



Licence number	L9277/2021/1
Licence holder	Wicklow Hills (WA) Pty Ltd
ACN	643 203 098
Registered business address	5250 Bindoon Moora Road GILLINGARRA WA 6510
DWER file number	DER2021/000018
Duration	01/07/2021 to 30/06/2026
Date of transfer	15/08/2022
Premises details	Olsens Farm 620 Rows Rd YATHROO WA 6507 Being Lot 1 on Diagram 35688 Volume 141 Folio 173A and Lot 3 on Diagram 34871 Volume 141 Folio 172A

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 61A: Solid waste facility – premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated, or discharged onto land.	50,000 tonnes per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 15 August 2022, by:

Melissa Chamberlain
A/MANAGER 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
01/07/2021	L9277/2021/1	<i>Licence granted.</i>
15/08/2022	L9277/2021/1	<i>Licence transferred to Wicklow Hills (WA) Pty Ltd</i>

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:

Premises operation

1. The licence holder must only accept onto the premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets the corresponding acceptance specification set out in Table 1.

Table 1: Waste acceptance

Waste type	Rate at which waste is received	Acceptance specification
Biosolids	50,000 tonnes per annual period	<ol style="list-style-type: none"> a) dewatered biosolids cake or dewatered biosolids LAB; b) biosolids graded as P3C2 or higher quality in accordance with the Biosolids Guidelines; c) from Water Corporation wastewater treatment plants only; and d) only for use within the premises

2. The licence holder must ensure that the waste types specified in Table 2 are only subjected to the corresponding processes, limits and/or specifications set out in Table 2.

Table 2: Waste processing

Waste type	Process	Process requirements ¹
Biosolids	Storage	<ol style="list-style-type: none"> a) Stored at a location deemed suitable for biosolids application in accordance with Condition 2 Table 2; b) Stored on ground with a slope gradient of $\leq 3\%$, unless stored within a bunded area; c) Protected from unauthorised access; d) LAB with a pathogen grade of P3 treated by the addition of lime is stored for not more than 7 days; e) Cake is stored for not more than 30 days, unless stored within a bunded area; f) LAB is monitored for flystrike at least once during storage between 01 October and 31 May; g) If Cake is stored for more than seven (7) days between 01 October and 31 May, visual flystrike monitoring is to be undertaken weekly by the licence holder and flystrike monitoring by an entomologist is to be undertaken fortnightly; h) When flystrike is detected a contingency plan should be enacted that includes at the least: <ol style="list-style-type: none"> i. Infected biosolids are spread within one (1) day of detection; and ii. Where spreading of biosolids within one (1) day is not possible, the biosolids are treated with insecticide;

		<ul style="list-style-type: none"> i) Storage sites are 100 m away from all drinking water supply bores; and j) Storage sites are 100 m away from surface water bodies including dams.
	Bunded areas	<ul style="list-style-type: none"> k) To be constructed upon a ground surface and with bund walls that have a low permeability. To be constructed of improved material if earth bunds are unable to meet all other bund requirements; l) Bunds are to surround the stockpile area on all sides; m) Bunds are to adequately contain biosolids within the walls; n) Bunds are to ensure overland stormwater runoff does not enter the stockpile area; o) Runoff diversion drains to be installed on the upslope side of the bunded area, if necessary, to prevent erosion of the bund walls; and
	Land application	<ul style="list-style-type: none"> p) Biosolids are not to be applied within the following minimum buffer distances for the following specified areas: <ul style="list-style-type: none"> i. 1000 m of any occupied residences offsite of the Premises unless written consent of the occupier of the residence has been obtained; ii. 100 m of any occupied residences within the Premises; iii. 400 m of any wetland vegetation surrounding estuaries and lakes; iv. 200 m surrounding conservation wetlands; v. 100 m surrounding private drinking water supply bores, high water mark for agricultural dams, permanent creeks, streams, rivers and other wetlands; vi. 50 m surrounding agricultural, stock and domestic non-drinking water supply bores, banks of intermittent flow water courses, and animal enclosures; vii. 5 m surrounding farm driveways, access roads and fence lines. q) Biosolids are not to be applied to land comprising gravel or bare rock; r) Ensure that the quantity of biosolids per hectare directly applied to land does not exceed the Limiting Factor for that particular paddock, crop type and biosolids composition; s) Ensure that biosolids are to be applied at rates not exceeding PLBAR where reactive Fe in the receiving paddock is less than 200 mg/kg. t) Ensure application is carried out as per the biosolids application assessment details within the Review of Environmental Factors report and any subsequent assessments submitted to the CEO; u) Biosolids are not to be applied pending or during inclement

