



DEPARTMENT OF PRIMARY INDUSTRIES AND REGIONS APPLICATION FOR A NEW LAND-BASED AQUACULTURE LICENCE

PURSUANT TO SECTION 49 OF *AQUACULTURE ACT 2001*

Applications must be lodged by:

Mail:

**Fisheries and Aquaculture
Department of Primary Industries & Regions**

GPO Box 1625
Adelaide SA 5001

Or

Email:

PIRSA.aquaculture@sa.gov.au

Please note that the licence category and associated application fees will be determined by PIRSA Fisheries and Aquaculture and an invoice will be sent to you following receipt of your application.

In determining licence category and any associated application fee, the Minister may have regard to the following:

- (i) the scale and intensity of farming to be carried on under the licence;
- (ii) any discharge of water from the licence area and the treatment of that water prior to discharge;
- (iii) whether or not the species to be farmed are native to the locality of the licence area;
- (iv) the susceptibility of the species to be farmed to notifiable disease within the meaning of the *Livestock Act 1997*.

PIRSA FISHERIES & AQUACULTURE
GPO Box 1625, Adelaide SA 5001
Telephone (08) 8207 5332
Email PIRSA.aquaculture@sa.gov.au
<http://www.pir.sa.gov.au/aquaculture/home>

PERSONAL DETAILS OF THE APPLICANT

Personal details of licence applicant/s: (this person/company will be the licence holder)

APPLICANT 1 (this person will also be the contact for all correspondence regarding this application):

Full Name: D.O.B.
(Family Name) (First Name)

Residential Address:

Postal Address:

Telephone: Work: Home: Facsimile:

APPLICANT 2:

Full Name: D.O.B.
(Family Name) (First Name)

Residential Address:

Postal Address:

Telephone: Work: Home: Facsimile:

COMPANY DETAILS (if applicant is a company):

Business name:

Business Address:

Postal Address:

Telephone: Work: Facsimile:

Australian Business Number (ABN):

If the applicant is a company please **attached an ASIC full company search** detailing the full name, date of birth, residential address, and contact details of all Directors must be provided with this application.

Is the applicant the owner of the land? ☐ Yes ☐ No

If No:

Provide the name, address and phone number of the land owner:

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Provide evidence of consent (e.g. letter or email) from the landowner for you to use their land for the purposes of aquaculture. Please note here if evidence has been provided with this application form:

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Note: Provide a current copy of the Certificate of Title for the land.

LOCATION

1. Please provide the street address of the aquaculture site:.....
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2. Section and Hundred of aquaculture site:.....
3. Provide the Certificate of Title (CT) for the property on which you are applying to conduct aquaculture.
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4. Council of aquaculture site:.....
5. Name and postcode of the closest town to the development:
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6. Identify any other aquaculture ventures within 10 kilometres of the proposed development site:
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7. Name and provide distance and details of the nearest natural water body (including ephemeral creeks):
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8. Name and provide details of the nearest conservation or national parks:
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9. Provide a Land Titles Office 1:50,000 topographical/cadastral map or 1:10,000 orthophoto/cadastral map. (Maximum size – A3) which identifies the location of the proposed aquaculture site. This can be obtained from the Land Titles Office. Note: originals will not be returned.

DETAILS OF FARMED SPECIES

10. Identify the species to be farmed, and the expected tonnage on the site for each species identified.

Common Name	Scientific Name	Max. expected tonnage on site (at full development)

11 Please identify your primary species for production

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12. Provide details of where each species applied for will be sourced from. Note for seaweed species, detail the original source of stock (e.g. from which macroalgae management area/hatchery it came from). NOTE a Fisheries permit may be required for collection of stock from the wild.

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FARM OPERATION AND SITE LAYOUT

13. Please detail the purpose of your proposed aquaculture activity:

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14. Is fish processing or feed preparation to take place on the site?

☐ Yes

☐ No

If Yes: Provide details of how the fish will be processed or the feed prepared, including waste management procedures:

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15. Provide a description of each major phase of development. Detail the total capacity of the operation (square metres for ponds and/or number and volume of tanks), and the approximate date of completion for each development stage (for the next 5 years):

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16. Approximate the date when full production will be reached at the site:

17. Provide a description, using attached sketches/diagrams/photos, of all structures including any ponds, dams or tanks that will be used in the farming operation (this is to included settlement and culture ponds, purging, culture and/or holding tanks, processing/packing sheds etc). Attach to the application a line drawing of the layout of the proposed farm.

