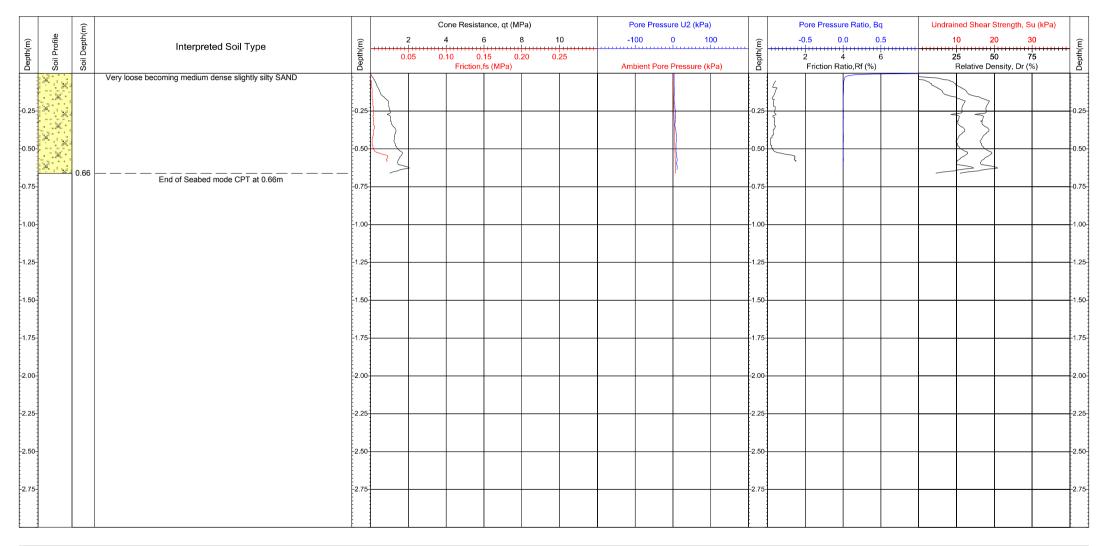




INSITU CPTU TESTING

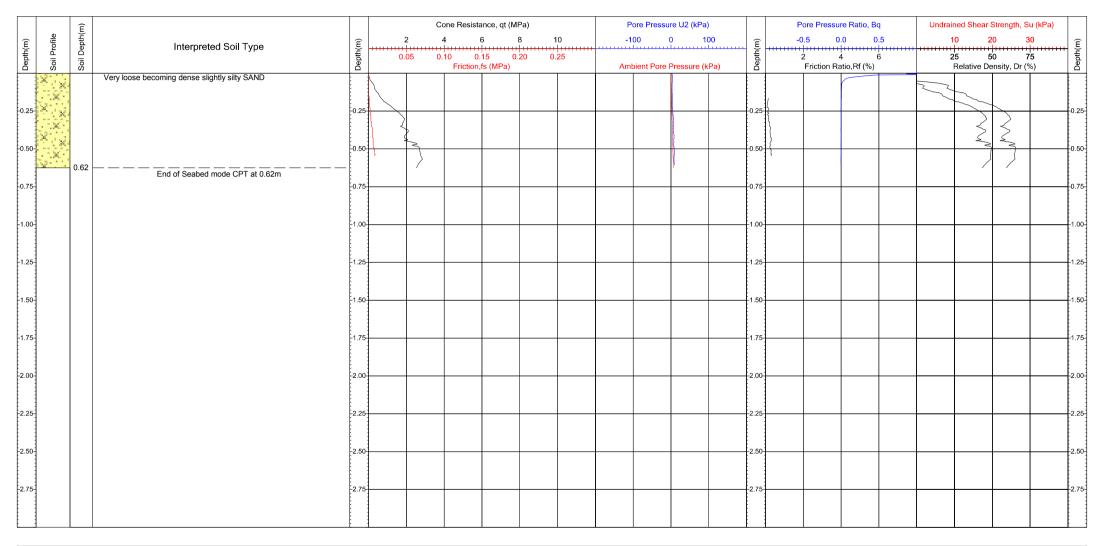


Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2422291.5	798504.8	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	CPT Number
	Contract	10817	Water Depth	23.3	(mLAT)	Assumed Soil Density: 18KN/m3 NKT1: 15.00 NKT2: 20.00	Preliminary	Draft	Final	
Test stopped due to encoder error. Retest required	Client Name	NEC	Date of Test	19/11/2016		NKT3: 12.50 NKT4: 16.50 K01: 0.50 K01: 2.00	riellillilary	Diait	Fillal	SACS_FTL_OE_CPT001
rest stopped due to encoder enor. Netest required	Vessel	Ocean Endeavour	Cone No. / α Factor	3086	0.83	*The predicted relative density. Dr.	JT			0A00_11E_0E_011001
	Method	GDCP0001 and Seabed mode CPT	Base Inclination	6.0°		results should be applied with caution and considered as equivalent values of Dr	19/11/2016			





INSITU CPTU TESTING

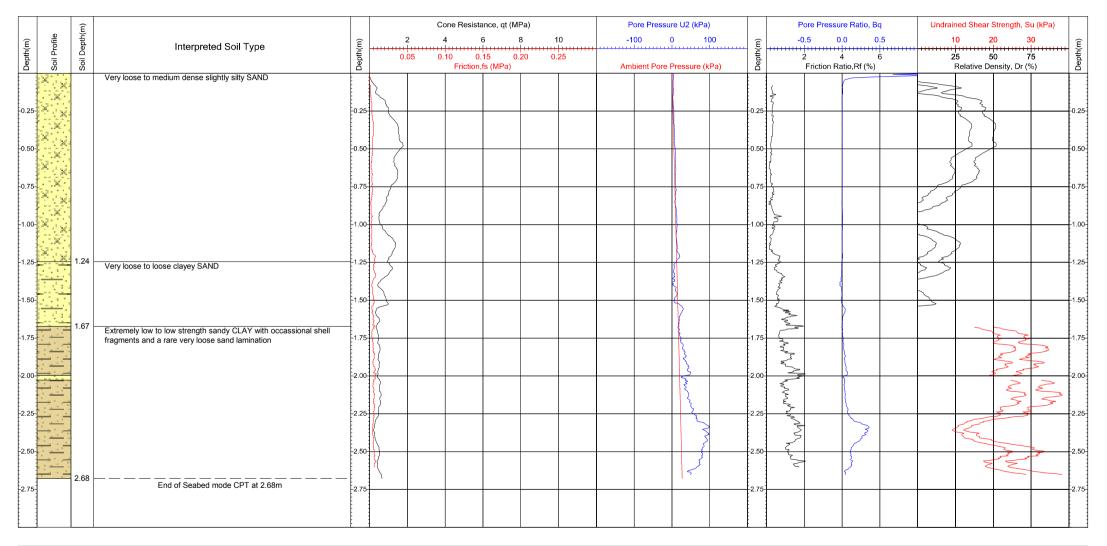


Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2422291.5	798504.8	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	S	CPT Number
	Contract	10817	Water Depth	23.3	(mLAT)	Assumed Soil Density: 18KN/m3 NKT1: 15.00 NKT2: 20.00	Preliminary	Draft	Final	
Test manually stopped due to	Client Name	NEC	Date of Test	19/11/2016		NKT3: 12.50 NKT4: 16.50 K01: 0.50 K01: 2.00	riellillilary	Diali		SACS_FTL_OE_CPT001A
software depth information error	Vessel	Ocean Endeavour	Cone No. / α Factor	3086	0.83	*The predicted relative density. Dr.	JT			3A03_1 1E_0E_01 1001A
	Method	GDCP0001 and Seabed mode CPT	Base Inclination	7.0°		results should be applied with caution and considered as equivalent values of Dr	19/11/2016			





INSITU CPTU TESTING



Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2422291.5	798504.8	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	S	CPT Number
	Contract	10817	Water Depth	23.3	(IIILAT)	Assumed Soil Density: 18KN/m3 NKT1: 15.00 NKT2: 20.00	Preliminary	Draft	Final	
Test stopped due to rod	Client Name	NEC	Date of Test	19/11/2016		NKT3: 12.50 NKT4: 16.50 K01: 0.50 K01: 2.00	Premimary	Dialit		SACS_FTL_OE_CPT001B
bend. Minimum penetration achieved	Vessel	Ocean Endeavour	Cone No. / α Factor	3086	0.83	*The predicted relative density. Dr.	JT			3AGG_1 12_G2_G1 1001B
	Method	GDCP0001 and Seabed mode CPT	Base Inclination	7.0°		results should be applied with caution and considered as equivalent values of Dr	20/11/2016			





(20)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) (E) (5 10 15 20 25 30 35 d)
	X X X		Pale yellow silty fine to coarse SAND with abundant shell fragments. Organic seabed flora between 0.00m to 0.03m	-0.25-			0.25
0.		0.38	End of Seabed mode sampler at 0.38m	-0.50-			-0.50-
-0. ⁻	75-			-0.75 -1.00			-0.75 -1.00
-1.:	25-			-1.25			-1.25-
1.				-1.50-			-1.50-
-1. -2.				-1.75 -2.00			-1.75- -2.00-
-2.:	25-			-2.25-			2.25
-2.: -2.:				-2.50 -2.75			2.50
-2.	' D =			2.75			2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2425009.0	802698.9	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	27.1	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Retest required	Client Name NEC Da		Date of Test	19/11/2016			riellillilary	Diali		SACS FTL OE PC001
Millimum recovery not achieved. Retest required	Vessel	Ocean Endeavour	Penetration (m)	0.38			JT			SACS_FIL_OE_FC001
	Method	Piston corer	Recovery (m)	0.38			19/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) 5 10 15 20 25 30 35
-0.25	XX		Pale yellow very silty fine to coarse SAND with abundant shell fragments. Thin shell band at 0.41m. Pale red coral fragments between 0.00m to 0.05m	-0.25-			0.25
-0.50	X X	0.52		0.50-			-0.50-
-0.75				-0.75			0.75
-1.00				-1.00-			1.00
-1.25				-1.25			1.25
-1.50 -1.75				-1.50 -1.75			-1.50
-2.00				-2.00			2.00
-2.25				-2.25			2.25
-2.50				-2.50-			2.50
-2.75				-2.75			-2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2425006.8	802700.9	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	3	Core Location
	Contract	10817	Water Depth	26.9	(mLAT)		Preliminary	Draft	Final	
Retested location. Minimum recovery not achieved.	Client Name NEC Da		Date of Test	19/11/2016			riellillilary	Diali	rillai	SACS_FTL_OE_PC001A
Relested location. William recovery not achieved.	Vessel	Ocean Endeavour	Penetration (m)	0.52			JT			SACS_FIL_OE_FC001A
	Method	Piston corer	Recovery (m)	0.52			19/11/2016			