		<p>weather;</p> <p>v) Biosolids are to be incorporated into the soil profile within 36 hours of application to the land unless soil and weather conditions are considered unfavorable;</p> <p>w) Ensure soil conservation practices are implemented on 6-12% slopes to minimise soil erosion; and</p> <p>x) Biosolids are not to be applied on land with slopes >12%.</p>
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3. The licence holder must ensure that a Review of Environmental Factors is undertaken for any application of biosolids on the premises outside the scope of the document titled "Review of Environmental Factors Olsens Farm, Water Corporation (2021)". The Review of Environmental Factors must:

- (a) Specify the following information:
 - (i) source and type of biosolids;
 - (ii) application area and crop type;
 - (iii) contaminant and pathogen grade based on Biosolids Guidelines;
 - (iv) indicative application rates (dry and wet tonnes per hectare);
 - (v) total application quantity (dry and wet tonnes); and
 - (vi) proposed timing of application;
- (b) Verify that limiting factors and acceptable application rates have been identified and are managed for the proposed application, including the provision of contaminant and nutrient limited application rate calculation methods;
- (c) Ensure that biosolids are to be applied at rates not exceeding PLBAR where reactive Fe in the receiving paddock is less than 200 mg/kg.
- (d) Include a map which identifies:
 - (i) proposed stockpile locations;
 - (ii) applicable buffer areas in accordance with Condition 2 Table 2; and
 - (iii) areas unsuitable for biosolids applications in accordance with Condition 2 Table 2;
- (e) Be submitted to the CEO at least 60 days before the relevant biosolids allocation is received at the premises.

Monitoring

4. The licence holder must record the total amount of waste accepted onto the premises, for each waste type listed in Table 3, in the corresponding unit, and for each corresponding time period, as set out in Table 3.

Table 3: Waste accepted onto the premises

Waste type	Unit	Time period
Biosolids input	Wet and dry tonnes	Each allocation accepted at the Premises

5. The licence holder must record the total amount of waste removed from the premises, for each waste type listed in Table 4, in the corresponding unit, and for each corresponding time period set out in Table 4.

Table 4: Waste removed from the premises

Waste type	Unit	Time period
Biosolids input	Wet and dry tonnes	Each load leaving or rejected from the Premises

Records and reporting

6. The Licence Holder shall maintain a logbook that records:
 - (a) date of acceptance at the Premises;
 - (b) type of biosolids received (LAB or cake);
 - (c) quantity of biosolids supplied (wet tonnes);
 - (d) quality of biosolids supplied (pathogen and contaminant grade);
 - (e) location of application area (i.e. paddock name);
 - (f) size of application area (hectares);
 - (g) date of application;
 - (h) application rate (NLBAR, CLBAR or PLBAR as applicable);
 - (i) slope percentage and erosion mitigation controls implemented;
 - (j) method and depth of incorporation; and
 - (k) date of Department of Health approval.
7. The Licence Holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
 - (a) the calculation of fees payable in respect of this licence;
 - (b) monitoring programmes undertaken in accordance with condition 4 and condition 5 of this licence;
 - (c) the logbook data recorded under condition 6 of this licence;
 - (d) complaints received under condition 9 of this licence; and
 - (e) any written consent requested, and the written consent obtained in accordance with Table 2 item (p) of this licence.
8. The books specified under condition 6 and condition 7 must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the licence holder for the duration of the licence; and
 - (d) be available to be produced to an inspector or the CEO as required.
9. The Licence Holder must record the following information in relation to complaints received by the Licence Holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emission from the premises:
 - (a) the name and contact details of the complainant, (if provided);

