



Photo plate 33; a photo of the upstream end of culvert 6, taken facing south



Photo plate 34; a photo of the downstream end of culvert 6, taken facing southwest



Photo plate 35; an image showing the wetland downstream of culvert 6 & 7



Photo plate 36; a photo of the downstream end of culvert 7, taken facing northwest



Photo plate 37; a photo of the downstream side of culvert 8, taken facing east



Photo plate 38; a photo of the upstream side of culvert 8, taken facing west



Photo plate 39; a photo of the downstream side of culvert 9, taken facing northwest



Photo plate 40; an image of the wetland downstream from culvert, taken facing north



Photo plate 41; an image of a fauna grounding point located on the southern boundary fence nearby to culvert 9



Photo plate 42; a picture taken of some fill dumped near the northern fence at a GPS location recorded as fence 2. The fill intersects with a wetland area.



Photo plate 43; recently constructed section of fencing on the eastern boundary of the site, at a GPS location recorded as house pad, the fauna exclusion features were observed to be incomplete.



Photo plate 44; a photo showing a channel through which sediment was washed out from the northern boundary through a natural wetland which flowed back into the site, at a GPS location recorded as wash. The photo was taken facing northeast



Photo plate 45; a photo showing a channel through which sediment was washed out from the northern boundary through a natural wetland which flowed back into the site, at a GPS location recorded as wash. The photo was taken facing south



Photo plate 46; An image of Eastern Grey Kangaroos, seen outside of the site boundary

Appendix 12–

For Road Upgrade Design Plans refer to: Evolve Environmental Solutions, 1st of June 2022. Annual Compliance Report - Woolooga Solar Farm, Lower Wonga, Queensland.

Appendix 13 –

Delineating no-go zones – Photos and Induction Slides



Woolooga Solar Farm,
Lower Wonga, Queensland
(EPBC 2019/8554)



Woolooga Solar Farm,
Lower Wonga, Queensland
(EPBC 2019/8554)

SITE SPECIFIC ENVIRONMENTAL ISSUES

Site-specific Environmental issues include, but is not limited to:

- Erosion and sedimentation control is in place to prevent water and sediment runoff to adjoining lands. All workers are to ensure that measures are not damaged or altered. Any changes to these are to be reported to PCL;
- All project workers are to remain inside the Project boundaries and to avoid causing any damage to any remnant native vegetation in the vicinity of the construction site, workers can only access areas outside the fence line with Lightsource bp permission;



SITE SPECIFIC ENVIRONMENTAL ISSUES

- Environmentally sensitive areas include remnant vegetation located on and around the project. These areas are not to be entered and include a buffer zone of 25m surrounding them.
- Environmentally sensitive areas are flagged off with orange flagging and signed.
- All construction activities need to minimize noise and vibration to avoid disturbance of residents and nearby properties;
- Waste bins are located throughout the project and all contractors are required to apply good waste management principles including waste separation and recycling.





ENVIRONMENTAL REQUIREMENTS

- Correct Waste Management particularly separation of waste materials.
- Correct storage and handling of any dangerous or hazardous materials.
- Correct management of fuel storage areas including fuel deliveries to site.
 - Appropriate bunding and spill containment measures in place.
- Maintain environmental controls such as silt fences and rock filters.
- Workers prohibited from entering flagged off and signed environmentally sensitive areas.



Appendix 14 –

Waterway Barrier Works DA forms and Culvert Plan

Template 4 – Waterway barrier works

(version 1.1)

This template must be completed and submitted with *DA Form 1 – Development application details* for all development applications operational works involving waterway barrier works.

It is mandatory to complete the details in all applicable parts in this form and provide any supporting information that is required to accompany your development application, unless stated otherwise.

Additional pages may be attached if there is insufficient space on this template for any questions.

Note: All terms used within this template have the meaning given under the Planning Act 2016, the Planning Regulation 2017, or the Development Assessment Rules (DA Rules), Fisheries Act 1994 and Fisheries Regulation 2008.

Part 1 – DEVELOPMENT DETAILS

1) Has a Fish Movement Exemption Notice been issued for the proposed works?	<input type="checkbox"/> Yes – a copy of the Fish Movement Exemption Notice for the proposed work is attached <input checked="" type="checkbox"/> No – details of how the proposed work provides for adequate fish movement is attached
---	--

2) What is the nature of the proposed waterway barrier(s)? (tick all applicable boxes)	<input checked="" type="checkbox"/> New construction <input type="checkbox"/> Temporary <input type="checkbox"/> Partial	<input type="checkbox"/> Raise existing <input type="checkbox"/> Permanent <input type="checkbox"/> Bank to bank
---	--	--

3) What type is the proposed work? (tick all applicable boxes) <i>Note: An individual section must be completed for each barrier relevant to this development application. Also ensure that the relevant plans that accompany the development application identify the location of existing works and proposed works.</i>	Type	Number of barriers	Parts to complete
	<input type="checkbox"/> Dam, weir or a barrage		2 only
	<input checked="" type="checkbox"/> Culvert		3 only
	<input type="checkbox"/> Causeway		4 only
	<input type="checkbox"/> Bridge pylon (abutments or pile foundations)		4 only
	<input type="checkbox"/> Flow-control structure such as a floodgate		4 only
	<input type="checkbox"/> Pollution-control device (e.g. trash rack or boom gate)		4 only
	<input type="checkbox"/> Levee bank across a waterway		4 only
<input type="checkbox"/> Other – specify below (e.g. groyne, construction platform, sediment curtain, causeway)		4 only	

Part 2 – CONSTRUCTING A NEW OR RAISING/MODIFYING AN EXISTING DAM, WEIR, BARRAGE, BUND WALL, COFFER DAM OR OTHER SIMILAR STRUCTURES

Note: If the development application involves more than one barrier relating to this part, generate another part 2 and attach to the application.

4) What is the proposed development application seeking approval for?	<input type="checkbox"/> New barrier <input type="checkbox"/> Raising/modifying an existing barrier
---	--

5) Briefly describe the type of barrier proposed (i.e. dam, weir, tidal barrage)	
---	--



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6) If the barrier is temporary (*in place less than 12 months*) how many days will the barrier be in place?

7) Will the barrier extend across the waterway from bank to bank?

☐ Yes, go to question 8

☐ No

7.1) What is the length of the proposed barrier? (*across the waterway*)

metres

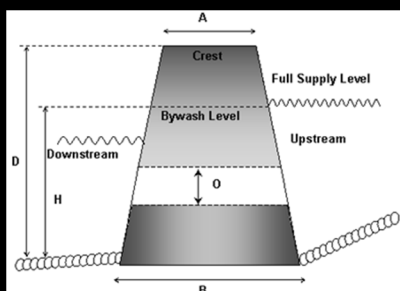
7.2) What is the width of the waterway? (*bank to bank*)

metres

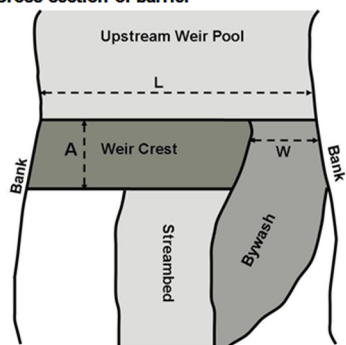
8) What is the purpose of the proposed barrier? (*e.g. creating a new or increasing the capacity of the existing water storage, maintenance work*)

9) What are the details of the proposed construction materials? (*e.g. earth, concrete, rock fill, steel, timber, sand*)

10) Provide the following details of the proposed barrier in reference to the diagrams below.



Cross section of barrier



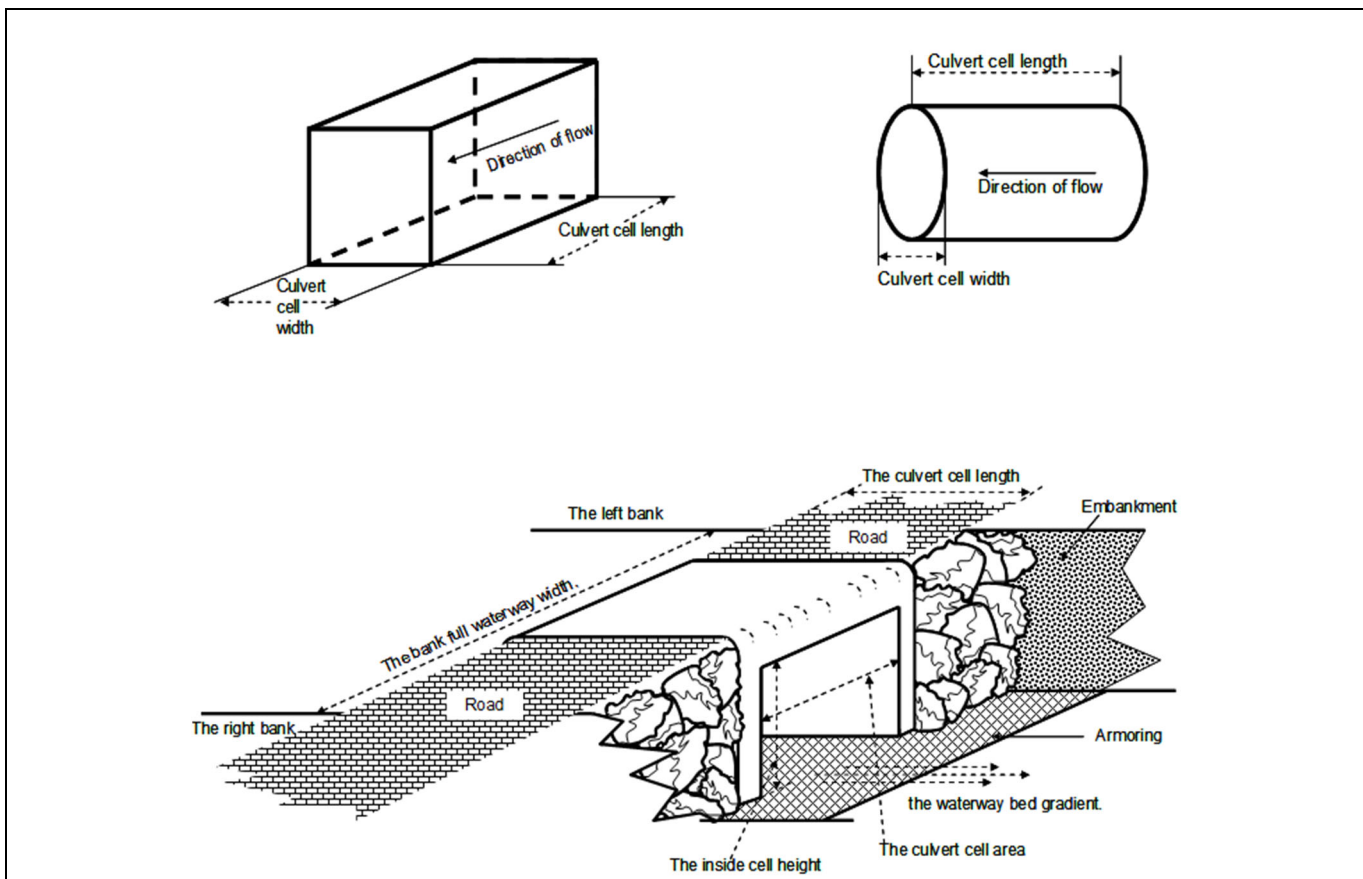
Aerial view of waterway

Total crest height (D)		metres
Thickness (A) of crest		metres
Height of spillway/bywash (H)		metres
Width of spillway/bywash inlet (W)		metres
Base width (B)		metres
Internal diameter (O) of outlet pipe/works and discharge capacity		millimetres
Length of wall (L)		metres
Distance of backup from barrier wall at full supply level		metres
Volume of storage		megalitres
If raising an existing waterway barrier, additional height above existing crest		metres
If raising an existing waterway barrier, method of raising (e.g. capping crest, inflatable bag, gates etc.).		

