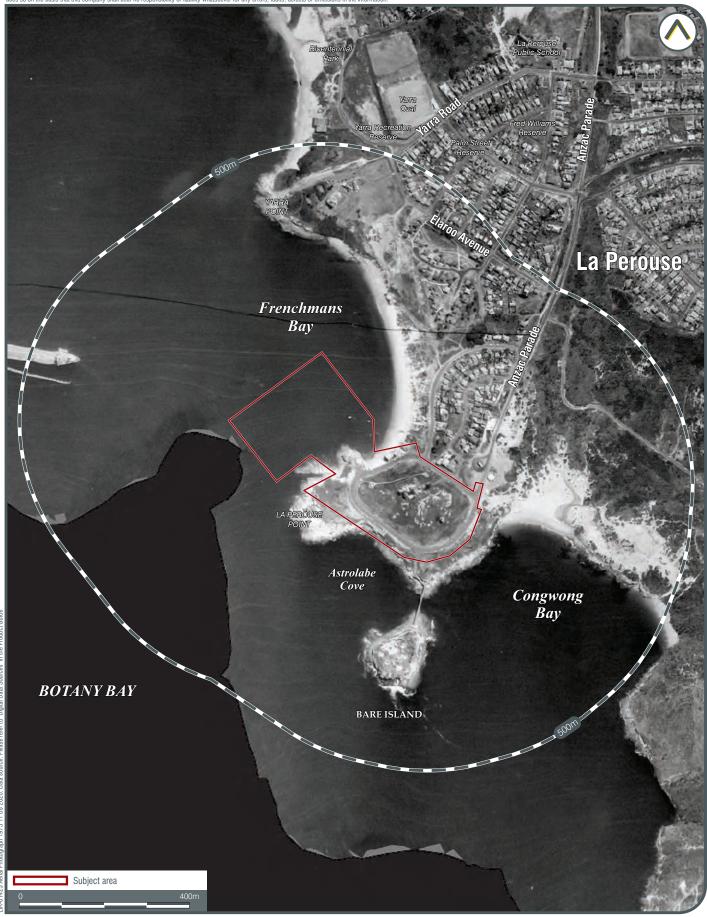






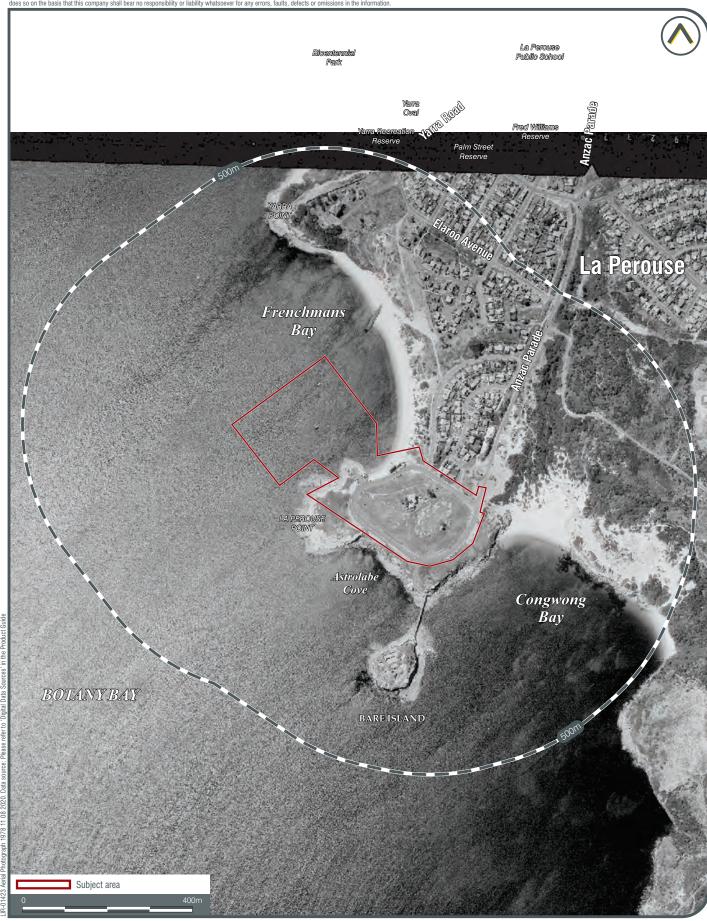






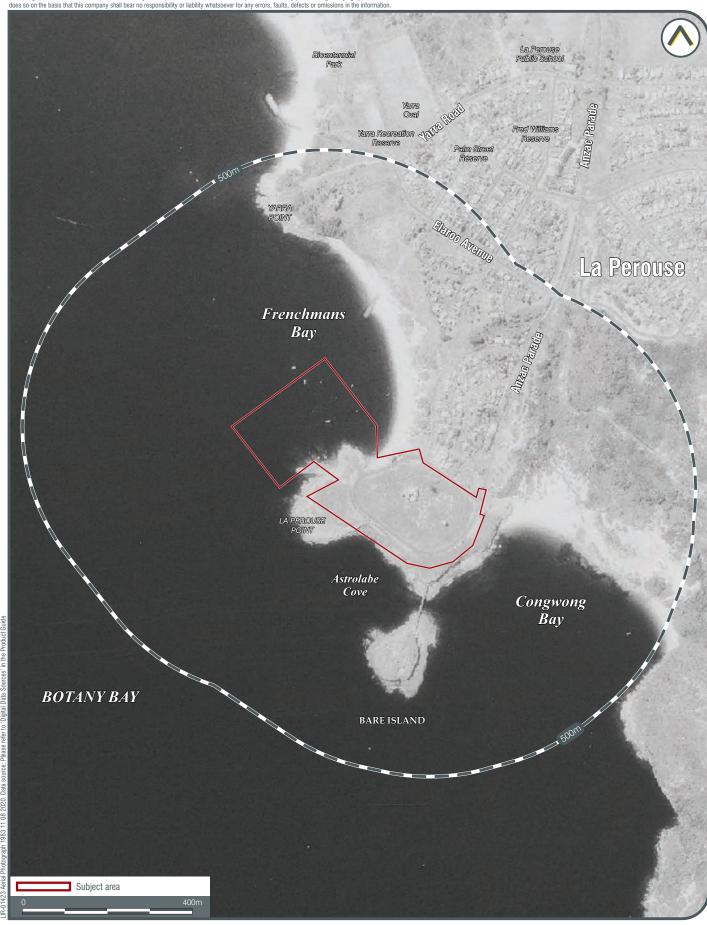












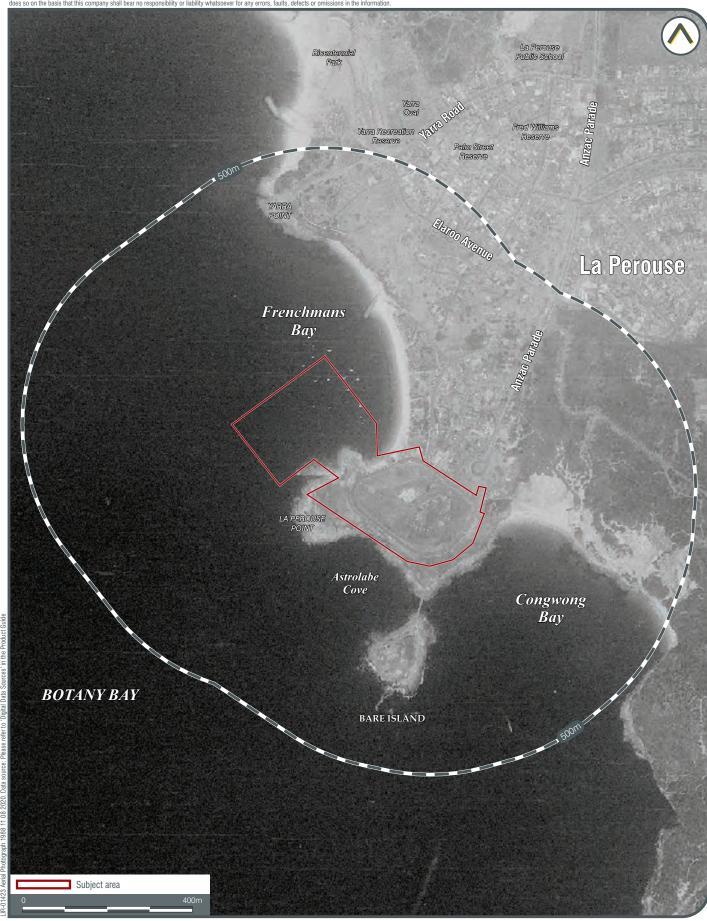






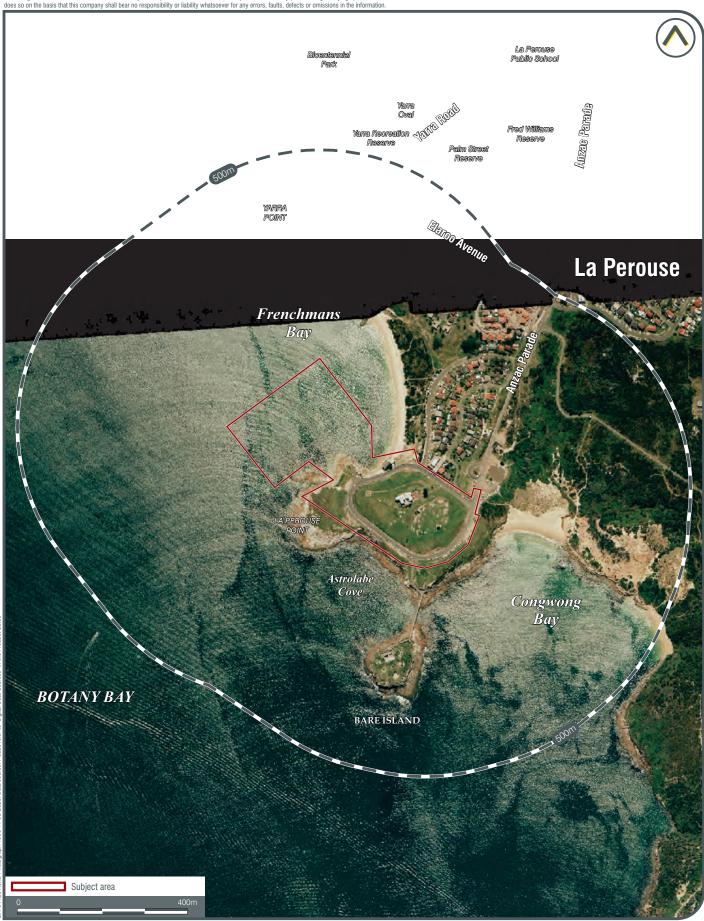










































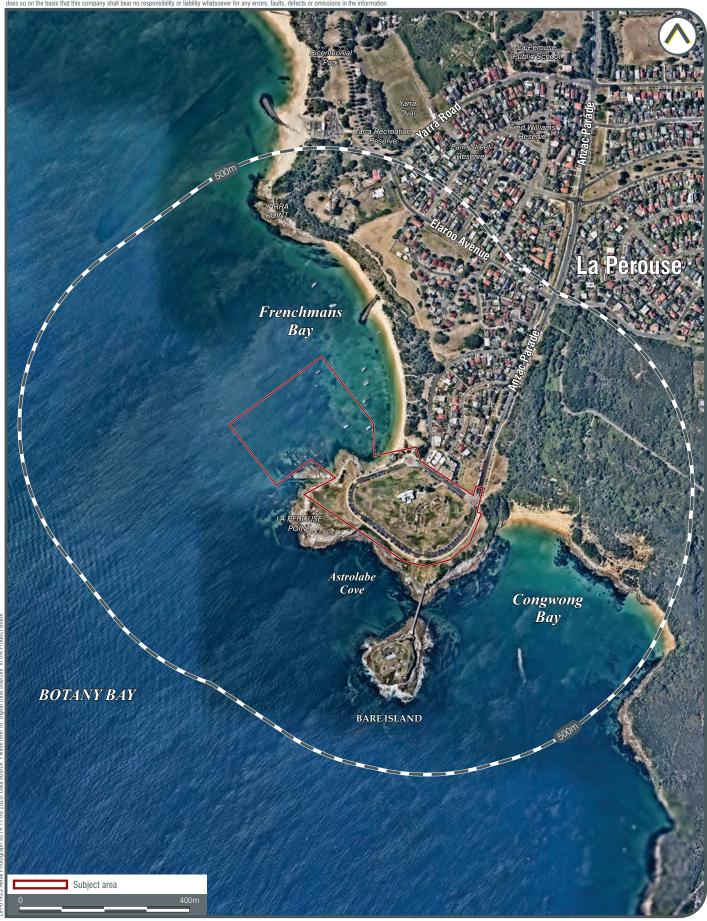


















