

UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

Note: The boxes will expand as you fill the form.

Name Proposed:	Amazon Channel	Ocean or Sea:	Atlantic Ocean
----------------	----------------	---------------	----------------

Geometry that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
Yes	Yes					

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

	Lat. (e.g. 63°32.6'N)	Long. (e.g. 046°21.3'W)
	Central point 05°23.56'N	Central point 047°41.73'W
Coordinates:	7°27.97'N	047°51.48'W
	7°12.18'N	047°50.07'W
	7°06.30'N	047°49.12'W
	7°02.83'N	047°52.78'W
	6°59.43'N	047°54.10'W
	6°57.77'N	047°54.67'W
	6°54.60'N	047°55.42'W
	6°46.83'N	047°55.22'W
	6°44.72'N	047°54.00'W
	6°44.25'N	047°56.32'W
	6°34.98'N	047°54.58'W
	6°26.95'N	047°50.75'W
	6°22.12'N	047°53.28'W
	6°17.05'N	047°52.85'W
	6°00.30'N	047°49.98'W
	5°50.97'N	047°46.10'W
	5°47.08'N	047°46.28'W
	5°43.42'N	047°41.38'W
	5°34.25'N	047°43.45'W
	5°29.95'N	047°42.60'W
	5°13.07'N	047°38.57'W
	5°03.43'N	047°28.18'W
	5°00.22'N	047°29.58'W
	4°54.30'N	047°32.15'W
4°41.43'N	047°31.85'W	
4°32.85'N	047°30.68'W	
4°29.22'N	047°35.52'W	
4°06.70'N	047°40.55'W	
3°57.88'N	047°33.20'W	
3°52.03'N	047°33.33'W	
3°45.13'N	047°41.17'W	
3°41.45'N	047°41.05'W	
3°35.52'N	047°52.68'W	
3°32.43'N	048°14.02'W	

Feature Description:	Maximum Depth:	200 m	Steepness :	
	Minimum Depth :	7.5 m	Shape :	Elongated and meandered



Reconstruction of turbidity currents in Amazon Channel

Carlos Pirmez^{a,*}, Jasim Imran^b

^aShell International Exploration & Production, Inc., P.O. Box 481, Houston, TX 77001, USA

^bDepartment of Civil and Environmental Engineering, University of South Carolina, Columbia, SC, USA

Received 1 September 2002; accepted 28 March 2003

Discovery Facts:

