



Licence number	L8466/2010/3
Licence holder	Water Corporation
ACN	634 169 841
Registered business address	John Tonkin Water Centre 629 Newcastle Centre LEEDERVILLE WA 6007
DWER file number	2010/004862-2
Duration	17/01/2022 to 16/01/2027
Date of amendment	26/06/2023
Date of issue	17/12/2021
Premises details	Southern Seawater Desalination Plant 159 Taranto Road BINNINGUP WA 6233 Legal description - Lot 105 on Plan 401440 As defined by the co-ordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 54A: Water desalination plant	120 Gigalitres per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 26 June 2023, by:

Grace Campbell

A/Senior Environmental Officer, Waste Industries

Regulatory Services

An officer delegated under section 20 of the Environmental Protection Act 1986 (WA)

Licence history

Date	Reference number	Summary of changes
12/06/2009	W4519/2009/1	Works Approval for construction of desalination plant.
13/01/2011	L8466/2010/1	New licence granted.
9/01/2014	L8466/2010/2	Licence renewed for five years.
29/04/2016	L8466/2010/2	Expiry date amended to 16 January 2022.
17/12/2021	L8466/2010/3	Licence renewed for five years.
13/01/2022	L8466/2010/3	Administrative amendments to renewed licence.
16/05/2022	L8466/2010/3	Notice of Amendment of Licence Reporting Requirements (16/5/22) to reduce the frequency of environmental reporting from annual to biennial, commencing 1 October 2023 and biennially thereafter, and to amend the reporting date for the Annual Audit Compliance Report (AACR) to 1 October 2022 and annually thereafter.
26/06/2023	L8466/2010/3	Licence amendment to alter the reporting date for the AACR to 19 April annually and to alter the reporting date for the environmental report to 19 April biennially.

Interpretation

In this licence:

- (a) the words ‘including’, ‘includes’ and ‘include’ in conditions mean “including but not limited to”, and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this licence:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Infrastructure and equipment

1. The licence holder must ensure that the site infrastructure and equipment listed in Table 1 is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.

Table 1: Infrastructure and equipment requirements

Site infrastructure and equipment	Operational requirement
Seawater Intake	manufacturer's specification or any relevant and effective internal management system.
Intake Pump Station	
Seawater Strainers	
Membrane Filters	
Cartridge Filters	
Reverse Osmosis Plant	
Permeate Tank	
Drinking Water Tank	
Product Pump Station	
Backwash Tank	
Outfall tank	
Sludge tank	
Centrifuge	
Lime system	
Membrane Filter CIP Sump	
Reverse Osmosis CIP Sump	
Air pollution control and monitoring equipment	
Containers	

Waste storage and minimisation

2. The licence holder must immediately recover, or remove and dispose of spills of desalination effluent and solid waste outside of an engineered containment system.
3. The licence holder must ensure that solid waste from the desalination process is only stored within vessels or compounds that are impervious containers (except for seawater intake screening collection basket).

Discharges to water

4. The licence holder must record and investigate the exceedance of any descriptive or numerical limit specified in any part of this licence.
5. The licence holder must ensure that where waste is emitted to surface water from the emission points in Table 2 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this licence.

Table 2: Emission points to surface water

Reference and location on map of emission points	Emission point reference on map of emission points	Description	Source including abatement
Discharge sample point	Discharge sample point as depicted in Figure 1	Discharge desalination effluent through the ocean outfall diffuser within the LEPA as depicted in Figure 2	Process effluent

6. The licence holder must not cause or allow point source emissions to surface water greater than the limits listed in Table 3.

Table 3: Point source emission limits to surface water

Emission point reference	Parameter	Limit (including units)	Averaging period
Discharge Sample Point	Process effluent (brine)	170 Gigalitres per annual period	Annual

Monitoring

7. The licence holder must ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturers specifications.
8. The licence holder must, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.
9. The licence holder must maintain a sampling point to ensure that representative samples of desalination effluent being discharged from the premises can be collected at any time.

