

BRU_S6_02018 Penetration: 150m Recovery: 1.00m

SEABED	Wps	Meters
0.00m	Very soft extremely low strength grey CLAY with rare shell	Very soft extremely low strength grey CLAY with rare shell
1.00m	Very soft extremely low strength dark grey CLAY with rare shell	Very soft extremely low strength dark grey CLAY with rare shell
	Very soft extremely low strength CLAY	Very soft extremely low strength CLAY

CARTOGRAPHIC SYMBOLS

	Post Survey Route with kilometre post and reverse kilometre post		Telecommunications cable position, in service, Out of Service/Planned (As found in magenta)
	Beach Mark/Alter Course		Pipeline position, in service, Out of Service/Planned (As found in magenta)
	Survey Route		Power cable position, in service, Out of Service/Planned (As found in magenta)
	Coastline (from Admiralty Charts)		Chart Matchline
			Territorial Sea / EEZ limit

BATHYMETRY

	Bathymetric contours in metres. Contour interval may be reduced to aid in clarity. All bathymetry reduced to Lowest Astronomical Tide (LAT)		Approximate limit of swath bathymetry coverage (shown only in areas of full swath)
	Downslope gradient in degrees (°) as measured over the shortest significant distance		

SEABED FEATURES AND SHALLOW GEOLOGY

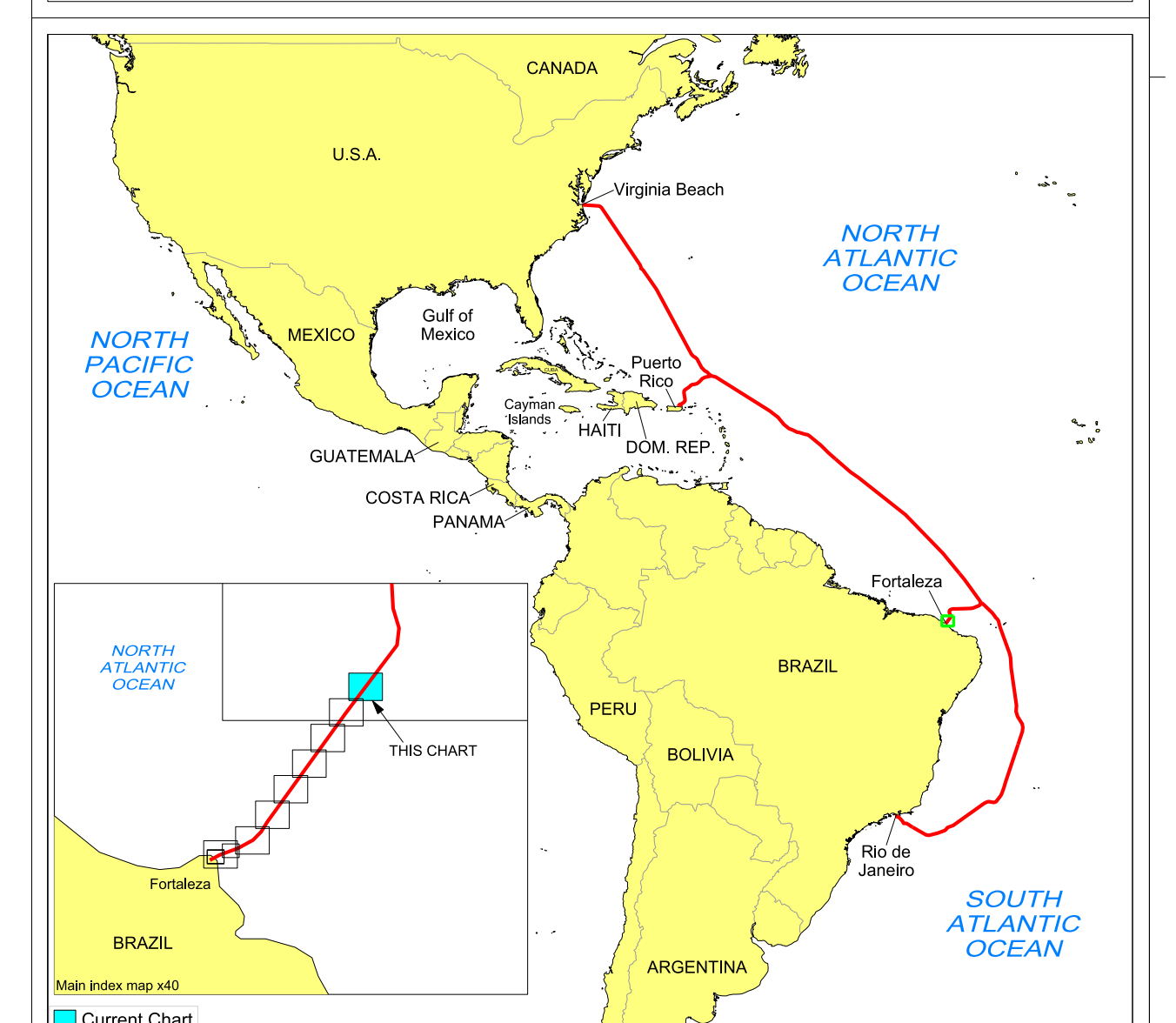
	Coral		Isolated sonar contact with reference number (length x width x height in metres where measurable; n/n = no measurable height)
	Gas seepage area with predominant sediment classification		Linear sonar contact, dashed where partially buried
	Boulder with predominant sediment classification		Unidentified magnetic anomaly with reference number and amplitude
	Fine sediment (predominantly CLAY/SILT)		Cable/Pipeline position, as determined by magnetometer with reference number and amplitude
	Coarse sediment (SAND and GRAVEL)		Seabed sample location with reference number: GC (Piston Core), GS (Grab Sample), DS (Diver Sample), DP (Diver Probing), SP (Beam Probing)
	Very coarse sediment (COBBLES and BOULDERS)		MeCPT (CP), Location with reference number
	Subcropping ROCK with predominant sediment classification (sediment thickness = target burial depth)		Small outcrop of rock with height in metres if discernible
	ROCK outcrop		Subsea DEPRESSION or POCCKMARK with diameter (d) and depth (D) in metres, where discernible
	HARDGROUND (Very dense/irregularly bedded sediment)		Sediment or feature boundary
			Inferred Sediment or Feature Boundary
			Approximate limit of side scan sonar coverage and survey swath
			Seabed scar (trawl or anchor)
			Charted or reported wreck
			Dumping ground database position
			Wall / Platform
			Offshore Concession Block
			Orientation of SANDWAVE crest (with wavelength and height in metres)
			Orientation of MEGARIPPLE crest (with wavelength and height in metres)
			Orientation of sediment ribbon
			Fault with depth below seafloor (fractures on down side)
			Isobath contours shown at 1m interval with labels every 1m
			Located wreck with reference no. (length x width x height in metres where measurable)
			Anchorage Area / Fishing Area (Admiralty chart position)
			Anchorage / Fishing Prohibited (Admiralty chart position)