HISTORIC AERIAL PHOTOGRAPH - 2017



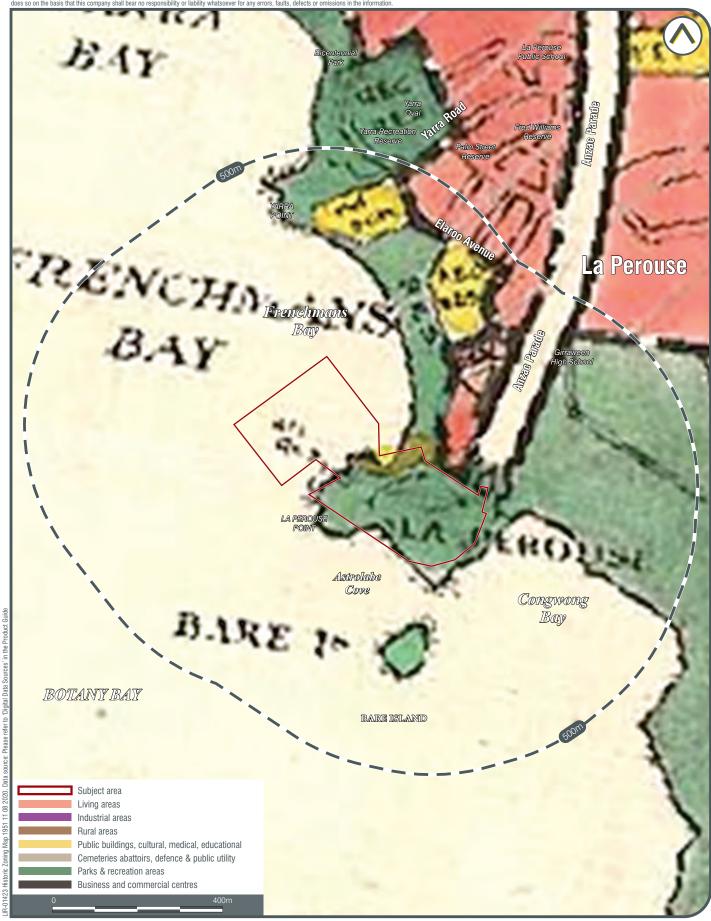




HISTORIC AERIAL PHOTOGRAPH - 2020



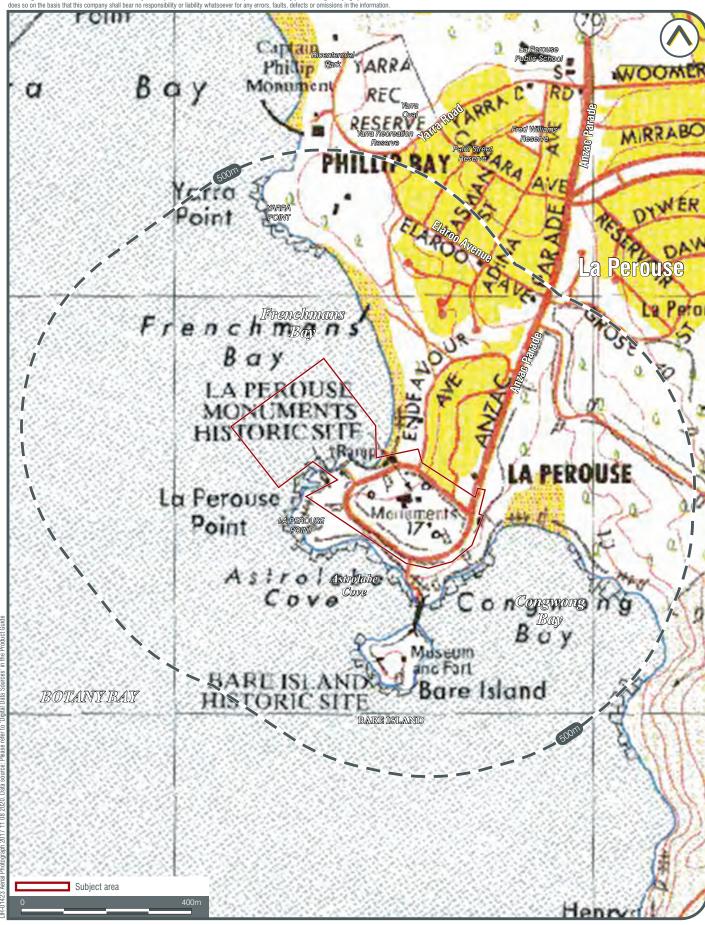




COUNTY OF CUMBERLAND PLANNING SCHEME - 1951







1969-1991 1:25,000 TOPOGRAPHIC MAP (BOTANY BAY 9130-3S)





KAMAY WHARF PROJECT Preliminary Site Investigation – La Perouse Site		

APPENDIX D LAND TITLES



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/915424

CERTIFICATE OF TITLE HAS NOT ISSUED

LAND

LOT 1 IN DEPOSITED PLAN 915424

AT LA PEROUSE

LOCAL GOVERNMENT AREA RANDWICK

PARISH OF BOTANY COUNTY OF CUMBERLAND

TITLE DIAGRAM DP915424

FIRST SCHEDULE

THE STATE OF NEW SOUTH WALES

(CA170790)