10. The licence holder must undertake the monitoring in Table 4 according to the specifications in that table.

Table 4: Monitoring of point source emissions to surface water

Emission point reference	Parameter	Units	Frequency
Discharge Sample Point	Volumetric flow rate of process effluent being discharged to ocean	m ³ /day	Monthly

11. The licence holder must undertake the monitoring in Table 5 according to the specifications in that table.

Table 5: Monitoring of inputs and outputs

Input/Output	Parameter	Units	Averaging Period	Frequency
Seawater	Inflow	Kilolitre/day	Monthly	Continuous
Process effluent	Outflow to ocean via ocean outfall diffuser within the LEPA as depicted in Figure 2.			Continuous
Process solid waste	Removed from premises	Tonnes	N/A	Monthly

Records and reporting

12. All information and records required by the licence must:
- be legible;
 - if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
 - except for records listed in 12(d) be retained for at least 6 years from the date the records were made or until the expiry of the licence or any subsequent licence; and
 - for those following records, be retained until the expiry of the licence and any subsequent licence:
 - off-site environmental effects; or
 - matters which affect the condition of the land or waters.
13. The licence holder must:
- undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - prepare and submit to the CEO an Annual Audit Compliance Report in the approved form by 19 April each year.

14. The licence holder must implement a complaints management system that as a minimum, records the number and details of complaints received concerning the environmental impact of the activities undertaken at the premises and any action taken in response to the complaint.
15. The licence holder must submit to the CEO a copy of the reports required in each element of condition 6 of Ministerial Statement 792, in accordance with the time frame specified in each element of condition 6 of Ministerial Statement 792.
16. The licence holder must record the results of any chemical analysis conducted on desalination process solid waste produced on the premises.
17. The licence holder must:
 - (a) prepare an environmental report that provides information in accordance with Table 6 for the preceding two annual periods, and
 - (b) submit the environmental report to the CEO by 19 April 2023 and biennially thereafter.

Table 6: Environmental reporting requirements

Condition	Requirement
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken
Condition 13	Compliance
Condition 14	Complaints summary
Condition 7	Calibration report

18. The licence holder must ensure that the environmental report also contains an assessment of the information contained within the report against previous monitoring results and licence limits.
19. The licence holder shall submit the information in Table 7 to the CEO according to the specifications in that table.

Table 7: Non-annual reporting requirements

Parameter	Reporting period	Reporting date	Format or form
Copies of original monitoring reports submitted to the licence holder by third parties	Not Applicable	Within 14 days of the CEO's request	As received by the licence holder from third parties

20. The licence holder shall ensure that the parameters listed in Table 8 are notified to the CEO in accordance with the notification requirements of the table.

Table 8: Notification requirements

Condition or table	Parameter	Notification requirement ¹	Format or form
Condition 6 Table 3	Breach of any limit specified in the licence	As soon as practicable	Forms are available on the Department's website.

Definitions

In this licence, the terms in Table 9 have the meanings defined.

Table 9: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from 17 January until 16 January of the immediately following year.
approved form	means the Annual Audit Compliance Report (AACR) form template approved by the CEO for use and available via DWER's external website.
Australian Standard	means the relevant parts of the standard in force from time to time during the term of this licence.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
code of practice	means the version of that code of practice in force from time to time, and shall include any amendments or replacements to that code of practice made during the term of this licence.
condition	a condition to which the licence is subject under section 62 of the <i>Environmental Protection Act 1986</i>
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
Desalination process solid waste	means solid material collected on seawater intake screens, filtration devices and membranes, not including membrane backwash effluent.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.

Term	Definition
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
GL	means Gigalitres.
guideline	means the version of that guideline in force from time to time and shall include any amendments or replacements to that guideline or made during the term of this licence.
inspector	means a person appointed to be an inspector under section 88 of the Environmental Protection Act 1986, and includes the CEO
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
Low Ecological Protection Area (LEPA)	means the area 100 metres by 600 metres surrounding the brine discharge diffuser array, as depicted in Schedule 1 (Figure 2).
mg/kg	means milligrams per kilogram
m/s	means metres per second
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map including Discharge Sample Point

The boundary of the prescribed premises and the discharge sample point is shown in the map below (Figure 1).