	Depm(m) Soil Profile	Soil Denth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	5	ined Shear S	Su (kPa)	35	Depth(m)
	×	si.	Pale yellow slightly silty SAND with occasional shell fragments. Sand is medium to coarse								
-0.	25-	30 s		0.25							-0.25-
-0.	50-	×		0.50							-0.50-
-0.	75	×		0.75							-0.75-
-1.	00-	90 e	į.	1.00							1.00
-1.	25	1.1	End of Seabed mode sampler at 1.10m	1.25-							-1.25-
-1.	50-		1	1.50-							-1.50-
-1.	75-		1	1.75-							-1.75-
-2.	00-			2.00-							-2.00-
-2.	25-			2.25							-2.25-
-2.	50-		2	2.50-							-2.50-
-2.	75-		2	2.75							-2.75-

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2432077.5	806043.4	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	26.4	(mLAT)		Preliminary	Draft	Final	
Minimum recovery achieved	Client Name	NEC	Date of Test	19/11/2016			riellillilary	Diali		SACS_FTL_OE_PC002
Millimum recovery achieved	Vessel	Ocean Endeavour	Penetration (m)	1.10			JT			SACS_FIL_OE_FC002
	Method	Piston corer	Recovery (m)	1.10			19/11/2016			





Denth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	5		hear Strenç 20		35	Depth(m)
		-	Pale yellow fine to coarse SAND with frequent shell fragments									
-0.2	5-			-0.25								-0.25
-0.5	0-			-0.50-								-0.50
-0.7	5-			-0.75								-0.75
-1.0	0	1.12		-1.00-								-1.00-
-1.2	5-		End of Seabed mode sampler at 1.12m	-1.25								-1.25
-1.5	0-			-1.50-								-1.50-
-1.7	5-			-1.75-								-1.75-
-2.0	0-			-2.00-								-2.00
-2.2	5-			-2.25								-2.25-
-2.5	0-			-2.50-								-2.50-
-2.7	5-1			2.75								-2.75-

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2438731.7	803846.0	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	23.8	(mLAT)		Preliminary	Draft	Final	
Minimum recovery achieved	Client Name	NEC	Date of Test	19/11/2016			riellillilary	Diali		SACS_FTL_OE_PC003
Millimum recovery achieved	Vessel	Ocean Endeavour	Penetration (m)	1.12			JT			SACS_FIL_OE_FC003
	Method	Piston corer	Recovery (m)	1.12			19/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	5	Und	drained SI	near Streng	th, Su (kPa	30	35	Depth(m)
-0.25			Pale yellow fine to coarse SAND with rare gravel and abundant shell fragments. Gravel is fine and sub-angular	-0.25-										-0.25
-0.50				-0.50-										-0.50-
-0.75		0.80	End of Seabed mode sampler at 0.80m	-0.75-										-0.75-
-1.00				-1.00-										-1.00-
-1.25				-1.25-										-1.25
-1.50				-1.50-										-1.50-
-1.75				-1.75-										-1.75
-2.00				-2.00-										2.00
-2.25				-2.25-										-2.25-
-2.50				-2.50-										-2.50
-2.75				-2.75										-2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2451372.2	803987.8	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	31.7	(mLAT)		Preliminary	Draft	Final	
Minimum recovery achieved	Client Name	NEC	Date of Test	19/11/2016			riellillilary	Diali		SACS_FTL_OE_PC004
Minimum recovery achieved	Vessel	Ocean Endeavour	Penetration (m)	0.8			JT			SACS_FIL_OE_FC004
	Method	Piston corer	Recovery (m)	0.80			19/11/2016			





Denth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)		ater Conter		Density (Mg/m3)						Shear Stren				Depth(m)
٥	So		Pale yellow fine to coarse SAND with occasional gravel and abundant shell fragments. Gravel is fine and rounded. Organic material and bioturbated sediment from 0.15m	_ Pe	25	50	 5		1	2	5	10 	15 	20	25 	30	35	De
0.2	5-	0.20	End of Seabed mode sampler at 0.20m	-0.25-														-0.25-
-0.5	0-			-0.50-														-0.50-
-0.7	5-			-0.75-														-0.75
-1.0	0-			-1.00-														-1.00-
-1.2	5-			-1.25-														-1.25-
-1.5	0			-1.50-														-1.50-
-1.7	5-			-1.75-														-1.75
-2.0	0			-2.00-														-2.00-
-2.2	5-			-2.25-														-2.25
-2.5	0-			-2.50-														-2.50-
-2.7	5-			-2.75-														-2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2460402.0	799411.0	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	35.4	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Petest required	Client Name	NEC	Date of Test	19/11/2016			Freiiiiiiary	Diait		SACS FTL OE PC005
Minimum recovery not achieved. Retest required	Vessel	Ocean Endeavour	Penetration (m)	0.20			JT			SACS_FIL_OE_FC005
	Method	Piston corer	Recovery (m)	0.20			19/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) 5 10 15 20 25 30 35	Depm(m)
-0.2			Pale yellow fine to coarse SAND with occasional gravel and abundant shell fragments. Gravel is fine and angular	-0.25-			0.21	25-
-0.50				-0.50-			-0.50	50-
-0.78 -1.00		0.97	End of Seabed mode sampler at 0.97m	-0.75 -1.00			0.79	
-1.2				-1.25			-1.2	25
-1.50 -1.7				-1.50 -1.75			-1.50	
-2.00				-2.00			2.00	
-2.2				-2.25			2.29	25
-2.50 -2.7				-2.50 -2.75			2.50	

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2460399.4	799417.2	CRS: WGS 84 Mercator (7S 15W)	(QC Status	3	Core Location
	Contract	10817	Water Depth	35.3	(mLAT)		Preliminary	Draft	Final	
Target receives achieved	Client Name	NEC	Date of Test	19/11/2016			rieiiiiiiaiy	Diali	Fillal	SACS_FTL_OE_PC005A
Target recovery achieved	Vessel	Ocean Endeavour	Penetration (m)	0.97			JT			SACS_FIL_OE_FC00SA
	Method	Piston corer	Recovery (m)	0.97			19/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)		Content (%			nsity (M			4.0		d Shear Str			0.5	Depth(m)
De	So	So	Pale yellow fine to coarse SAND with abundant gravel and shell fragments. Gravel is fine and sub angular. Organic seabed flora from 0.00m to 0.05m	De	25 	50	75 	1		2	5	10 	15 	20	25 	30	35	
-0.2		0.38	End of Seabed mode sampler at 0.38m	-0.25														-0.25-
-0.50)-			-0.50-														-0.50
-0.7	5			-0.75														-0.75
-1.00	,			-1.00-														-1.00-
-1.2	5-			-1.25														-1.25-
-1.50)-			-1.50-														-1.50-
-1.7	5-			-1.75-														-1.75-
-2.00	,			-2.00														-2.00-
-2.2	<u> </u>			-2.25														-2.25-
-2.50)			-2.50														-2.50-
-2.7				-2.75														-2.75-

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2468968.0	794867.0	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	38.0	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Petest required	Client Name	NEC	Date of Test	19/11/2016			Freiiiiiiary	Diait		SACS FTL OE PC006
Minimum recovery not achieved. Retest required	Vessel	Ocean Endeavour	Penetration (m)	0.38			JT			SACS_FIL_OE_FC000
	Method	Piston corer	Recovery (m)	0.38			19/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) 5 10 15 20 25 30 35	
		0.12	Pale yellow fine to coarse SAND Pale yellow fine to coarse SAND with abundant shell fragments					
-0.2		3		-0.25-			0.25	5-
0.50)	-		0.50			0.50	0-
		0.70						
-0.7	7		End of Seabed mode sampler at 0.70m	-0.75			0.75	5-
-1.00	,			1.00			-1.00	0-
-1.2	5			-1.25			1.25	5
-1.50)			-1.50-			-1.50-	0-
-1.7				-1.75-			-1.75	5
-2.00	-			2.00			2.00	0-
-2.2	5			-2.25-			2.25	5-
-2.50	1			-2.50-			2.50	7
-2.7	;			2.75			2.75	5-
	1			:				1

