Accepted Manuscript

Geomorphology and internal architecture of Holocene sandy-gravel beach ridge plain and barrier spits at Río Chico area, Tierra del Fuego, Argentina

Alejandro Montes, Gustavo Bujalesky, José Matildo Paredes

PII: \$0895-9811(17)30395-4

DOI: 10.1016/j.jsames.2018.03.012

Reference: SAMES 1895

To appear in: Journal of South American Earth Sciences

Received Date: 27 September 2017

Revised Date: 9 March 2018
Accepted Date: 19 March 2018

Please cite this article as: Montes, A., Bujalesky, G., Paredes, José.Matildo., Geomorphology and internal architecture of Holocene sandy-gravel beach ridge plain and barrier spits at Río Chico area, Tierra del Fuego, Argentina, *Journal of South American Earth Sciences* (2018), doi: 10.1016/j.jsames.2018.03.012.

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.



Geomorphology and internal architecture of Holocene sandy-gravel beach ridge plain and barrier spits at Río Chico area, Tierra del Fuego, Argentina.

Alejandro Montes^{1,2}, Gustavo Bujalesky¹, José Matildo Paredes²

¹Centro Austral de Investigaciones Científicas (CONICET), Bernardo Houssay 200, 9410 Ushuaia, Tierra del Fuego. Argentina. E-mail: alejandrogeomontes@gmail.com

² Departamento de Geología, FCNyCS, Universidad Nacional de la Patagonia San Juan Bosco, Comodoro Rivadavia, Chubut. Argentina.

Corresponding author: A. Montes alejandrogeomontes@gmail.com

TEL: +54902901-422314

KEYWORDS: beach ridge plain, barrier spit, ground penetrating radar, Holocene, Tierra del Fuego.

Highlights:

- 1. Overtopping and beach-face progradation are the main processes of beach ridge plain development.
- 2. Storm waves and scarcity of sediment supply interrupt beach ridge growth.
- 3. Sediment cannibalization promotes the longitudinal growth of the beach ridges towards the distal areas.
- 4. Barrier spits show transgressive facies associated with overwash.
- 5. Landward migration of barrier spits due to rollover is related to sediment scarcity.

Download English Version:

https://daneshyari.com/en/article/8907664

Download Persian Version:

https://daneshyari.com/article/8907664

<u>Daneshyari.com</u>