- (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
- 10.** The Licence Holder must:
- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - (b) prepare and submit to the CEO by no later than 31 days after the end of that annual period an Annual Audit Compliance Report in the approved form.
- 11.** The Licence Holder must prepare and submit to the CEO by no later than 31 days after the end of that annual period an Annual Environmental Report which shall contain the information listed in Table 5.

Table 5: Annual Environmental Report

Condition	Requirement
N/A	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.
3	Review of Environmental Factors as applicable
4	Waste accepted onto the premises
5	Waste removed from the premises
6	Logbook records
9	Summary of complaints

Definitions

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

Table 6: Definitions

Term	Definition
ACN	Australian Company Number
allocation	means each dispatch of biosolids received at the Premises, comprising all delivered from multiple truckloads.
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 1 July until 30 June of the immediately following year.
biosolids	means sludge from a wastewater treatment plant that has undergone further treatment to reduce disease causing pathogens and volatile organic matter significantly, resulting in a stabilised material suitable for beneficial use. Does not include industrial and food processing sludges.
Biosolids Guidelines	means Department of Environment and Conservation (DEC) 2012, <i>Western Australian guidelines for biosolids management</i>
books	has the same meaning given to that term under the EP Act.
Cake	means stabilized biosolids that have been dewatered by mechanical or solar means to usually greater than 15% total solids.
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
Contaminant limited biosolids application rate (CLBAR)	means the rate which ensures that the concentration of any limiting contaminants does not exceed the maximum allowable soil contaminant concentration, as calculated in the Western Australian guidelines for biosolids management.
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.
EP Act	<i>Environmental Protection Act 1986</i> (WA)

Term	Definition
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
inclement weather	means weather, which is stormy, rainy or snowy.
LAB	means Lime Amended Biosolids
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.
Limiting factor	means the lower rate of the nitrogen limited biosolids application rate (NLBAR), the contaminant limited biosolids application rate (CLBAR) and the phosphorus limited biosolids application rate (PLBAR) if required, as defined in the Western Australian guidelines for biosolids management. The Limiting Factor in relation to conditions of this Licence are stated in the respective Review of Environmental Factors report.
Nitrogen limited biosolids application rate (NLBAR)	means the nitrogen demand of the crop, as calculated in the Western Australian guideline for biosolids management.
Phosphorus limited biosolids application rate (PLBAR)	means the rate at which phosphorus can be applied to soils without excess leaching into the environment, which is only calculated for soils with limited ability to immobilize phosphorus, as calculated in the Western Australian guideline for biosolids management.
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 Figure 1 of Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
Review of Environmental Factors	means a third party independent auditor's review and certification of a proposed biosolids application.
Reactive Fe	means reactive iron as determined and referenced in Table 9 of the Biosolids Guidelines
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