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2468969.2	794864.6	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	3	Core Location
	Contract	10817	Water Depth	37.7	(mLAT)		Preliminary	Draft	Final	
Target receivery achieved	Client Name	NEC	Date of Test	19/11/2016			Freiiiiiiary	Diali	rillai	SACS_FTL_OE_PC006A
Target recovery achieved	Vessel	Ocean Endeavour	Penetration (m)	0.70			JT			SACS_FIL_OE_FC000A
	Method	Piston corer	Recovery (m)	0.70			19/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	W 25	Vater Cont	 75	Density	ν (Mg/m3) 2	5	Ui	ndrained Sl	near Streng 20	th, Su (kPa <mark>25</mark>	30	35	Depth(m)
			Pale yellow fine to coarse SAND with frequent gravel and shell fragments. Gravel is fine sub-rounded				 										
-0.25		0.22	Pale yellow gravelly fine to coarse SAND with abundant shell fragments. Gravel is fine to coarse and sub-angular. Red coral 0.07m in length from 0.45m	-0.25-													-0.25-
-0.50				-0.50-													0.50
-0.75				-0.75-													-0.75-
-1.00		0.96	End of Seabed mode sampler at 0.96m	-1.00-													-1.00-
-1.25				-1.25-													-1.25-
-1.50				-1.50-													-1.50-
-1.75				-1.75-													-1.75-
-2.00				-2.00-													2.00
-2.25				-2.25-													-2.25-
-2.50				-2.50-													-2.50-
-2.75				-2.75-													-2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2477020.3	789592.2	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	3	Core Location
	Contract	10817	Water Depth	46.4	(mLAT)		Preliminary	Draft	Final	
	Client Name	NEC	Date of Test	19/11/2016			rieiiiiiiaiy	Diali		SACS_FTL_OE_PC007
	Vessel	Ocean Endeavour	Penetration (m)	0.96						SACS_FIL_OE_FC007
	Method	Piston corer	Recovery (m)	0.96			PB 19/11/2016			





Denth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) 5 10 15 20 25 30 35 9
-0.2			Pale yellow fine to coarse SAND with abundant gravel and shell fragments. Gravel is fine to medium and sub-angular	-0.25-			-0.25
-0.5		0.49	End of Seabed mode sampler at 0.49m	0.50			0.50
-0.7 -1.0				-0.75 -1.00			-1.00
-1.2	5-			-1.25-			-1.25
-1.5 -1.7				-1.50 -1.75			-1.50- -1.75-
-2.0	0-			-2.00			2.00
-2.2 -2.5				-2.25 -2.50			2.25
-2.7	5-			-2.75-			-2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2484133.9	782818.2	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	43.7	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Retest required	Client Name	NEC	Date of Test	18/11/2016			riellillilary	Diali		SACS FTL OE PC008
William recovery not achieved. Retest required	Vessel	Ocean Endeavour	Penetration (m)	0.49			РВ			SACS_FIL_OE_FC006
	Method	Piston corer	Recovery (m)	0.49			18/11/2016			





Dooth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	5 10	Undrained S	Shear Streng	30	35	Depth(m)
			Pale yellow fine to coarse SAND with abundant gravel and shell fragments. Gravel is fine to medium and sub-angular. Red coral 0.05m in length from 0.65m									
-0.2				-0.25								-0.25-
-0.5	0-			-0.50								-0.50
0.7	5			-0.75								0.75
-1.0	0	1.06		1.00								-1.00-
		1.00	End of Seabed mode sampler at 1.06m									
-1.2	!5-			-1.25								-1.25-
-1.5	60-			-1.50-								-1.50-
-1.7	5-			-1.75								-1.75
-2.0	0			-2.00								-2.00-
-2.2	5-			-2.25								-2.25
-2.5	50			-2.50-								-2.50
-2.7	75-			-2.75								-2.75-

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2484126.5	782816.8	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	43.8	(mLAT)		Preliminary	Draft	Final	
	Client Name	NEC	Date of Test	18/11/2016			Freiiiiiiaiy	Diali	Fillal	SACS_FTL_OE_PC008A
	Vessel	Ocean Endeavour	Penetration (m)	1.06						SACS_FIE_DE_FC000A
	Method	Piston corer	Recovery (m)	1.06			18/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) 5 10 15 20 25 30 35 9
		0.05	Light grey stained pale red fine to coarse GRAVEL. Gravel is angular and moderately weathered End of Seabed mode sampler at 0.05m				
-0.25-				-0.25-			0.25
-0.50-				-0.50-			-0.50
-0.75-				-0.75-			0.75-
-1.00-				-1.00-			1.00-
-1.25-				-1.25-			1.25
-1.50-				-1.50-			1.50-
-1.75-				-1.75-			1.75-
-2.00-				-2.00-			2.00
-2.25-				-2.25-			2.25
-2.50-				-2.50-			2.50
-2.75-				-2.75-			2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2493781.9	781624.8	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	68.3	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Retest required	Client Name	NEC	Date of Test	20/11/2016			riellillilary	Diali		SACS FTL OE PC009
Millimum recovery not achieved. Retest required	Vessel	Ocean Endeavour	Penetration (m)	0.05			JT			SACS_FIL_OE_FC009
	Method	Piston corer	Recovery (m)	0.05			20/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water	Content (%)	Densit	y (Mg/m3)		ι	Jndrained S	Shear Strenç	gth, Su (kPa	1)		Depth(m)
Dep		Soil	000/5	Dep	 25	50	75	 1	2	 5	10	15	20	25	30	35	Dep
		0.05	Light grey stained pale red and pale green medium to coarse GRAVEL. Gravel is sub-angular to sub-rounded and moderately weathered	1													
0.25			End of Seabed mode sampler at 0.05m	-0.25-													-0.25-
				5.20													
-0.50-				-0.50-													-0.50-
-0.50-				-0.50													0.50-
-0.75				-0.75													-0.75
10.75				-0.75													-0.75
-1.00-				-1.00-													-1.00-
-1.25				-1.25													-1.25
-1.50-				-1.50-													-1.50-
-1.75				-1.75													-1.75
-2.00				-2.00													-2.00-
-2.25				-2.25													-2.25-
-2.50				-2.50-													-2.50-
-2.75				-2.75													-2.75-

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2493791.9	781625.4	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	68.2	(mLAT)		Preliminary	Draft	Final	
	Client Name	NEC	Date of Test	20/11/2016			Freiiiiiiaiy	Diali	Fillal	SACS_FTL_OE_PC009A
	Vessel	Ocean Endeavour	Penetration (m)	0.05			JT			SACS_FIE_CE_FC009A
	Method	Piston corer	Recovery (m)	0.05			20/11/2016			



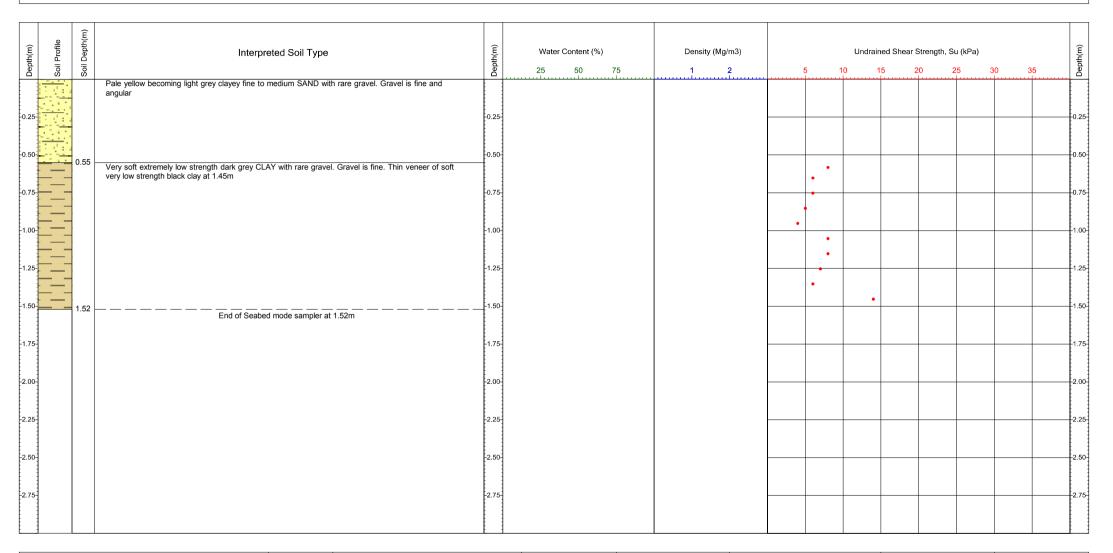


Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) (E) (5 10 15 20 25 30 35 d)
-0.25		0.06	Light grey fine to medium SAND Grey fine to coarse SAND with occasional gravel and frequent shell fragments. Gravel is fine to medium and sub-angular	-0.25-			0.25
-0.50				-0.50-			0.50
-0.75		0.92		-0.75-			0.76
-1.00	1 1	0.02	End of Seabed mode sampler at 0.92m	-1.00-			1.00
-1.25				-1.25			1.25
-1.50				-1.50-			-1.50-
-1.75 -2.00				-1.75 -2.00			1.75
-2.2				-2.25			2.25
-2.50				-2.50-			2.50
-2.75				-2.75			2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2503404.5	784566.3	CRS: WGS 84 Mercator (7S 15W)		QC Statu	s	Core Location
	Contract	10817	Water Depth	1130.0	(mLAT)		Preliminary	Draft	Final	
	Client Name	NEC	Date of Test	20/11/2016			Freiminary	Diait	Fillal	SACS_FTL_OE_PC010A
	Vessel	Ocean Endeavour	Penetration (m)	0.92			РВ			SACS_FIL_OE_FC010A
	Method	Piston corer	Recovery (m)	0.92			20/11/2016			