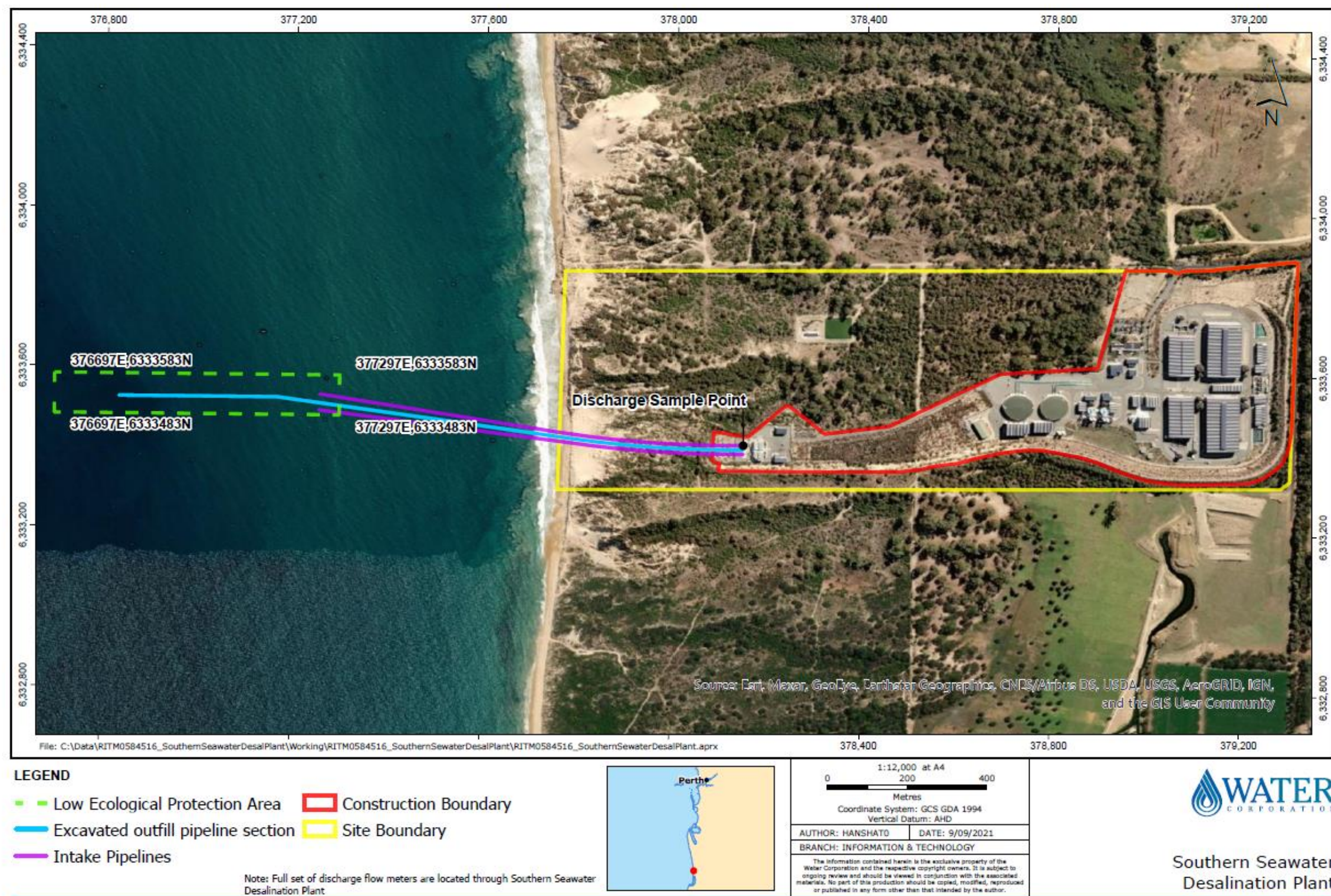


Figure No 1

Figure 1: Map of the boundary of the prescribed premises with discharge sample point location.

L8466/2010/3 (Amended 26 June 2023)

IR-T06 Licence template (v8.0) (September 2022)

Low Ecological Protection Area (LEPA)

The boundary of the LEPA (green line) is 100 m by 600 m surrounding the brine discharge diffuser array area (Figure 2).

