

Accepted Manuscript

Composition of beachcast material containing green-lipped mussel (*Perna canaliculus*) seed harvested for aquaculture in New Zealand

Andrew G. Jeffs, Natalí J. Delorme, Jenni Stanley, Leonardo N. Zamora, Carina Sim-Smith



PII: S0044-8486(17)31952-X
DOI: <https://doi.org/10.1016/j.aquaculture.2018.01.024>
Reference: AQUA 633026
To appear in: *aquaculture*
Received date: 30 September 2017
Revised date: 15 January 2018
Accepted date: 16 January 2018

Please cite this article as: Andrew G. Jeffs, Natalí J. Delorme, Jenni Stanley, Leonardo N. Zamora, Carina Sim-Smith , Composition of beachcast material containing green-lipped mussel (*Perna canaliculus*) seed harvested for aquaculture in New Zealand. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Aqua(2017), <https://doi.org/10.1016/j.aquaculture.2018.01.024>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Composition of beachcast material containing green-lipped mussel (*Perna canaliculus*) seed harvested for aquaculture in New Zealand

Andrew G. Jeffs ^{a,b,*}, Natalí J. Delorme ^b, Jenni Stanley ^c, Leonardo N. Zamora ^d, Carina Smith ^e

^a Institute of Marine Science, University of Auckland, Private Bag 92019, Auckland, New Zealand

^b School of Biological Sciences, University of Auckland, Private Bag 92019, Auckland, New Zealand

^c National Oceanic and Atmospheric Administration, Northeast Fisheries Science Center, National Marine Fisheries Science Center, 166 Water Street, Woods Hole, MA 02543-1026, USA

^d Cawthron Institute, Private Bag 2, Nelson, New Zealand

^e Clearsight Consulting Ltd, 35 Mellons Bay Rd, Auckland 2014, New Zealand

□ Corresponding author. Tel.: +64 93793817; fax: +64 93798917

E-mail address: a.jeffs@auckland.ac.nz (A.G. Jeffs).

Keywords: *Perna canaliculus*, Mussel seed, Spat, Settlement

Highlights:

- The large-scale New Zealand Greenshell™ mussel aquaculture industry is almost 100% reliant on wild-caught juveniles (or spat) for seeding mussel farms.
- Wild spat washes-up in enormous quantities along a single beach in north-western New Zealand attached to macroalgae and other bottom-drifting debris and is harvested and used to supply seed to most mussel farms.

Download English Version:

<https://daneshyari.com/en/article/8493406>

Download Persian Version:

<https://daneshyari.com/article/8493406>

[Daneshyari.com](https://daneshyari.com)