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Schedule 1: Maps

Premises map

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

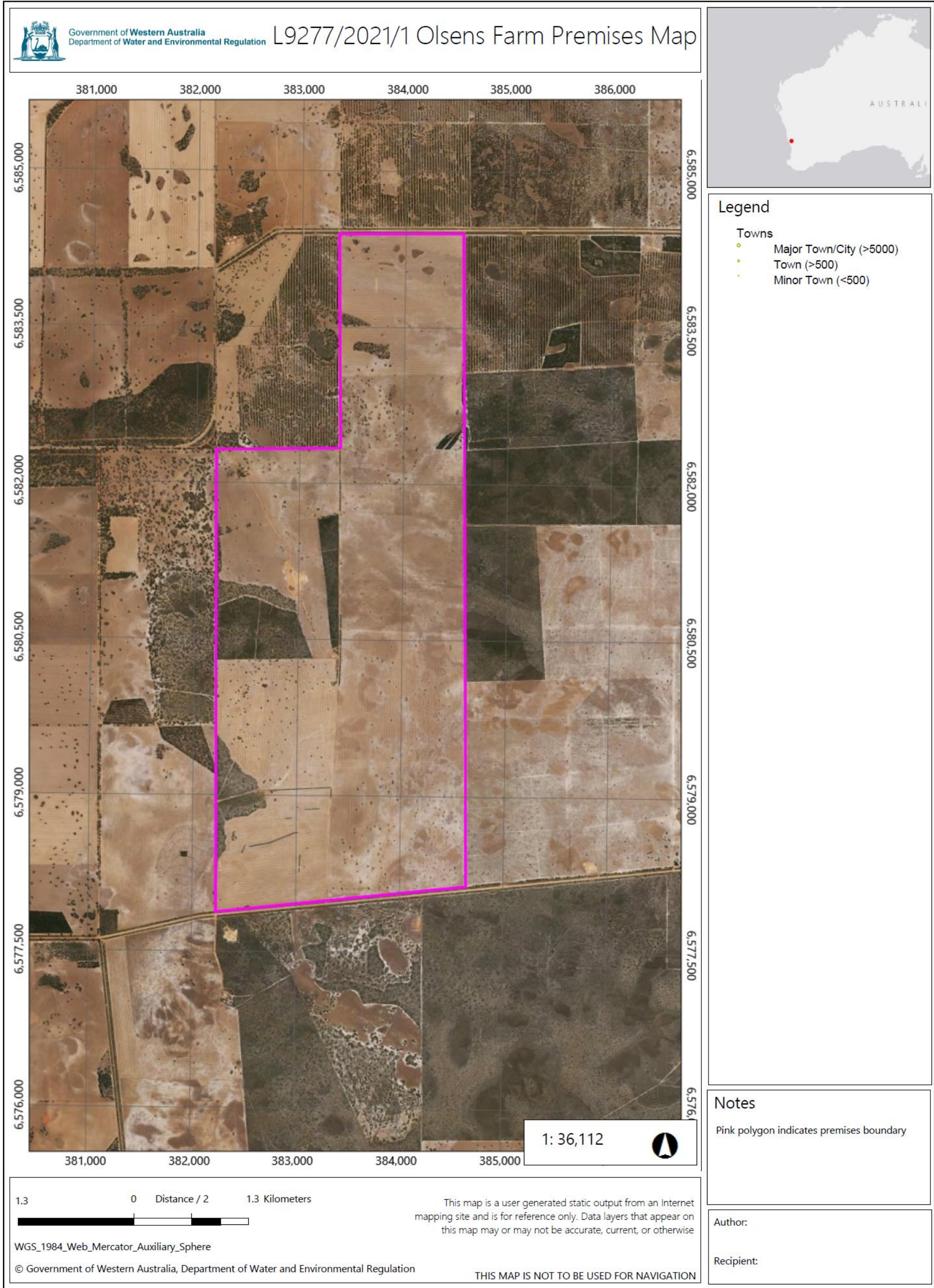


Figure 1: Map of the boundary of the prescribed premises

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IR-T06 Licence template (v7.0) (February 2020)

Site layout

The layout of the prescribed premises is shown in the map below (Figure 12).