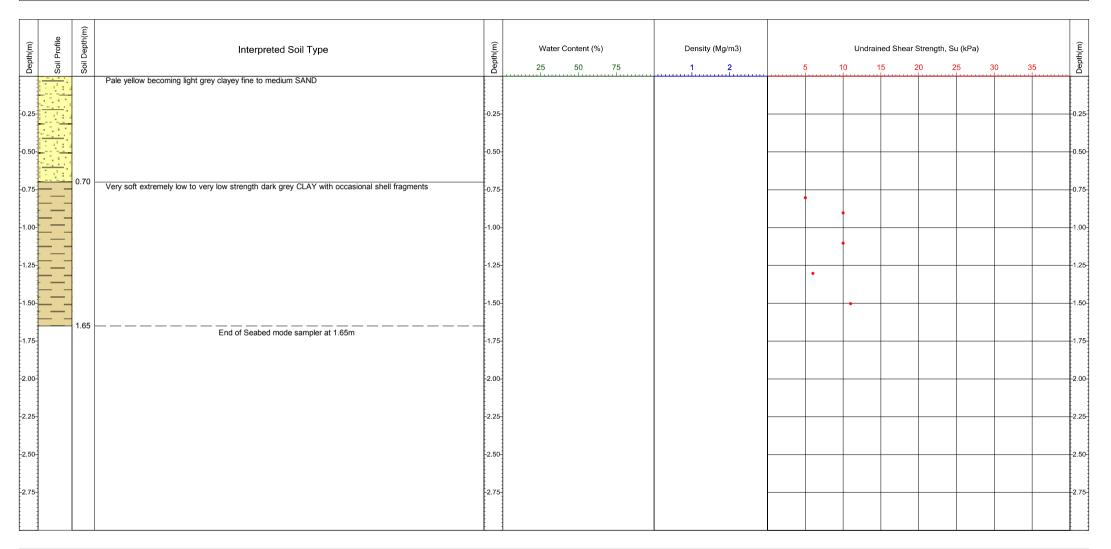




Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2512317.3	786092.4	CRS: WGS 84 Mercator (7S 15W)		QC Statu	s	Core Location
	Contract	10817	Water Depth	1549.7	(mLAT)		Preliminary	Draft	Final	
Minimum sample recovery achieved	Client Name	NEC	Date of Test	21/11/2016			Freiiiiiiaiy	Diait		SACS_FTL_OE_PC011
willimitum sample recovery achieved	Vessel	Ocean Endeavour	Penetration (m)	1.52			JT			SACS_FIL_OE_FC011
	Method	Piston corer	Recovery (m)	1.52		21/11/2016				



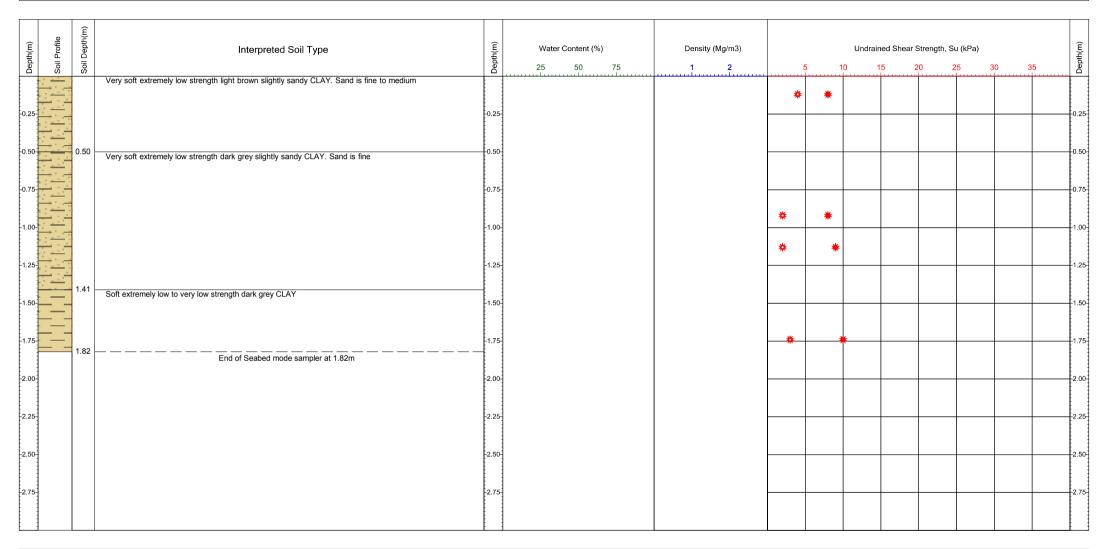




Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2507719.4	785302.2	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	3	Core Location
	Contract	10817	Water Depth	1031.7	(mLAT)		Preliminary	Draft	Final	
	Client Name	NEC	Date of Test	20/11/2016			Freiiiiiiary	Diali		SACS_FTL_OE_PC012
	Vessel	Ocean Endeavour	Penetration (m)	1.65			РВ			SACS_FIL_OE_FC012
	Method	Piston corer	Recovery (m)	1.65			20/11/2016			



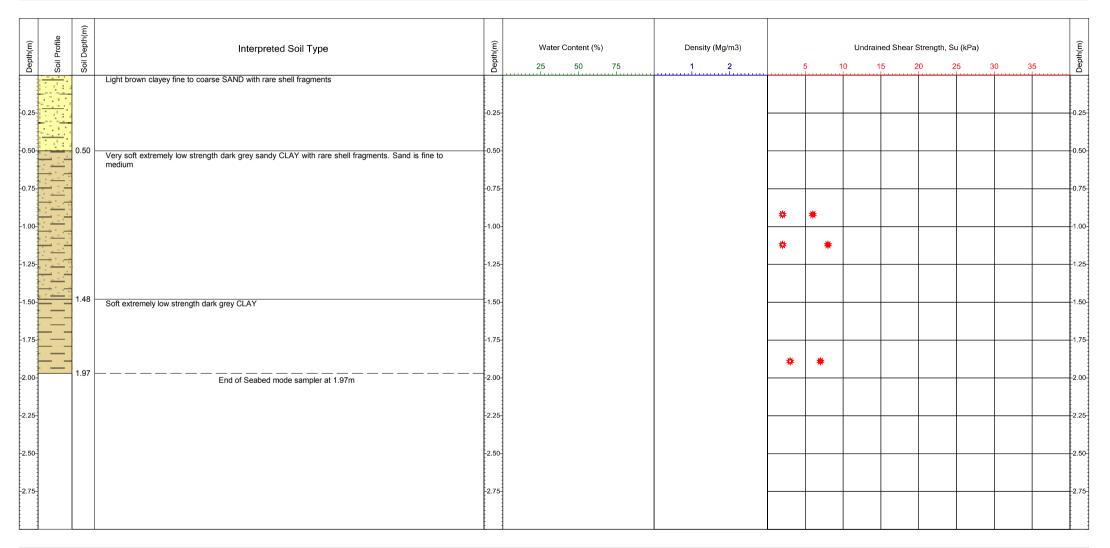




Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2504385.2	784735.1	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	828.3	(mLAT)		Preliminary	Draft	Final	
Core sample not split, description	Client Name	NEC	Date of Test 24/11/2016		riellillilary	Diali		SACS FTL OE PC013		
obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	1.82			JT			SACS_FIL_OE_FC013
	Method	Piston corer	Recovery (m)	1.82			24/11/2016			







Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2499941.4	783771.2	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	3	Core Location
	Contract	10817	Water Depth	570.8	(mLAT)		Preliminary	Draft	Final	
Core sample not split. Descriptions	Client Name	NEC	Date of Test	24/11/2016			Freiiiiiiary	Diali		SACS_FTL_OE_PC014
obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	1.97			JT			SACS_FIL_OE_FC014
	Method	Piston corer	Recovery (m)	1.97			24/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)		Water	Content (%)	Dens	sity (Mg/m3)		ı	Jndrained S	hear Strenç	gth, Su (kPa)	ı		Depth(m)
Depl	Soil	Soil		Depi		25	50	75	1	2	 5	10	15	20	25	30	35	Depl
			Light brown slightly clayey fine to medium SAND															
-0.25		0.14	End of Seabed mode sampler at 0.14m	0.25	_													0.25
-0.28				-0.25	7													-0.25-
-0.50				-0.50	1													0.50
-0.75				-0.75	5-													0.75
-1.00				1.00)													-1.00-
-1.25	1			-1.25	5-													-1.25
-1.50				-1.50)													-1.50-
-1.75				1.75	5													-1.75
2.00	1			2.00)													2.00
-2.25	1			2.25	5													-2.25-
-2.50	1			2.50	4													-2.50-
-2.75	1			2.75	5													-2.75-
-	1			F	1				1									1 1

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2496890.5	782719.3	CRS: WGS 84 Mercator (7S 15W)		QC Statu	s	Core Location
	Contract	10817	Water Depth	413.2	(mLAT)		Droliminon	Draft	Final	
Core sample not split open.	Client Name	NEC	Date of Test	24/11/2016			Freiiiiiiaiy	Dian		SACS_FTL_OE_PC015C
Description obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.14			РВ			SACS_FIL_OE_FC015C
	Method	Piston corer	Recovery (m)	0.14			24/11/2016			





Soil Depth(m)		‡	Wa	ater Conten	t (%)			Density (I	Mg/m3)			U	ndrained S	hear Streng	th, Su (kPa)		Depth(m)
	Dala vallau agady fina ta madium CDAVEL with abundant aball fragmants. Cond is fina to agaze	Depth(m)	25	50	75			1	2		5	10	15	20	25	30	35	Dep
0.10	Pale yellow sandy fine to medium GRAVEL with abundant shell fragments. Sand is fine to coarse. Gravel is sub-angular to sub-rounded and moderately weathered																	
	End of Seabed mode sampler at 0.10m	0.25																-0.25
		0.50																-0.50-
		0.75																-0.75
		0.73																0.73
		1.00																1.00-
		1.00																[1.00]
		4.05																4.05
		-1.25																-1.25
		-1.50-																-1.50-
		-1.75-																1.75
		-2.00-																-2.00-
		-2.25-																-2.25-
		2.50																-2.50-
		2.75																-2.75
			-0.25 -0.50 -0.75 -1.00 -1.25 -1.50 -1.75 -2.00 -2.25	-0.25 -0.50 -0.75 -1.00 -1.75 -1.75 -2.00 -2.25 -2.50 -2.75	0.25 0.50 0.75 1.00 1.25 1.50 2.00 2.25	0.25 -0.50 -0.75 -1.00 -1.25 -1.50 -1.75 -1.50 -1.25 -1.50 -1.50 -1.75 -1.75 -1.75 -1.75 -1.75	0.50- 0.75- 1.00- 1.25- 1.25- 1.75- 2.00- 2.25- 2.50-	0.50 0.76 1.00 1.25 1.25 1.50 2.00 2.25	0.50- 0.75- 1.00- 1.25- 1.50- 1.75- 2.00- 2.25- 2.50-	-0.50- -0.75- -1.00- -1.25- -1.50- -1.73- -2.00- -2.25-	0.50 0.75 1.00 -1.23 -1.56 -1.75 -2.00 -2.25	0.50 -0.76 -1.00 -1.24 -1.25 -1.50 -1.75 -1.75 -1.75 -1.75 -1.75	0.56 0.76 1.00 1.25 1.50 1.76 2.00 2.25	0.25 0.75 1.00 1.28 1.50 1.75 2.00 2.25	0.50 0.75 1.00 1.25 1.50 1.78 2.00 2.28	0.50- 0.50- 0.75- 1.00- 1.20- 1.20- 1.25- 2.25- 2.50-	0.75 -0.75 -1.00 -1.25 -1.50 -1.76 -2.00 -2.26	0.75 -1.00 -1.25 -1.75 -2.00 -2.26 -2.50

