

UNDERSEA FEATURE NAME PROPOSAL

Name Proposed:	Rio Grande Cone	Ocean or Sea: Atlantic Ocean
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Geometry that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
Yes						

* Geometry should be clearly distinguished when providing the coordinates below.

	Lat.	Long.
Coordinates:	33°14.74'S (Central Point)	049°33.50'W (Central Point)

Feature Description:	Maximum Depth: - 4500 m Minimum Depth: - 100 m Total Relief:	Steepness: Shape: Triangle; Elongated Dimension/Size: 75000 km ² (approximately)
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Associated Features: Rio Grande Terrace

Chart/Map References:	Shown Named on Map/Chart: Shown Unnamed on Map/Chart: 30 (INT 201) Within Area of Map/Chart: 19002 (INT 22)
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Reason for Choice of Name: The feature is offshore Rio Grande do Sul State and near Rio Grande Terrace

Discovery Facts:	Discovery Date: ----- Discoverer (Individual, Ship): -----
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Supporting Survey Data, including Track Controls:	Date of Survey: May/2010 Survey Ship: Sea Surveyor (Brazilian Continental Shelf Project) Sounding Equipment: Multibeam Kongsberg-Simrad EM122 Type of Navigation: GPS Estimated Horizontal Accuracy (nm): Survey Track Spacing:
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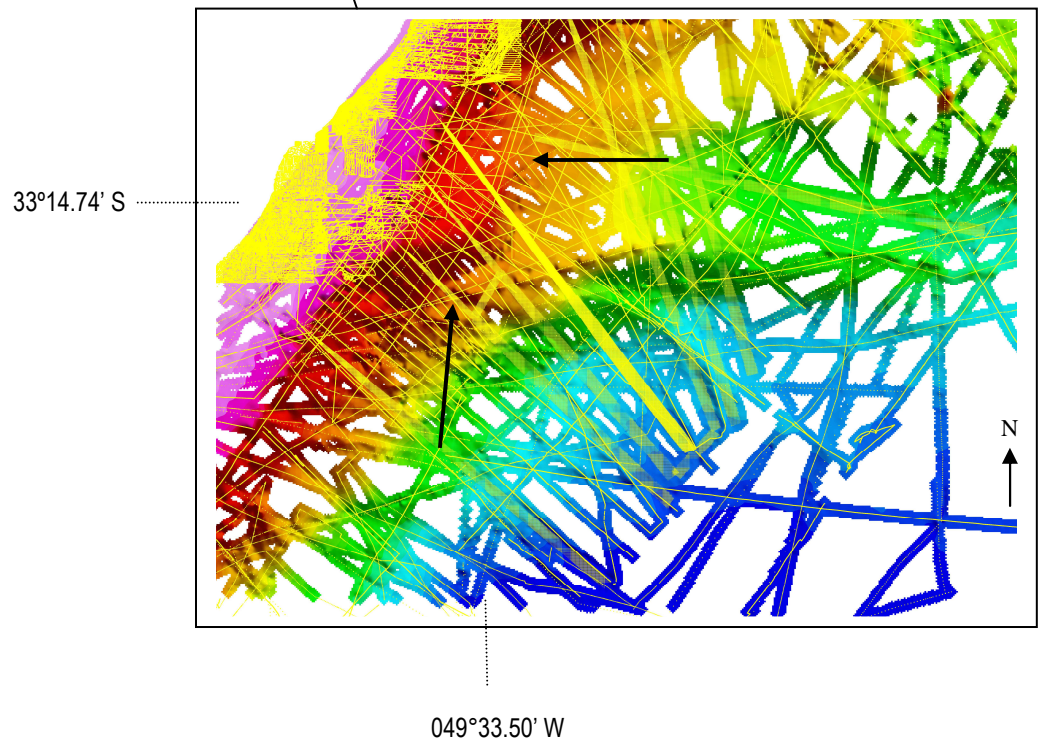
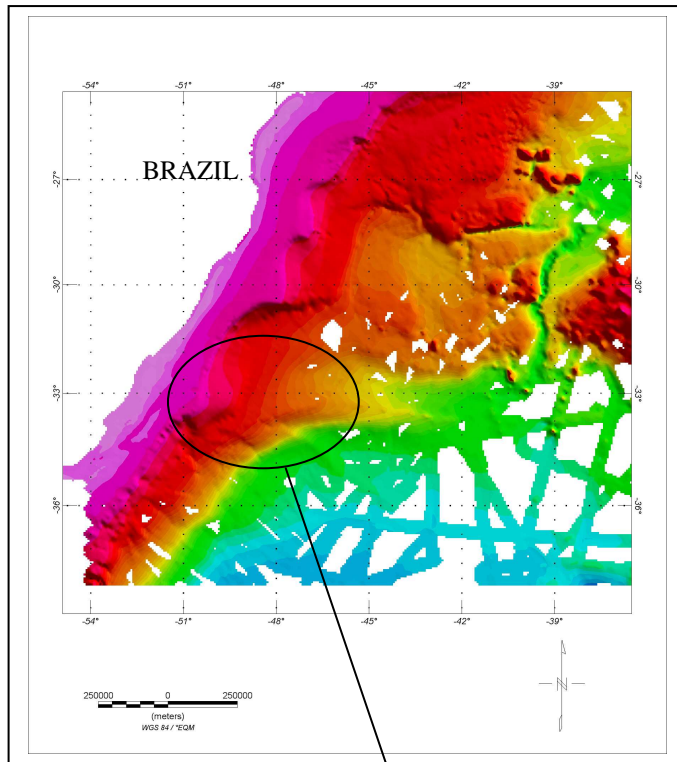
Remarks: *This proposal is to clarify the one that was sent in 2009 with the name Rio Grande Fan which is listed in the Reserve Section. The name of the feature that is well recognized by the scientific community is Rio Grande Cone instead Rio Grande Fan. The other question is that the Rio Grande Cone was located in this proposal with a single point instead a polygon. It is a*

huge sedimentary feature with more than 8000 m of sedimentary thickness and the multibeam survey did not recover it all.

