

PRIMARY INDUSTRIES AND RESOURCES SA

APPLICATION FOR LAND BASED AQUACULTURE LICENCE

Applications must be lodged with:

The Executive Director, Aquaculture Division

Primary Industries & Resources SA

GPO Box 1625

Adelaide SA 5001

Cheques must be made payable to "Primary Industries & Resources South Australia"

APPLICATION FEES

Application Fees for Land Based Aquaculture is determined by the type of aquaculture proposed as outlined below:

This table provides general guidelines of how land based applications will be categorised. PIRSA Aquaculture reserves the right to determine your risk category based on any information presented pre and post licensing.

Risk Category	Application Fee	<i>Details of Application</i>
A	\$741	<ul style="list-style-type: none">▪ Ponds or dams on premises▪ Less than 1500kg of <u>natural</u> feed is used per annum.▪ No water is discharged from the ponds or dams
B	\$1,185	<ul style="list-style-type: none">▪ More than 1500kg of <u>manufactured</u> feed is used per annum.▪ No water released from the premises▪ No water released into natural water bodies (including aquifers)
B	\$1,185	<ul style="list-style-type: none">▪ Less than 1500kg of <u>manufactured</u> feed is used per annum.▪ Water released from premises
B	\$1,185	<ul style="list-style-type: none">▪ More than 1500kg of <u>natural</u> feed is used per annum.▪ Water released from premises
B	\$1,185	<ul style="list-style-type: none">▪ Farming of filter feeding molluscs▪ Water is released from the premises or to a natural water body
C	\$2,250	<ul style="list-style-type: none">▪ Frequent/routine feeding with greater than 1500kg of manufactured feed used per annum▪ Water released from premises or into natural water bodies (including aquifers)

I. PERSONAL DETAILS

1. Personal details of applicant:

If the applicant is a person complete the following information.

If the applicant is a company complete question 2.

Full Name:.....D.O.B.
(Surname or Family Name) (Given or Christian Name)

Address:.....

Postal Address:

Telephone: Work:Home:Facsimile:

2. Company details (if applicant is a company):

Business Address:

Postal Address:

Telephone: Work:Facsimile:

Australian Business Number (ABN):

Directors: Provide the following details for all company directors:

Full Name:.....D.O.B.
(Surname or Family Name) (Given or Christian Name)

Telephone: Work:Home:Facsimile:

E-mail Address:

Company Secretary:

Full Name:.....D.O.B.
(Surname or Family Name) (Given or Christian Name)

Telephone: Work:Home:Facsimile:

E-mail Address:

3. Please provide details of a person who can be contacted in regard to this application:

Full Name:.....D.O.B.
(Surname or Family Name) (Given or Christian Name)

Telephone: Work:Home:Facsimile:

E-mail Address:

4. 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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II. LOCATION

5. Please provide the street address of the aquaculture site:

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6. Section and Hundred of aquaculture site:

7. Council of aquaculture site:

8. Name and postcode of the closest town to the development:.....

9. Provide coordinates for the location of the development. These can be obtained from a map (longitude and latitudes marked on a map), or Global Positions System (GPS) (NB please specify the datum eg WGS 94, GDA 94)

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10. Identify any other aquaculture ventures within 10 kilometres of the proposed development site:

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11. Name and provide distance and details of the nearest natural water body:

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12. Name and provide details of the nearest conservation or national parks:

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13. 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.

III. DETAILS OF SPECIES TO BE FARMED

14. 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)
1.
2.
3.
4.
5.

IV. FARM OPERATION AND SITE LAYOUT

15. Source of broodstock / juveniles (for each species applied for):

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16. 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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17. 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 improvement (for the next 5 years):

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

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

V. ENVIRONMENTAL ISSUES

21. Provide details of the source, salinity and approximate monthly volume of water (eg catchment, bore, river) to be used for the operation:

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

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

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

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

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

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

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28. 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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29. Is the underlying water table less than 1 metre beneath any proposed ponds? If so how will the ponds be lined to prevent seepage occurring into the groundwater?

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30. Is there Acid-Sulphate soil located on your proposed site? (further information may be obtained from your local council or DEH).

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

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VI. FARMING METHODOLOGY

32. Specify the type, amounts and source of food (in kilograms) to be fed per month to the stock (eg. dry pellets, moist pellets, silage):

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33. Specify the manner, frequency and amount that the stock will be fed (eg automatic feeder, delivery on demand or delivery at specific times, fed by hand):

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

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35. Detail the expected frequency of cleaning, where they will be cleaned (eg. land or water based), 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. List any known predators and provide details on the methods which will be used by the applicant for preventing and/or minimising these problems a) prior to commencement, and b) if a problem arises in the future:

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39. Describe measures to be undertaken to prevent the escape of stock:

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VII. OTHER APPROVALS REQUIRED

40. Do you currently possess a Water Licence to source water Yes No

Note: If "no" you should contact The Department Of Water, Land And Biodiversity Conservation to determine if a licence for the taking of water and/or for the drilling of a well is required:

41. 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.