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2494919.3	782023.2	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	74.5	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Retest required	Client Name	NEC	Date of Test	24/11/2016			riellillilary	Diali		SACS FTL OE PC016
William recovery not achieved. Retest required	Vessel	Ocean Endeavour	Penetration (m)	0.10			РВ			SACS_FIL_OE_FC010
	Method	Piston corer	Recovery (m)	0.10			24/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Co	ontent (%)			Density	(Mg/m3)			Undra	ained Sh	ear Streng	th, Su (kPa)	ı		Depth(m)
Depl	Soil	Soil	Debugger of the board of the CRAVEL who had a belief to see the Condition of the Condition	Depl	 25	50	75	ļ	1		5	1	0	15	20	25	30	35	Depl
		0.10	Pale yellow sandy fine to medium GRAVEL with abundant shell fragments. Sand is fine to coarse. Gravel is sub-angular to sub-rounded and moderately weathered																
-0.25			End of Seabed mode sampler at 0.10m	-0.25															-0.25-
0.50				-0.50															-0.50-
0.00				0.00															0.00
-0.75				-0.75															-0.75
0.73				0.73															0.73
1.00				1.00															-1.00-
[1.00				F1.00															[1.00]
-1.25				-1.25															1.05
-1.25				1.25															-1.25
-1.50				-1.50															-1.50-
-1.75				-1.75															-1.75
-2.00				-2.00															2.00-
-2.25				-2.25															-2.25-
-2.50				2.50															2.50
-2.75				-2.75															-2.75-

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2493649.9	781663.3	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	64.9	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Retest required	Client Name	NEC	Date of Test	24/11/2016			Freiminary	Diali		SACS_FTL_OE_PC017
William recovery not achieved. Netest required	Vessel	Ocean Endeavour	Penetration (m)	0.10			РВ			3AC3_11L_OL_FC011
	Method	Piston corer	Recovery (m)	0.10			24/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)		Water	Content 50	7 5	Den:	sity (Mg	g/m3) 2	5	10	Undrained	Shear Str	Su (kPa) 25	30	35	Depth(m)
-0.25		0.10	Pale yellow fine SAND Light grey sandy fine to medium GRAVEL with abundant shell fragments. Sand is fine to coarse. Gravel is sub-angular to sub-rounded and moderately weathered	-0.25															-0.25-
0.50		0.45	End of Seabed mode sampler at 0.45m	0.50															-0.50-
-0.75				0.75															-0.75-
-1.00				1.00-															-1.00-
-1.25				-1.25															-1.25
-1.50				-1.50															-1.50-
-1.75				-1.75															-1.75
-2.00				2.00	1														-2.00
-2.2				-2.25															-2.25
-2.50				-2.50															-2.50-
-2.75				-2.75-															-2.75-

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2493648.0	781663.6	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	64.8	(mLAT)		Preliminary	Draft	Final	
Core sample not split open.	Client Name	NEC	Date of Test	24/11/2016			riellillilary	Diali	Fillal	SACS_FTL_OE_PC017A
Description obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.45			РВ			SACS_FIL_OE_FC01/A
	Method	Piston corer	Recovery (m)	0.45			24/11/2016			



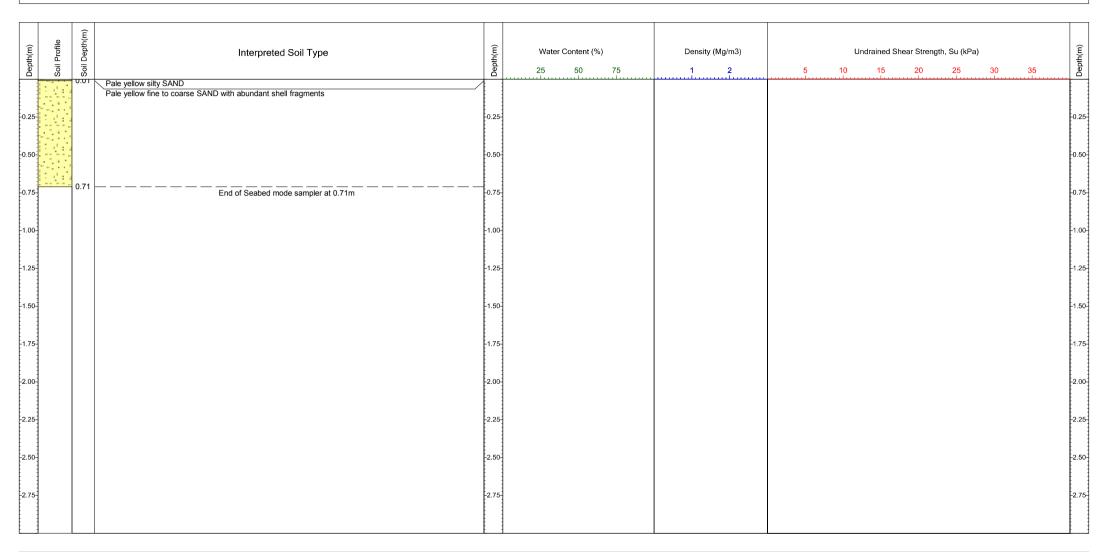


Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) 5 10 15 20 25 30 35
	23.67	0.10	Light grey fine to coarse organic GRAVEL. Gravel is angular and occasionally interbedded with subsea flora				
-0.25-			End of Seabed mode sampler at 0.10m	-0.25-			0.25
0.23				0.23			1020
-0.50-				-0.50			0.50
-0.75				-0.75			0.75
-1.00-				-1.00-			-1.00
-1.25-				-1.25			1.25
-1.50-				-1.50-			1.50
-1.75-				-1.75-			-1.75
-2.00-				-2.00-			2.00
-2.00-				-2.00-			F2.00-
-2.25-				-2.25			2.25
-2.50-				-2.50-			2.50
-2.75-				-2.75			2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2488843.8	781593.6	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	49.0	(mLAT)		Preliminary	Draft	Final	
	Client Name	NEC	Date of Test	24/11/2016			Freiiiiiiary	Diali	Fillal	SACS_FTL_OE_PC018A
	Vessel	Ocean Endeavour	Penetration (m)	0.10			РВ			SACS_FIE_CE_FCUTOA
	Method	Piston corer	Recovery (m)	0.10			24/11/2016			







Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2480139.0	785686.7	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	3	Core Location
	Contract	10817	Water Depth	35.7	(mLAT)		Preliminary	Draft	Final	
Core sample not split open.	Client Name	NEC	Date of Test	25/11/2016			Freiiiiiiary	Diali		SACS_FTL_OE_PC019
Description obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.71			РВ			SACS_FIL_OE_FC019
	Method	Piston corer	Recovery (m)	0.71			25/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) 5 10 15 20 25 30 35
-0.2		0.35	Pale yellow fine to coarse SAND with abundant shell fragments	-0.25-			0.25
-0.5) 	0.70	Dark grey fine to coarse SAND with frequent gravel. Gravel is fine and rounded	-0.50-			-0.50
-0.7 -1.0		0.70	End of Seabed mode sampler at 0.70m	-0.75- -1.00-			-1.00
-1.2	5-			-1.25-			1.25
-1.5				-1.50- -1.75-			-1.50 -1.75
-2.0)- -			-2.00-			-2.00-
-2.2				-2.25-			2.25
-2.5 -2.7				-2.50 -2.75			2.50

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2472604.0	791821.9	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	40.9	(mLAT)		Droliminon	Draft	Final	
Minimum recovery achieved. Core sample not split	Client Name	NEC	Date of Test	25/11/2016 Pre		Preliminary	Diait		SACS FTL OE PC020	
open. Description obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.70		JT			SACS_FIL_OE_FC020	
	Method	Piston corer	Recovery (m)	0.70			25/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	5		hear Strenç		35	Depth(m)
			Pale yellow fine to coarse SAND with abundant shell fragments									
-0.2				-0.25								0.25
0.5)			-0.50								-0.50-
0.7	5			-0.75								0.75
-1.0		1.00	End of Seabed mode sampler at 1.00m	-1.00								-1.00-
-1.2	5-			-1.25-								-1.25
-1.5) 			-1.50-								-1.50-
-1.7	5-			-1.75								-1.75-
-2.0)- 			-2.00-								-2.00-
-2.2	5			-2.25								-2.25-
-2.5	7			-2.50								-2.50-
-2.7				-2.75								-2.75-

