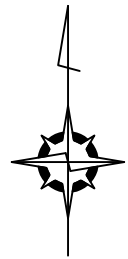


Appendix-C17-01

Drilling Logs



LEGEND:

Offshore Investigation

- Marine seismic survey lines (about 23.6km)
- Offshore Boring (8 locations), Priority
- Offshore Boring (7 locations), Posteriority

On-land Boring

- On-land Boring (10 locations), Priority
- Category 2 on-land boring (4 locations), Priority
- Category 2 on-land boring (4 locations), Posteriority
- Category 3 on-land boring (12 locations), Posteriority

On-land Investigation

- ⊠ Permanent Benchmark (1 location)
- Electric resistivity survey (10 locations)
- ▲ Swedish sounding test (40 locations)

Others

- Previous Boring Points
- Cross Section Line (CSL)

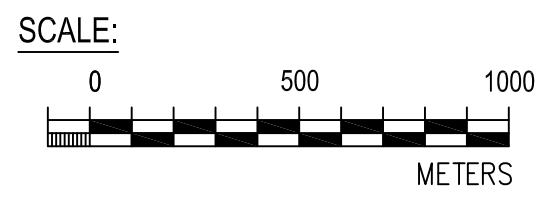
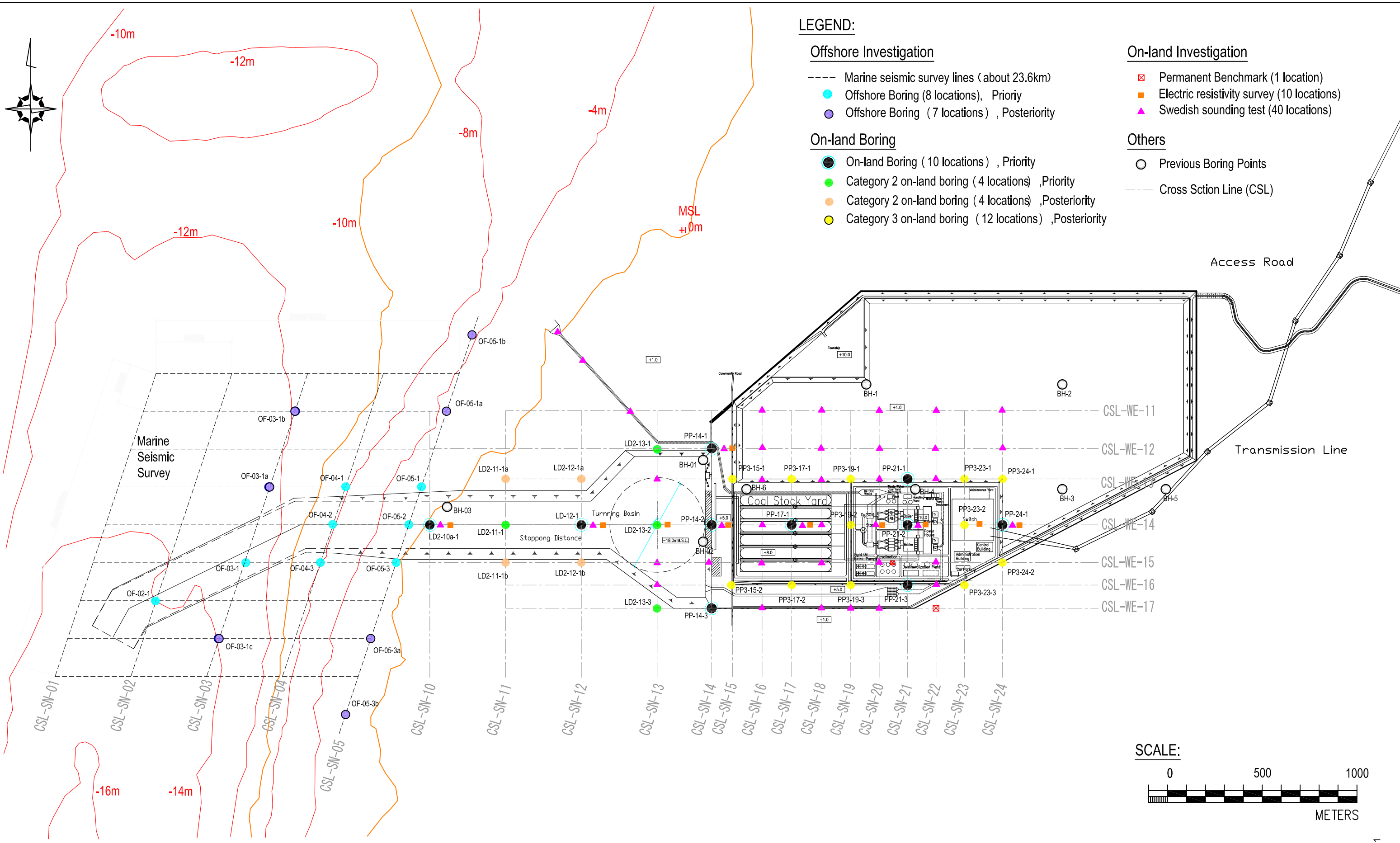