42. 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

VIII. DECLARATION

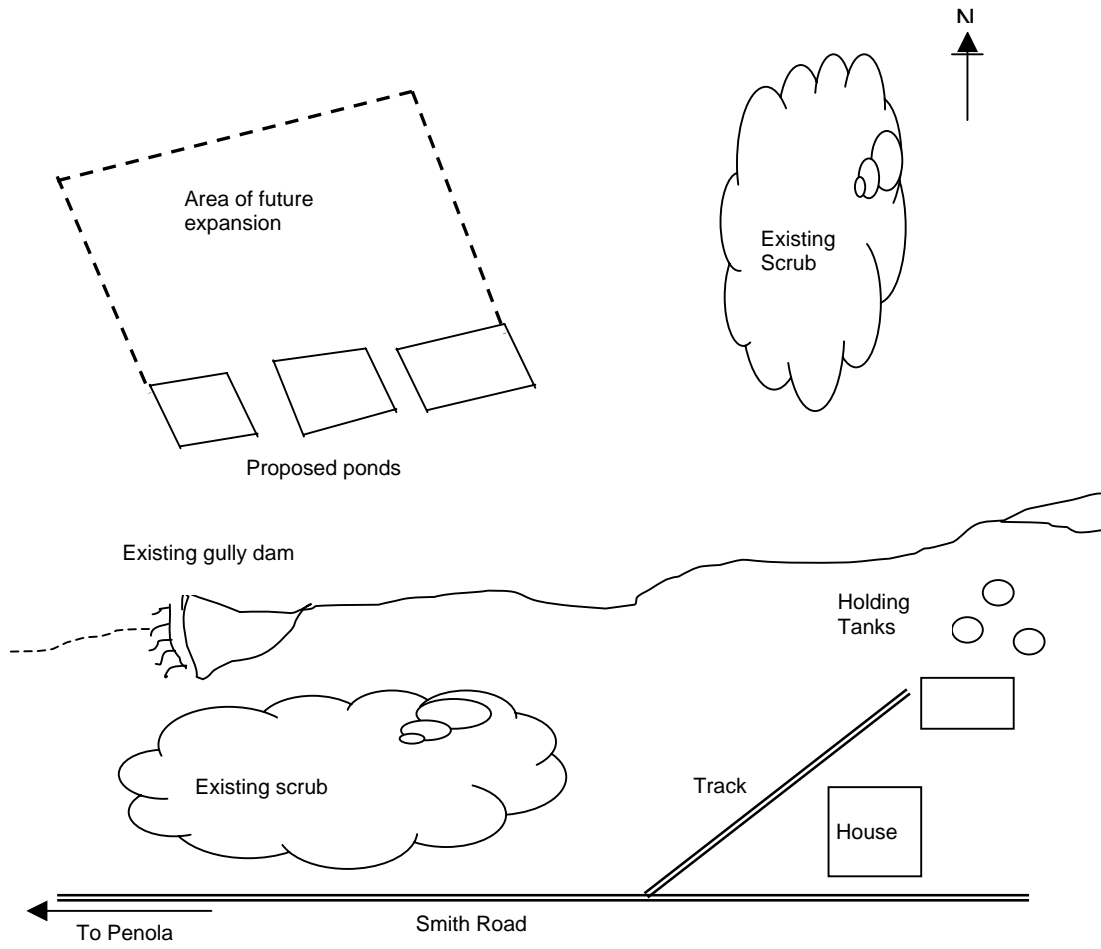
43. I declare that the information contained in this application is true and accurate:

Signature of all applicants:

Signature	Name	Date
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.....

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

Example Sketch of structures



SCHEDULE 1

ADDITIONAL INFORMATION TO BE PROVIDED FOR ABALONE PROPOSALS ONLY

Where abalone 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.

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
- 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 by sediment samples and at least one video or photographic transect.

The transect video or photos should:

- Pass through the location of the proposed intake and discharge pipes
- Where practical, images should be taken at about 1 metre above the sea floor at an angle of about 45 degrees
- Where a video is used it should be continuous for the entire transect and include horizontal pans at the beginning, middle and end of the transect
- Where photos are used these should be taken at intervals no greater than 10 metres and be sequentially numbered
- GPS readings (in Australian Mapping Grid references) should be provided for the beginning and end of the transect
- Sediment samples should be taken at the start middle, and end of the transect
- A map showing the distribution of substrate types, as well as the location of the dominant fauna and flora on the site.

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 Development Assessment Commission.