CHART COMMENT:

GENERAL NOTES:
 SURVEY VESSEL: M.V. Ocean Endeavour
 Surface positioning system: Fuga Starlink HP 30655
 Bathymetry: Kongsberg EM102, Kongsberg EM120, Kongsberg S400 Comb

Descriptive Terms and Definitions:
 The criteria used for interpretation and descriptions are presented in the Survey Results

GEODETIC PARAMETERS:
 Projection: MERCATOR
 Longitude of Origin: 53°W
 Standard Parallel: 7°N
 Semi-Major Axis (a) (metres): 6378137.000
 Reciprocal Flattening (1/f): 298.257223563
 Scale Factor: 1
 Datum: WGS84
 False Easting: 3 000 000
 False Northing: 5 000 000



Survey Date: SEPTEMBER 2016

Scale: NATURAL SCALE 1 : 10,000 at 7°N

(At Mid-Latitude of Chart) TRUE SCALE 1:10000.14

Contractor: **Alcatel-Lucent**

Surveyor: **Gardline**

Project Name: **BRUSA CABLE ROUTE SURVEY**

Document Title: **SEGMENT 6 NORTH UP CHART CHART NO. 011 OF 017 (KP 63.014 - KP 73.495)**

01	30.09.2016	HH	SK	CB
Rev	Date	Prepared by	Checked by	Approved by

ROUTE BASED UPON: BRUSA S6.PSR08 File Name: BRUSA.S6.NU011

REVISION 1.1