Fig.		Drilling Log										Hole Number: OF-04-1															
Project No. S27-14		Project Name: Matarbari PP					Sheet: 1																				
Supervisor: <u>Royal</u>		Coordinate: <u>N:2400320.20 E:381830.85</u>					Elevation: <u>MSL-6.99</u> m																				
Driller: <u>Mizan</u>		Date Started: <u>20141109</u>					Water Table: <u>GL+6.99</u> m																				
Type of Drilling Rig: <u>Rotary:KJC-S-1</u>		Date Terminated: <u>20141110</u>					Remarks: <u>Offshore:Final casing depth GL-2m</u>																				
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value												
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100										
									From	To	C'ter			1st	2nd	3rd											
1	-6.99	0.00	0.00		Silty Sand	Grey	Very Loose	Fine grained sand. With sea trace of shell fragmets, organic matter, mica fragments.	1.00	1.90	1.45	D-1		REC:70/90													
2			2.70																								
3	-9.69	2.70			Clayey Sand	Grey	Medium Dense	Fine grained sand. With trace of sea shell fragmets, organic matter, mica fragments.	2.00	2.45	2.23	SPT-1	2	0	1	1											
4																											
5																											
6			5.10																								
7																											
8																											
9																											
10	-14.79	7.80							Clay	Grey	Stiff	With little sand. Sand is fine grained.	3.00	3.45	3.23	SPT-2	19	5	7	12							
11																											
12																											
13																											
14	-16.69	9.70																									
15					Clayey Sand	Grey	Medium Dense	Fine to medium grained sand. With sea shell fragmets, organic matter. Silty sandy clay at 11.00 to 11.50m.	8.00	8.90	8.45	HP-1		REC:78/90													
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																											
31																											
					END OF BH																						

Fig.

Drilling Log

Hole Number:

OF-04-2

Project No. S27-14
 Supervisor: Royal
 Driller: Mizan
 Type of Drilling Rig: Rotary:KJC-S-1

Project Name: Matarbari PP
 Coordinate: N:2400124.00 E:381751.56
 Date Started: 20141105
 Date Terminated: 20141107

Sheet: 1
 Elevation: MSL-8.00 m
 Water Table: GL+8.00 m
 Remarks: Offshore:Final casing depth GL-2m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value								
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100						
									From	To	C'ter			1st	2nd	3rd							
1	-8.00	0.00	0.00		Clayey Sand	Brown	Loose to Medium Dense	Fine to medium grained sand. With sea shell fragments, organic matter, mica fragments	1.00	1.45	1.23	SPT-1	7	0	2	5	●						
2			3.70						2.00	2.80	2.40	D-1	REC:80/80										
3																							
4	-11.70	3.70			Clayey Sand	Brown	Dense	Fine to medium grained sand. With sea shell fragments, organic matter, mica fragments	3.00	3.45	3.23	SPT-2	29	9	13	16	●						
5									4.00	4.45	4.23	SPT-3	32	7	14	18	●						
6									4.70	5.00	5.80	5.40	D-2	REC:80/80									
7									6.00	6.45	6.23	SPT-4	31	7	12	19	●						
8	-16.40	8.40							7.00	7.45	7.23	SPT-5	35	10	15	20	●						
9									8.00	8.78	8.39	D-3	REC:70/78										
10																							
11					Clayey Sand	Grey	Medium Dense to Dense	Fine grained sand. With sea shell fragments, organic matter, mica fragments.	9.00	9.45	9.23	SPT-6	14	5	4	10	●						
12									5.50	10.00	10.45	10.23	SPT-7	35	12	15	20	●					
13										11.00	11.60	11.30	D	REC:0/60									
14	-21.90	13.90							12.00	12.45	12.23	SPT-8	19	4	6	13	●						
15										13.00	13.45	13.23	SPT-9	24	5	7	17	●					
16					Silt	Grey	Srtiff	With little sand. Sand is fine grained.	14.00	14.95	14.48	D-4	REC:80/95										
17									1.10	15.00	15.45	15.23	SPT-10	21	6	8	13	●					
18										16.00	16.45	16.23	SPT-11	27	7	9	18	●					
19	-23.00	15.00							3.95	17.00	17.90	17.45	D	REC:0/90									
20										18.00	18.95	18.48	D-5	REC:60/95									
21					END OF BH																		
22																							
23																							
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25																							
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27																							
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29																							
30																							
31																							

