



Corrigendum: Environmental and Biological Determinants of Algal Lipids in Western Arctic and Subarctic Seas

Vincent Marmillot^{1*}, Christopher C. Parrish^{2*}, Jean-Éric Tremblay¹, Michel Gosselin³ and Jenna F. MacKinnon²

¹Département de Biologie, Université Laval, Québec, QC, Canada, ²Department of Ocean Sciences, Memorial University of Newfoundland, St. John's, NL, Canada, ³Institut des Sciences de la mer de Rimouski, Université du Québec à Rimouski, Rimouski, QC, Canada

Keywords: lipids, phytoplankton, ω3 FA, ω6 FA, Arctic, taxonomy, environment

A corrigendum on

Environmental and Biological Determinants of Algal Lipids in Western Arctic and Subarctic Seas

by Marmillot, V., Parrish, C. C., Tremblay, J.-É., Gosselin, M., and MacKinnon, J. F. (2020) *Environmental and Biological Determinants of Algal Lipids in Western Arctic and Subarctic Seas*. *Front. Environ. Sci.* 8:538635. doi:10.3389/fenvs.2020.538635

OPEN ACCESS

Approved by:

Frontiers Editorial Office, Frontiers
Media SA, Switzerland

*Correspondence:

Vincent Marmillot
vincent.marmillot.1@ulaval.ca
Christopher C. Parrish
cparrish@mun.ca

Specialty section:

This article was submitted to
Biogeochemical Dynamics,
a section of the journal
Frontiers in Environmental Science

Received: 18 January 2021

Accepted: 21 January 2021

Published: 11 March 2021

Citation:

Marmillot V, Parrish CC, Tremblay J-É,
Gosselin M and MacKinnon JF (2021)
Corrigendum: Environmental and
Biological Determinants of Algal Lipids
in Western Arctic and Subarctic Seas.
Front. Environ. Sci. 9:655241.
doi: 10.3389/fenvs.2021.655241

In the original article, there was an error in the Materials and Methods. It was indicated sampling was conducted at Baffin Bay between 26 and 28 August. In fact it was 26–28 September. A correction has been made to the **Materials and Methods** section, subsection **Survey Area**.

“Sampling was conducted with the Canadian icebreaker CCGS Amundsen from 29 July to October 2, 2016. The 44 stations were spread out across Baffin Bay (29 July - 3 August and 26–28 September), Nares Strait (6–16 August), the Northwest Passage (4 August and 17–24 August and 18–25 September), the Beaufort Sea (28 August - 5 September) and the Labrador Sea (1–2 October). According to the general ocean circulation pattern, different water masses influence the overall sampling area. The western parts of Baffin Bay and the Labrador Sea are exposed to cold and relatively fresh waters descending from the high Arctic, such as the Baffin Island Current and the Labrador Current (Tremblay et al., 2018). These two currents carry predominantly Pacific-derived waters that previously transited across the Beaufort Sea and enter the Canadian Archipelago via Nares Strait and the Northwest Passage’s Barrow Strait and Lancaster Sound. By contrast, Atlantic waters enter the survey area around the southern tip of Greenland and propagate northward with the West Greenland Current along the eastern edges of the Labrador Sea and Baffin Bay eventually crossing to the west. Most of the sampling stations were located in relatively shallow waters but regional differences in average bottom depths were present, with shelf stations of the Labrador sea (153 ± 13 m) and Northwest Passage (204 ± 26 m) being shallower than stations in the Beaufort Sea (352 ± 70 m), Nares Strait (476 ± 31 m) and Baffin Bay (489 ± 42 m).”

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

REFERENCES

Tremblay, J.-É., Sejr, M., Bélanger, B., Devred, E., Archambault, P., and Arendt, K.(2018). Marine ecosystems. *Adaptation actions for a changing Arctic: perspectives from the Baffin Bay/Davis Strait Region* (Oslo: Arctic Monitoring and Assessment Programme (AMAP))139–149.

Copyright © 2021 Marmillot, Parrish, Tremblay, Gosselin and MacKinnon. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.