Part 3 – CONSTRUCTING A NEW OR MODIFYING (INCLUDING MAINTENANCE AND REPLACEMENT OF) AN EXISTING CULVERT

Note: If the development application involves more than one culvert relating to this part, please generate another part 3 and attach to the application.

11) What is the nature of the proposed work?	<input checked="" type="checkbox"/> Construction of a new culvert <input type="checkbox"/> Maintenance of an existing culvert <input type="checkbox"/> Replacement of an existing culvert		
12) What is the purpose of the proposed culvert?	Internal access road crossing existing valleys and waterways		
13) If the culvert is temporary (<i>in place less than 12 months</i>) how many days will the culvert be in place?	Not temporary		
14) Will the culvert extend across the waterway from bank to bank?	<input checked="" type="checkbox"/> Yes, go to question 15 <input type="checkbox"/> No		
14.1) What is the length of the proposed culvert? (<i>across the waterway</i>)		metres	
14.2) What is the width of the waterway? (<i>bank to bank</i>)		metres	
15) What type of culvert is proposed? (<i>Tick all applicable boxes</i>)	<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Box culvert <input type="checkbox"/> Combination culvert </div> <div> <input type="checkbox"/> Arch culvert <input type="checkbox"/> Other – please specify </div> <div> <input type="checkbox"/> Pipe culvert </div> </div>		
16) In reference to the diagrams below, provide the following details of the proposed culvert.	How many culvert cells are there?	3	
	What is the upstream downstream culvert cell length?	Gympie Regional Council Specifications to be met	metres
	What is the inside cell width of each culvert (or diameter of pipe culvert)?	Gympie Regional Council Specifications to be met	metres
	What is the internal height within the culvert cell?	Gympie Regional Council Specifications to be met	metres



Part 4 – CONSTRUCTING NEW OR MODIFYING (INCLUDING MAINTENANCE AND REPLACEMENT) AN EXISTING WATERWAY BARRIER EXCEPT THOSE LISTED IN PARTS 2 AND 3

Note: If the development application involves more than one barrier relating to this part, please generate another part 4 and attach to the application.

17) What is the nature of the proposed work?	<input type="checkbox"/> Construction of a new barrier <input type="checkbox"/> Maintenance of an existing barrier <input type="checkbox"/> Replacement of an existing barrier
18) Briefly describe the proposed barrier.	
19) If the barrier is temporary (<i>in place less than 12 months</i>) how many days will the barrier be in place?	
20) Will the barrier extend across the waterway from bank to bank?	<input type="checkbox"/> Yes, complete question 20.1 and 20.2 <input type="checkbox"/> No
20.1) What is the length of proposed barrier? (<i>across the waterway</i>)	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>
20.2) What is the width of the waterway? (<i>bank to bank</i>)	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>
	metres metres

21) What is the purpose of the proposed barrier?

22) What is the maximum height of the proposed barrier above the existing bed level?

metres

23) What are the proposed construction materials? (e.g. earth, concrete, rock fill, timber, sand)

24) Does the barrier follow the natural gradient of the bed level?

☐ Yes

☐ No

Template 4 – Waterway barrier works

(version 1.1)

This template must be completed and submitted with *DA Form 1 – Development application details* for all development applications operational works involving waterway barrier works.

It is mandatory to complete the details in all applicable parts in this form and provide any supporting information that is required to accompany your development application, unless stated otherwise.

Additional pages may be attached if there is insufficient space on this template for any questions.

Note: All terms used within this template have the meaning given under the Planning Act 2016, the Planning Regulation 2017, or the Development Assessment Rules (DA Rules), Fisheries Act 1994 and Fisheries Regulation 2008.

Part 1 – DEVELOPMENT DETAILS

1) Has a Fish Movement Exemption Notice been issued for the proposed works?	<input type="checkbox"/> Yes – a copy of the Fish Movement Exemption Notice for the proposed work is attached <input checked="" type="checkbox"/> No – details of how the proposed work provides for adequate fish movement is attached
---	--

2) What is the nature of the proposed waterway barrier(s)? (tick all applicable boxes)	<input checked="" type="checkbox"/> New construction <input type="checkbox"/> Temporary <input type="checkbox"/> Partial	<input type="checkbox"/> Raise existing <input type="checkbox"/> Permanent <input type="checkbox"/> Bank to bank
---	--	--

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	<input type="checkbox"/> Flow-control structure such as a floodgate		4 only
	<input type="checkbox"/> Pollution-control device (e.g. trash rack or boom gate)		4 only
	<input type="checkbox"/> Levee bank across a waterway		4 only
<input type="checkbox"/> Other – specify below (e.g. groyne, construction platform, sediment curtain, causeway)			4 only

Part 2 – CONSTRUCTING A NEW OR RAISING/MODIFYING AN EXISTING DAM, WEIR, BARRAGE, BUND WALL, COFFER DAM OR OTHER SIMILAR STRUCTURES

Note: If the development application involves more than one barrier relating to this part, generate another part 2 and attach to the application.

4) What is the proposed development application seeking approval for?	<input type="checkbox"/> New barrier <input type="checkbox"/> Raising/modifying an existing barrier
---	--

5) Briefly describe the type of barrier proposed (i.e. dam, weir, tidal barrage)	
---	--



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Government**

6) If the barrier is temporary (*in place less than 12 months*) how many days will the barrier be in place?

7) Will the barrier extend across the waterway from bank to bank?

☐ Yes, go to question 8

☐ No

7.1) What is the length of the proposed barrier? (*across the waterway*)

metres

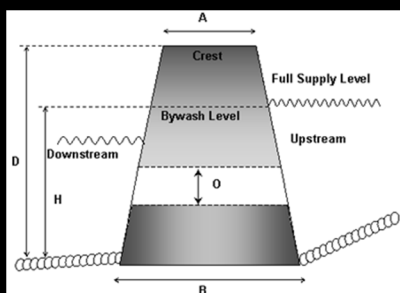
7.2) What is the width of the waterway? (*bank to bank*)

metres

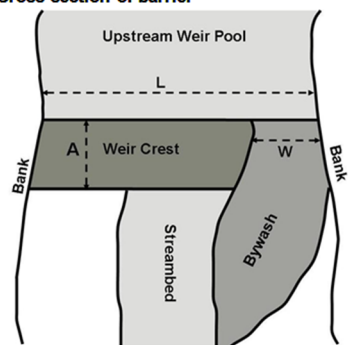
8) What is the purpose of the proposed barrier? (*e.g. creating a new or increasing the capacity of the existing water storage, maintenance work*)

9) What are the details of the proposed construction materials? (*e.g. earth, concrete, rock fill, steel, timber, sand*)

10) Provide the following details of the proposed barrier in reference to the diagrams below.



Cross section of barrier



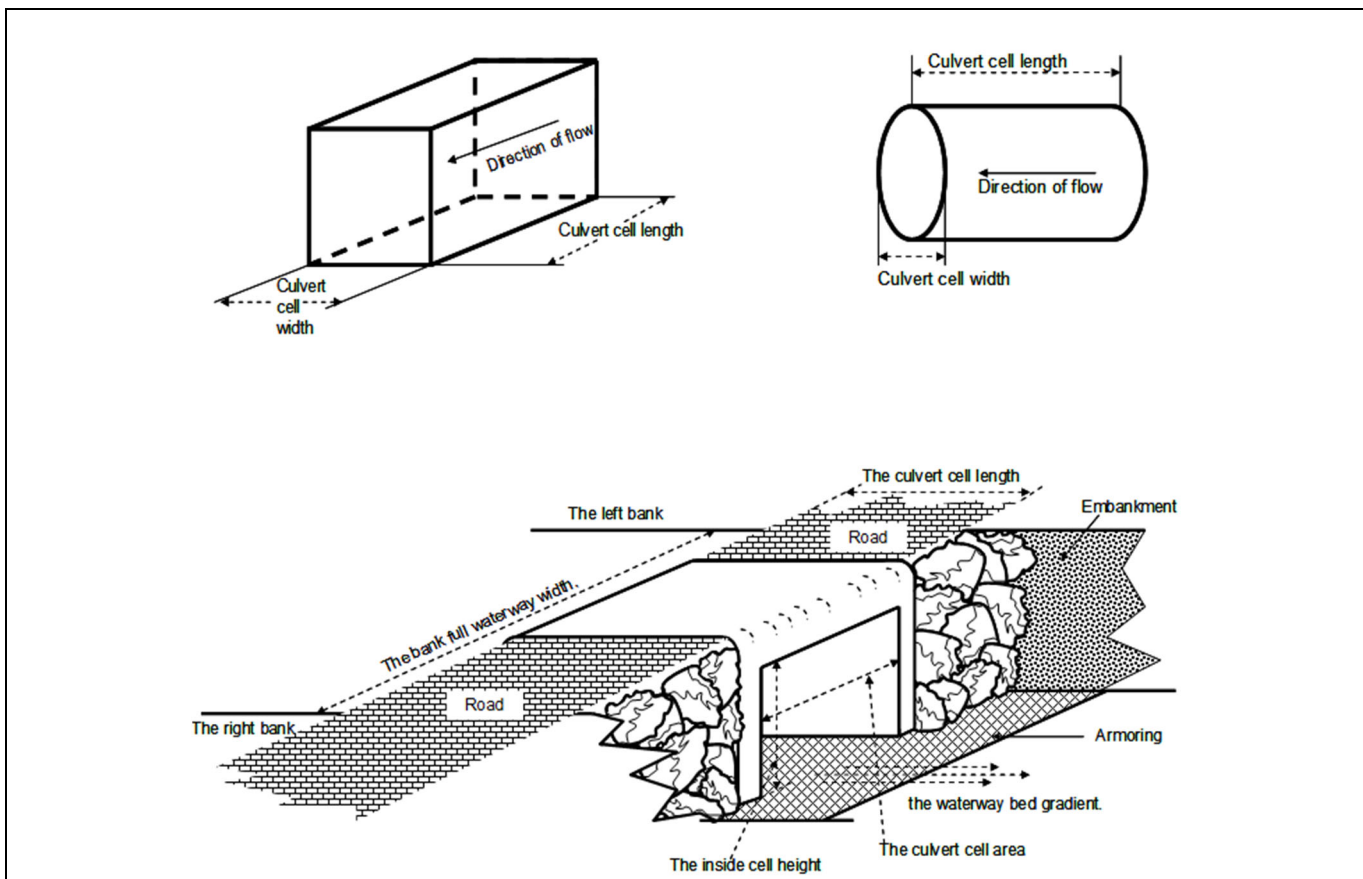
Aerial view of waterway

Total crest height (D)		metres
Thickness (A) of crest		metres
Height of spillway/bywash (H)		metres
Width of spillway/bywash inlet (W)		metres
Base width (B)		metres
Internal diameter (O) of outlet pipe/works and discharge capacity		millimetres
Length of wall (L)		metres
Distance of backup from barrier wall at full supply level		metres
Volume of storage		megalitres
If raising an existing waterway barrier, additional height above existing crest		metres
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Note: If the development application involves more than one culvert relating to this part, please generate another part 3 and attach to the application.