Fig.		Drilling Log										Hole Number: OF-05-1a														
Project No. S27-14		Project Name: Matarbari PP					Sheet: 1																			
Supervisor: <u>Royal</u>		Coordinate: <u>N:2400717.48 E:382356.12</u>					Elevation: <u>MSL-1.38 m</u>																			
Driller: <u>Jowel</u>		Date Started: <u>20141113</u>					Water Table: <u>GL+1.38 m</u>																			
Type of Drilling Rig: <u>Percussion:KJC-S-3</u>		Date Terminated: <u>20141117</u>					Remarks: <u>Offshore:Final casing depth GL-3m</u>																			
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value											
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm												
									From	To	C'ter			1st	2nd	3rd	0	20	40	60	80	100				
1	-1.38	0.00	0.00		Silt	Grey	Very Soft	Sand is fine grained. With sea shell fragments, organic matter, mica fragments	1.00	1.45	1.23	SPT-1	1	0	0	1	Self Penetration by Hammer Weight									
2			3.30									1.50	1.95	1.73	SPT-2	0		0	0	0						
3												2.00	2.45	2.23	SPT-3	2		0	1	1						
4	-4.68	3.30			Clayey Sand	Grey	Medium Dense	Very fine grained sand. With occasionally lenses of sandy silt. With organic matter, sea shell fragments, mica fragments	3.00	3.45	3.23	SPT-4	10	1	1	9										
5												4.00	4.90	4.45	D-1											
6			4.50									4.90	5.70	5.30	D-2											
7					Sand	Brownish Grey	Dense to Very Dense	Fine to medium grained sand. With sea shell fragments, organic matter, mica fragments. Occasionally lenses of silt	6.00	6.45	6.23	SPT-5	17	10	7	10										
8	-9.18	7.80										7.00	7.45	7.23	SPT-6	21	8	9	12							
9												8.00	8.75	8.38	D-3											
10					Sand	Brownish Grey	Dense to Very Dense	Fine to medium grained sand. With sea shell fragments, organic matter, mica fragments. Occasionally lenses of silt	9.00	9.45	9.23	SPT-7	47	16	19	28										
11			6.90									10.00	10.45	10.23	SPT-8	31	13	15	16							
12												11.00	11.90	11.45	D-4											
13					Sandy Clay	Grey	Stiff	Sand is very fine grained. With sea shell fragments, organic matter, mica fragments	12.00	12.45	12.23	SPT-9	33	17	10	23										
14												13.00	13.45	13.23	SPT-10	63	7	23	40							
15	-16.08	14.70										14.00	14.45	14.23	SPT-11	27	4	8	19							
16	-17.28	15.90	1.20		Silty Sand	Grey	Dense	Very fine grained sand. With sea shell fragments, organic matter, mica fragments. Occasionally lenses of sand and silt	15.00	15.90	15.45	D-5														
17												16.00	16.45	16.23	SPT-12	15	3	7	8							
18			2.80									17.00	17.45	17.23	SPT-13	30	17	13	17							
19	-20.08	18.70			Silt	Light Grey	Very Stiff	With sea shell fragments, mica fragments	18.00	18.90	18.45	D-6														
20	-20.83	19.45	0.75									19.15	19.45	19.30	SPT-14	28	9	15	13							
21					END OF BH																					
22																										
23																										
24																										
25																										
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27																										
28																										
29																										
30																										
31																										