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18. Attach photos or video footage of the proposed location and any existing infrastructure to be used for the operation. ☐ Yes ☐ No

ENVIRONMENTAL ISSUES

19. Provide details of the source, salinity and approximate monthly volume of water (e.g. ocean, catchment, bore, river) to be used for the operation. If the source of water is the ocean, see Schedule 1 at the end of form for additional requirements):

Source of water	Salinity (parts per thousand)	Approx monthly volume (litres)
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20. Describe how waste water from the operation will be treated and state what is expected to be removed (e.g.: nutrient, sediment removal systems):

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21. Provide details of the quantity/volume of waste water to be discharged:

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22. Provide details of how and where waste water will be discharged:

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23. Provide details of the expected frequency of waste water discharged:

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24. How will solid waste (eg organic sludge) from the operation be disposed of?

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25. How will the impact of localised flooding be controlled?

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26. Describe any likely sources of agriculture or industrial water pollution (eg sewerage, processor wastes, and chemical run-off) which may affect the operation:

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27. What is the depth to groundwater at the site? (If unknown refer to <http://www.waterconnect.sa.gov.au/GD/>)

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28. Describe how the pond/dam will be lined to prevent seepage occurring into the groundwater?

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29. Is there Acid-Sulphate soil located on your proposed site? (Further information may be obtained from your local council or Department of Environment, Water and Natural Resources).

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30. Provide details of any noise/odour issues associated with your development that may affect neighbouring properties.

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FARMING METHODOLOGY

31. Specify the type, amounts and source of food or nutrients (in kilograms/litres) to be added per month to the stock (e.g. Fertiliser, dry pellets, moist pellets, silage):

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32. Specify the manner, frequency and amount of food or nutrients that will be added (e.g. automatic feeder, delivery on demand or delivery at specific times, by hand):

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33. Specify how water quality will be maintained and monitored (e.g. prevent the build-up of ammonia, nitrates, suspended solids, or maintain appropriate aeration):

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34. Describe how all infrastructure will be kept clean (e.g. by using antifoulants, by washing with high pressure water jets, by scrubbing).

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35. Detail the expected frequency of cleaning, where infrastructure will be cleaned, and where all wastes and waste water will be disposed:
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36. Identify the types of chemicals that will be used in the operation, the approximate quantities to be used, the frequency of use and whether any will be released into the aquatic environment:
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37. Identify any diseases which are known to cause problems for the proposed species. For each species state the diseases, provide details on how you will prevent the disease from occurring and what strategies you will use if there is a disease outbreak (attach separate pages if required):
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38. Is the proposed activity operating as a hatchery? ☐ Yes ☐ No
- If Yes: Attach a biosecurity plan.
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39. List any known predators and provide details on the methods which will be used by the applicant for preventing and/or minimising these problems:
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40. Describe measures to be undertaken to prevent the escape of stock:
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OTHER APPROVALS REQUIRED

41. Do you currently possess a Water Licence to source water ☐ Yes ☐ No
Note: If "no" you should contact The Department for Water to determine if a licence for the taking of water and/or for the drilling of a well is required:
42. Do you intend to clear native vegetation for this proposal? ☐ Yes ☐ No
Note: If "yes" you should contact Native Vegetation Council Secretariat to determine if a licence to clear native vegetation is required.

43. Has Development Approval been granted by the relevant council for this proposal? ☐ Yes ☐ No
*Note: if "no" you should to contact your local council to determine if development approval is required.
If "yes" attach a copy of the relevant Decision Notification Form. N.B. An aquaculture licence cannot be granted until council approval is obtained.*
Note: As a part of the Development Approval Process the details and layout of any proposed buildings, sheds or other constructions will be required by the State Commission Assessment Panel.