11) What is the nature of the proposed work?	<input checked="" type="checkbox"/> Construction of a new culvert <input type="checkbox"/> Maintenance of an existing culvert <input type="checkbox"/> Replacement of an existing culvert		
12) What is the purpose of the proposed culvert?	Internal access road crossing existing valleys and waterways		
13) If the culvert is temporary (<i>in place less than 12 months</i>) how many days will the culvert be in place?	Not temporary		
14) Will the culvert extend across the waterway from bank to bank?	<input checked="" type="checkbox"/> Yes, go to question 15 <input type="checkbox"/> No		
14.1) What is the length of the proposed culvert? (<i>across the waterway</i>)		metres	
14.2) What is the width of the waterway? (<i>bank to bank</i>)		metres	
15) What type of culvert is proposed? (<i>Tick all applicable boxes</i>)	<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Box culvert <input type="checkbox"/> Combination culvert </div> <div> <input type="checkbox"/> Arch culvert <input type="checkbox"/> Other – please specify </div> <div> <input type="checkbox"/> Pipe culvert </div> </div>		
16) In reference to the diagrams below, provide the following details of the proposed culvert.	How many culvert cells are there?	3	
	What is the upstream downstream culvert cell length?	Gympie Regional Council Specifications to be met	metres
	What is the inside cell width of each culvert (or diameter of pipe culvert)?	Gympie Regional Council Specifications to be met	metres
	What is the internal height within the culvert cell?	Gympie Regional Council Specifications to be met	metres



Part 4 – CONSTRUCTING NEW OR MODIFYING (INCLUDING MAINTENANCE AND REPLACEMENT) AN EXISTING WATERWAY BARRIER EXCEPT THOSE LISTED IN PARTS 2 AND 3

Note: If the development application involves more than one barrier relating to this part, please generate another part 4 and attach to the application.

17) What is the nature of the proposed work?	<input type="checkbox"/> Construction of a new barrier <input type="checkbox"/> Maintenance of an existing barrier <input type="checkbox"/> Replacement of an existing barrier	
18) Briefly describe the proposed barrier.		
19) If the barrier is temporary (<i>in place less than 12 months</i>) how many days will the barrier be in place?		
20) Will the barrier extend across the waterway from bank to bank?	<input type="checkbox"/> Yes, complete question 20.1 and 20.2 <input type="checkbox"/> No	
20.1) What is the length of proposed barrier? (<i>across the waterway</i>)		metres
20.2) What is the width of the waterway? (<i>bank to bank</i>)		metres

21) What is the purpose of the proposed barrier?

22) What is the maximum height of the proposed barrier above the existing bed level?

metres

23) What are the proposed construction materials? (e.g. earth, concrete, rock fill, timber, sand)

24) Does the barrier follow the natural gradient of the bed level?

☐ Yes

☐ No

Appendix 15 –

Weed Declaration certificate and image of slashing on site

Weed hygiene declaration

Part 1: Sale or supply of things

(Examples of 'things' include fodder, grain, seed, livestock, gravel, sand, soil, mulch, packing material, machinery, vehicles or water)

This declaration is valid for supplying the thing/things specified below from to (please provide dates)

1. Thing (please tick the relevant box and provide a brief description)

☐ Fodder ☐ Grain/seeds ☐ Sand/gravel ☒ Machinery ☐ Mulch ☐ Livestock ☐ Other

Amount
(e.g. weight, size of load, number of items)

Description
(e.g. cattle, hay, dozer)

2. Has the thing been moved through, stored in, come from, or used in a place infested with:

	Yes	No	Maybe
Parthenium		<input checked="" type="checkbox"/>	
Giant rat's tail grass, American rat's tail grass, giant Parramatta grass, Parramatta grass		<input checked="" type="checkbox"/>	
Prickly acacia		<input checked="" type="checkbox"/>	
Other (provide details)		<input checked="" type="checkbox"/>	

3. If you answered 'yes' or 'maybe' in question 2, then what actions have been taken to remove or ensure that there is no weed reproductive material*? (please tick the relevant boxes and specify steps taken)

*Please refer to the definition of 'weed reproductive material' in the explanatory notes.

☐ Nil ☐ Washing/cleaning ☐ Quarantine period ☐ Chemical treatment ☐ Certified clean Other

Steps taken

4. To the best of my knowledge the thing described above still contains a weed listed in question 2 above.

Yes	No	Maybe
	<input checked="" type="checkbox"/>	

I, of

town telephone

declare that the information that I have provided in this declaration is true and correct and I have read the accompanying explanatory notes before completing this declaration.

Signature Date

Part 2: Transport of contaminated things

('Vehicle' includes anything used for carrying any thing or any person by land, water or air, and includes equipment or machinery capable of moving on land)

This declaration is valid for transport and movement of vehicles and other things from to (please provide locations)

1. Movement of vehicles—The vehicle described as: make

registration no. or engine/frame no. was clean* prior to entry to (destination)

*Please refer to the definition of 'clean' in the explanatory notes.

2. Transport of contaminated things—If you are transporting anything contaminated or possibly contaminated with any declared weed, what actions are being used to contain the weed reproductive material?

☐ Nil ☐ Covered with tarpaulin ☐ Enclosed within container ☐ Chemically treated Other

Actions:

I,* of

town state telephone

*If same as Part 1 please write 'as above'

declare that the information that I have provided in this declaration is true and correct and I have read the accompanying explanatory notes before completing this declaration.

Signature Date

Weed hygiene declaration

Part 1: Sale or supply of things

(Examples of 'things' include fodder, grain, seed, livestock, gravel, sand, soil, mulch, packing material, machinery, vehicles or water)

This declaration is valid for supplying the thing/things specified below from 22-3-22 to 01-7-22 (please provide dates)

1. Thing (please tick the relevant box and provide a brief description)

☐ Fodder ☐ Grain/seeds ☐ Sand/gravel ☐ Machinery ☐ Mulch ☐ Livestock ☒ Other

Amount

1

(e.g. weight, size of load, number of items)

Description

LV-Ute - 486TSE

(e.g. cattle, hay, dozer)

2. Has the thing been moved through, stored in, come from, or used in a place infested with:

	Yes	No	Maybe
Parthenium		<input checked="" type="checkbox"/>	
Giant rat's tail grass, American rat's tail grass, giant Parramatta grass, Parramatta grass		<input checked="" type="checkbox"/>	
Prickly acacia		<input checked="" type="checkbox"/>	
Other (provide details)		<input checked="" type="checkbox"/>	

3. If you answered 'yes' or 'maybe' in question 2, then what actions have been taken to remove or ensure that there is no weed reproductive material*? (please tick the relevant boxes and specify steps taken)

*Please refer to the definition of 'weed reproductive material' in the explanatory notes.

☐ Nil ☐ Washing/cleaning ☐ Quarantine period ☐ Chemical treatment ☐ Certified clean N/A Other

Steps taken

N/A

4. To the best of my knowledge the thing described above still contains a weed listed in question 2 above.

Yes	No	Maybe
	<input checked="" type="checkbox"/>	

I, Richard Kingston of Oakhurst Excavations

town

Yerra

state

Qld

telephone

07 41296550

declare that the information that I have provided in this declaration is true and correct and I have read the accompanying explanatory notes before completing this declaration.

Signature

[Signature]

Date

22.3.2022

Part 2: Transport of contaminated things

('Vehicle' includes anything used for carrying any thing or any person by land, water or air, and includes equipment or machinery capable of moving on land)

This declaration is valid for transport and movement of vehicles and other things from Yerra to Wyalapa (please provide locations)

1. Movement of vehicles—The vehicle described as: make Toyota Land Cruiser Ute

registration no. or engine/frame no.

486TSE

was clean* prior to entry to

PCL Wyalapa

(destination)

*Please refer to the definition of 'clean' in the explanatory notes.

2. Transport of contaminated things—If you are transporting anything contaminated or possibly contaminated with any declared weed, what actions are being used to contain the weed reproductive material?

☒ Nil ☐ Covered with tarpaulin ☐ Enclosed within container ☐ Chemically treated ☐ Other

Actions:

I, Richard Kingston of Oakhurst Excavations

town

Yerra

state

Qld

telephone

07 41296550

*If same as Part 1 please write 'as above'

declare that the information that I have provided in this declaration is true and correct and I have read the accompanying explanatory notes before completing this declaration.

Signature

[Signature]

Date

22.3.2022

Weed hygiene declaration

Part 1: Sale or supply of things

(Examples of 'things' include fodder, grain, seed, livestock, gravel, sand, soil, mulch, packing material, machinery, vehicles or water)

This declaration is valid for supplying the thing/things specified below from to (please provide dates)

1. Thing (please tick the relevant box and provide a brief description)

☐ Fodder ☐ Grain/seeds ☐ Sand/gravel ☒ Machinery ☐ Mulch ☐ Livestock ☐ Other

Amount Description
(e.g. weight, size of load, number of items) (e.g. cattle, hay, dozer)

2. Has the thing been moved through, stored in, come from, or used in a place infested with:

	Yes	No	Maybe
Parthenium			Maybe
Giant rat's tail grass, American rat's tail grass, giant Parramatta grass, Parramatta grass			Maybe
Prickly acacia			Maybe
Other (provide details)			Maybe

3. If you answered 'yes' or 'maybe' in question 2, then what actions have been taken to remove or ensure that there is no weed reproductive material*? (please tick the relevant boxes and specify steps taken)

*Please refer to the definition of 'weed reproductive material' in the explanatory notes.

☐ Nil ☒ Washing/cleaning ☐ Quarantine period ☐ Chemical treatment ☐ Certified clean Other

Steps taken

4. To the best of my knowledge the thing described above still contains a weed listed in question 2 above.

Yes	No	Maybe
	No	

I, of

town state telephone

declare that the information that I have provided in this declaration is true and correct and I have read the accompanying explanatory notes before completing this declaration.

Signature Date

Part 2: Transport of contaminated things

(Vehicle includes anything used for carrying any thing or any person by land, water or air, and includes equipment or machinery capable of moving on land)

This declaration is valid for transport and movement of vehicles and other things from to (please provide locations)

1. Movement of vehicles—The vehicle described as: make
registration no. or engine/frame no. was clean* prior to entry to (destination)

*Please refer to the definition of 'clean' in the explanatory notes.