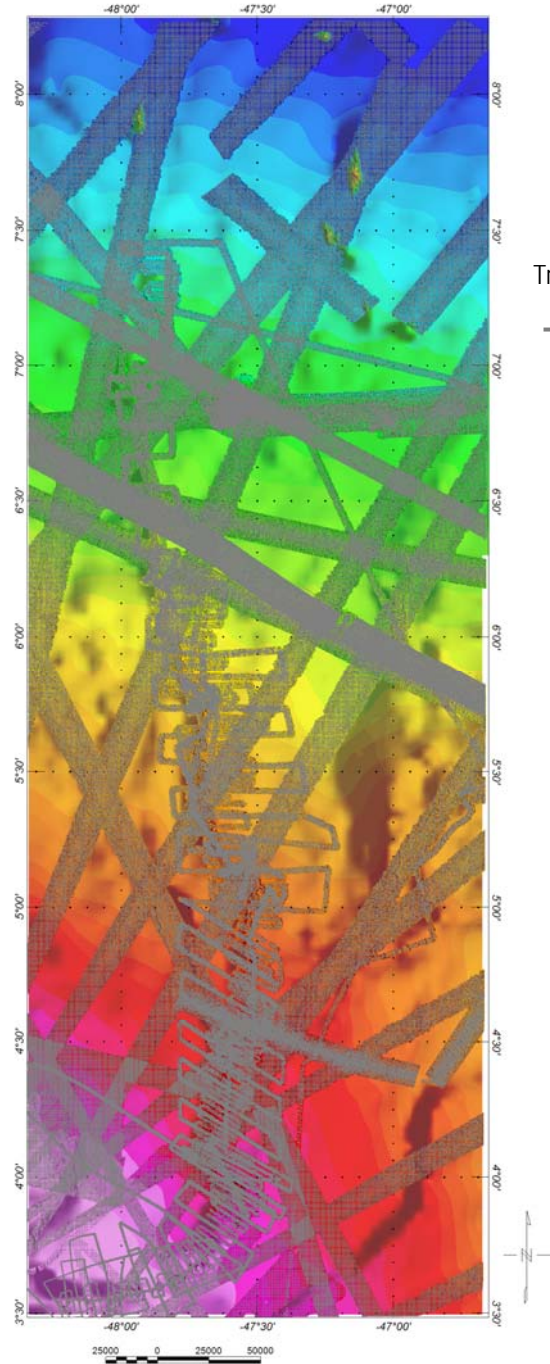
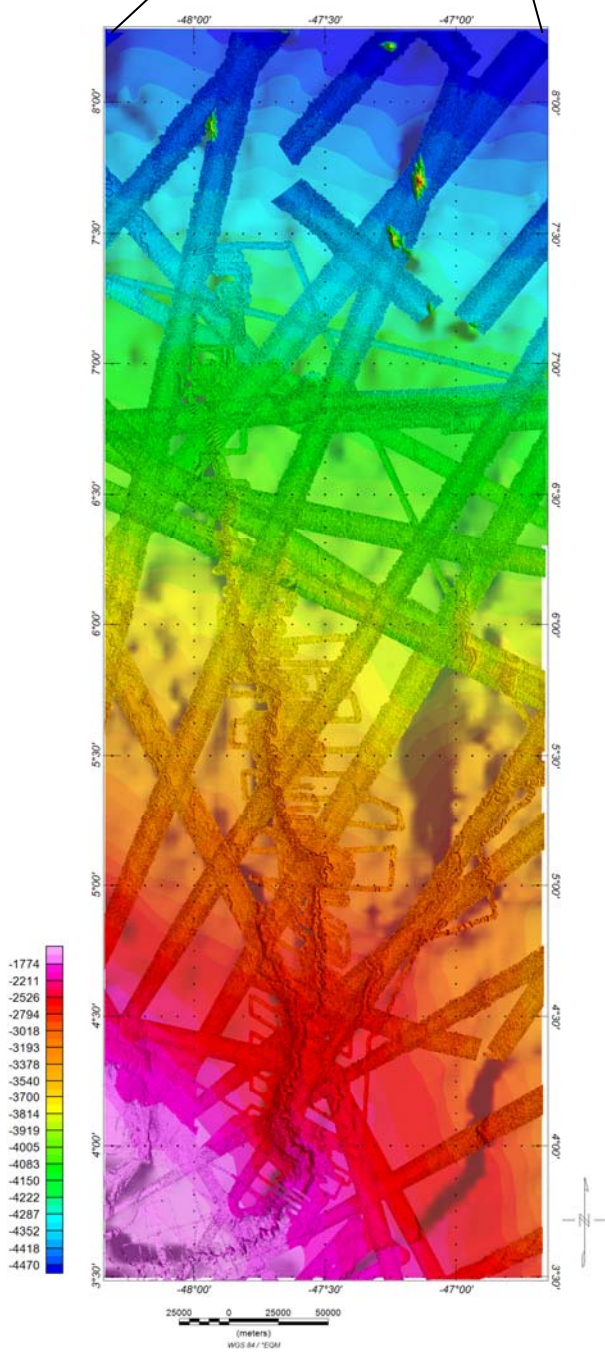
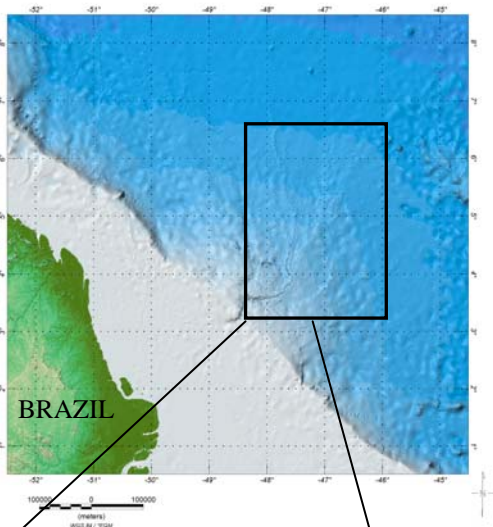
Discovery Date:

Discoverer (Individual, Ship):