SECOND SCHEDULE (2 NOTIFICATIONS)

- * 1 LIMITED TITLE. LIMITATION PURSUANT TO SECTION 28T(4) OF THE REAL PROPERTY ACT, 1900. THE BOUNDARIES OF THE LAND COMPRISED HEREIN HAVE NOT BEEN INVESTIGATED BY THE REGISTRAR GENERAL.
- * 2 THE LAND ABOVE DESCRIBED IS RESERVED UNDER THE NATIONAL PARKS AND WILDLIFE ACT 1974 AS A NATIONAL PARK KNOWN AS BOTANY BAY NATIONAL PARK AS NOTIFIED HEREUNDER
- * LA PEROUSE MONUMENTS HISTORIC SITE SEE SCHEDULE 3 NATIONAL PARKS AND WILDLIFE ACT 1967 NO.35
- * NOW KNOWN AS BOTANY BAY NATIONAL PARK SEE SCHEDULE 1 BOTANY BAY NATIONAL PARK EXTENTION ACT 1987 NO.155

NOTATIONS

NOTE: PROPOSED ROAD - SEE 10803.3000

THIS LAND MAY BE SUBJECT TO SUBSISTING INTERESTS THAT HAVE NOT BEEN RECORDED. BEFORE DEALING WITH THIS LAND INQUIRIES SHOULD BE MADE WITH NATIONAL PARKS AND WILDLIFE SERVICES

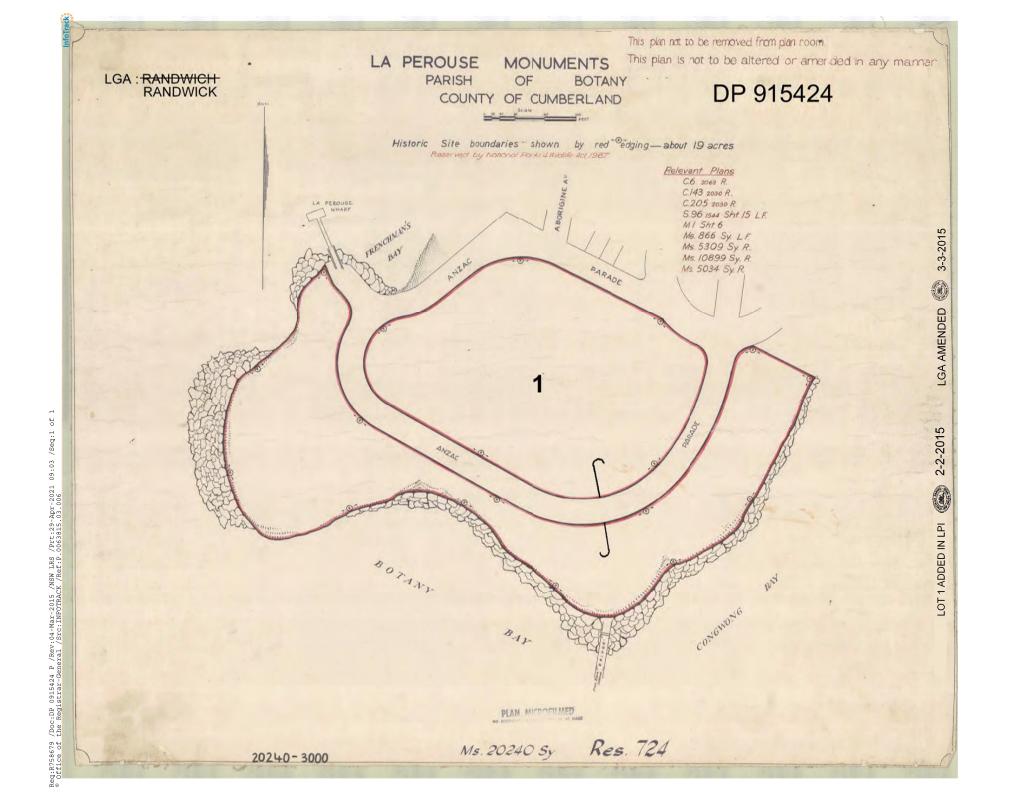
UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

P.0063815.03.006

PRINTED ON 3/3/2021

^{*} Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.





NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 3/1165618

SEARCH DATE TIME EDITION NO DATE _____ ____ _____ 3/3/2021 3:32 PM 16/4/2019 2

LAND

LOT 3 IN DEPOSITED PLAN 1165618

TITLE DIAGRAM DP1165618

AT PORT BOTANY

LOCAL GOVERNMENT AREA BAYSIDE, RANDWICK, SUTHERLAND SHIRE PARISH OF BOTANY COUNTY OF CUMBERLAND PARISH OF ST GEORGE COUNTY OF CUMBERLAND PARISH OF SUTHERLAND COUNTY OF CUMBERLAND

FIRST SCHEDULE

WATERWAYS AUTHORITY

SECOND SCHEDULE (55 NOTIFICATIONS)

- LAND EXCLUDES MINERALS AND IS SUBJECT TO RESERVATIONS AND CONDITIONS IN FAVOUR OF THE CROWN - SEE CROWN GRANT(S)
- EASEMENT FOR TRANSMISSION LINE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM VIDE NOTIFICATION IN GOV. GAZ. DATED 13.12.1963 FOL 3676
- 3 BK 2338 NO 272 LEASE TO AUSTRALIAN OIL REFINING LIMITED OF PART BEING PORTION 995 AT KURNELL, PARISH OF SUTHERLAND. EXPIRES 28.1.2055
 - AM914840 CHANGE OF NAME AFFECTING LEASE BK 2338 NO 272 LESSEE NOW CALTEX REFINERIES (NSW) PTY LTD
- AG640203 EASEMENT FOR WATER SUPPLY PURPOSES AFFECTING THE PART(S) SHOWN AS 'PROPOSED STRATUM EASEMENT FOR WATER SUPPLY PURPOSES 6 WIDE AND VARIABLE WIDTH' IN DP1167830
 - AG862837 EASEMENT NOW VESTED IN SYDNEY DESALINATION PLANT PTY LIMITED
 - AH25478 EASEMENT NOW VESTED IN SDP AUSTRALIA NO. 3 PTY LTD
 - AH25480 EASEMENT NOW VESTED IN MINISTERIAL HOLDING CORPORATION
 - AH25481 LEASE TO SDP AUSTRALIA NO. 3 PTY LTD. EXPIRES: 30/6/2062
 - AH25484 LEASE OF LEASE AH25481 TO SYDNEY DESALINATION PLANT PTY LIMITED. EXPIRES: 28/6/2062
 - AH25486 MORTGAGE OF LEASE AH25481 TO STATE OF NEW SOUTH WALES (MINISTER FOR FINANCE AND SERVICES)
 - AH25587 MORTGAGE OF LEASE AH25481 TO WESTPAC BANKING CORPORATION