2. Transport of contaminated things—If you are transporting anything contaminated or possibly contaminated with any declared weed, what actions are being used to contain the weed reproductive material?

☐ Nil ☐ Covered with tarpaulin ☐ Enclosed within container ☐ Chemically treated Other

Actions:

I,* of

town state telephone

*If same as Part 1 please write 'as above'

declare that the information that I have provided in this declaration is true and correct and I have read the accompanying explanatory notes before completing this declaration.

Signature Date

Explanatory notes

This declaration was developed in response to landholders, rural industry, community and government desire to minimise the impact of weeds on their business and on the environment. It has been developed to assist in preventing the spread of weeds and other contaminants, and to meet the requirements of section 45 of the *Land Protection (Pest and Stock Route Management) Act 2002*. A completed declaration provides information on the status of a 'thing', whether it is contaminated or free of weedy material. 'Part 1: Sale or supply of things' of the declaration should be completed by the supplier then given to the receiver before they receive the thing. The receiver can then make an informed decision and take precautions to prevent new infestations. It can also provide written assurance that a vehicle is clean before entering a property.

Why use this declaration?

This declaration can provide:

- a supplier with a way of meeting the requirements of section 45 (2) of the Act, if they are supplying any thing that is or could be contaminated with the weeds listed below
- a person obtaining a thing with information on whether the thing is clean of weed reproductive material or has been infested
- assurance that a vehicle was clean* prior to entry onto a property
- assurance that any contaminated or potentially contaminated thing is being moved so as not to spread the contaminant
- assurance that a product is free of other weedy reproductive material.

Section 45 of the Act makes it an offence to supply a thing that is contaminated with a Class 1 weed or any of the Class 2 weeds listed below. However, for the Class 2 weeds, a person does not breach section 45 if they provide a written notice (Part 1 of this declaration) that states that the thing is or may be contaminated. The written notice must be filled and given to the receiver before the thing is supplied.

List of Class 2 species

The following Class 2 pests are prescribed in section 45(1)(b) of the Act. These weeds are readily able to infest a wide range of products, from livestock to grain and vehicles. These weeds have a major effect on pasture production and have the capacity to invade large areas of Queensland.

Common name	Species
American rat's tail grass	<i>Sporobolus jacquemontii</i>
Giant Parramatta grass	<i>Sporobolus fertilis</i>
Giant rat's tail grass	<i>Sporobolus pyramidalis</i> and <i>S. natalensis</i>
Parramatta grass	<i>Sporobolus africanus</i>
Parthenium	<i>Parthenium hysterophorus</i>
Prickly acacia	<i>Acacia nilotica</i>

Across Queensland, isolated outbreaks of declared plants such as those listed above are found on properties and roadsides each year. Outbreaks of these declared plants are often located hundreds of kilometres from core infestations. These outbreaks occur as a result of machinery, livestock, vehicles, fodder, grain, material and equipment contaminated with weed seeds being transported across the state. A high percentage of seed from prickly acacia and giant rats tail grass remains viable after being eaten and excreted by cattle.

*Definitions

Clean:

- For vehicles, machinery and equipment, clean means that no soil and/or organic matter that may contain weed reproductive material is on or in areas that are accessible during cleaning and maintenance work. A checklist and guidelines that show areas that are required to be clean are available at www.biosecurity.qld.gov.au
- A vehicle is considered to remain clean if it leaves its point of origin clean and only travels on sealed roads or well-maintained unsealed roads.
- For livestock, clean means that animals are internally and externally free of the reproductive material of any declared plant listed in the Land Protection (Pest and Stock Route Management) Regulation 2003. If livestock are suspected to be infested with a declared weed, then they should be quarantined within a weed-free paddock or pen for a 14-day period.

Weed reproductive material means any part of the plant that is capable of producing another plant by sexual or asexual reproduction. Examples include seeds, bulbs, rhizomes, tuber, stem or leaf cutting and the whole plant.

Well-maintained unsealed road means roads that do not have vegetation growing on or encroaching onto the area occupied by traffic.

For further information, please contact Biosecurity Queensland on 13 25 23.



Weed hygiene declaration

Part 1 – Sale or supply of things

(Examples of 'thing' include fodder, grain, seed, livestock, gravel, sand, soil, mulch, packing material, machinery, vehicles, or water)

This declaration is valid for supplying thing/things specified below from 9/11/21 to 30/12/21 (please provide dates)

1. Thing (please tick the relevant box and provide a brief description)

☐ Fodder ☐ Grain/seeds ☐ Sand/gravel ☐ Machinery ☐ Mulch ☐ Livestock ☐ Other

Amount 1 Description Toyota Hilux 2016 LV08
(e.g. weight, size of load, number of items) (e.g. cattle, hay, dozer)

2. Has the 'thing' been moved through, stored in, come from, or used in a place infested with:

	Yes	No	Maybe
Parthenium		/	
Giant rat's tail grass, American rat's tail grass, giant Parramatta grass, Parramatta grass		/	
Prickly acacia		/	
Other (provide details)		/	

3. If you answered 'yes' or 'maybe' in question 2, then what actions have been taken to remove or ensure that there is no reproductive material (please tick the relevant boxes and specify steps taken)

☐ Nil ☐ Washing/cleaning ☐ Quarantine period ☐ Chemical treatment ☐ Certified clean ☐ Other

Steps taken

4. To the best of my knowledge the 'thing' described above: still contains a weed listed in 2 above

Yes No Maybe
/

I Cathy Murray of 8 Thorn Lane
Town Ipswich State Qld Telephone 0408107582

Declare that the information that I have provided in this declaration is true and correct and I have read the accompanying explanatory notes before completing this Declaration.

Signature

Date 9/11/21

Part 2 – Transport of contaminated things

(Vehicle includes anything used for carrying anything or any person by land, water or air, and includes equipment or machinery capable of moving on land).

This declaration is valid for transport and movement of vehicles and other things from to (please provide locations)

1. Movement of vehicles. The vehicle described as: Make Toyota Hilux 2016 LV08

Registration no. or engine/frame no. 001 WWW Was *clean prior to entry to Woolooga Solew Farm (destination)

*Please refer to the definition of clean in the explanatory notes

2. Transport of contaminated things. If you are transporting anything contaminated or possibly contaminated with any declared weed, what actions are being used to contain the weed reproductive material:

☐ Nil ☐ Covered with tarpaulin ☐ Enclosed within container ☐ Chemically treated ☐ Other

Actions:

I* Cathy Murray of 8 Thorn Lane
Town Ipswich State Qld Telephone 0408107582

*If same as Part 1 please write 'as above'

Declare that the information that I have provided in this declaration is true and correct and I have read the accompanying explanatory notes before completing this Declaration.

Signature

Date 9/11/21

Weed hygiene declaration

Part 1: Sale or supply of things

(Examples of 'things' include fodder, grain, seed, livestock, gravel, sand, soil, mulch, packing material, machinery, vehicles or water)

This declaration is valid for supplying the thing/things specified below from 21/10/21 to (please provide dates)

1. Thing (please tick the relevant box and provide a brief description)

<input type="checkbox"/> Fodder <input type="checkbox"/> Grain/seeds <input type="checkbox"/> Sand/gravel <input type="checkbox"/> Machinery <input type="checkbox"/> Mulch <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Other	
Amount	Description
<div></div> (e.g. weight, size of load, number of items)	<div>323YRZ</div> (e.g. cattle, hay, dogs)

Amount

(e.g. weight, size of load, number of items)

Description **323YRZ**
(e.g. cattle, hay, dozer)

2. Has the thing been moved through, stored in, come from, or used in a place infested with: _____ (e.g. cattle, hay, dozer)

Parthenium	Yes	No	Maybe
Giant rat's tail grass, American rat's tail grass, giant Parramatta grass, Parramatta grass			✓
Prickly acacia			✓
Other (provide details)		✓	
		✓	

3. If you answered 'yes' or 'maybe' in question 2, then what actions have been taken to remove or ensure that there is no weed reproductive material*? (please tick the relevant boxes and specify steps taken)

*Please refer to the definition of 'weed reproductive material' in the explanatory notes.

☐ Nil ☒ Washing/cleaning ☐ Quarantine period ☐ Chemical treatment ☐ Certified clean Other

Steps taken	High pressure clean. Physical inspection
-------------	--

4. To the best of my knowledge the thing described above still contains a weed listed in question 2 above.

Yes	No	Maybe
	✓	

I, Stephen Wetton (Scubas Car Wash Pty Ltd) of 34 Violet Street

town state telephone

declare that the information that I have provided in this declaration is true and correct and I have read the accompanying explanatory notes before completing this declaration.

Signature _____ Date _____

Part 2: Transport of contaminated things

(‘Vehicle’ includes anything used for carrying any thing or any person by land, water or air, and includes equipment or machinery capable of moving on land)

This declaration is valid for transport and movement of vehicles and other things from to (please provide locations)

1. Movement of vehicles—The vehicle described as: make

registration no. or engine/frame no. was clean* prior to entry to (destination)

*Please refer to the definition of 'clean' in the explanatory notes

*Please refer to the definition of 'clean' in the explanatory notes.

2. Transport of contaminated things—If you are transporting anything contaminated or possibly contaminated with any declared weed, what actions are being used to contain the weed reproductive material?

☐ Nil ☐ Covered with tarpaulin ☐ Enclosed within container ☐ Chemically treated Other _____


Actions:

I,* **Stephen Wetton (Scubas Car Wash Pty Ltd)** of **34 Violet Street**

town **Gympie** state **QLD** telephone **0418772071**

*If same as Part 1 please write 'as above'

declare that the information that I have provided in this declaration is true and correct and I have read the accompanying explanatory notes before completing this declaration.

Signature 

Date 22/10/21

Explanatory notes

This declaration was developed in response to landholders, rural industry, community and government desire to minimise the impact of weeds on their business and on the environment. It has been developed to assist in preventing the spread of weeds and other contaminants, and to meet the requirements of section 45 of the *Land Protection (Pest and Stock Route Management) Act 2002*. A completed declaration provides information on the status of a 'thing', whether it is contaminated or free of weedy material. 'Part 1: Sale or supply of things' of the declaration should be completed by the supplier then given to the receiver before they receive the thing. The receiver can then make an informed decision and take precautions to prevent new infestations. It can also provide written assurance that a vehicle is clean before entering a property.

Why use this declaration?

This declaration can provide:

- a supplier with a way of meeting the requirements of section 45 (2) of the Act, if they are supplying any thing that is or could be contaminated with the weeds listed below
- a person obtaining a thing with information on whether the thing is clean of weed reproductive material or has been infested
- assurance that a vehicle was clean* prior to entry onto a property
- assurance that any contaminated or potentially contaminated thing is being moved so as not to spread the contaminant
- assurance that a product is free of other weedy reproductive material.

Section 45 of the Act makes it an offence to supply a thing that is contaminated with a Class 1 weed or any of the Class 2 weeds listed below. However, for the Class 2 weeds, a person does not breach section 45 if they provide a written notice (Part 1 of this declaration) that states that the thing is or may be contaminated. The written notice must be filled and given to the receiver before the thing is supplied.