Supporting Survey Data, including Track Controls:

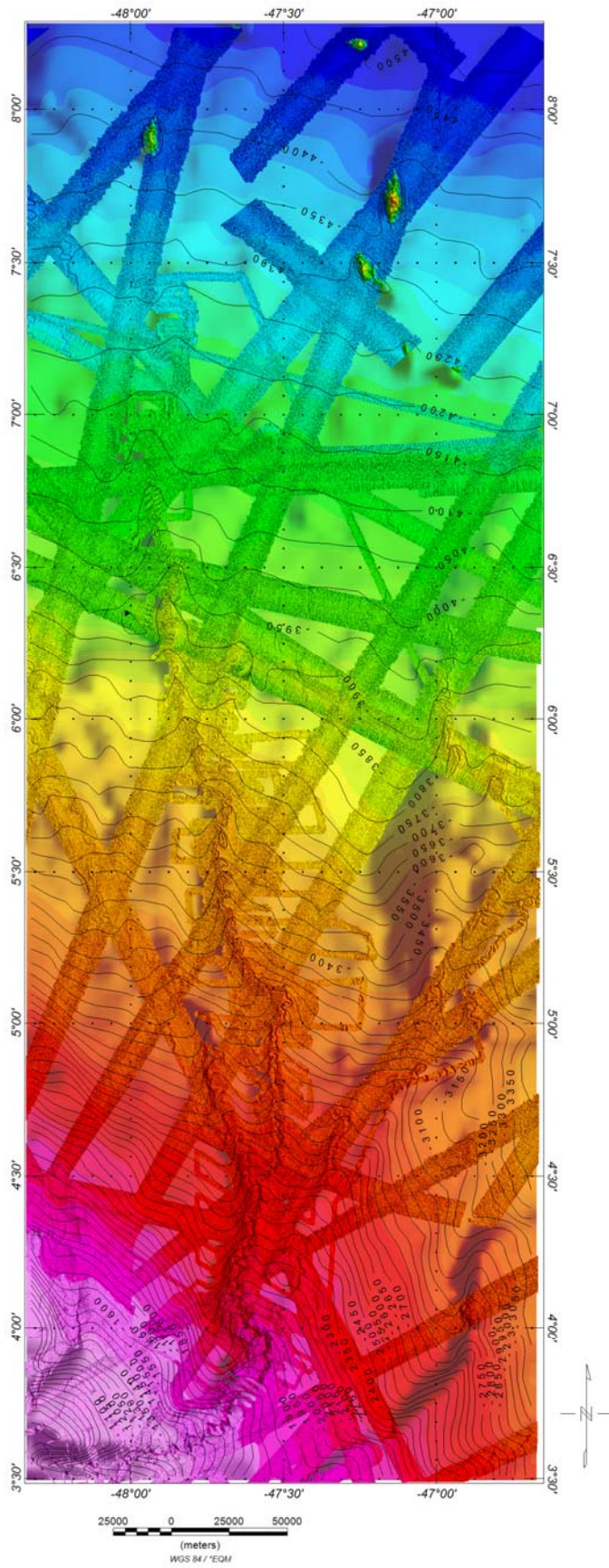
Date of Survey:	1984, 2000, 2009, 2010
Survey Ship:	R/V Robert D. Conrad, R/V Knorr, MV Sea Surveyor (Brazilian Continental Shelf Project)
Sounding Equipment:	Multibeam – SeaBeam, SeaBeam 2112, SeaBeam 3012 and EM122
Type of Navigation:	GPS
Estimated Horizontal Accuracy (nm):	
Survey Track Spacing:	4 Km – Full bottom covered and 30 km - 4 km
Supporting material can be submitted as Annex in analog or digital form.	