END OF PAGE 1 - CONTINUED OVER

PRINTED ON 3/3/2021

FOLIO: 3/1165618 PAGE 2

SECOND SCHEDULE (55 NOTIFICATIONS) (CONTINUED)

- AH143424 MORTGAGE OF LEASE AH25484 TO WESTPAC BANKING CORPORATION
- 5 AG640203 EASEMENT FOR WATER SUPPLY PURPOSES AFFECTING THE PART(S) SHOWN AS 'PROPSED EASEMENT FOR WATER SUPPLY PURPOSES TRENCHED 16 WIDE' IN DP1155043
 - AG862837 EASEMENT NOW VESTED IN SYDNEY DESALINATION PLANT PTY LIMITED
 - AH25478 EASEMENT NOW VESTED IN SDP AUSTRALIA NO. 3 PTY
 - AH25480 EASEMENT NOW VESTED IN MINISTERIAL HOLDING CORPORATION
 - AH25481 LEASE TO SDP AUSTRALIA NO. 3 PTY LTD. EXPIRES: 30/6/2062
 - AH25484 LEASE OF LEASE AH25481 TO SYDNEY DESALINATION PLANT PTY LIMITED. EXPIRES: 28/6/2062
 - AH25486 MORTGAGE OF LEASE AH25481 TO STATE OF NEW SOUTH WALES (MINISTER FOR FINANCE AND SERVICES)
 - AH25587 MORTGAGE OF LEASE AH25481 TO WESTPAC BANKING CORPORATION
 - AH143424 MORTGAGE OF LEASE AH25484 TO WESTPAC BANKING CORPORATION
- 6 DP1247980 EASEMENT FOR SUPPORT 18 METRE(S) WIDE REFERRED TO AND NUMBERED (1) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 7 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH REFERRED TO AND NUMBERED (2) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 8 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH REFERRED TO AND NUMBERED (3) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 9 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH REFERRED TO AND NUMBERED (4) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 10 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH
 REFERRED TO AND NUMBERED (5) IN THE S.88B INSTRUMENT
 AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 11 DP1247980 EASEMENT FOR SUPPORT VARIABLE WIDTH REFERRED TO AND NUMBERED (6) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 12 DP1247980 EASEMENT FOR SUPPORT VARIABLE WIDTH REFERRED TO AND NUMBERED (7) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 13 DP1247980 EASEMENT FOR SUPPORT 18 METRE(S) WIDE REFERRED TO AND NUMBERED (8) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 14 DP1247980 EASEMENT FOR SUPPORT 18 METRE(S) WIDE REFERRED TO AND

END OF PAGE 2 - CONTINUED OVER

FOLIO: 3/1165618 PAGE 3

SECOND SCHEDULE (55 NOTIFICATIONS) (CONTINUED)

- NUMBERED (9) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 15 DP1247980 EASEMENT FOR SUPPORT VARIABLE WIDTH REFERRED TO AND NUMBERED (10) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 16 DP1247980 EASEMENT FOR SUPPORT VARIABLE WIDTH REFERRED TO AND NUMBERED (11) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 17 DP1247980 EASEMENT FOR SUPPORT 18 METRE(S) WIDE REFERRED TO AND NUMBERED (12) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 18 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH
 REFERRED TO AND NUMBERED (13) IN THE S.88B INSTRUMENT
 AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 19 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH REFERRED TO AND NUMBERED (14) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 20 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH REFERRED TO AND NUMBERED (15) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 21 DP1247980 EASEMENT FOR SUPPORT 15 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 22 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE 0.3 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 23 DP1247980 EASEMENT FOR SUPPORT 18 METRE(S) WIDE REFERRED TO AND NUMBERED (18) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 24 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE 3.2 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 25 DP1247980 EASEMENT FOR SUPPORT 18 METRE(S) WIDE REFERRED TO AND NUMBERED (20) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 26 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE 2.75 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 27 DP1247980 EASEMENT FOR SUPPORT VARIABLE WIDTH REFERRED TO AND NUMBERED (22) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 28 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH
 REFERRED TO AND NUMBERED (23) IN THE S.88B INSTRUMENT
 AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 29 DP1247980 EASEMENT FOR SUPPORT VARIABLE WIDTH REFERRED TO AND NUMBERED (24) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 30 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH REFERRED TO AND NUMBERED (25) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980

END OF PAGE 3 - CONTINUED OVER

FOLIO: 3/1165618 PAGE 4

SECOND SCHEDULE (55 NOTIFICATIONS) (CONTINUED)

