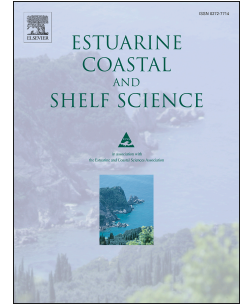


Accepted Manuscript

Distribution, associated species and extent of biofouling “reefs” formed by the alien species *Ficopomatus enigmaticus* (Annelida, Polychaeta) in marinas

Maud Charles, Robin Faillettaz, Nicolas Desroy, Jérôme Fournier, Katherine Costil



PII: S0272-7714(17)30723-0

DOI: [10.1016/j.ecss.2018.07.007](https://doi.org/10.1016/j.ecss.2018.07.007)

Reference: YECSS 5909

To appear in: *Estuarine, Coastal and Shelf Science*

Received Date: 11 July 2017

Revised Date: 3 July 2018

Accepted Date: 7 July 2018

Please cite this article as: Charles, M., Faillettaz, R., Desroy, N., Fournier, Jéô., Costil, K., Distribution, associated species and extent of biofouling “reefs” formed by the alien species *Ficopomatus enigmaticus* (Annelida, Polychaeta) in marinas, *Estuarine, Coastal and Shelf Science* (2018), doi: 10.1016/j.ecss.2018.07.007.

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.

Distribution, associated species and extent of biofouling “reefs” formed by the alien species *Ficopomatus enigmaticus* (Annelida, Polychaeta) in marinas.

Maud Charles^{1,2}, Robin Faillettaz³, Nicolas Desroy⁴, Jérôme Fournier^{5,6}, Katherine Costil^{1,2*}

¹ Normandie Université, F-14032 Caen, France

² UMR BOREA (Biologie des Organismes et Ecosystèmes Aquatiques); MNHN, UPMC, UCN, CNRS-7208, IRD-207; Université de Caen Normandie, Esplanade de la Paix, 14032 Caen Cedex 5, France

³ Sorbonne Université, UPMC Université de Paris 06, CNRS, Laboratoire d’Océanographie de Villefranche (LOV), Villefranche-sur-Mer, France

⁴ IFREMER, Laboratoire Environnement et Ressources Bretagne Nord, 38 rue du Port Blanc, BP 80108, 35801 Dinard cedex, France

⁵ CNRS, UMR 7208 BOREA, 61 rue Buffon, CP 53, 75231 Paris cedex 05, France

⁶ MNHN, Station de Biologie Marine, BP 225, 29182 Concarneau cedex, France

* Corresponding author. Tel.: +33 2 31 56 58 28, Fax: +33 2 31 56 53 46.

E-mail address: katherine.costil@unicaen.fr (K. Costil).

Highlights:

- Biofouling in Normandy’s marinas (France) was dominated by *Ficopomatus enigmaticus*.
- Reefs built by *F. enigmaticus* were colonized by 4 sessile and 15 motile taxa.
- 7 (4 sessile, 3 motile) out of the 17 species identified were alien.
- The density of motile fauna was not correlated with the volume of *F. enigmaticus*.
- The crab *Rhithropanopeus harrisi* showed the highest frequency and mean density.

Download English Version:

<https://daneshyari.com/en/article/8884629>

Download Persian Version:

<https://daneshyari.com/article/8884629>

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