List of Class 2 species

The following Class 2 pests are prescribed in section 45(1)(b) of the Act. These weeds are readily able to infest a wide range of products, from livestock to grain and vehicles. These weeds have a major effect on pasture production and have the capacity to invade large areas of Queensland.

Common name	Species
American rat's tail grass	<i>Sporobolus jacquemontii</i>
Giant Parramatta grass	<i>Sporobolus fertilis</i>
Giant rat's tail grass	<i>Sporobolus pyramidalis</i> and <i>S. natalensis</i>
Parramatta grass	<i>Sporobolus africanus</i>
Parthenium	<i>Parthenium hysterophorus</i>
Prickly acacia	<i>Acacia nilotica</i>

Across Queensland, isolated outbreaks of declared plants such as those listed above are found on properties and roadsides each year. Outbreaks of these declared plants are often located hundreds of kilometres from core infestations. These outbreaks occur as a result of machinery, livestock, vehicles, fodder, grain, material and equipment contaminated with weed seeds being transported across the state. A high percentage of seed from prickly acacia and giant rats tail grass remains viable after being eaten and excreted by cattle.

*Definitions

Clean:

- For vehicles, machinery and equipment, clean means that no soil and/or organic matter that may contain weed reproductive material is on or in areas that are accessible during cleaning and maintenance work. A checklist and guidelines that show areas that are required to be clean are available at www.biosecurity.qld.gov.au
- A vehicle is considered to remain clean if it leaves its point of origin clean and only travels on sealed roads or well-maintained unsealed roads.
- For livestock, clean means that animals are internally and externally free of the reproductive material of any declared plant listed in the Land Protection (Pest and Stock Route Management) Regulation 2003. If livestock are suspected to be infested with a declared weed, then they should be quarantined within a weed-free paddock or pen for a 14-day period.

Weed reproductive material means any part of the plant that is capable of producing another plant by sexual or asexual reproduction. Examples include seeds, bulbs, rhizomes, tuber, stem or leaf cutting and the whole plant.

Well-maintained unsealed road means roads that do not have vegetation growing on or encroaching onto the area occupied by traffic.

For further information, please contact Biosecurity Queensland on 13 25 23.



Woolooga Solar Farm,
Lower Wonga, Queensland
(EPBC 2019/8554)

Appendix 16—

Legal security documentation



Date: 8/02/2022

Recipient: Assistant Secretary, Environment Assessments Qld and Sea Dumping Branch, Department of Agriculture, Water and Environment

Via: Email – environment.compliance@awe.gov.au; andrew.mcnee@awe.gov.au

Written evidence of legal security – Woolooga Solar Farm offset
Ref: EPBC 2019/8554 (Decision date: 19 February 2021)

To Whom It May Concern,

On behalf of **Lightsource Development Services Australia Pty Ltd**, **Evolve Environmental Solutions** (Evolve) wish to provide the Department with written evidence demonstrating that at least 196.42 ha of land at the Woolooga Offset Site has been legally secured (by the end of Year 1), as per Condition 4(c) of EPBC approval 2019/8554. The Woolooga offset site has been legally secured via Voluntary Declaration under the *Vegetation Management Act 1999*, with the declaration made on 24th January 2022. Please find attached the voluntary declaration correspondence and documentation provided by the Department of Resources within **Appendix A**, and a shapefile of the offset area attached to this email correspondence.

Kind Regards

Adam Hutchinson

Ecology and Offsets Manager

Appendix A

Voluntary Declaration Correspondence/Documentation

24 January 2022

Diana Mitchell
Lightsource Australia SPV 3 Pty Ltd
C/I Evolve Environmental

Via email: Alittle@evolveenvironmental.com.au

Dear Diana

Re: Declaration made on part of Lots 157 on SP309572, 90 on SP237339 and 159 on SP237339 - Gympie Regional Council

This is to advise you that a declaration on has been made, consistent with your request on the above lot by the Department of Resources on 24/01/2022. A copy of each of the following documents is attached for your records:

- Notice of Declaration (2021/003798)
- Declared area map DAM 2021/003798
- V-Dec Management Plan – Woolooga Solar Farm, Lower Wonga, dated 14/12/2021
- Property map of assessable vegetation PMAV 2021/003802
- Information notice for PMAV 2021/003802

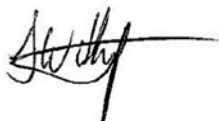
Please note, that in accordance with the declaration, management of the declared area, monitoring the condition of the declared area, and reporting on the condition of the declared area will be required. Please refer to the declaration documents for the specifics regarding such requirements.

If a registered owner requires additional copies of the certified documents, these can be purchased at Department of Resources Customer Service Centre.

This declaration will be noted on the title of the declared area—binding management, monitoring and reporting responsibilities upon current and future owners.

If you wish to discuss this matter further, please contact Rebecca Williams on telephone number 4531 8501 quoting the above reference number.

Yours sincerely



Sandra Witheyman
Senior Natural Resource Management Officer

Notice of Declaration (2021/003798)

ss19E – 19L of the *Vegetation Management Act 1999*



Department of Resources

1. Details of request

- 1.1. **Proponent's name:** Lightsource Australia SPV 3 Pty Ltd A.C.N 628 466 982
- 1.2. **Date request received:** 12/10/2021
- 1.3. **Request:** Declare stated land as an area of high nature conservation value
- 1.4. **Property description:** part of lots 157 SP309572, 90 SP237339 and 159 SP237339
- 1.5. **Land tenure:** Freehold
- 1.6. **Decision reference:** 2021/003798

2. Declaration information

2.1. Declaration made:

The Chief Executive of the Department of Resources declares the area identified on Declared Area Map DAM 2021/003798 as an area of high nature conservation value in accordance with s19F of the *Vegetation Management Act 1999*.

The chief executive considers the declared area to meet the following criteria under s19G of the *Vegetation Management Act 1999*—

The declared area is an area of high nature conservation value under s19G(1)(b), as the area is *another area that makes a significant contribution to the conservation of biodiversity*.

The documents outlined in 2.2 form part of this declaration.

2.2. Declaration documents:

The following documents form part of this declaration, and must be read in conjunction with this notice:

- ☐ Declared Area Map DAM 2021/003798
- ☐ V-Dec Management Plan – Woolooga Solar Farm, Lower Wonga, dated 14/12/2021

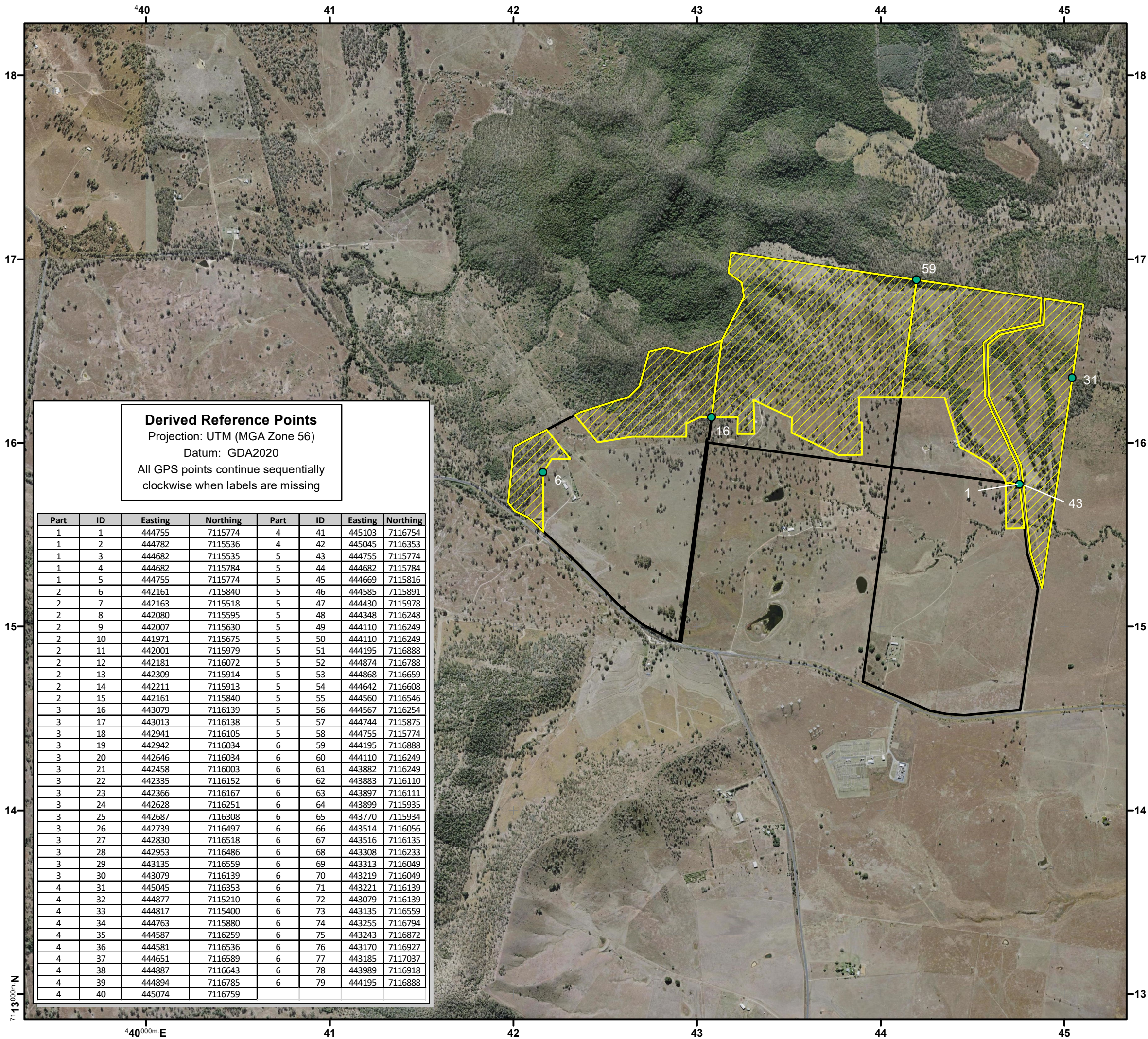
2.3. Property Map of Assessable Vegetation

In accordance with s20B(1)(a) and (b) of the *Vegetation Management Act 1999*, property map of assessable vegetation, PMAV 2021/003802, has been prepared for the declared area.

2.4. Date of Declaration: 24 January 2022

3. Delegated officer's signature

Sandra Witheyman
Senior Natural Resource Management Officer



Declared Area Map

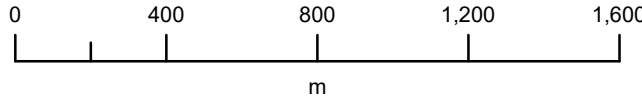
DAM 2021/003798

LOT on PLAN

157SP309572, 159SP237339, 90SP237339

Sheet
1

of
1



Scale: 1:20000
(original size A3)



LEGEND

Subject Lot(s)

Declared Area

Derived Reference Start Points

This plan must be read in conjunction with Declaration Notice 2021/003798

Notes:
Property boundary provided by Department of Resources.
The property boundaries shown on this plan are approximate only.
They are not an accurate representation of the legal boundaries.

