

Accepted Manuscript

Pleistocene molluscan assemblage in the southern Coastal Plain of Rio Grande do Sul, Brazil: Implications in the evolution of a Barrier-Lagoon System

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PII: S0895-9811(18)30108-1

DOI: [10.1016/j.jsames.2018.06.014](https://doi.org/10.1016/j.jsames.2018.06.014)

Reference: SAMES 1954

To appear in: *Journal of South American Earth Sciences*

Received Date: 6 March 2018

Revised Date: 20 June 2018

Accepted Date: 20 June 2018

Please cite this article as: Bettinelli, M., Dillenburg, Sé.Rebello., Lopes, R.P., Caron, F., Pleistocene molluscan assemblage in the southern Coastal Plain of Rio Grande do Sul, Brazil: Implications in the evolution of a Barrier-Lagoon System, *Journal of South American Earth Sciences* (2018), doi: 10.1016/j.jsames.2018.06.014.

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1 **Pleistocene molluscan assemblage in the southern Coastal Plain of Rio Grande do**
2 **Sul, Brazil: implications in the evolution of a Barrier-Lagoon System**

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19 **Abstract**

20 The Barrier-Lagoon System III is the better preserved Pleistocene depositional system in

21 the southern Coastal Plain of the state of Rio Grande do Sul, Brazil. The origin of this unit

22 is correlated to the sea-level highstand of the last interglacial stage, but so far very little is

23 known about the evolution and stratigraphy of this unit due to the scarcity of outcrops. A

24 fossil assemblage consisting of thousands of bivalve and gastropod shells were recovered

25 from drilling holes and SPT (Standard Penetration Test) surveys performed at depths up to

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