

Application for a Pearl Oyster Farm Lease

Name of Applicant: BR & LM Brown

Details of Proposed Lease

Location of Lease: "Red Bluff" (coordinates as in **Appendix 1**)

Size: 0.595 square nautical miles

Proposed Use: Bottom culture

Environmental Considerations (responses are directly from the application)

Benthic Habitat: The seafloor in the area is of a sand and grit composition with little structure or sea life (drift dive transect at **Image 1 & 2**).

Water Movement/Circulation: The area has high tidal movement and exchange up to 9m during spring tides. The tide floods from the north west and ebbs in a south westerly direction (tidal flow map at **Image 3**).

Important Biological Resources: Some pelagic sea life is seen in the area, very little sea life recorded on the sea floor. The area is not a notable area for breeding or feeding of any species.

Potential Environmental Impacts: The sea floor is of sand and grit composition, there will be very little environmental impact on the sea floor. The proposed Yawuru Nagulagun/Roebuck Bay Marine Park is the closest marine park over 11 nautical miles away to the south.

Image 1:



Image 2:



Image 3:



RED BLUFF BR & LM BROWN PEARL FARM LEASE APPLICATION - SITE PLAN

ALL THAT PORTION OF TERRITORIAL WATER WITHIN THE BOUNDARY DESCRIBED AND COLOURED GREEN ON THE PLAN BELOW COMPRISING A TOTAL WATER AREA OF 0.595 SQUARE NAUTICAL MILES