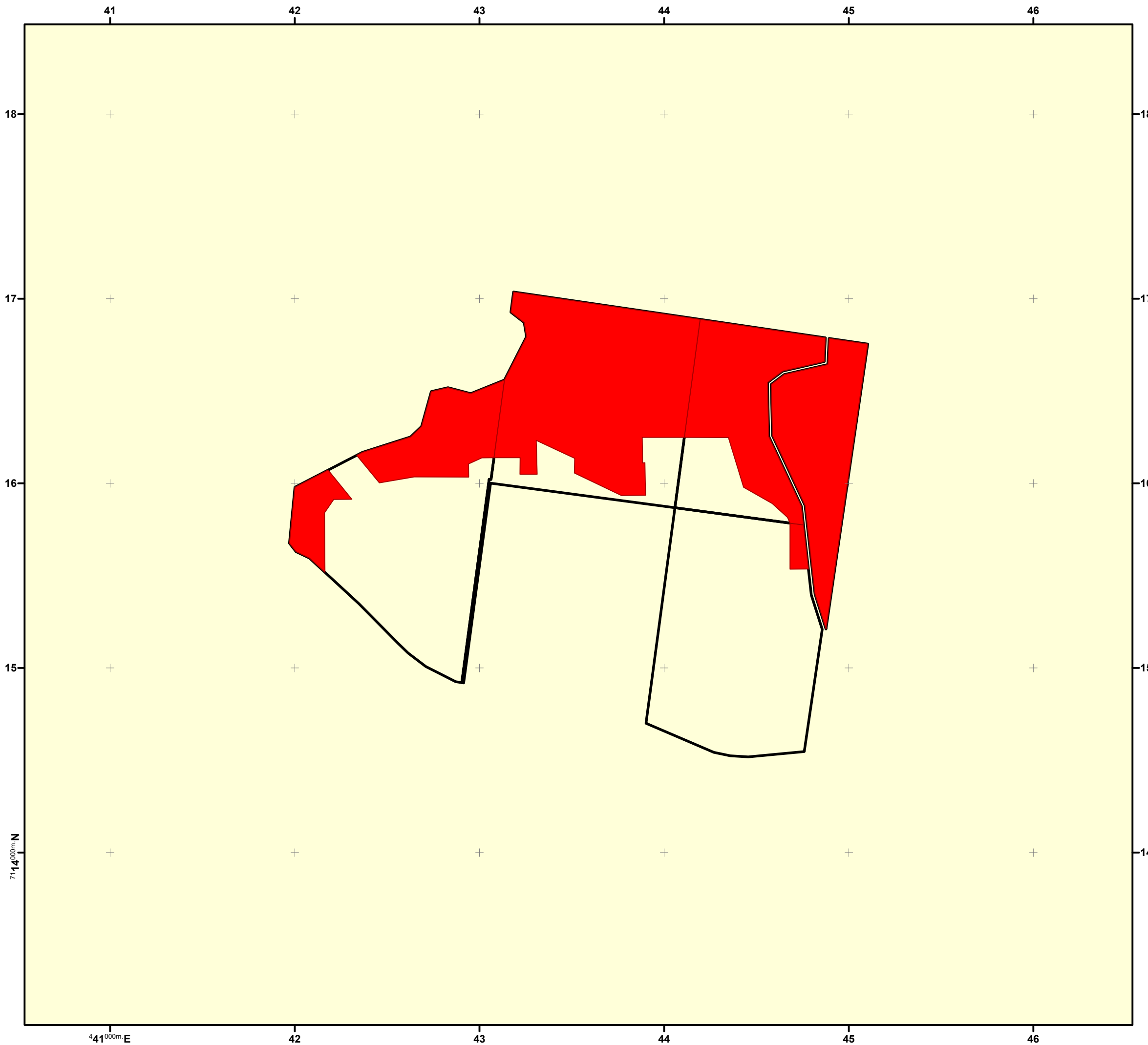
While every care is taken to ensure the accuracy of this product, the Department of Resources, makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which might incur as a result of the product being inaccurate or incomplete in any way and for any reason. Data must not be used for direct marketing or be used in breach of the privacy laws.

Map Information:
Horizontal Datum: GDA 2020
Projection: Universal Transverse Mercator - Zone 56

Earth-i © 21AT 2018, distribution 21AT, all rights reserved


Map Prepared by: RH
Department of Resources
PO Box 1762, Rockhampton, Qld, 4700

Map Preparation Date: 20/01/2022
© The State of Queensland (Department of Resources) 2022

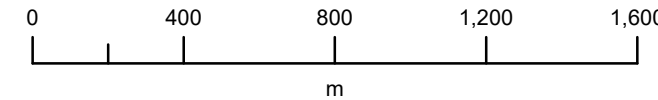


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


Queensland
Government

**Property Map of
Assessable Vegetation**
PMAV 2021/003802
LOT on PLAN
157SP309572, 159SP237339, 90SP237339



Scale: 1:20000
(original size A3)



- LEGEND**
-  Subject Lot(s)
 -  Area to which the PMAV does not apply
- Vegetation Category Area**
-  Category A area (see 2021/003798)

Notes:

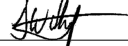
Property boundaries provided by Department of Resources.
The property boundaries on this plan are a spatial representation of the property boundaries.
They are not the legal property boundaries and are subject to change as more accurate information becomes available.
The PMAV does not move with changes to the property boundaries.

Labelled Category B areas indicate a change in Regional Ecosystem classification as a result of detailed assessment.

Map Information:
Horizontal Datum: GDA 2020
Projection: Universal Transverse Mercator - Zone 56

This PMAV is made under Section 20C of the
Vegetation Management Act 1999.

Signed for the Chief Executive of the Department of Resources by:
Name: Sandra Witheyman
Title: Senior Natural Resource Management Officer

Signature: 
Date: 24/01/2022

Map Prepared by: RH
Department of Resources
PO Box 1762, Rockhampton, Qld, 4700

INFORMATION NOTICE

Information Notice issued pursuant to section 20B (2) of the *Vegetation Management Act 1999* (VMA)
Property Map of Assessable Vegetation (PMAV) issued under section 20B (1) of the VMA

1. **PMAV reference:** 2021/003802

2. **Decision:** to make a PMAV under section 20B(1) of the VMA over part of land described as lot 157 on SP309572, lot 90 on SP237339 and lot 159 on SP237339.

This decision can be internally reviewed if requested by an owner. The details on how to do this are contained in **Appendix 1**.

3. **Reasons for decision:**

An area of land on lot 157 on SP309572, lot 90 on SP237339 and lot 159 on SP237339 has been declared (decision reference: 2021/003798) as an area of high nature conservation value in accordance with s19F of the VMA.

The declared area application detailed that the area to be declared is an offset area (V-Dec Management Plan – Woolooga Solar Farm, Lower Wonga (EPBC 2019/8554), dated 14/12/2021)

In accordance with sections 20B (1)(a) and (b) of VMA, the decision has been made to make a PMAV over the declared area which is an offset area.

4. **Additional information**

Sections 20AL (a) (i) and (ii) of the VMA state that a category A area is an area that is a declared area or an offset area. The declared area which is an offset area on lot 157 on SP309572, lot 90 on SP237339 and lot 159 on SP237339, will be shown as a category A area on PMAV 2021/003802.

Subsequent updates of the regulated vegetation management map will also show the declared area as a category A area.

5. **Date:** 24/01/2022

Appendix 1: Rights of Review of the Decision

If you do not agree with the decision to make this PMAV, you may make an application for an internal review of the decision under Part 4 of the *Vegetation Management Act 1999*.

Please see the following extract from the *Vegetation Management Act 1999* for:

- your rights of review;
- the time period in which you have to apply for review; and
- how the rights of review are exercised under this Act.

Extract from the Vegetation Management Act 1999 –

Part 4 Reviews and legal proceedings

Division 1 Internal reviews by chief executive

62 Internal review process before external review

Every review of an original decision must be, in the first instance, by way of an application for an internal review of the decision.

63 How to apply for internal review

- (1) A person who is given, or is entitled to be given, an information notice about a decision made under this Act may apply for an internal review of the decision.
- (2) An application for internal review of a decision must be—
 - (a) in the approved form; and
 - (b) made to the chief executive; and
 - (c) supported by enough information to enable the chief executive to decide the application.
- (3) The application **must be made within 20 business days** after—
 - (a) the day the person is given the information notice about the decision; or
 - (b) if paragraph (a) does not apply—the day the person otherwise becomes aware of the decision.
- (4) The chief executive may extend the time for applying for the internal review.
- (5) The application does not stay the decision.

63A Review decision

- (1) The chief executive must, within 30 business days after receiving the application—
 - (a) review the decision (the **original decision**); and
 - (b) make a decision (the **review decision**) to—
 - (i) confirm the original decision; or
 - (ii) amend the original decision; or
 - (iii) substitute another decision for the original decision; and
 - (c) give the applicant notice (the **review notice**) of the review decision.
- (2) If the review decision is not the decision sought by the applicant, the review notice must comply with the QCAT Act, section 157(2).
- (3) However, subsection (2) does not apply if the review decision relates to an original decision under—
 - a) section 20O(1)(b) or (2)b or (c), 20R(2) or the provisions as applied under section 20ZC(6); or
 - b) section 20O(3)(b), 20S(1)(a) or 20ZB(1)(b) or (c).

Division 1A External reviews by QCAT

63B Who may apply for external review

(1) A person who is dissatisfied with a review decision may apply, as provided under the QCAT Act, to QCAT for a review of the review decision.

(2) However, subsection (1) does not apply if the review decision relates to an original decision mentioned in section 63A(3).

Appendix 17–

Barbed Wire Visibility – Evolve progress report



Woolooga Solar Farm, Lower Wonga, Queensland

Progress Report 07
November 2021

01/12/2021

Job Number: 273

Evolve Environmental Solutions Pty. Ltd.



Document Control

Document Name: *Progress Report 07 – Woolooga Solar Farm, Lower Wonga, Queensland.*

Document Issue

Issue	Date	Prepared By	Checked By
Issue A	01.12.2021	Adam Hutchinson	Adam Hutchinson

Prepared by

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ABN: 16 155 844 232

www.evolveenvironmental.com.au

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Introduction & Purpose

Evolve Environmental Solutions (Evolve) was engaged by **Lightsource bp** (LSbp) to implement and report on (in the form of an Annual Compliance Report) the Offset Management Plan (OMP) for the Wolooga Solar Farm offset located across Lot 157 on LX2424, Lot 86 on LX472 and Lot 90 SP237339 on Wide Bay Highway, Lower Wonga. The scope of this report is to advise of the progression of works to date.

Works Commenced

Table 1: A tabulated summary of works completed and commenced to date.