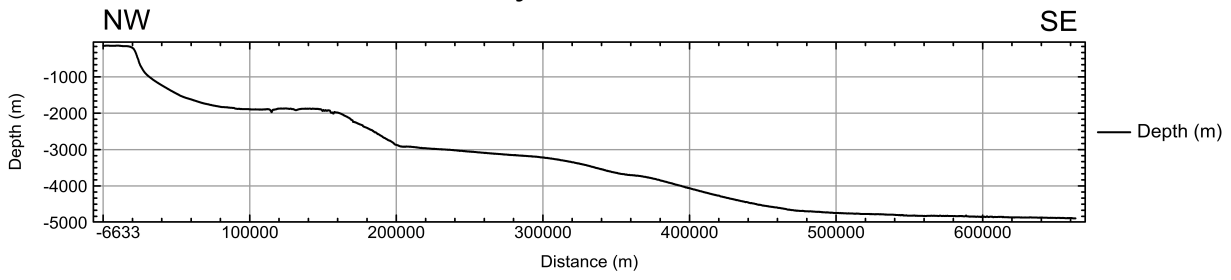
References;

Zembruschi, S. G, *Geomorfologia da Margem Continental Sul Brasileira e das Bacias Oceânicas Adjacentes*, In. *Série Projeto REMAC, N7*, 177, 129-177, 1979.

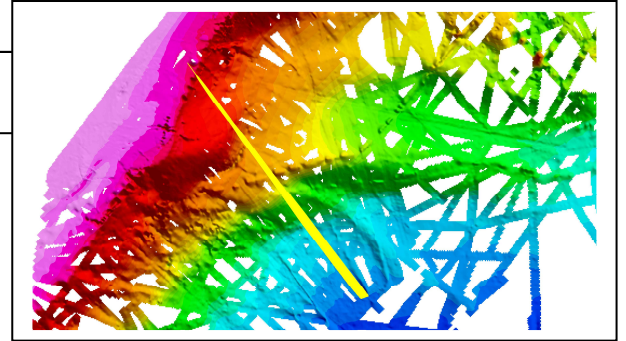
Location of Rio Grande Cone



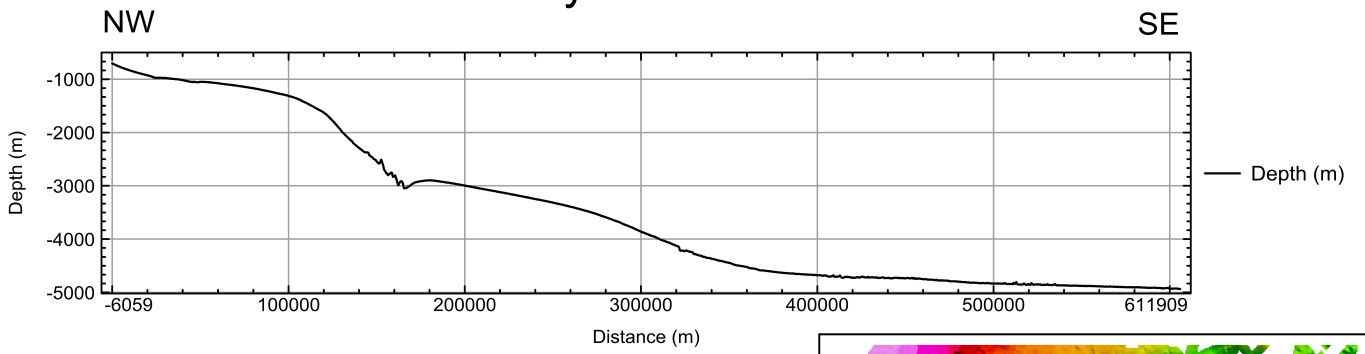
Bathymetric Profile



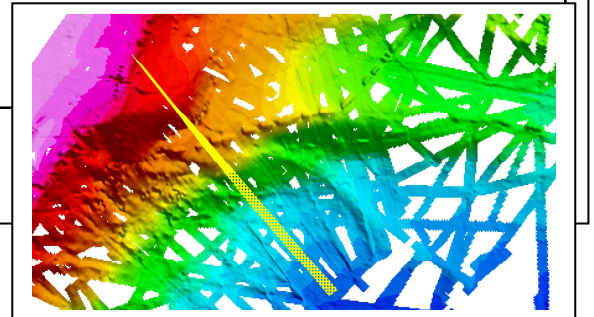
LB52_1



Bathymetric Profile



LB52



Proposer(s):

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Date: July /2010

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