Location of the Amazon Channel



Track line
Multibeam

Bathymetric map of the Amazonas Channel (interval contour: 50 m)



Delimitation of the line

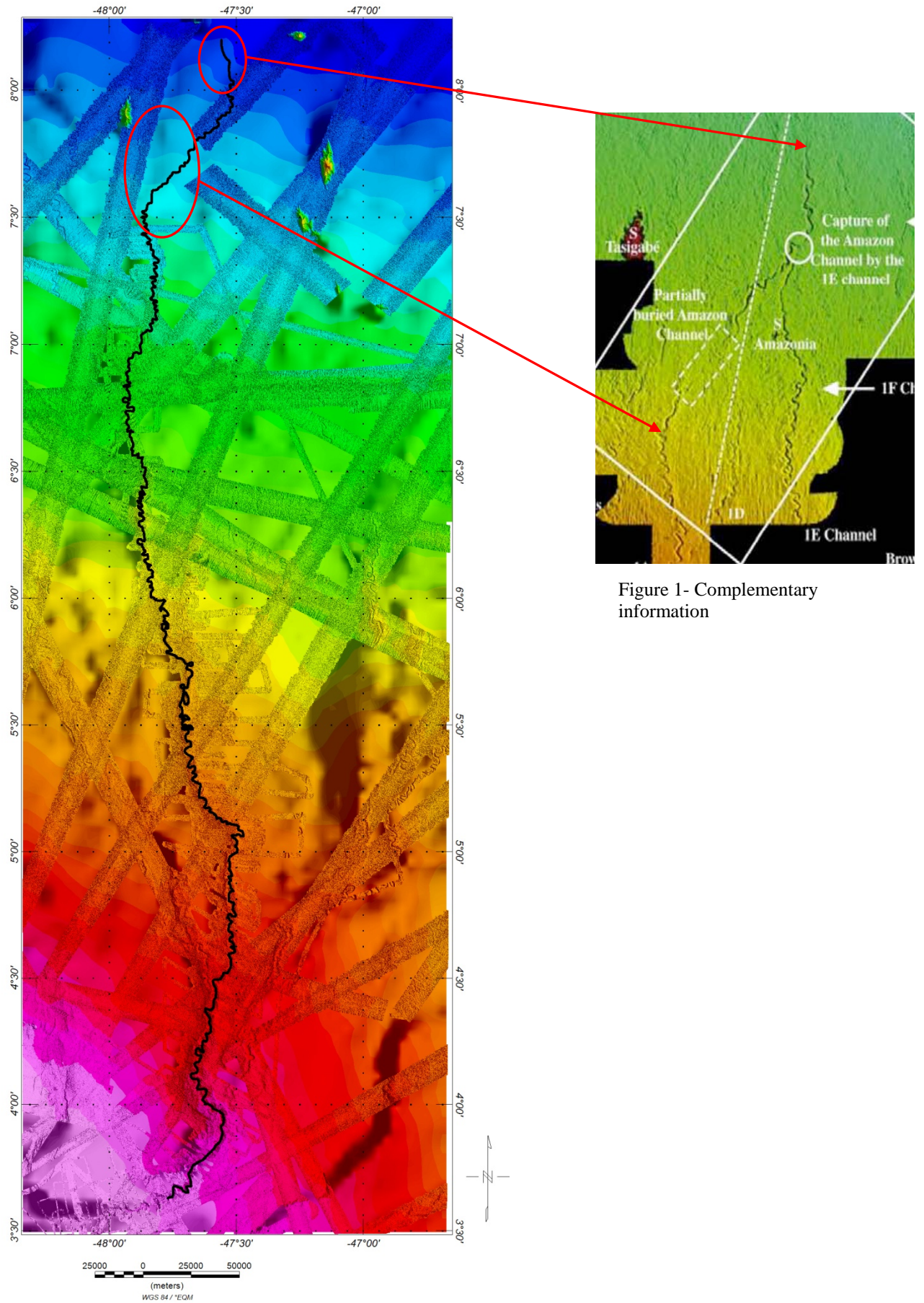