Fig.		Drilling Log										Hole Number: OF-05-1b											
Project No. S27-14		Project Name: Matarbari PP					Sheet: 1																
Supervisor: Royal		Coordinate: N:2401124.50 E:382494.71					Elevation: MSL-1.94 m																
Driller: Alkas		Date Started: 20141112					Water Table: GL+1.94 m																
Type of Drilling Rig: Percussion:KJC-S-2		Date Terminated: 20141114					Remarks: Offshore:Final casing depth GL-3m																
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value								
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100						
									From	To	C'ter			1st	2nd	3rd							
1	-1.94	0.00	0.00		Sandy Silt	Grey	Very Soft	Sand is fine grained. With sea shell fragments, organic matter, mica fragments	1.00	1.45	1.23	SPT-1	0	0	0	0	● Self Penetration by Hammer Weight						
2	-4.64	2.70	2.70						3.00	3.45	3.23	SPT-2	1	0	1	0	●						
3																		2.00	2.45	2.23	SPT-3	5	1
4	-8.34	6.40	3.70		Sandy Silt	Grey	Medium Stiff	Sand is fine grained. With sea shell fragments, organic matter, mica fragments	3.00	3.45	3.23	SPT-3	5	1	2	3	●						
5									4.00	4.45	4.23	SPT-4	7	2	4	3	●						
6									5.00	5.45	5.23	SPT-5	8	2	4	4	●						
7									6.00	6.45	6.23	SPT-6	7	2	2	5	●						
8									7.00	7.85	7.43	D-1	REC:66/85										
9									8.00	8.45	8.23	SPT-7	32	4	12	20	●						
10	-13.94	12.00	9.30		Clayey Sand	Grey	Medium Dense to Dense	Fine grained sand. With sea shell fragments, organic matter, mica fragments.	9.00	9.45	9.23	SPT-8	16	3	8	8	●						
11									10.00	10.90	10.45	D-2	REC:70/90										
12									11.00	11.45	11.23	SPT-9	27	14	15	12	●						
13									12.00	12.45	12.23	SPT-10	38	15	19	19	●						
14	-18.84	16.90	4.90		Sand	Grey	Dense	Fine grained sand. With trace of sea shell fragments, organic matter, mica fragments. Silty silt at 15.00 to 15.45m.	13.00	13.70	13.35	D-3	REC:60/70										
15									14.00	14.45	14.23	SPT-11	45	20	22	23	●						
16									15.00	15.45	15.23	SPT-12	9	2	4	5	●						
17									16.00	16.80	16.40	D-4	REC:64/80										
18									17.00	17.45	17.23	SPT-13	40	11	20	20	●						
19	-20.39	18.45	1.55		Silty Sand	Light Grey	Dense	Fine grained sand. With sea shell fragments, organic matter, mica fragments	18.00	18.45	18.23	SPT-14	30	9	15	15	●						
20	END OF BH																						
21																							
22																							
23																							
24																							
25																							
26																							
27																							
28																							
29																							
30																							
31																							

Fig.		Drilling Log										Hole Number: OF-05-3										
Project No. S27-14		Project Name: Matarbari PP					Sheet: 1															
Supervisor: <u>Royal</u>		Coordinate: <u>N:2399933.03 E:382085.86</u>					Elevation: <u>MSL-0.99 m</u>															
Driller: <u>Mizan</u>		Date Started: <u>20141029</u>					Water Table: <u>GL+0.99 m</u>															
Type of Drilling Rig: <u>Rotary:KJC-L-2</u>		Date Terminated: <u>20141030</u>					Remarks: <u>Offshore:Final casing depth GL-3m</u>															
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test										
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			N-value					
									From	To	C'ter			1st	2nd	3rd	0	20	40	60	80	100
1	-0.99	0.00	0.00		Silty Sand	Brown	Medium Dense	Fine to medium grained sand. With sea shell fragments, organic matter, mica fragments	1.00	1.45	1.23	SPT-1	19	8	10	9	●					
2	-3.09	2.10	2.10						2.00	2.80	2.40	D-1	REC:70/80									
3	-3.99	3.00	0.90		Clay	Gery	Medium Stiff	With little sand, trace of sea shell fragments, mica fragments	3.00	3.45	3.23	SPT-2	6	2	2	4	●					
4									4.00	4.45	4.23	SPT-3	8	1	3	5	●					
5					Clayey Sand	Brown to Grey	Loose to Medium Dense	Fine grained sand. With sea shell fragments, organic matter, mica fragments. Occasionally sandy clay. Sandy clay at 5.00 to 5.80m	5.00	5.80	5.40	D-2	REC:70/80									
6									6.00	6.45	6.23	SPT-4	19	4	7	12	●					
7									7.00	7.45	7.23	SPT-5	5	1	2	3	●					
8									8.00	8.90	8.45	D-3	REC:85/90									
9	-9.99	9.00							9.00	9.45	9.23	SPT-6	8	4	3	5	●					
10										Sand	Brown	Loose to Medium Dense	Fine to medium grained sand. With sea shell fragments, organic matter, mica fragments	10.00	10.45	10.23	SPT-7	54	12	26	28	●
11				11.00	11.60	11.30	D-4	REC:60/60														
12				12.00	12.45	12.23	SPT-8	20						7	9	11	●					
13				13.00	13.45	13.23	SPT-9	23						7	9	14	●					
14				14.00	14.60	14.30	D-5	REC:60/60														
15				15.00	15.45	15.23	SPT-10	28						8	12	16	●					
16	-16.59	15.60			Clayey Sand	Grey	Medium Dense to Dense	Fine grained sand. With sea shell fragments, organic matter, mica fragments. Sandy silty clay at 17.00 to 17.60m.	16.00	16.45	16.23	SPT-11	31	10	13	18	●					
17									17.00	17.60	17.30	D-6	REC:60/60									
18									18.00	18.45	18.23	SPT-12	25	8	11	14	●					
19									19.00	19.45	19.23	SPT-13	28	8	10	18	●					
20									20.00	20.70	20.35	D-7	REC:60/70									
21	-22.44	21.45							21.00	21.45	21.23	SPT-14	33	7	13	20	●					
22				END OF BH																		
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						