Date of Works	Description of works undertaken	Contact hours
October 2021	<ul style="list-style-type: none"> • Pest Management Camera Check 	6.5 hours
	<ul style="list-style-type: none"> • Weed assessment surveys 	32 hours
	<ul style="list-style-type: none"> • Minor ripping vibrating plates • Maintenance of Bushfire trails • Staking and setout • Planting approx. 23,000 plants • Watering of stock and onsite nursery 	1,095 hours
Total person hours		1,133.5 Onsite Person Hours

Scheduled Works

- Complete planting in December 2021.
- Affix high visibility tags to fencing.
- Ripping of planting area to commence and finish in November
- Assessment of further works for bushfire trails
- Follow up VDec

Project Timing

- Delays have occurred with planting due to PCL storing wood piles and bales in the Evolve work site post the removal date. Evolve are unable to plant in the storage area or around the house structures that are yet to be demolished.



Appendix 18—

Planting completion and planting species – Evolve progress report and Tubestock invoices



Woolooga Solar Farm, Lower Wonga, Queensland

Progress Report 08
December 2021

10/01/2022

Job Number: 273

Evolve Environmental Solutions Pty. Ltd.



Document Control

Document Name: *Progress Report 08 – Woolooga Solar Farm, Lower Wonga, Queensland.*

Document Issue

Issue	Date	Prepared By	Checked By
Issue A	10.01.2022	Adam Hutchinson	Adam Hutchinson

Prepared by

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ABN: 16 155 844 232

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Introduction & Purpose

Evolve Environmental Solutions (Evolve) was engaged by **Lightsource bp** (LSbp) to implement and report on (in the form of an Annual Compliance Report) the Offset Management Plan (OMP) for the Wolooga Solar Farm offset located across Lot 157 on LX2424, Lot 86 on LX472 and Lot 90 SP237339 on Wide Bay Highway, Lower Wonga. The scope of this report is to advise of the progression of works to date.

Works Commenced

Table 1: A tabulated summary of works completed and commenced to date.

Date of Works	Description of works undertaken	Contact hours
December	<ul style="list-style-type: none"> • Pest Management Camera Check 	6.5 hours
	<ul style="list-style-type: none"> • Staking and setout • Planting approx. 16,000 plants • Watering of stock and onsite nursery • De-Weeding offset zones 	856 hours
Total person hours		865.5 Onsite Person Hours

Scheduled Works

- Complete planting in December 2021- complete up to unplantable hardstand or PCL storage areas.
- Affix high visibility tags to fencing.
- Have VDec Approval

Project Timing

- Delays have occurred with planting due to PCL storing wood piles and bales in the Evolve work site post the removal date. Evolve are unable to plant in the storage area or around the house structures that are yet to be demolished. This delay remains





Tubestock Nursery Australia

ABN: 42628443336
70 Wade Road Bellmere QLD, 4510

P: 07 3350 8355
M: 0436 021 038
E: sales@tubeaus.com.au
Kaitlyn Jackson

TAX INVOICE

Date	Tax Invoice #
07-10-2021	EC-INV1252

Purchase Order #	Sales Order #
Woolooga PO-000508	1190

DELIVER TO:
Evolve Environmental Solutions Kerry Delivery to woolooga 1706 wide bay HWY site office QLD, Greg 07 3124 7200

DELIVERY DATE:
27-09-2021

SITE CONTACT:

INVOICE TO:
Evolve Environmental Solutions PO Box 23 Chermside SOutH QLD, 4032

Due Date	FREIGHT CO	FWD INSTRUCTIONS
06-11-2021	Delivery	Delivery to Woolooga Greg straton -

DESCRIPTION	QTY	UNIT PRICE (EX-GST)	TOTAL (EX-GST)
Eucalyptus tereticornis - 50mm N. tube	4000	1.30	5,200.00
Corymbia intermedia - 50mm N. tube	2000	1.30	2,600.00

BANKING DETAILS: Bank Account Details Account Name - Tubestock Nursery Australia Pty Ltd BSB - 034036 Acc No - 544654 Remittance email: accounts@tubeaus.com.au	SUBTOTAL (EX-GST)	7,800.00
	GST	780.00
	TOTAL (INC GST)	8,580.00
	BALANCE DUE:	8,580.00



Tubestock Nursery Australia

ABN: 42628443336
70 Wade Road Bellmere QLD, 4510

P: 07 3350 8355
M: 0436 021 038
E: sales@tubeaus.com.au
Kaitlyn Jackson

TAX INVOICE

Date	Tax Invoice #
21-10-2021	EC-INV1293

Purchase Order #	Sales Order #
Woolooga PO-000508	1253

DELIVER TO:
Evolve Environmental Solutions Kerry Delivery to Woolooga Greg stratton 0456919997 QLD, Delivery to woolooga 1706 wide bay HWY site office QLD, 07 3124 7200

DELIVERY DATE:
20-10-2021

SITE CONTACT:

INVOICE TO:
Evolve Environmental Solutions PO Box 23 Chermside SOutH QLD, 4032

Due Date	FREIGHT CO	FWD INSTRUCTIONS
20-11-2021	Delivery	Delivery to Woolooga

DESCRIPTION	QTY	UNIT PRICE (EX-GST)	TOTAL (EX-GST)
Corymbia intermedia - 50mm N. tube	2000	1.30	2,600.00
Eucalyptus crebra - 50mm N. tube	4000	1.30	5,200.00

BANKING DETAILS: Bank Account Details Account Name - Tubestock Nursery Australia Pty Ltd BSB - 034036 Acc No - 544654 Remittance email: accounts@tubeaus.com.au	SUBTOTAL (EX-GST)	7,800.00
	GST	780.00
	TOTAL (INC GST)	8,580.00
	BALANCE DUE:	8,580.00



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Kaitlyn Jackson

INVOICE TO:
Evolve Environmental Solutions PO Box 23 Chermside South QLD, 4032

TAX INVOICE

Invoice Date	Tax Invoice #
30-11-2022	EC-INV1430

Purchase Order #	Sales Order #
Woolooga PO-000508	1326

DELIVER TO:
Evolve Environmental Solutions Kerry (P: 0411 746 282) Delivery to Woolooga QLD, 07 3124 7200

DELIVERY DATE:
19-11-2021

FREIGHT CO	FREIGHT NOTES	Site Contact
Delivery	Delivery by Rob cock	

DESCRIPTION	QTY	UNIT PRICE (EX-GST)	TOTAL (EX-GST)
Corymbia intermedia - 50mm N. tube	8032	1.20	9,638.40
Eucalyptus tereticornis - 50mm N. tube	8032	1.20	9,638.40
Eucalyptus crebra - 50mm N. tube	8032	1.20	9,638.40
Corymbia citriodora - 50mm N. tube	1148	1.20	1,377.60
Eucalyptus melanophloia - 50mm N. tube	500	1.20	600.00

BANKING DETAILS: Bank Account Details Account Name - Tubestock Nursery Australia Pty Ltd BSB - 034036 Acc No - 544654 Remittance email: accounts@tubeaus.com.au	SUBTOTAL (EX-GST)	30,892.80
	GST	3,089.28
	TOTAL (INC GST)	33,982.08
	BALANCE DUE:	33,982.08
	DUE DATE:	30-12-2021



ABN: 42628443336

Tubestock Nursery Australia

70 Wade Road Bellmere QLD, 4510

P: 07 3350 8355

M: 0436 021 038

E: sales@tubeaus.com.au

Kaitlyn Jackson

INVOICE TO:
Evolve Environmental Solutions PO Box 23 Chermside South QLD, 4032

TAX INVOICE

Invoice Date	Tax Invoice #
10-12-2021	EC-INV1390

Purchase Order #	Sales Order #
PO-000508	1353

DELIVER TO:
Evolve Environmental Solutions Kerry (P: 0411 746 282) Delivery to Woolooga QLD, 07 3124 7200

DELIVERY DATE:
01-12-2021

FREIGHT CO	FREIGHT NOTES	Site Contact
	Delivery to Woolooga	

DESCRIPTION	QTY	UNIT PRICE (EX-GST)	TOTAL (EX-GST)
Eucalyptus crebra - 50mm N. tube	1748	1.20	2,097.60
Corymbia intermedia - 50mm N. tube	1748	1.20	2,097.60
Eucalyptus tereticornis - 50mm N. tube	1000	1.20	1,200.00
Corymbia citriodora - 50mm N. tube	748	1.20	897.60

BANKING DETAILS: Bank Account Details Account Name - Tubestock Nursery Australia Pty Ltd BSB - 034036 Acc No - 544654 Remittance email: accounts@tubeaus.com.au	SUBTOTAL (EX-GST)	6,292.80
	GST	629.28
	TOTAL (INC GST)	6,922.08
	BALANCE DUE:	6,922.08
	DUE DATE:	09-01-2022



ABN: 42628443336
Tubestock Nursery Australia

70 Wade Road Bellmere QLD, 4510

P: 07 3350 8355
 M: 0436 021 038
 E: sales@tubeaus.com.au
 Kaitlyn Jackson

INVOICE TO:
Evolve Environmental Solutions PO Box 23 Chermside South QLD, 4032

TAX INVOICE

Invoice Date	Tax Invoice #
19-11-2021	EC-INV1564

Purchase Order #	Sales Order #
Woolooga PO-000508	1326

DELIVER TO:
Evolve Environmental Solutions Kerry (P: 0411 746 282) Delivery to Woolooga QLD, 07 3124 7200

DELIVERY DATE:
19-11-2021

FREIGHT CO	FREIGHT NOTES	Site Contact
	Delivery by Rob cock Amended invoice to suit plants delivered	Greg

DESCRIPTION	QTY	UNIT PRICE (EX-GST)	TOTAL (EX-GST)
Corymbia intermedia - 50mm N. tube	4100	1.20	4,920.00
Eucalyptus tereticornis - 50mm N. tube	6555	1.20	7,866.00
Eucalyptus crebra - 50mm N. tube	4200	1.20	5,040.00
Corymbia citriodora - 50mm N. tube	1200	1.20	1,440.00
Eucalyptus melanophloia - 50mm N. tube	500	1.20	600.00

BANKING DETAILS: Bank Account Details Account Name - Tubestock Nursery Australia Pty Ltd BSB - 034036 Acc No - 544654 Remittance email: accounts@tubeaus.com.au	SUBTOTAL (EX-GST)	19,866.00
	GST	1,986.60
	TOTAL (INC GST)	21,852.60
	BALANCE DUE:	21,852.60
	DUE DATE:	19-12-2021

Appendix 19—

2023 Solar Site Audit: Photos of Riparian Corridor

Photos Solar Farm Riparian Corridor Assessment

Weeds on riparian corridor



Intact vegetation on riparian corridor



No soil disturbance within riparian corridor



No signage surrounding riparian corridors



Appendix 20 –

2023 Solar Site Audit: Photos of Waterways

Photos Solar waterway assessment

Effective crossing multi pipe culvert



Adequate fencing across a stream



No signs of silt build up



Undisturbed streambeds



Appendix 21 –

2023 Solar Site Audit: Photos of Solar Farm Boundary Fencing

Photos Solar Farm Boundary Fencing – Defect Fencing Panel

Failed panel



Failed fencing section



In tact



Intact



Appendix 22 –

2023 Solar Site Audit: Photos of Offset Site Boundary Fence Flagging/Bunting

Photos Offset Site Boundary Fence Flagging/Bunting

Effective bunting on creek crossing fence



Bunting



Effective maintenance track clearance



Appendix 23 –

AU213004684 Bushfire Management Plan – Woolooga Stage 1 Rev 3. RPS Group, 29 November 2022

BUSHFIRE MANAGEMENT PLAN - WOOLLOOGA

Woollooga Solar Farm – Stage 1



AU213004684
Bushfire Management Plan –
Woollooga Stage 1
Rev 3
29 November 2022

REPORT

Document status

Version	Purpose of document	Authored by	Reviewed by	Approved by	Review date
1	Bushfire Management Plan	Duncan Scott-Lawson	Ian Richardson	Duncan Scott-Lawson	14.04.2020
2	Bushfire Management Plan	Duncan. Scott-Lawson	Ian Richardson	Duncan Scott-Lawson	29.04.2020
3	Updated vehicle access and water supply	Duncan Scott-Lawson	Ashley Reilly	Megan Davis	29.11.2022

Approval for issue

Duncan Scott-Lawson



27 April 2020

This report was prepared by RPS within the terms of RPS' engagement with its client and in direct response to a scope of services. This report is supplied for the sole and specific purpose for use by RPS' client. The report does not account for any changes relating the subject matter of the report, or any legislative or regulatory changes that have occurred since the report was produced and that may affect the report. RPS does not accept any responsibility or liability for loss whatsoever to any third party caused by, related to or arising out of any use or reliance on the report.