DECLARATION

A person must not make a statement that is false or misleading in a material particular (whether by reason of the inclusion or omission of any particular) in any information provided under the *Aquaculture Act 2001*. Maximum penalty: \$5000

I/We consent to the release of our information for the purpose of seeking information related to any offences committed by me/us against the *Aquaculture Act 2001* or any other law of this State or another State or Territory of the Commonwealth relating to aquaculture, fishing or environment protection.

I/We declare that the information contained in this application is true and accurate.

All applicants must sign this section:

Please Note:

If the licence is held by individual/s, the signature of all individual/s is required.

If the licence is held by a company/body corporate, one of the following is required:

- The signature of two directors of the company; or
- The signature of a director and a company secretary; or
- If the company has a sole director who is also the sole company secretary, that director.

These requirements apply to all company applicants where multiple companies are applying for or hold the licence.

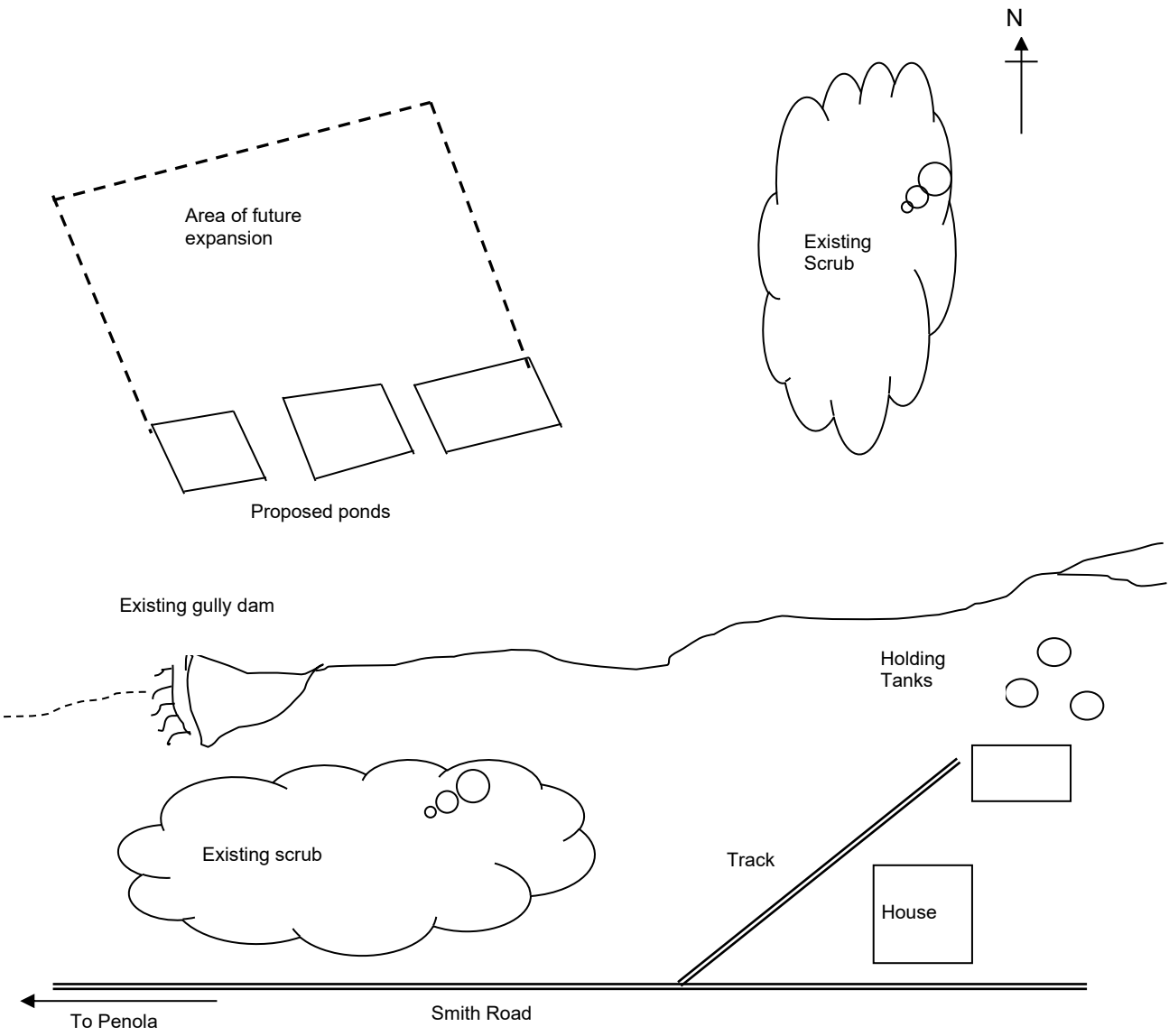
Full Name:Signature: Date:/...../.....