Fig.

Drilling Log

Hole Number:

OF-05-3a

Project No. S27-14
Supervisor: Royal
Driller: Alkas

Project Name: Matarbari PP
Coordinate: N:2399517.85 E:381960.07
Date Started: 20141105
Date Terminated: 20141107

Sheet: 1
Elevation: MSL-0.15 m
Water Table: GL+0.15 m
Remarks: Offshore: Fianl casing depth GL-5m

Type of Drilling Rig: Percussion:KJC-S-2

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value													
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0	20	40	60	80	100						
									From	To	C'ter			1st	2nd	3rd												
1	-0.15	0.00	0.00		Silty Sand	Grey	Loose	Fine grained sand. With sea shell fragments, organic matter, mica fragments	1.00	1.45	1.23	SPT-1	8	1	4	4												
2	-1.85	1.70	1.70		Sandy Silt	Grey	Very Soft to Stiff	Sand is fine grained. With sea shell fragments, organic matter, mica fragments	2.00	2.45	2.23	SPT-2	2	1	1	1												
3												3.00	3.45	3.23	SPT-3	2	0	0	2									
4												4.00	4.45	4.23	SPT-4	1	1	1	0									
5												5.00	5.45	5.23	SPT-5	6	1	2	4									
6			7.60									6.00	6.45	6.23	SPT-6	7	3	3	4									
7												7.00	7.45	7.23	SPT-7	9	3	4	5									
8												8.00	8.45	8.23	SPT-8	8	2	4	4									
9												9.00	9.45	9.23	SPT-9	4	1	1	3									
10	-9.45	9.30							Sand	Grey	Very Dense	With few clay. Fine to medium grained sand. With sea shell fragments, organic matter, mica fragments	10.00	10.70	10.35	D-1												
11			2.50					11.00					11.45	11.23	SPT-10	64	20	20	44									
12	-11.95	11.80			Silt	Grey	Stiff	With trace of fine grained sand, sea shell fragments, organic matter, mica fragments	12.00	12.45	12.23	SPT-11	11	5	5	6												
13	-12.95	12.80	1.00									13.00	13.80	13.40	D-2													
14			1.90		Sand	Grey	Dense	With few clay. Fine to medium grained sand. With sea shell fragments, organic matter	14.00	14.45	14.23	SPT-12	36	7	14	22												
15	-14.85	14.70										15.00	15.45	15.23	SPT-13	21	4	7	14									
16					Silt	Grey	Stiff to Very Stiff	With trace of medium grained sand, organic matter, mica fragments	16.00	16.45	16.23	SPT-14	7	2	2	5												
17			3.50									17.00	17.45	17.23	SPT-15	12	2	3	9									
18	-18.35	18.20										18.00	18.45	18.23	SPT-16	36	9	19	17									
19					Sandy Clay	Grey	Very Stiff to Hard	Sand is fine grained. With trace of organic matter and mica fragments	18.50	19.40	18.95	D-3																
20			2.25									20.00	20.45	20.23	SPT-17	24	9	10	14									
21	-20.60	20.45			END OF BH																							
22																												
23																												
24																												
25																												
26																												
27																												
28																												
29																												
30																												
31																												

Fig.