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Contents

SUMMARY	iv
TERMS AND ABBREVIATIONS	vi
1 INTRODUCTION	1
1.1 Site Particulars	1
1.2 Description of proposal	2
1.3 Objective of Report	4
2 BUSHFIRE HAZARD ASSESSMENT	5
2.1 Methodology	5
2.2 Reliability Assessment	5
2.3 Hazard Assessment	8
2.3.1 Fire Weather Severity	8
2.3.2 Vegetation Hazard Class (VHC)	8
2.4 Separation and Radiant Heat	12
3 BUSH FIRE PROTECTION MEASURES	13
3.1 Development Construction	13
3.1.1 Ground works and sub-structure construction phase	13
3.1.2 Ongoing Operations	13
3.2 Separation – Defendable Space	14
3.2.1 Inner Protection Area (IPA)	16
3.2.2 Outer Protection Area	16
3.2.3 Legislative Basis for Maintaining Defendable Spaces	16
3.2.4 Determining the Appropriate Setbacks	16
3.3 Access	19
3.4 Water Supply	20
3.5 Electricity, Gas and Hazardous Materials	20
3.6 Hazardous Industry	20
3.7 Landscaping and Vegetation Management	21
4 CONCLUSION AND RECOMMENDATIONS	24
REFERENCES	25

Tables

Table 1	Site Particulars	1
Table 2	Vegetation Hazard Classes	8
Table 3	Slope Analysis	9
Table 4	Bush Fire Attack Levels and Separations	12

Plates

Plate 1	Grasslands within the site	10
Plate 2	Scattered and isolated tree do not form a continuous forested bushfire threat	10
Plate 3	Ground tanks (dam) maybe unreliable during prolonged period of drought	11
Plate 4	Dry Moist eucalyptus woodland on undulating metamorphics and granite	11
Plate 5	Indication of APZ signage	15
Plate 6	Components of an APZ (Figure A4.1 – NSW PBP 2019)	15

Figures

Figure 1 Location Map3

Figure 2 Gympie Bushfire Prone Areas Map (map sheet 10)6

Figure 3 Hazard Assessment7

Figure 4 BAL and Mitigation Measures18

Appendices

Appendix A Acceptable outcomes to Gympie Regional Council Planning Scheme Rural Zone Code Bushfire

SUMMARY

RPS Australia East Pty Ltd (RPS) has been engaged by Lightsource BP to prepare a Bushfire Management Plan (BMP) for the proposed Woolooga Renewable Energy Facilities, referred to as Woolooga Solar Farm Stage 1.

This assessment has been undertaken in accordance with the Bushfire Resilient Communities, 2019 (BRC). This assessment implements the methodology in the BRC which provides for the protection of human life and minimises impacts of bushfire on the site, with consideration of the specific outcomes of the Natural hazards, risk and resilience – Bushfire, SPP – state interest guidance material. Acceptable outcomes in accordance with the Gympie Regional Council Planning Scheme, 2013 Rural Zone Code Bushfire are provided in Appendix A1.

In summary, the following key recommendations have been generated to enable the proposed development to comply with BRC 2019:

Design and Siting

- Design elements as described in section 3.2 of this report should be incorporated to ensure compliance to bushfire requirements.

Separation

- A bushfire defendable space is provided between the solar panel infrastructure and hazardous vegetation of 20m.
- A bushfire defendable space is provided between any building and hazardous vegetation of 20m is required.
- This defendable space between the hazard and buildings shall be managed as a Defendable Space (Asset Protection Zone).

Access

- This defendable space between the hazard and buildings shall be managed as a Defendable Space (Asset Protection Zone).
- Roads and trails are designed in accordance with the geometry, turning radii and vertical clearance provisions in the Queensland Fire and Emergency Services - Fire Hydrant and Vehicle Access Guidelines for residential, commercial and industrial lots and Department of Transport and Main Roads - Road Planning Design Manual 2nd edition.

Water

- A 10,000Lt water tank is located within the APZ on site with appropriate pump and fire-fight hose connections.

Landscaping and Vegetation Management

- A landscape maintenance plan that stipulates that revegetation and rehabilitation areas are designed and managed to achieve a potential fuel load which is less than 8t/ha in aggregate and discontinuous fuel structure.
- The dimensions and configuration of revegetation or rehabilitation areas, fire trails, open space, landscaping and fuel sources in the bushfire prone area that are located between hazardous vegetation and solar infrastructure shall not increase the potential for bushfire hazard.

This assessment has been made based on the bushfire hazards in and around the site at the time of inspection and production (March 2020).

Finally, the implementation of the adopted measures and recommendations forwarded within this report are based on a thorough assessment under the Bushfire Resilient Communities 2019 to manage the risk caused by bushfire to people, property and public safety. The recommended bushfire protection measures will contribute to the amelioration of the potential impact of any bushfire upon the development estate, but they do not and cannot guarantee that the area will not be affected by bushfire at some time.

This Bush fire Management Plan (BMP) has been written by Duncan Scott-Lawson accredited by the Fire Protection Association of Australia (FPAA) under the Bush fire Planning And Design (BPAD) accreditation scheme.

BPAD Accreditation # 47789



TERMS AND ABBREVIATIONS

Abbreviation	Meaning
AEP	Annual Exceedance Probability
AO	Acceptable Outcomes
APZ	Asset Protection Zone
AS2419-2005	Australian Standard – Fire Hydrant Installations
AS3959-2009	Australian Standard – Construction of Buildings in Bush Fire Prone Areas
BAL	Bush fire Attack Level
BCA	Building Code of Australia
BMP	Bush fire Management Plan
BPA	Bush fire Prone Area (Also Bushfire Prone Land)
BPAD	Bush fire Planning and Design (Accreditation Scheme)
BPL	Bush fire Prone Land
BPL Map	Bush fire Prone Land Map
BPMs	Bush fire Protection Measures
BVG	Broad Vegetation Group
EPBC Act	Commonwealth Environment Protection and Biodiversity Conservation Act 1997
FDI	Fire Danger Index
FFDI	Forest Fire Danger Index
FMP	Fuel Management Plan
ha	Hectare
IPA	Inner Protection Area
kW/m ²	Kilowatts per metre squared (a measure of radiant heat)
LEP	Local Environment Plan
LGA	Local Government Area
NASH	National Association of Steel-framed Housing
OPA	Outer Protection Area
PBRC	Planning for Bush fire Resilient Communities (DRAFT 2018)
PO	Performance Outcome
RPS	RPS Australia East Pty Ltd
SARA	State Assessment and Referral Agency
SPP map	State-wide map of Bushfire prone areas
VHC	Vegetation Hazard Class

1 INTRODUCTION

RPS Australia East Pty Ltd (RPS) has been engaged by Lightsource BP to prepare a Bushfire Management Plan (BMP) for the proposed Woolooga Renewable Energy Facilities referred to as Woolooga Stage 1. This incorporates Woolooga 1 and Woolooga 2b over land at Lot 500 on SP331315 (formerly Lot 157 on LX2424, Lot 86 on LX472, Lot 158 on LX327, and Lot 159 and 90 on SP237339) (**Figure 1**). The Bush fire Management Plan (BMP) considers the level of bushfire risk and recommends protection measures to mitigate the risk for the proposed residential use of the property.

The purpose of this BMP is to describe the bushfire protection measures that will be implemented as part of a development to reduce the risk from bushfire to an acceptable level. In order to determine whether the proposed development is bushfire-prone, and if so, which setbacks and other relevant Bush fire Protection Measures (BPM) will be appropriate, this assessment applies the methodology and procedures Bushfire Resilient Communities, 2019 (BRC) and assessing compliance against Gympie Regional Council Planning Scheme 2013, Rural Zone Code Bush fire.

In accordance with section 8 of the BRC 2019, this BMP provides the following information:

- Site details, description and previous approvals;
- Reliability Assessment;
- Hazard Assessment;
- Separation and Radiant Heat assessment;
- Bushfire Protection Measures:
 - Design and siting;
 - Separation (setbacks);
 - Access;
 - Water Supply;
 - Vegetation and Landscaping Management; and
 - Emergency Management.

1.1 Site Particulars

Site particulars for the project area are provided in **Table 1**.

Table 1 Site Particulars

Site Element	Details
Locality	1580 – 1706 Wide Bay Highway, Lower Wonga
LGA / Landuse	Gympie Region Council – Rural Zone Code
Titles	Lot 500 on SP331315 <i>Formerly Lot 158 on LX327, Lots 159 and 90 on SP237339, Lot 86 on LX472, and Lot 157 in LX2424.</i>
Boundaries	The development site is surrounded by grassland and agricultural land use tot the east, west and south. Forested vegetation associated with elevated terrain exists to the North.
Current and surrounding land use	Rural land-use of grazing and approved solar farms are situated to the north-east.
Topography	The site is gentle undulating landscape with easy access and limited creek and riparian areas
Climate / Fire Danger Index (FDI)	45

1.2 Description of proposal

The proposed solar project would have a combined capacity of 80MW, generating clean and renewable energy that would save 125,000 tonnes of carbon emissions every year, the equivalent of removing 45,000 cars from the roads. The total development will cover approximately 220ha of land with 64ha of native vegetation and waterways to be retained. The facility will have 80MW installation capable of generating 160,000MWh (megawatt hours) of electricity per year. It is intended that the solar farms will connect into the local grid network.

Lightsource BP anticipates that around 200 skilled jobs would be created in the region during construction as well as 5 on-going roles once the project becomes operational.