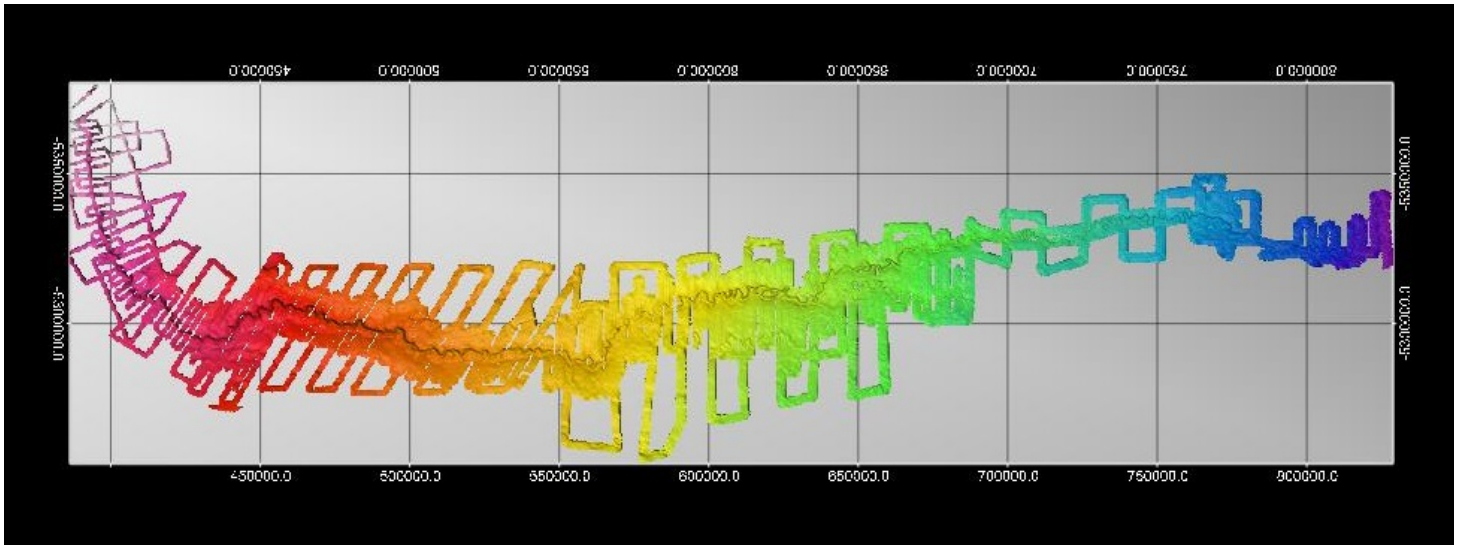
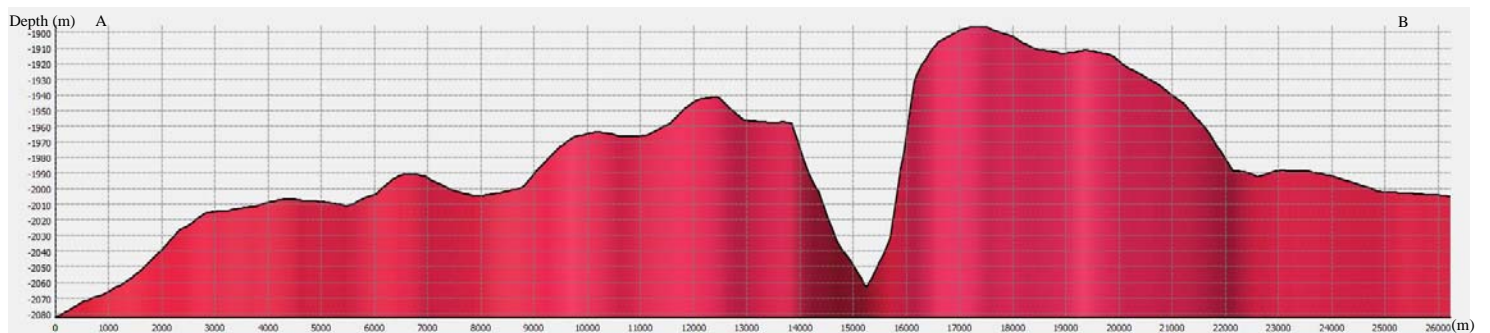
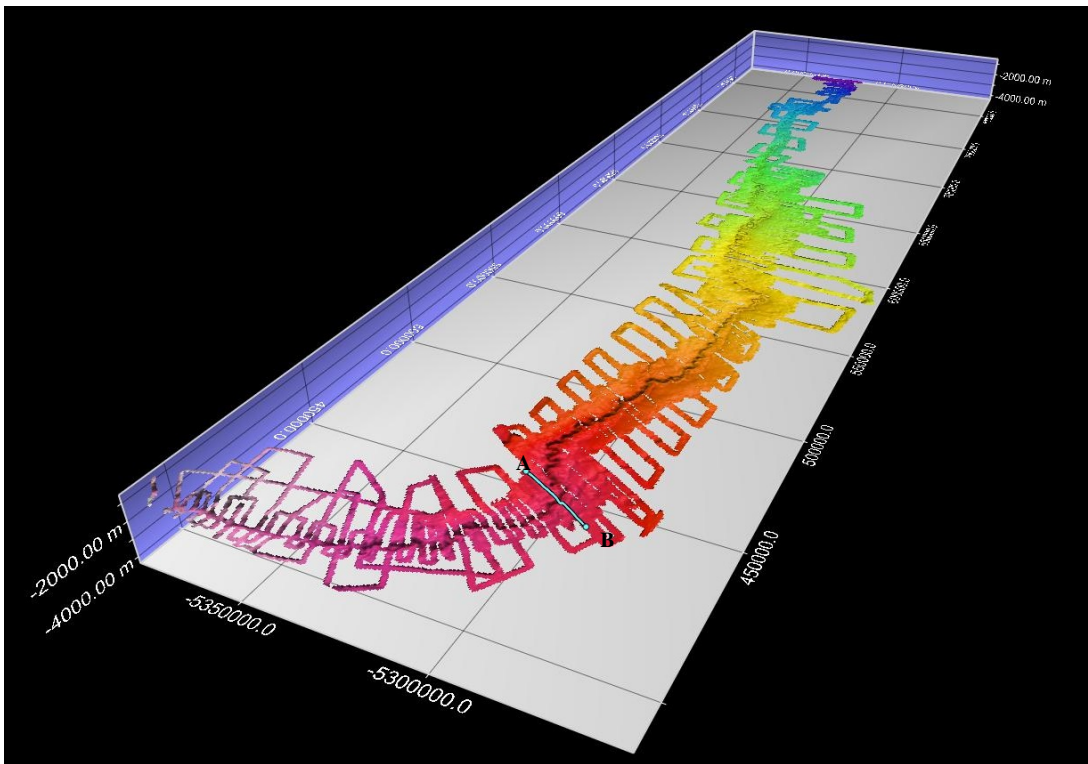