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2466329.9	797333.8	CRS: WGS 84 Mercator (7S 15W)	(QC Status	3	Core Location
	Contract	10817	Water Depth	32.8	(mLAT)		Preliminary	Draft	Final	
Core sample not split open. Description	Client Name	ient Name NEC Date of Test 25/11/2016		Freiminary	Diait		SACS FTL OE PC021			
obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	1.00			JT			SACS_FIL_OE_FC021
	Method	Piston corer	Recovery (m)	1.00			25/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) (E) 46 9
		0.05	Light grey gravelly fine to coarse SAND with rare cobble. Gravel is fine to medium and sub-angular. Cobble is sub-rounded				
-0.25-			End of Seabed mode sampler at 0.05m	-0.25-			-0.25
0.50-				0.50			0.50
-0.75				-0.75-			0.75
-1.00-				-1.00-			-1.00
-1.25-				-1.25			1.25
-1.50-				-1.50-			1.50
-1.75-				-1.75-			-1.75
1.73				1.73			
-2.00-				2.00-			2.00-
-2.25-				-2.25-			-2.25
-2.50-				-2.50-			2.50
-2.75-				-2.75-			2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2466180.9	797387.4	CRS: WGS 84 Mercator (7S 15W)	(QC Status	s	Core Location
	Contract	10817	Water Depth	36.8	(mLAT)		Preliminary	Draft	Final	
Insufficient sample recovery. Retest required.	Client Name	NEC	Date of Test 25/11/2016			Freiminary	Diali		SACS FTL OE PC022	
Cobble stuck in tulip	Vessel	Ocean Endeavour	Penetration (m)	0.05			JT			SACS_FIL_OE_FC022
	Method	Piston corer	Recovery (m)	0.05			25/11/2016			



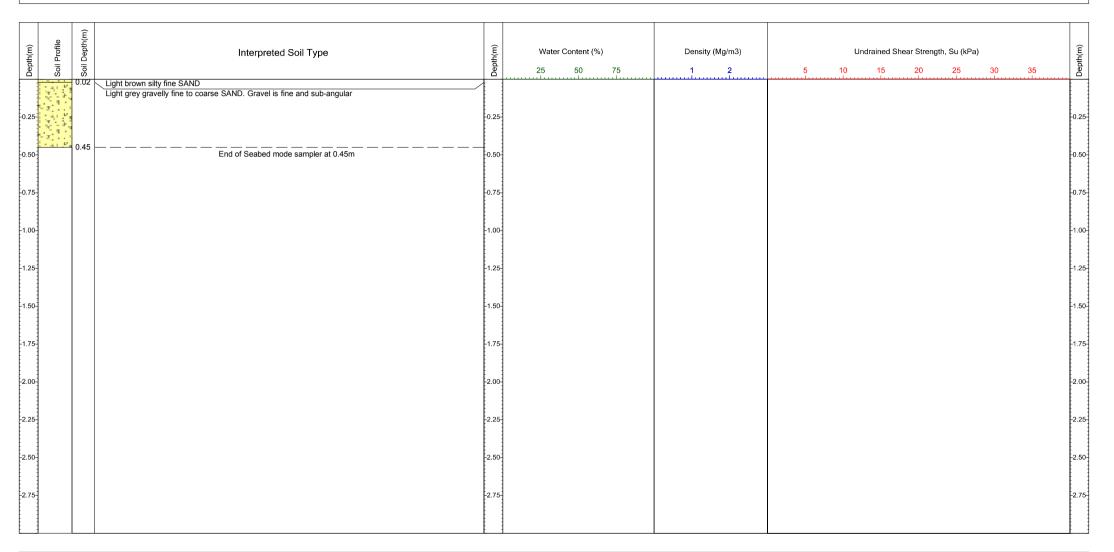


Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) (E) (5 10 15 20 25 30 35 d)
			Pale yellow fine to coarse SAND with abundant shell fragments				
0.25				-0.25-			0.25
-0.50				-0.50-			0.50
-0.75		1		-0.75-			0.76
-1.00		0.97	Light grey fine to coarse SAND with occasional gravel and frequent shell fragments. Gravel is fine and angular	-1.00-			1.00-
-1.25		1.25	End of Seabed mode sampler at 1.25m	1.25			1.25
-1.50				-1.50-			1.50-
-1.7	1			-1.75-			1.75
-2.00				-2.00-			2.00
-2.2				-2.25-			2.25
-2.50				-2.50-			2.50-
-2.75				-2.75			2.75
	1						

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2466173.7	797388.2	CRS: WGS 84 Mercator (7S 15W)	(QC Status	s	Core Location
	Contract	10817	Water Depth	36.8	(mLAT)		Preliminary	Draft	Final	
Core sample not split open. Description	Client Name	NEC	Date of Test	25/11/2016			Freiminary	Diali	Fillal	SACS_FTL_OE_PC022A
obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	1.25			JT			SACS_FIL_OE_FC022A
	Method	Piston corer	Recovery (m)	1.25			25/11/2016			



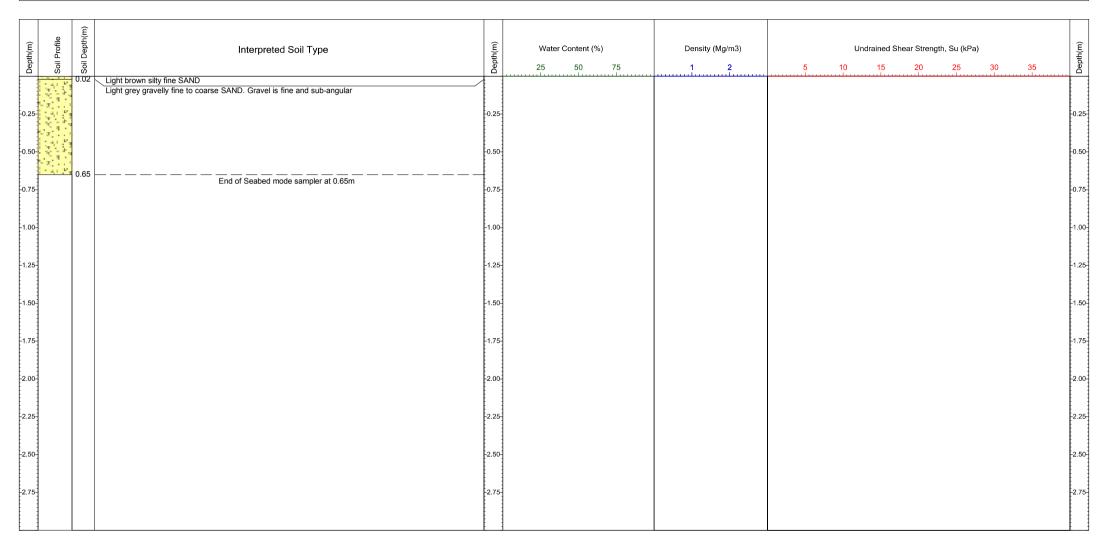




Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2456801.7	801502.3	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	39.6	(mLAT)		Preliminary	Draft	Final	
Minimum sample recovery not achieved. Retest required. Core sample not split open.	Client Name	NEC	Date of Test	25/11/2016			riellillilary	Diali		SACS FTL OE PC023
Description obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.45			JT			SACS_FIL_OE_FC023
	Method	Piston corer	Recovery (m)	0.45			25/11/2016			







Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2456804.5	801495.2	CRS: WGS 84 Mercator (7S 15W)	(QC Status	3	Core Location
	Contract	10817	Water Depth	39.5	(mLAT)		Droliminan	Draft	Final	
Core sample not split open. Description	Client Name	NEC	Date of Test	25/11/2016			Preliminary	Diali	rillai	SACS_FTL_OE_PC023A
obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.65			JT			SACS_FIL_OE_FC02SA
	Method	Piston corer	Recovery (m)	0.65			25/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) 5 10 15 20 25 30 35
		0.05	Light grey to grey fine to coarse GRAVEL with rare shell fragments and a rare cobble. Cobble is sub-angular and weathered				
0.25			End of Seabed mode sampler at 0.05m	-0.25			0.25
0.50				0.50			0.50
-0.75				-0.75-			0.75-
1.00				1.00			1.00
1.25				-1.25			1.25
-1.50				-1.50-			1.50
-1.50				-1.50-			1.30-
-1.75				1.75			1.75
-2.00				2.00			-2.00
-2.25				-2.25			2.25
-2.25				-2.25			72.20
-2.50				2.50			2.50-
2.75				2.75			2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2445911.3	804513.1	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	3	Core Location
	Contract	10817	Water Depth	35.3	(mLAT)		Preliminary	D4	Final	
Minimum recovery not achieved. Retest required	Client Name	NEC	Date of Test	25/11/2016			Preliminary	Draft		SACS FTL OE PC024
willimin recovery not achieved. Netest required	Vessel	Ocean Endeavour	Penetration (m)	0.05			JT			SACS_FIL_OE_FC024
	Method	Piston corer	Recovery (m)	0.05			25/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) (E) (5 10 15 20 25 30 35 d)
	1.3	0.05	White silty fine SAND with rare gravel. Gravel is medium and rounded				
			Light grey SAND with frequent gravel and shell fragments. Gravel is fine and sub-angular				
0.2				-0.25-			0.25
0.2				0.20			
		0.40					
-0.5	<u>,</u>		End of Seabed mode sampler at 0.40m	0.50			0.50
	1						
-0.7	5-			-0.75			0.75
	1						
	1						
-1.0	거			-1.00			[1.00]
	1						
-1.2				-1.25			1.25
F1.2	7]			1.20			1.20
ŀ	1						
-1.5	.]			-1.50-			1.50
1.7	5-			-1.75-			1.75
	1						
	1						
2.0)-			2.00			[2.00]
	1						
	.]						
-2.2	7]			-2.25-			2.25
-2.5	.]			-2.50-			2.50
1							
-2.7	5-			2.75			2.75
ŀ	1						
Ŀ	1			<u> </u>			

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2445908.3	804512.2	CRS: WGS 84 Mercator (7S 15W)	(QC Status	3	Core Location
	Contract	10817	Water Depth	35.2	(mLAT)	Preliminary		Draft	Final	
Core sample not split open. Description	Client Name	NEC	Date of Test	25/11/2016			Freiminary	Diant		SACS_FTL_OE_PC024A
obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.40		JT			SACS_FIL_OE_FC024A	
	Method	Piston corer	Recovery (m)	0.40						