Full Name:Signature: Date:/...../.....

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Example Sketch of structures



SCHEDULE 1

ADDITIONAL INFORMATION TO BE PROVIDED FOR APPLICATIONS PROPOSING TO SOURCE AND DISCHARGE SEAWATER

Where proposals require access to seawater and require the construction of intake and discharge pipes outside of the property boundaries the following information should be provided:

- Detailed descriptions and scale diagrams, preferably provided by a licensed surveyor identifying:
 - The location of the land based facilities.
 - The location of the intake and discharge pipes.
- Details of ownership of adjoining land over which the pipes will be constructed (available from the Land Titles Office).
- Details of the materials to be used to construct the pipes.
- The materials to be used for the intake and discharge pipes.
- Design of the intake and discharge points.
- Details of methods to be employed to bury the pipelines under the beach and seabed.
- Length of pipes (both from the property to the high water mark and from the high water mark to the discharge/intake points).
- Details of the depth of the pipes beneath the sea (relative to the Australian Height Datum)
- Plans for landscaping and rehabilitation of native vegetation displaced during the construction of the pipes.
- How site will be accessed.

The application must be accompanied by a Biogeographical report written by a Biologist or similarly qualified person which includes:

- A statement of the author's qualification and experience.
- Description of the common animals and plants found at and around the intake and discharge pipes using scientific names where possible. Include a description of any seagrasses found and their coverage in terms of percentage and density of coverage within 50 metres of the intake and discharge pipes (see key below).
- A description of the seafloor including types and sizes of sediments.
- Description of the substrate at the site (reef, boulders, pebbles, sand, silt).

This report must be supported at least one video or photographic transect that should:

- Be a minimum length of 150 m.
- Be filmed at a slow pace (1 m every 2 to 4 seconds).
- Pass through the location of the proposed intake and discharge pipes and be in a straight line.
- Where practical, images should be taken at about 2 metres above the sea floor at an angle of about 45 degrees.
- Where a video is used it must be continually filmed without any editing breaks (from the GPS co-ordinates and a 360° pan at the start, throughout the drop to the seafloor, along the seafloor, rising to the surface and finally to the 360° pan and GPS co-ordinates at the end of the video).
- Have adequate light and resolution to show benthic flora and fauna detail and colours.
- Where photos are used these should be taken at intervals no greater than 10 metres and be sequentially numbered.

EXAMPLE ONLY – TEMPLATE FOR UNDERWATER VIDEO REPORT

Note: For a blank copy to fill out electronically please contact PIRSA Fisheries and Aquaculture

Bioturbation	0 = 	Low = 	Medium = 	High = 
Undulation	0 = 	Low = 	Medium = 	High = 
Natural Organic detritus	0 = 	Low = 	Medium = 	High = 
Sand colour	Neutral = 	Grey = 	Black = 	
Grain size	1 = 	2 = 	3 = 	
Macroalgal coverage	0 = 	Low = 	Medium = 	High =  Very High = 
Sponge coverage	0 = 	Low = 	Medium = 	High = 
Microbial mat	0 = 	<25% = 	25-50% = 	51-75% =  >75% = 
Seagrass coverage	0 = 	<25% = 	25-50% = 	51-75% =  >75% = 
Blue-green algal mat	0 = 	<25% = 	25-50% = 	51-75% =  >75% = 

A = Ascidian - sea squirt

C = Crab

R = Razorfish

F = Fish

H = Holothurian - sea cucumber

SH = Seahorse

G = Gastropod

D = Deposition of farm derived organics

B = Bivalve

AW = Aquaculture waste (i.e. rope)

EMP Video Transect 0 to 150 m