Figure 1- Complementary information

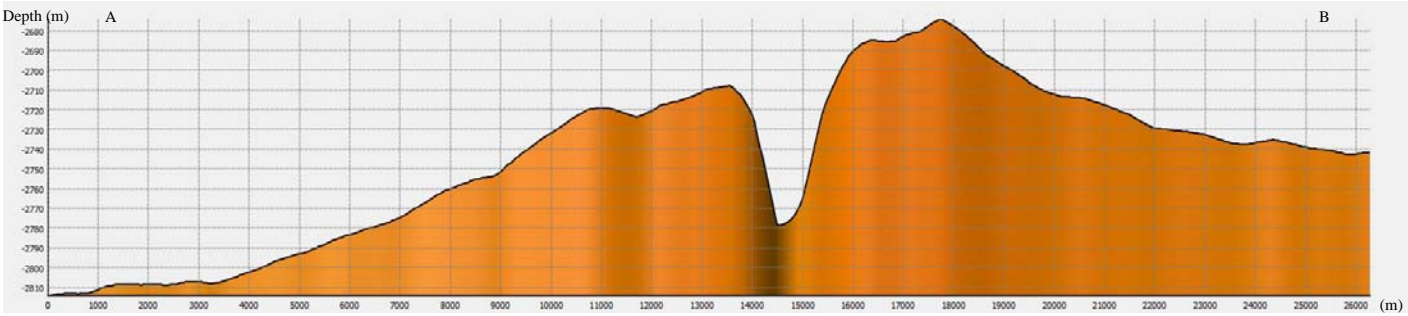
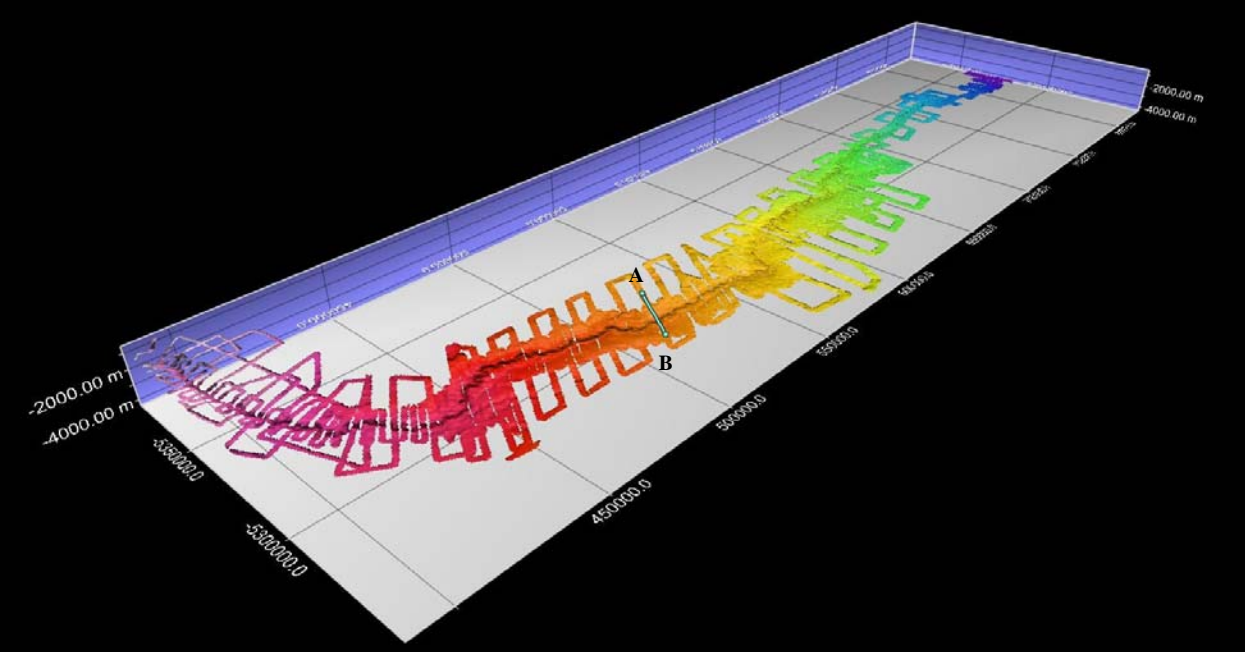
3D - Digital Terrain Model



