Accepted Manuscript

Temperature and depth distribution of Japanese eel eggs estimated using otolith oxygen stable isotopes

Kotaro Shirai, Tsuguo Otake, Yosuke Amano, Mari Kuroki, Takayuki Ushikubo, Noriko T. Kita, Masafumi Murayama, Katsumi Tsukamoto, John W. Valley

PII: S0016-7037(18)30147-9

DOI: https://doi.org/10.1016/j.gca.2018.03.006

Reference: GCA 10700

To appear in: Geochimica et Cosmochimica Acta

Received Date: 24 April 2017 Accepted Date: 3 March 2018



Please cite this article as: Shirai, K., Otake, T., Amano, Y., Kuroki, M., Ushikubo, T., Kita, N.T., Murayama, M., Tsukamoto, K., Valley, J.W., Temperature and depth distribution of Japanese eel eggs estimated using otolith oxygen stable isotopes, *Geochimica et Cosmochimica Acta* (2018), doi: https://doi.org/10.1016/j.gca.2018.03.006

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.

ACCEPTED MANUSCRIPT

Temperature and depth distribution of Japanese eel eggs estimated using otolith oxygen stable isotopes

Kotaro Shirai¹*, Tsuguo Otake²*, Yosuke Amano³, Mari Kuroki², Takayuki Ushikubo^{4,5}, Noriko T. Kita⁵, Masafumi Murayama⁶, Katsumi Tsukamoto⁷, John W. Valley⁵

¹Atmosphere and Ocean Research Institute, The University of Tokyo, 5-1-5 Kashiwanoha, Kashiwa, Chiba 277-8564, Japan

² Graduate School of Agricultural and Life Sciences, The University of Tokyo, 1-1-1 Yayoi, Bunkyo, Tokyo 113-8657, Japan

³Tohoku National Fisheries Research Institute, Fisheries Research Agency, Shiogama, Miyagi 985-0001, Japan

⁴Kochi Institute for Core Sample Research, Japan Agency for Marine-Earth Science and Technology (JAMSTEC), Monobe B200, Nankoku, Kochi 783-8502, Japan

⁵WiscSIMS, Department of Geoscience, University of Wisconsin, Madison, WI 53706, USA

⁶Center for Advanced Marine Core Research, Kochi University, B200 Monobe, Nankoku, Kochi 783-8502, Japan

⁷ College of Bioresource Sciences, Nihon University, 1866 Kameino, Fujisawa, Kanagawa 252-0880, Japan

*Corresponding authors:

E-mail: kshirai@aori.u-tokyo.ac.jp

Phone: +81-4-7136-6403

Email: otake@aqua.fs.a.u-tokyo.ac.jp

Phone: +81-3-5841-5307

Running title: Japanese eel otoliths oxygen isotopes

Download English Version:

https://daneshyari.com/en/article/8910664

Download Persian Version:

https://daneshyari.com/article/8910664

<u>Daneshyari.com</u>