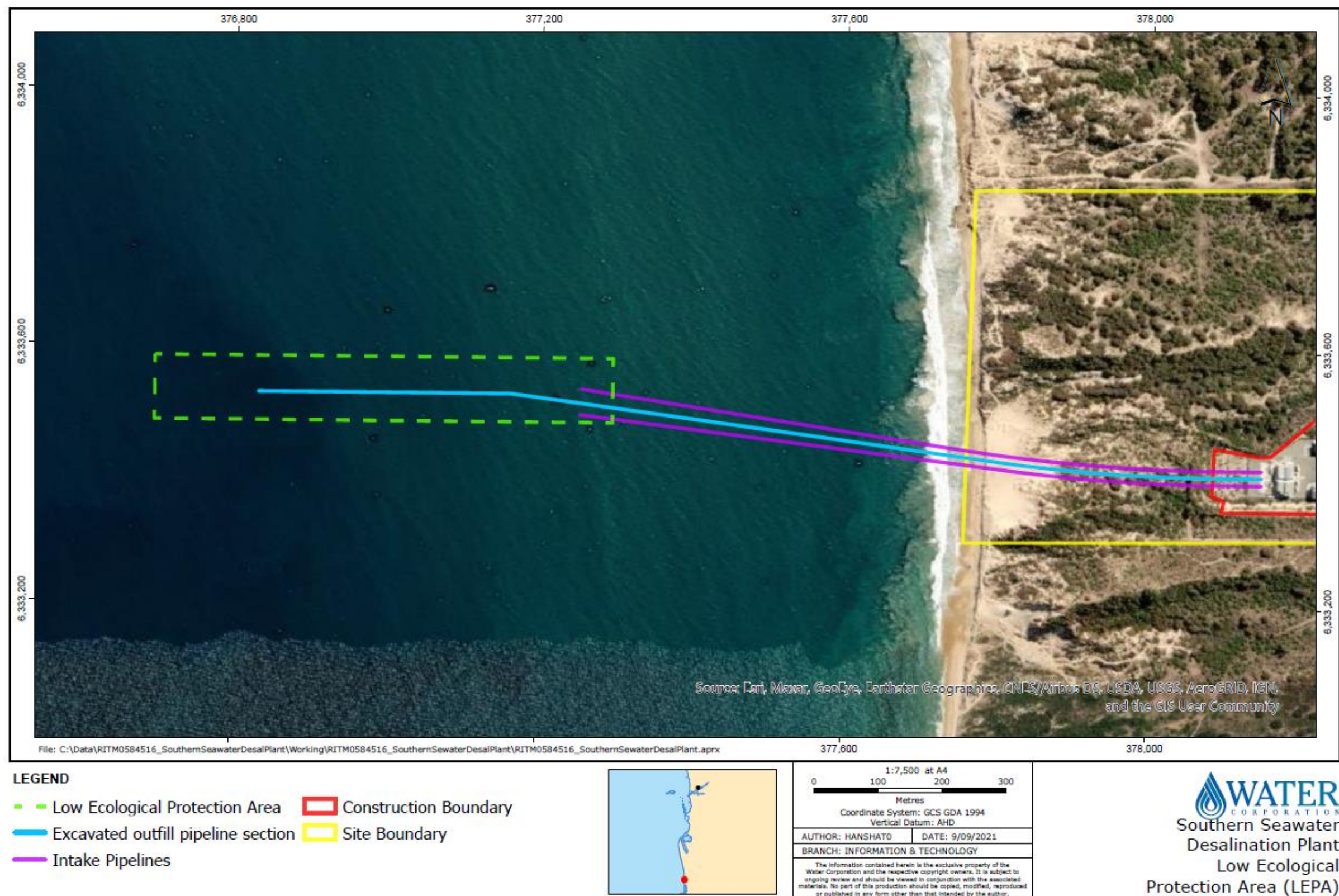


Figure No 2

Figure 2: Map of the LEPA boundary

L8466/2010/3 (Amended 26 June 2023)

IR-T06 Licence template (v8.0) (September 2022)

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates in Table 10.

Table 10: Premises boundary coordinates (GDA Zone 50)

Latitude	Longitude
-33.132122	115.6895142
-33.1306992	115.6895676
-33.1292381	115.689621
-33.127182	115.6896973
-33.127182	115.6896973
-33.132122	115.692482
-33.1271858	115.692627
-33.1321259	115.6954117
-33.1271858	115.695549
-33.1321259	115.6983337
-33.1271896	115.6984787
-33.1321297	115.7012634
-33.1271896	115.7014084
-33.1271896	115.7033691
-33.1272545	115.7034912
-33.1271935	115.7036743
-33.1271935	115.7041473
-33.1321297	115.7041855
-33.1321297	115.7058258
-33.1319695	115.7060318
-33.1309433	115.7060776
-33.1294823	115.706131
-33.1269951	115.7061691
-33.1280212	115.706192
-33.1270447	115.7062302