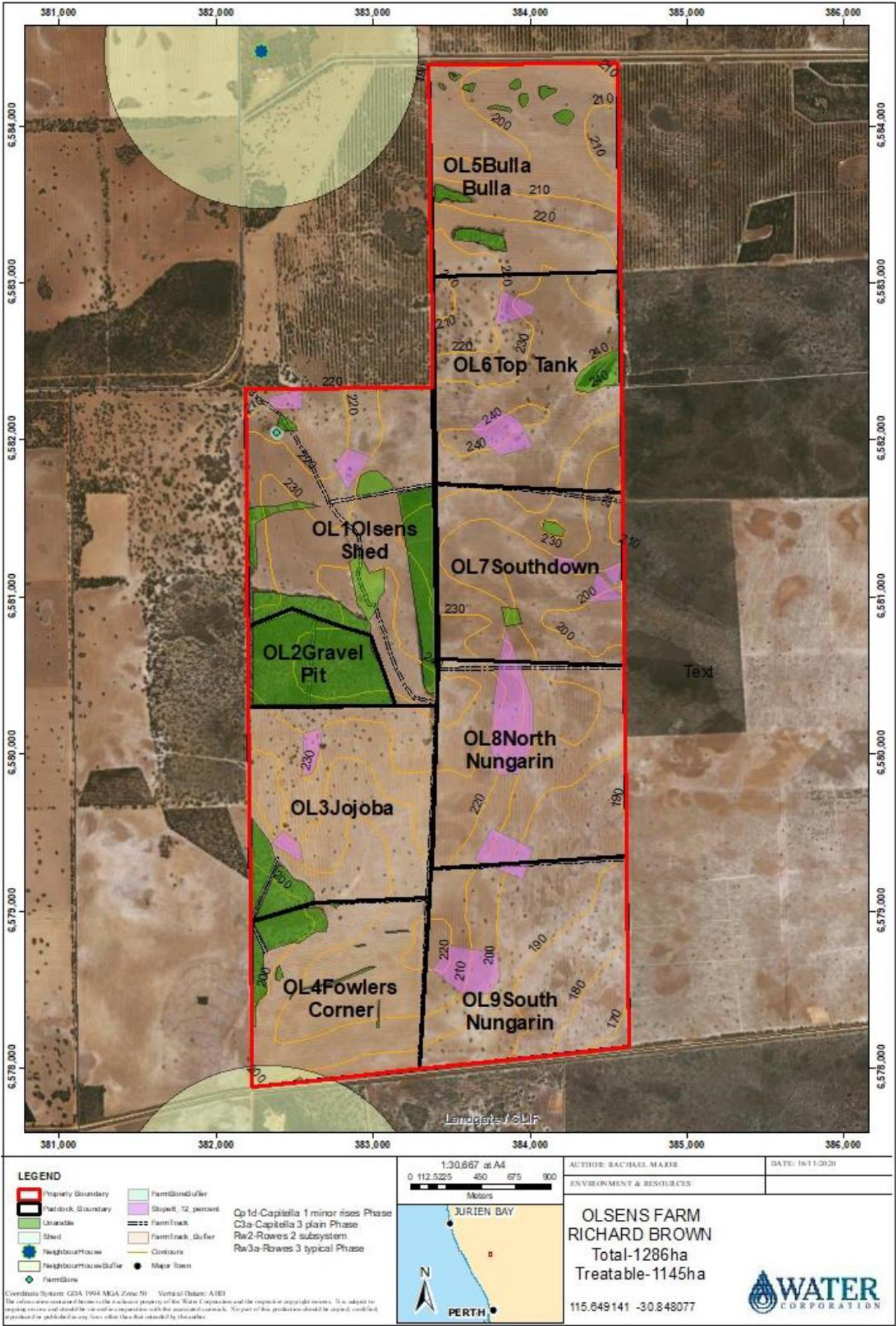


Figure 2: Paddock map indicating landscape topography and relevant buffer zones.

L9277/2021/1 (August 2022)

IR-T06 Licence template (v7.0) (February 2020)

The location of biosolid storage for QL3, QL6 and QL9 is shown in the maps below (Figure 13-5).