- 31 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH
 REFERRED TO AND NUMBERED (26) IN THE S.88B INSTRUMENT
 AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 32 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH
 REFERRED TO AND NUMBERED (27) IN THE S.88B INSTRUMENT
 AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 33 DP1247980 EASEMENT FOR SUPPORT VARIABLE WIDTH REFERRED TO AND NUMBERED (28) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 34 DP1247980 EASEMENT FOR SUPPORT VARIABLE WIDTH REFERRED TO AND NUMBERED (29) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 35 DP1247980 EASEMENT FOR SUPPORT VARIABLE WIDTH REFERRED TO AND NUMBERED (30) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 36 DP1247980 EASEMENT FOR SUPPORT 18 METRE(S) WIDE REFERRED TO AND NUMBERED (31) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 37 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH REFERRED TO AND NUMBERED (32) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 38 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH
 REFERRED TO AND NUMBERED (33) IN THE S.88B INSTRUMENT
 AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 39 DP1247980 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH
 REFERRED TO AND NUMBERED (34) IN THE S.88B INSTRUMENT
 AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 40 DP1247980 EASEMENT FOR SUPPORT 4 METRE(S) WIDE REFERRED TO AND NUMBERED (35) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 41 DP1247980 EASEMENT FOR SUPPORT 4 METRE(S) WIDE REFERRED TO AND NUMBERED (36) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247980
- 42 DP1247981 EASEMENT FOR SUPPORT 5 METRE(S) WIDE AND VARIABLE AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247981
- 43 DP1247981 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247981
- 44 DP1247983 EASEMENT FOR SUPPORT 5 METRE(S) WIDE AND VARIABLE
 WIDTH REFERRED TO AND NUMBERED (1) IN THE S.88B
 INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN
 DP1247983
- 45 DP1247983 EASEMENT FOR OVERHANGING STRUCTURE 5 METRE(S) WIDE

 AND VARIABLE WIDTH REFERRED TO AND NUMBERED (2) IN THE

 S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO

 BURDENED IN DP1247983
- 46 DP1247983 EASEMENT FOR SUPPORT 5 METRE(S) WIDE AND VARIABLE

END OF PAGE 4 - CONTINUED OVER

FOLIO: 3/1165618 PAGE 5

SECOND SCHEDULE (55 NOTIFICATIONS) (CONTINUED)

WIDTH REFERRED TO AND NUMBERED (3) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247983

- 47 DP1247983 EASEMENT FOR OVERHANGING STRUCTURE VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247983
- 48 DP1247983 EASEMENT FOR SUPPORT 5 METRE(S) WIDE AND VARIABLE
 WIDTH REFERRED TO AND NUMBERED (5) IN THE S.88B
 INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN
 DP1247983
- 49 DP1247983 EASEMENT FOR OVERHANGING STRUCTURE 5 METRE(S) WIDE
 AND VARIABLE WIDTH REFERRED TO AND NUMBERED (6) IN THE
 S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO
 BURDENED IN DP1247983
- 50 DP1247983 EASEMENT FOR REVETMENT WALL VARIABLE WIDTH REFERRED

 TO AND NUMBERED (7) IN THE S.88B INSTRUMENT AFFECTING

 THE PART(S) SHOWN SO BURDENED IN DP1247983
- 51 DP1247983 EASEMENT FOR REVETMENT WALL VARIABLE WIDTH REFERRED

 TO AND NUMBERED (8) IN THE S.88B INSTRUMENT AFFECTING

 THE PART(S) SHOWN SO BURDENED IN DP1247983
- 52 DP1247983 EASEMENT FOR REVETMENT WALL VARIABLE WIDTH REFERRED

 TO AND NUMBERED (9) IN THE S.88B INSTRUMENT AFFECTING

 THE PART(S) SHOWN SO BURDENED IN DP1247983
- 53 DP1247983 EASEMENT FOR REVETMENT WALL VARIABLE WIDTH REFERRED
 TO AND NUMBERED (10) IN THE S.88B INSTRUMENT AFFECTING
 THE PART(S) SHOWN SO BURDENED IN DP1247983
- 54 DP1247983 EASEMENT FOR ACCESS VARIABLE WIDTH REFERRED TO AND NUMBERED (11) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247983
- 55 DP1247983 EASEMENT FOR ACCESS VARIABLE WIDTH REFERRED TO AND NUMBERED (12) IN THE S.88B INSTRUMENT AFFECTING THE PART(S) SHOWN SO BURDENED IN DP1247983

NOTATIONS

DP1009872 PLAN FOR LEASE PURPOSES DP1233670 PLAN OF PROPOSED EASEMENT

UNREGISTERED DEALINGS: PE DP1206604.

*** END OF SEARCH ***

P.0063815.03.006

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Lengths are in metres. Reduction Ratio 1:N.T.S

| 82 | 251*22*45** | 13.995 | 121 | 172*04.* | 42.19 |
|(E) PROPOSED EASEMENT FOR RISING MAIN 3 WIDE (DP 626767)
|(F) PROPOSED EASEMENT FOR SERVICES AND ACCESS - VARIABLE WIDTH (DP626767)

19.235

8.275

250°00'20

252°35'30"

81

1165618 P /Rev:04-Apr-2013 /Sts:SC.OK /Pgs:ALL /Prt:31-Oct-2016 11:20 /Seq:2

Services /Src:P

Maritime

Req:R677344 /Doc:DP

(G) EASEMENT FOR ELECTRICITY SUBSTATION (AC247584)
(H) PROPOSED LOT 1 BEING THE SITE OF SPSS70 (DP626767)

(I) PIPELINE EASEMENT 3 WIDE & VARIABLE WIDTH (DP499007 & DP499008) (Q618732, R297864, R297865, R342216, S816045, S816046 & S816047) Surveyor: MATTHEW WILLIAM CLEARY
Date of Survey: 22-3-2011
Surveyor's Ref: 114881500_11

DIAGRAM 'G'

PLAN OF SUBDIVISION OF LOT 456 IN D.P.1137279 & LOT 1 IN D.P.1122339 AND EASEMENTS AFFECTING LOTS 2, 7, 26 & 28 IN D.P.1126332

LGA: BOTANY BAY, RANDWICK SUTHERLAND SHIRE, ROCKDALE Locality: PORT BOTANY Subdivision No: C11/247 Lengths are In metres, Reduction Ratio 1:5000

SSM 155463

SSM 155464

SSM 68173

Registered: 5.7.2011

6240 182.7

6240 305.5

6239 747.587

C.S.F0.999939

334 338.1

334 802.5

SOURCE: S.C.I.M.S. 23-2-2011

334 424.015

DP1165618

56

56

Sheet 2 of 4 sheets

20 30 40 50 60 70 80 90 100 110 120 130 140 150

116

120

121°45'30"

121*43'30"

51.105

55.845

(XM) LAND EXCLUDEDS MINERALS - SEE SEC 171 CROWN LANDS ACT 1989

PLAN AMENDED IN LPI AT SURVEYOR'S

TRAV.