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) (E) 45 30 35 9
-0.25		0.22	Pale yellow coarse SAND Light grey coarse SAND with occasional gravel. Gravel is fine and angular	-0.25-			-0.25-
-0.50		0.45	End of Seabed mode sampler at 0.45m	-0.50-			-0.50-
-0.75				-0.75-			0.75
-1.00				-1.00-			-1.00
-1.25				-1.25-			-1.25
-1.50				-1.50-			-1.50
-1.7				-1.75-			-1.75
-2.00				-2.00-			2.00
-2.2				-2.25			2.25
-2.50				-2.50-			2.50
-2.75				-2.75-			2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2433704.9	805485.6	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	32.6	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Core sample not split	Client Name	NEC	Date of Test	25/11/2016			riellillilary	Diali		SACS FTL OE PC025
open. Description obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.45			JT			SACS_FIL_OE_FC025
	Method	Piston corer	Recovery (m)	0.45			25/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 75	Density (Mg/m3)	5	Undrained	Shear Streng	gth, Su (kPa	35	Depth(m)
-	0)		Light grey coarse SAND with occasional gravel and shell fragments. Gravel is fine and angular									 	
-0.2				-0.25-									-0.25-
-0.5	0-			-0.50-									-0.50-
-0.7	5-			-0.75									0.75
-1.0	0			-1.00-									-1.00
-1.2	5-	1.40	End of Seabed mode sampler at 1.40m	-1.25									-1.25
-1.5				-1.50-									-1.50-
-1.7				-1.75-									-1.75
-2.0 -2.2				-2.00 -2.25									-2.00
-2.5				-2.50-									-2.50-
-2.7				-2.75									-2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2433706.0	805487.0	CRS: WGS 84 Mercator (7S 15W)	(QC Status	3	Core Location
	Contract	10817	Water Depth	32.8	(mLAT)		Preliminary	Draft	Final	
Core sample not split open. Description	Client Name	NEC	Date of Test	25/11/2016			rieiiiiiiaiy	Diali	rillai	SACS_FTL_OE_PC025A
obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	1.40			JT			SACS_FTE_OE_FC025A
	Method	Piston corer	Recovery (m)	1.40			25/11/2016			





Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) (E) 45 30 35 9
	20.67	0.10	Light grey organic fine to coarse GRAVEL. Gravel is angular and interbedded with subsea flora				
	1	0.10	End of Seabed mode sampler at 0.10m				
0.25	1			-0.25			0.25
0.50	.]			0.50			0.50
0.75				0.75			0.75
F0.7	1			0.75			
-1.00	1			-1.00-			1.00
-1.25	;			1.25			1.25
-1.50				-1.50-			1.50-
-1.75							1.75
[1.7]			-1.75			11.75
-2.00	1			2.00			2.00
]						
-2.25				-2.25			2.25
	1						
-2.50	1			2.50			2.50
	1						
-2.75	1			-2.75			2.75
E	1			F 3			<u> </u>

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2426952.9	805771.8	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	23.9	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Retest required	Client Name	NEC	Date of Test	25/11/2016			Freiiiiiiary	Diait		SACS FTL OE PC026
Millimum recovery not achieved. Retest required	Vessel	Ocean Endeavour	Penetration (m)	0.10			РВ			SACS_FIL_OE_FC020
	Method	Piston corer	Recovery (m)	0.10			25/11/2016			



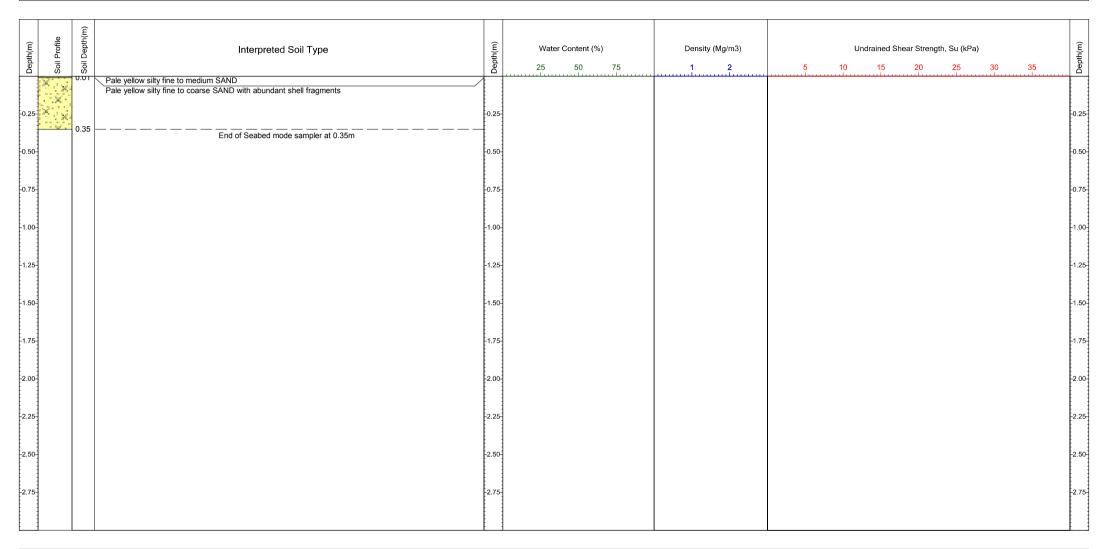


Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)		Wa	ter Conte	nt (%)		Densit	y (Mg/m3)		Une	drained Sl	hear Stren	gth, Su (kPa	a)		Depth(m)
Dep	Soil	Soil	Light grey organic sandy fine to coarse GRAVEL. Sand is fine to medium. Gravel is angular and interbedded with subsea flora	Dep	1	25	50		75 	 1	2	 5	 10	15	20	25	30	35	Dep
	271 27	0.10	interbedded with subsea flora End of Seabed mode sampler at 0.10m																
-0.25				-0.25	5-														-0.25-
-0.50				-0.50															-0.50-
-0.50				-0.50															-0.50-
-0.75				-0.75	5														-0.75
-1.00	1			1.00)														-1.00-
-1.25				-1.25															-1.25-
-1.20				-1.20	7														1.20
-1.50				-1.50)														-1.50-
-1.75				-1.75	5														-1.75-
-2.00				-2.00															-2.00-
-2.00				-2.00	1														-2.00-
-2.25	1			-2.25	5-														-2.25-
-2.50				-2.50)														-2.50-
2.7				2.75															-2.75-
-2.75				-2.75	7														2./5
	1				1														

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2426950.5	805787.5	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	23.9	(mLAT)		Preliminary	Draft	Final	
	Client Name	NEC	Date of Test	25/11/2016			Freiiiiiiaiy	Diali	Fillal	SACS_FTL_OE_PC026A
	Vessel	Ocean Endeavour	Penetration (m)	0.10			РВ			SACS_FTE_OE_FC020A
	Method	Piston corer	Recovery (m)	0.10			25/11/2016			







Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2422291.5	798497.2	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	23.3	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Retest required. Core sample not split open. Description	Client Name	NEC	Date of Test	25/11/2016			riellillilary	Diali		SACS FTL OE PC027
obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.35			РВ			SACS_FIL_OE_FC021
	Method	Piston corer	Recovery (m)	0.35			25/11/2016			



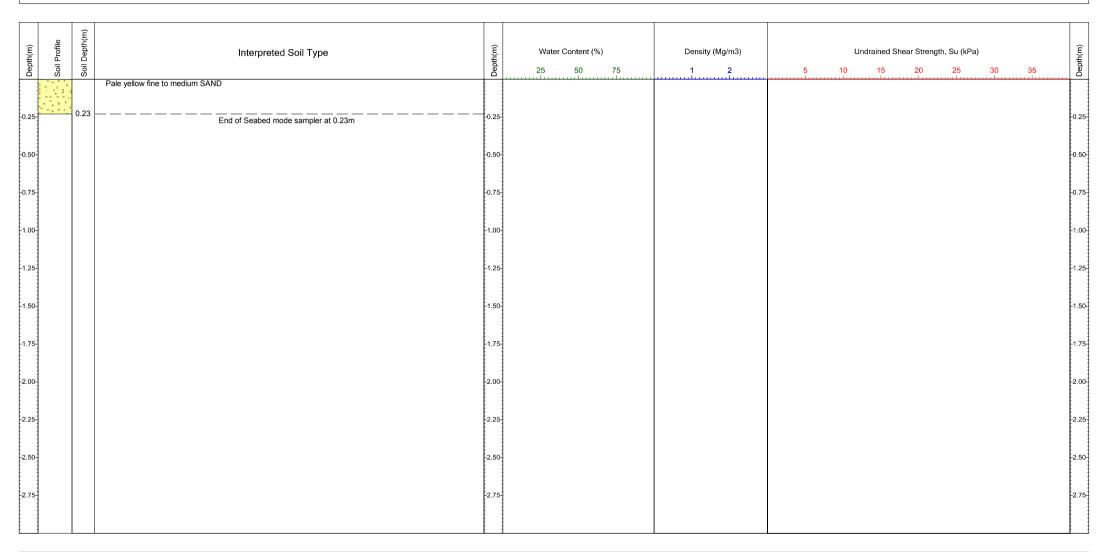


Depth(m)	Soil Profile	Soil Depth(m)	Interpreted Soil Type	Depth(m)	Water Content (%) 25 50 75	Density (Mg/m3)	Undrained Shear Strength, Su (kPa) 5 10 15 20 25 30 35
-0.25	X X X	0.28	Pale yellow silty fine to coarse SAND with abundant shell fragments End of Seabed mode sampler at 0.28m	-0.25-			-0.25
-0.50				-0.50-			-0.50-
-0.75				-0.75			-0.75
-1.00 -1.25				-1.00- -1.25-			-1.00
-1.50				-1.50-			-1.50-
-1.75				-1.75			-1.75
-2.00				-2.00			2.00-
-2.25				-2.25			-2.25
-2.50				-2.50			-2.50-
-2.75				-2.75			2.75

Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2422295.5	798505.1	CRS: WGS 84 Mercator (7S 15W)	(QC Status	s	Core Location
	Contract	10817	Water Depth	23.1	(mLAT)		Preliminary	Draft	Final	
Core sample not split open. Description	Client Name	NEC	Date of Test	25/11/2016			Freiminary	Diali	Fillal	SACS_FTL_OE_PC027A
obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.28			РВ			SACS_FIL_OE_FC02/A
	Method	Piston corer	Recovery (m)	0.28			25/11/2016			







Comments	Area	Atlantic: Brazil to Angola	Coordinates (E, N)	2488281.6	781617.7	CRS: WGS 84 Mercator (7S 15W)	(QC Statu	s	Core Location
	Contract	10817	Water Depth	46.7	(mLAT)		Preliminary	Draft	Final	
Minimum recovery not achieved. Retest required. Core sample not split open. Description	Client Name	NEC	Date of Test	24/11/2016			riellillilary	Diali		SACS FTL OE PC028
obtained from end logging only	Vessel	Ocean Endeavour	Penetration (m)	0.23			РВ			3AC3_1 1L_OL_F C020
	Method	Piston corer	Recovery (m)	0.23			24/11/2016			

CLIENT: NEC CONTRACT NO: 10817

BOREHQLE NO: SACS_FIL_OE_PLOO: Gardline

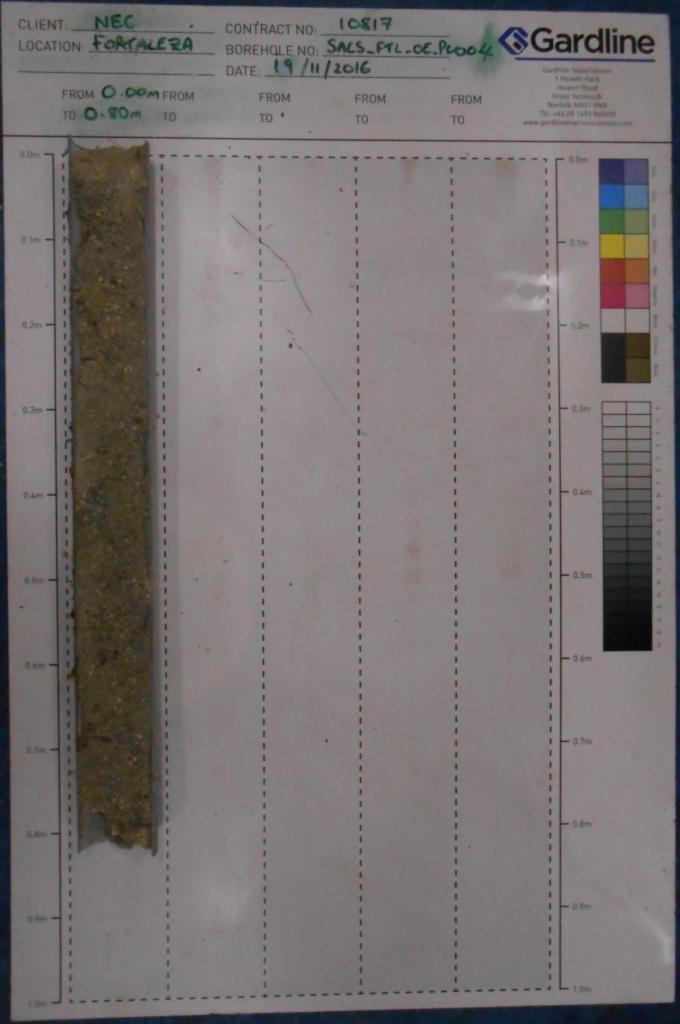
DATE: 19/11/2016

Gardline Gensciences LOCATION: FORTALEZA FROM O . COM FROM FROM FROM FROM TO 0.38m TO TO TO TO Norfolk NR31 0NN Tel: +44 (0) 1493 845600 0.1m -- 0.1m 0.2m -- 0.2m 0.3m -- 0.3m - 0.4m 0.4m -- 0.5m 0.5m -- 0.6m - 0.7m 0.7m -- 0.8m 0.8m = - 0.9m 0.9m *

CLIENT: NEC CONTRACT NO: 10817 DATE: 19/11/2016 Gardine LOCATION: FORTALEZA FROM O . OOM FROM FROM Great Yarmouth Norfolk NR31 0NN Tel: +44 [0] 1493 845600 gardinemarinesciences.com FROM FROM TO 0.53m TO TO TO TO - 0.1m - 0.2m - 0.3m - 0.4m - 0.5m - 0.6m - 0.7m 0.7m -- 0.8m - 0.9m

CLIENT: NEC . CONTRACT NO: 10817 BOREHOLE NO: SALS_FIL-OE_PLOOZ &Gardline LOCATION: FORTALEZA DATE: 19/11/2016 FROM O . COM FROM FROM O . 60m FROM FROM Norfolk NR31 0NN Tet: +44 (0) 1493 845600 TO 0-600 TO TO 1.10m TO TO 0.1m -- 0.1m 0.2m -- 0.2m 0.3m -0.4m -- 0.4m - 0.5m - 0.6m 0.6m -- 0.7m 0.7m -- 0.8m 0.8m -- 0.9m 0.9m -





CLIENT: NEC CONTRACT NO: 10817

BOREHOLE NO: SALS_FTL_OE_PLOOS Gardline

DATE: 19 /11/2016

Gardline Gardline LOCATION: FORTALEZA FROM O - COM FROM FROM FROM TO 0-20m TO TO TO TO 0.1m -0.3m -- 0.4m - 0.5m

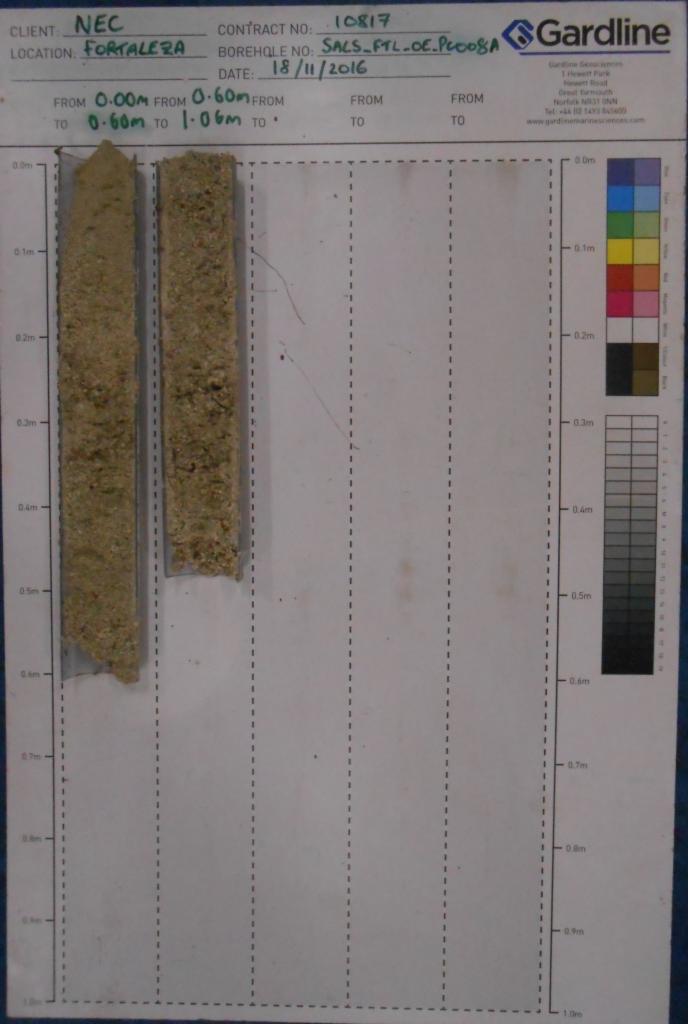


CLIENT: NEC CONTRACT NO: 10817 BOREHOLE NO: SALS_FIL-OE_PLOOF Gardline LOCATION: FORTALEZA DATE: 19/11/2016 FROM O . OOM FROM FROM Great Yarmouth Norfolk NR31 DNN FROM FROM то 0.38м то Tel: +44 (0) 1493 845600 TO . TO TO - 0.1m 0.2m -- 0.2m 0.3m -- 0.3m 0.4m -- 0.4m - 0.5m - 0.6m - 0.7m 0.7m -- 0.8m - 0.9m



CLIENT: NEC CONTRACT NO: 10817 BOREHQLE NO: SALS_FTL_OE_PLOO 7 SGardline
DATE: 19/11/2016 LOCATION: FORTALEZA FROM O OOM FROM FROM FROM FROM то 0.96м то +44 (0) 1493 845400 TO . TO. TO - 0.5m

BOREHOLE NO: SACS_FIL-OE-PLOOS SGARdline
DATE: 18/11/2016 CONTRACT NO: 10817 CLIENT: NEC LOCATION: FORTALEZA FROM O.OOM FROM FROM FROM FROM TO 0.49m TO TO . TO TO 0.3m -



CONTRACT NO: 10817 BOREHOLE NO: SALS_FIL_OE_PLOC 9 Gardine
DATE: 20/11/2016

Gardino Gard CLIENT: NEC LOCATION: FORTALEZA FROM O . COM FROM FROM FROM FROM Norfsik NF31 0NN Tet: +44 (0) 1493 845600 gardlinemarinesciences TO 0.05m TO TO . TO TO 0.1m 0.2m -- 0.3m - 0.4m - 0.5m





BOREHOLE NO: SALS_FIL-OC_PLOTE SGARdline CLIENT: NEC LOCATION: FORTALEZA DATE: 21/11/2016 FROM 0-00 FROM I-OOM FROM FROM FROM TO 1.00m TO 1.52m TO 1 - 0.2m - 0.4m - 0.5m 8.5m - 1 0.6m -0.7m -- 0.8m 0.8m = - 0.9m