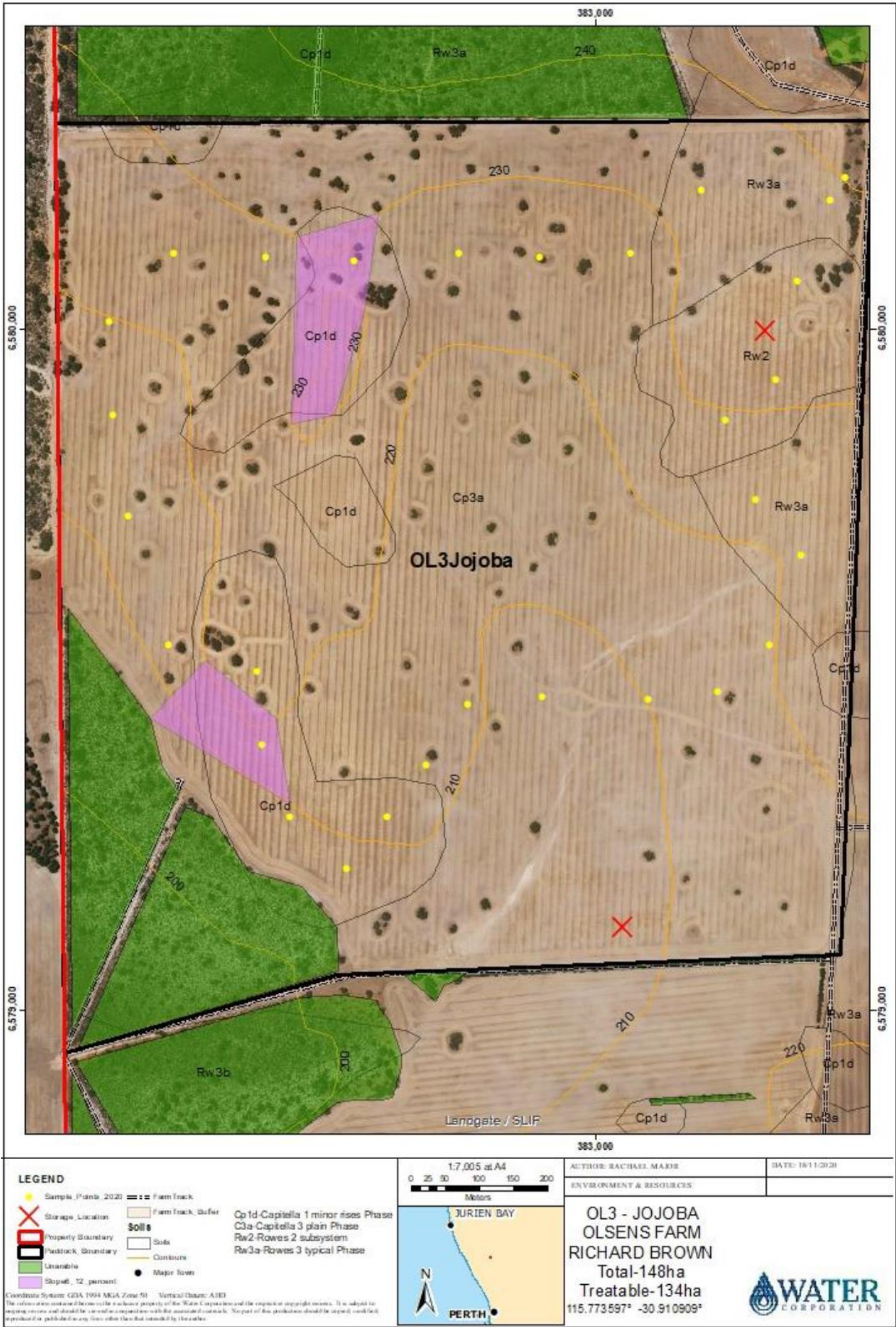


Figure 3: Paddock Map OL3 – Jojoba

L9277/2021/1 (August 2022)

IR-T06 Licence template (v7.0) (February 2020)



Figure 4: Paddock Map OL6 – Top Tank

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IR-T06 Licence template (v7.0) (February 2020)



Figure 5: Paddock Map OL9 – South Nungarin