TRAV.

AMENDMENTS VIDE 2013-326

ePlan

DEPOSITED PLAN ADMINISTRATION SHEET

of $\mathcal{Z}_{\mathbf{3}}$ sheet Sheet 1

SIGNATURES, SEALS and STATEMENTS of intention to dedicate public roads, to create public reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.

PURSUANT TO SECTION 88B OF THE CONVEYANCING ACT 1919, AS AMENDED, IT IS INTENDED TO CREATE:

- EASEMENT FOR WATER SUPPLY **PURPOSES 2 & 3 WIDE**
- 2. EASEMENT FOR ACCESS & DRAINAGE VARIABLE WIDTH
- 3. EASEMENT FOR WATER SUPPLY PURPOSES 3.5 WIDE & VARIABLE WIDTH
- 4. EASEMENT FOR ACCESS & DRAINAGE VARIABLE WIDTH

ALLAN GORDON

SURVEY MANAGER MARITIME AUTHORITY OF NSW

Use PLAN FORM 6A for additional certificates, signatures, seals and statements

Crown Lands NSW/Western Lands Office Approval
Iin approving this plan certify (Authorised Officer) that all necessary approvals in regard to the allocation of the land shown herein have been given
Signature: Date: File Number Office
Subdivision Certificate I certify that the provisions of s.109J of the Environmental Planning and Assessment Act 1979 have been satisfied in relation to:
the proposed
Consent Authority: SYDNEY PORTS CORPORATION Date of Endorsement: 16/5/26/1)

File no: C11./247.

Accreditation no: Subdivision Certificate no: .

* Delete whichever is inapplicable

DP1165618

Registered:



5.7.2011

Title System:

TORRENS

Purpose:

SUBDIVISION

PLAN OF SUBDIVISION OF LOT 456 IN D.P.1137279 & LOT 1 IN D.P.1122339 AND EASEMENTS AFFECTING LOTS 2, 7, 26 & 28 IN D.P.1126332

LGA: **BOTANY BAY, RANDWICK**

SUTHERLAND SHIRE, ROCKDALE

Locality: PORT BOTANY

Parish: SUTHERLAND, BOTANY, ST.GEORGE

County: CUMBERLAND

Surveying & Spatial Information Regulation, 2006

I, MATTHEW WILLIAM CLEARY

of HARD & FORESTER PTY LTD

23-25 FREDERICK STREET, ROCKDALE NSW 2216 a surveyor registered under the Surveying & Spatial Information Act, 2002, certify that the survey represented in this plan is accurate, has been made in accordance with the Surveying & Spatial Information Regulation, 2006 and was completed on 19/4/2011 22 3 3 3 1

The survey relates to LOTS 1, 2, PART 3 AND CONNECTIONS

specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey)

......Dated:

Surveyor registered under the Surveying & Spatial Information Act, 2002

Datum Line 'X' - 'Y'

Type: Urban/Rural

Plans used in the preparation of survey/compilation

DP816961 DPP1009870 DP1126332 DP1137279

SURVEYOR'S REFERENCE: 114881500

Req:R677344 /Doc:DP 1165618 P /Rev:04-Apr-2013 /Sts:SC.OK /Pgs:ALL /Prt:31-Oct-2016 11:20 /Seq:6 of 7

Ref:Roads and Maritime Services /Src:P

PLAN FORM 6A (Annexure Sheet)

WARNING: Creasing or folding will lead to rejection

ePlan

DEPOSITED PLAN ADM	INISTRATION SHEET Sheet 2 of Z ₃ sheet(s)
PLAN OF SUBDIVISION OF LOT 456 IN D.P.1137279 & LOT 1 IN D.P.1122339 AND EASEMENTS AFFECTING LOTS 2, 7, 26 & 28 IN D.P.1126332	DP1165618
	* Registered: 5.7.2011
Subdivision Certificate No: C11/247	Date of Endorsement: 16 5 2011
THE MARITIME AUTHORITY OF NSW (TRADING AS 'NSW MARITIME') IN ACCORDANCE WITH PART 2 DIVISION 5 OF THE SURVEYING REGULATION 2006, APPROVES THE DETERMINATION OF THE MHWM, AS SHOWN HEREON, NSW MARITIME AUTHORITY FILE	

Req:R677344 /Doc:DP 1165618 P /Rev:04-Apr-2013 /Sts:SC.OK /Pgs:ALL /Prt:31-Oct-2016 11:20 /Seq:7 of 7

Ref:Roads and Maritime Services /Src:P

SURVEYOR'S REFERENCE: 114881500

WARNING: Creasing or folding will lead to rejection

ePlan PLAN FORM 6A (Annexure Sheet) Sheet 3 of 3 sheet(s) DEPOSITED PLAN ADMINISTRATION SHEET PLAN OF SUBDIVISION OF LOT 456 IN DP1165618 D.P.1137279 & LOT 1 IN D.P.1122339 AND EASEMENTS AFFECTING LOTS 2, 7, 26 & 28 IN D.P.1126332 Registered: 5.7.2011 16/5/2011 Subdivision Certificate No: C11/247 Date of Endorsement: ACTING CEO COrporation Sypholy Parts Corporation



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 5113/752015

CERTIFICATE OF TITLE HAS NOT ISSUED

LAND

LOT 5113 IN DEPOSITED PLAN 752015

AT LA PEROUSE

LOCAL GOVERNMENT AREA RANDWICK

PARISH OF BOTANY COUNTY OF CUMBERLAND

(FORMERLY KNOWN AS PORTION 5113)

TITLE DIAGRAM CROWN PLAN 8968.2030

FIRST SCHEDULE

THE STATE OF NEW SOUTH WALES

(CA132042)

SECOND SCHEDULE (2 NOTIFICATIONS)

- * 1 THE LAND IS A RESERVE WITHIN THE MEANING OF PART 5 OF THE CROWN LANDS ACT 1989 AND THERE ARE RESTRICTIONS ON TRANSFER AND OTHER DEALINGS IN THE LAND UNDER THAT ACT, WHICH MAY REQUIRE CONSENT OF THE MINISTER.
- * 2 LIMITED TITLE. LIMITATION PURSUANT TO SECTION 28T(4) OF THE REAL PROPERTY ACT, 1900. THE BOUNDARIES OF THE LAND COMPRISED HEREIN HAVE NOT BEEN INVESTIGATED BY THE REGISTRAR GENERAL.

