

Accepted Manuscript

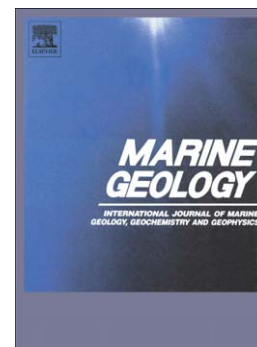
Submarine channel evolution, terrace development, and preservation of intra-channel thin-bedded turbidites: Mahin and Avon channels, offshore Nigeria

Larissa Hansen, Michal Janocko, Ian Kane, Ben Kneller

PII: S0025-3227(16)30318-8
DOI: doi:[10.1016/j.margeo.2016.11.011](https://doi.org/10.1016/j.margeo.2016.11.011)
Reference: MARGO 5547

To appear in: *Marine Geology*

Received date: 23 March 2016
Revised date: 3 November 2016
Accepted date: 18 November 2016



Please cite this article as: Hansen, Larissa, Janocko, Michal, Kane, Ian, Kneller, Ben, Submarine channel evolution, terrace development, and preservation of intra-channel thin-bedded turbidites: Mahin and Avon channels, offshore Nigeria, *Marine Geology* (2016), doi:[10.1016/j.margeo.2016.11.011](https://doi.org/10.1016/j.margeo.2016.11.011)

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.

Submarine channel evolution, terrace development, and preservation of intra-channel thin-bedded turbidites: Mahin and Avon channels, offshore Nigeria

Author list:

Larissa Hansen¹, Michal Janocko², Ian Kane³, Ben Kneller¹

Email of corresponding author: Larissa.Hansen@abdn.ac.uk

¹ University of Aberdeen, Department of Geology and Petroleum Geology, Aberdeen, AB24 3UE, UK

² Statoil ASA, Research Centre Bergen, NO-5020 Bergen, Norway

³ University of Manchester, School of Earth and Environmental Sciences, Williamson Building, Oxford Road, Manchester, M13 9PL, UK

Abstract

Terraces on the modern seafloor are defined as topographically flat areas above the active submarine channel thalweg but within the confines of the channel-belt. They have been described from many modern submarine channels, but the controls on terrace distribution, evolution and stacking patterns are not well understood. In this study, we describe the architecture of the Mahin and Avon channel-belts and their associated terraces, located offshore Nigeria towards the northwest of the Niger Delta. The studied channel sections are less than 10 km apart up-dip and converge downslope. They are on slopes with similar gradients,

Download English Version:

<https://daneshyari.com/en/article/5784459>

Download Persian Version:

<https://daneshyari.com/article/5784459>

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