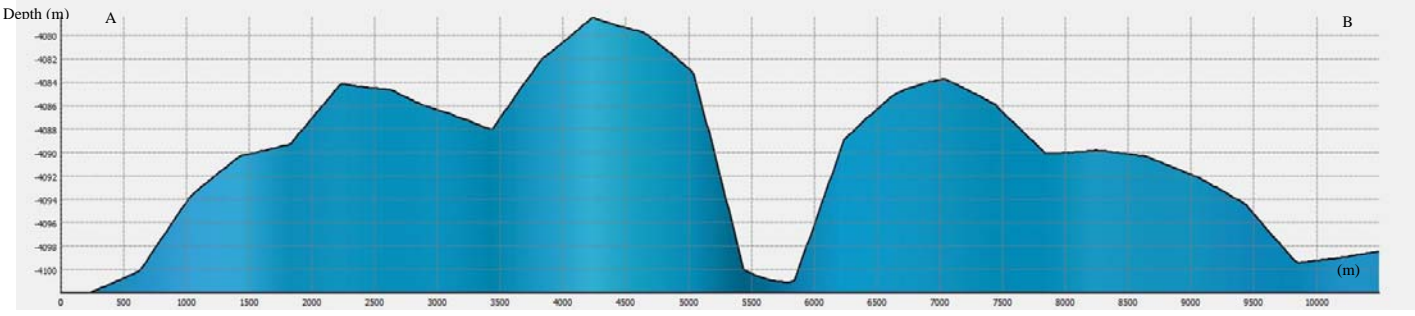
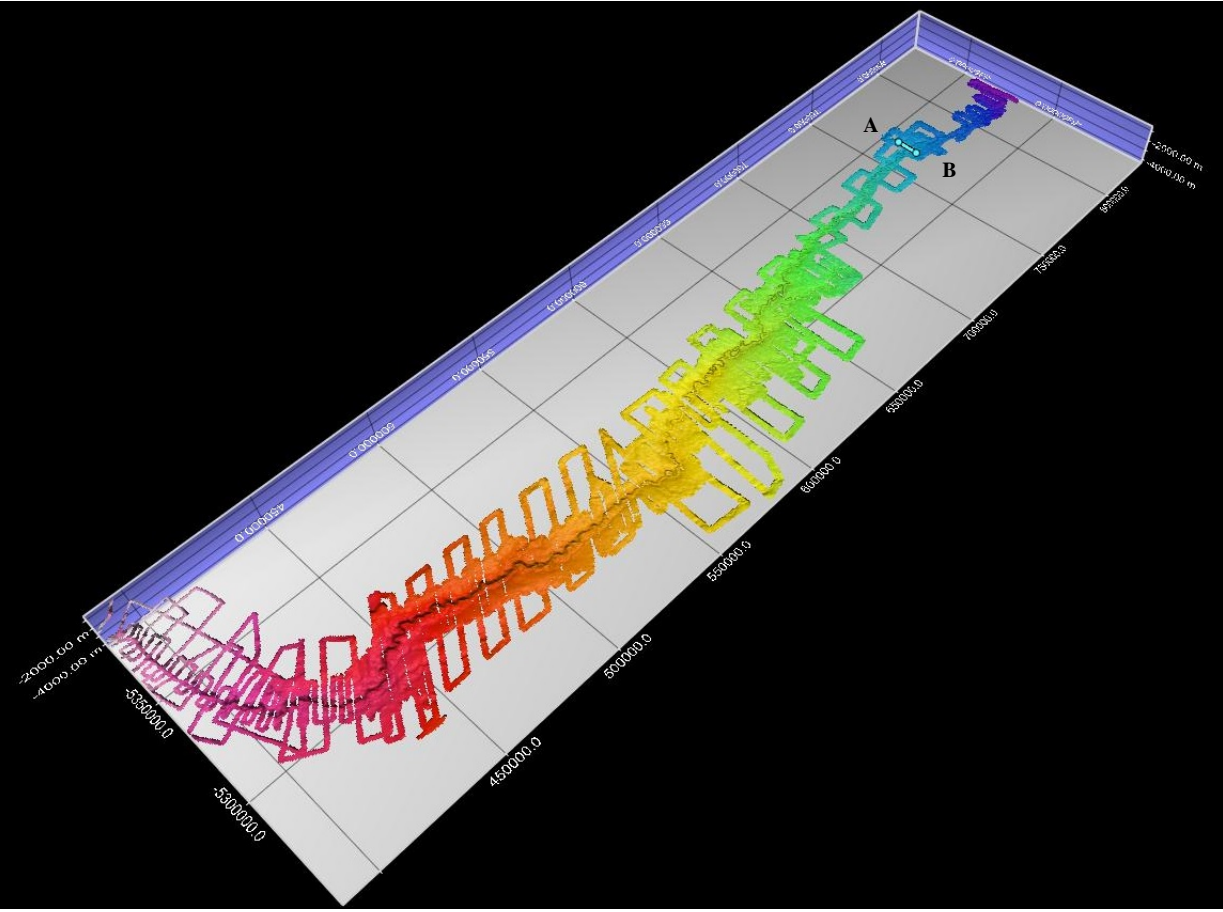
Bathymetric Grid Profile 1 (Application: Fledermaus 7.2 1a)



Bathymetric Grid Profile 2 (Application: Fledermaus 7.2 1a)



Bathymetric Grid Profile 3 (Application: Fledermaus 7.2 1a)



Proposer(s):	Name(s):	Directorate of Hydrography and Navigation
	Date:	September 2015
	E-mail:	sousafc@hotmail.com
	Organization and Address:	Directorate of Hydrography and Navigation Barão de Jaceguay Street – Ponta da Armação – Niterói – Rio de Janeiro – Brazil - ZIP code: 24.048-900
	Concurrer (name, e-mail, organization and address):	

Remarks: The figure 1 is a complementary information which was extracted from Jegou, I., 2008 (Date of Survey: 2003/2004. Survey Ship: N/O L'Atalante and N/O Le Surôit. Sounding equipment: EM 12D and EM 300). It was used to identify part of the Amazon channel path that was not covered by the supporting surveys.

The coordinates of the Amazon channel presented in this proposal does not represent exactly its path shown as a black line in the figure of the line delimitation. This shape file will be provided to the SCUFN in order to load it on-line Gazetteer