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

P.0063815.03.006

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PARISH BOTANY

LAND DISTRICT METROPOLITAN

PLAN OF PORTIONS 3983703986,3993,3994 1847 1815

COUNTY CUMBERLAND

LAND BOARD DISTRICT SYDNEY

NOTATIONS

All further notations are to be made on this sheet, which is to be ruled off horizontally to provide separate panels for notations affecting each portion.

0 (Fbr. 3983. Now Bank of New South Wales, Sale completed Ten. 66-7185 Grant limited to surface and depth of 50 feet

PLAN MICHOFILMED

Por 3984 - Now S.H.P. Henrietta Gledys Rogers Withdrawn. 3 H 49: 19 Aug 25th Alick Rogers - Now S.H.P. Henrietta Gledys Rogers

2) Por 3985. Grant issued Ten. G8 2285. Depth restriction 50 feet.

Por 3986 5. 11.56/86 Paris Cockinos Confd 8th August, 1956 Within 5.11.A. 2443, Note 27 4-56

MOTATION PLAN

7061. 2030

Ψo C. M. Reg:E370822 , Ref:0es0550 ,



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 7045/1026891

CERTIFICATE OF TITLE HAS NOT ISSUED

LAND

LOT 7045 IN DEPOSITED PLAN 1026891

AT LA PEROUSE

LOCAL GOVERNMENT AREA RANDWICK

PARISH OF BOTANY COUNTY OF CUMBERLAND

TITLE DIAGRAM DP1026891

FIRST SCHEDULE

THE STATE OF NEW SOUTH WALES

(CA131060)

SECOND SCHEDULE (3 NOTIFICATIONS)

- THE LAND IS A RESERVE WITHIN THE MEANING OF PART 5 OF THE CROWN LANDS ACT 1989 AND THERE ARE RESTRICTIONS ON TRANSFER AND OTHER DEALINGS IN THE LAND UNDER THAT ACT, WHICH MAY REQUIRE CONSENT OF THE MINISTER.
- * 2 LIMITED TITLE. LIMITATION PURSUANT TO SECTION 28T(4) OF THE REAL PROPERTY ACT, 1900. THE BOUNDARIES OF THE LAND COMPRISED HEREIN HAVE NOT BEEN INVESTIGATED BY THE REGISTRAR GENERAL.
- * 3 THE PLAN DEFINING THE LAND IN THIS FOLIO WHICH WAS PREPARED FOR IDENTIFICATION PURPOSES IS NOW SUITABLE FOR TITLE ISSUE. IT IS NOT A CURRENT PLAN IN TERMS OF SECTION 7A OF THE CONVEYANCING ACT 1919.

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

P.0063815.03.006

PRINTED ON 3/3/2021



PLAN OF CROWN LAND SHOWING FORMER ARTIFICIAL ID

 $410/7043//752015/77947 \hspace{0.2cm} 410/7044//752015/77947 \hspace{0.2cm} 410/7045//752015/77947 \hspace{0.2cm} 410/7046//752015/71492$

Shire/City RANDWICK

Town/Locality LA PEROUSE

Parish BOTANY

County CUMBERLAND

Not to Scale

DP1026891 (E)

Registered 30.3.2001

Title System CROWN LAND

Purpose

DEPARTMENTAL

Reference Map U1837-83

DCDB Partition BOTA322S

Last Plan -

DIAGRAM FOR IDENTIFICATION PURPOSES ONLY ... NOT TO BE USED FOR FOLIO CREATION THIS IS NOT A SUBDIVISION OF THE CROWN ESTATE. STATUS MAY NEED TO BE VERIFIED.

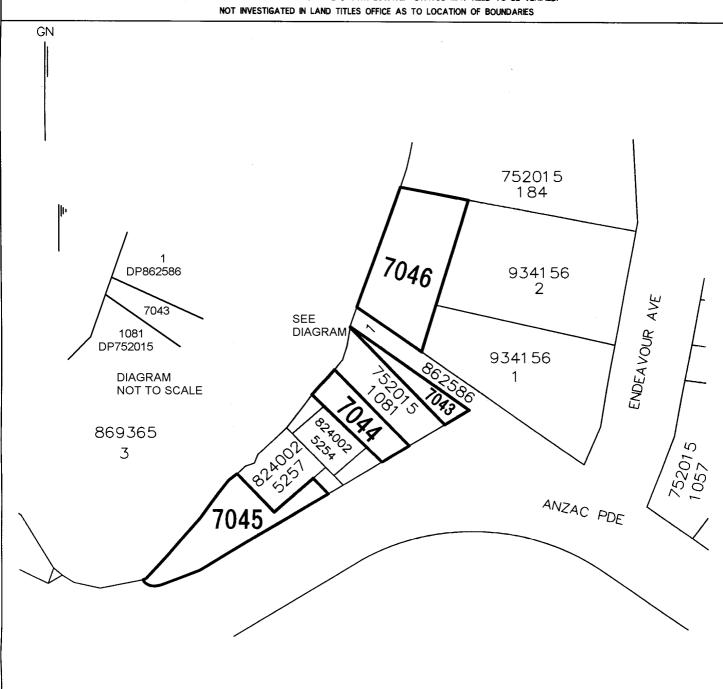


DIAGRAM ADDED IN LPI VIDE 2008/929 🐑 TCB76 16-5-2008

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