

**APPLICATION FOR VARIATION OF AN AQUACULTURE  
LICENCE**

**by**

**Peter and Karen Armstrong**

**Abrolhos Islands WA**

**November 2019**

**DEPARTMENT OF PRIMARY INDUSTRIES AND  
REGIONAL DEVELOPMENT (DPIRD)  
APPLICATION FOR VARIATION OF AN AQUACULTURE LICENCE**

**Peter and Karen Armstrong  
Abrolhos Islands WA**

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<b>File Ref</b>	L206/13-02
<b>Date of Application</b>	21 October 2019
<b>General Location</b>	Basile Island (Pelsaert Group), Abrolhos Islands, WA
<b>Area of Proposed Site</b>	2.327 hectares
<b>Existing Species</b>	<i>Octopus tetricus</i> , cuttlefish, squid and green algae ( <i>Caulerpa lentillifera</i> )
<b>Species to be added</b>	green algae <i>Ulva spp.</i>
<b>Culture Method</b>	panels
<b>Other Sites (within 5 n mile)</b>	Abrolhos Island Oysters Sea Urchin Pty Ltd Bruce Cunningham Pelsaert WA Pty Ltd Zeewyk Pearls & Diving Pty Ltd Andrew Joseph and Tracey Lee Basile Batavia Coral Farm Pty Ltd West Australian Octopus Pty Ltd WTN Nominees Pty Ltd & Pelsaert (WA) Pty Ltd Wildblue Holdings Pty Ltd
<b>Further Information</b>	Contact Clara Alvarez at DPIRD Aquaculture Branch on (08) 6551 4346 or <a href="mailto:clara.alvarez@dpird.wa.gov.au">clara.alvarez@dpird.wa.gov.au</a> .

# Information provided by the applicant relevant to an application for variation of an aquaculture licence

Peter and Karen Armstrong

November 2019

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## Introduction

This document outlines the information for consideration by agencies, stakeholders and community and industry groups regarding a proposal submitted by Peter and Karen Armstrong (Armstrong) to vary its Aquaculture Licence No. 1642 (IDCA 1642).

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## Background

Armstrong holds IDCA 1642 which authorises the culture of octopus (*Octopus tetricus*), squid (*Sepioteuthis australis*), cuttlefish (*Sepia apama*) and green algae (*Caulerpa lentillifera*) at a 332 square metre site in the Pelsaert Group of the Abrolhos Islands.

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## Proposed Variation

Armstrong has proposed to vary its Licence to increase the site and add the green algae genus *Ulva* to the licence.

The proposed site is located in the Pelsaert Island Group of the Abrolhos Islands and is 2.327 hectares.

The proponent is also seeking to apply for an exemption to enable it to collect broodstock of the proposed species.

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## Source of Stock and Methods

The proposed culture method for *Ulva spp.* will be the same as for *C. lentillifera*, which is cultured on submerged plastic panels inside the proposed area. The panels will be placed on the seabed and may be suspended horizontally with rope and floats.

No additional feed will be required for the grow-out of *Ulva spp.*

The proponent is seeking to use locally sourced broodstock for the aquaculture of *Ulva*, subject to appropriate approval and conditions.

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## Management and Environmental Monitoring

Armstrong has submitted a Management and Environmental Monitoring Plan (MEMP), which includes biosecurity controls such as quarantine protocols. The risk of disease being introduced to the area through the culture of *Ulva spp.* is considered low.

There is also low risk of adverse impact on the surrounding area because the seabed comprises sand and it is unlikely any coral or seagrass will be affected.

The current Aquaculture Licence has conditions in place for the culture of octopus, squid, cuttlefish and *C. lentillifera*. As part of the licence variation, these conditions will be reviewed and amended as required with consideration for any additional biosecurity and environmental risks that may be posed by the addition of green algae genus *Ulva*.

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All broodstock sourced will be endemic to the Abrolhos Islands and subject to broodstock exemption conditions that deal with biosecurity and environmental risks.

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# HOUTMAN ABROLHOS - BASILE ISLAND

## PETER AND KAREN ARMSTRONG

### AQUACULTURE APPLICATION - SITE PLAN

ALL THAT PORTION OF TERRITORIAL WATER WITHIN THE BOUNDARIES DESCRIBED AND COLOURED GREEN ON THE PLAN BELOW COMPRISING A TOTAL AREA OF 0.033(A) AND 2.327(B) HECTARES RESPECTIVE

113°57.75'E

113°58'E

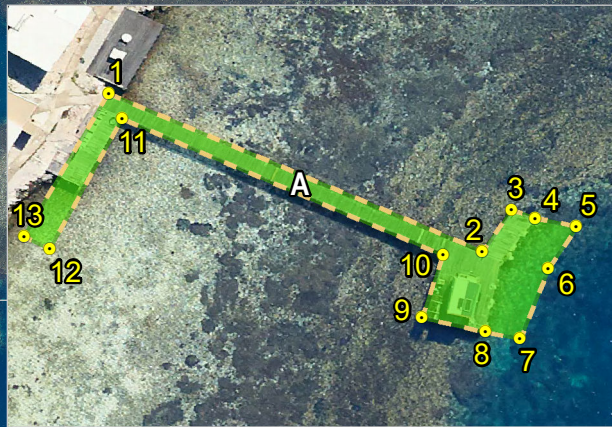
Boundary Coordinates: Datum GDA94

Point	Latitude	Longitude
1	28° 52.500' S	113° 57.782' E
2	28° 52.511' S	113° 57.808' E
3	28° 52.508' S	113° 57.810' E
4	28° 52.508' S	113° 57.812' E
5	28° 52.509' S	113° 57.815' E
6	28° 52.512' S	113° 57.813' E
7	28° 52.517' S	113° 57.811' E
8	28° 52.516' S	113° 57.809' E
9	28° 52.515' S	113° 57.804' E
10	28° 52.511' S	113° 57.806' E
11	28° 52.501' S	113° 57.783' E
12	28° 52.511' S	113° 57.777' E
13	28° 52.510' S	113° 57.776' E
14	28° 52.612' S	113° 57.943' E
15	28° 52.615' S	113° 58.045' E
16	28° 52.689' S	113° 58.001' E
17	28° 52.687' S	113° 57.899' E

\*Coordinates determined from 2015 aerial imagery

#### Legend

- Aquaculture Licence Application Site
- Aquaculture Licence Site (Currently Held)
- Existing Aquaculture Licence Site



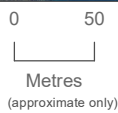
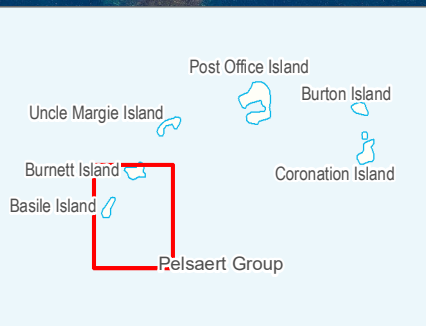
28°52.5'S

28°52.5'S

Basile Island

28°52.75'S

28°52.75'S



#### PLAN AA-0040

SOURCE DATA  
Aquaculture Licences: DPIRD  
Aerial Imagery 2015, Coastline, Geographic Names: Landgate

Drawn by: T.Burkitt  
Date: 13/11/2019  
Datum: GDA94

Project: I20602505\0029\  
File: AL-0040\_20191113.mxd

Disclaimer: This map is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



Department of  
Primary Industries and  
Regional Development

113°57.75'E

113°58'E