Drilling Log

Hole Number:

OF-05-3b

Project No. S27-14
 Supervisor: Royal
 Driller: Alkas
 Type of Drilling Rig: Percussion:KJC-S-2

Project Name: Matarbari PP
 Coordinate: N:2399110.71 E:381819.92
 Date Started: 20141028
 Date Terminated: 20141102

Sheet: 1
 Elevation: MSL-1.71 m
 Water Table: GL+1.71 m
 Remarks: Offshore:Final casing depth GL-4m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value									
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0	20	40	60	80	100		
									From	To	C'ter			1st	2nd	3rd								
1	-1.71	0.00	0.00		Clayey Sand	Grey	Very Loose to Loose	Fine grained sand with very closely lenses of silt. With trace of sea shell fragments, organic matter, mica fragments	1.00	1.45	1.23	SPT-1	1	2	1	0								
2												2.00	2.45	2.23	SPT-2	7	6	4	3					
3			4.70									3.00	3.90	3.45	D-1									
4												4.00	4.45	4.23	SPT-3	17	7	8	9					
5	-6.41	4.70										5.00	5.45	5.23	SPT-4	14	2	7	7					
6			2.30		Sandy Clay	Grey	Stiff	Sand is fine grained. With trace of sea shell fragments, organic matter, mica fragments	6.00	6.90	6.45	D-2												
7	-8.71	7.00										7.00	7.45	7.23	SPT-5	29	4	8	21					
8					Silty Sand	Grey	Dense to Very Dense	Fine to medium grained sand. With sea shell fragments, mica fragments. Occasionally sand with clay. Sand with clay at 10.20 to 10.93m.	8.00	8.45	8.23	SPT-6	30	9	12	18								
9												9.00	9.60	9.30	D									
10												9.60	10.10	9.85	D									
11												10.20	10.53	10.37	D-3a									
12												10.53	10.93	10.73	D-3b									
13			9.60									11.00	11.45	11.23	SPT-7	62	14	24	38					
14												12.00	12.45	12.23	SPT-8	100	25	50	50					
15												13.00	13.26	13.13	SPT-9	50	30	50						
16												14.00	14.26	14.13	SPT-10	50	35	50						
17	-18.31	16.60										15.00	15.23	15.12	SPT-11	50	40	50						
18			0.70		Silt	Grey	Hard	With trace of fine grained sand, sea shell fragments, organic matter	16.00	16.26	16.13	SPT-12	50	33	50									
19	-19.01	17.30	1.40		Silty Sand	Grey	Dense	Fine grained sand. With sea shell fragments, organic matter, mica fragments	17.00	17.45	17.23	SPT-13	33	33	6	27								
20	-20.41	18.70			Silt	Grey	Very Stiff	With fine grained sand, sea shell fragments.	18.00	18.45	18.23	SPT-14	40	7	12	28								
21	-21.16	19.45	0.75		Silt	Grey	Very Stiff	With fine grained sand, sea shell fragments.	19.00	19.45	19.23	SPT-15	17	6	8	9								
22					END OF BH																			
23																								
24																								
25																								
26																								
27																								
28																								
29																								
30																								
31																								

Fig. Drilling Log										Hole Number: LD-12-1												
Project No. S27-14		Project Name: Matarbari PP		Sheet: 1																		
Supervisor: Royal		Coordinate: N:2400120.42 E:383068.87		Elevation: MSL+1.43 m																		
Driller: Abul		Date Started: 20140922		Water Table: GL+0.25 m																		
Type of Drilling Rig: Rotary:KJC-L-2		Date Terminated: 20140927		Remarks: Wetland:Final casing depth GL-1.5m																		
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value							
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0	20	40	60	80	100
									From	To	C'ter			1st	2nd	3rd						
1	1.43	0.00	0.00		Clay	Grey	Very Soft	With trace of fine grained sand, sea shell fragments and organic matter	1.00	1.45	1.23	SPT-1	0	0	0	0	Self Penetration by Hammer Weight					
2			2.35						2.00	2.90	2.45	HP-1	REC:90/90									
3	-0.92	2.35			Sandy Silt	Grey	Stiff	Sand is fine grained	3.00	3.45	3.23	SPT-2	15	4	6	9						
4	-2.27	3.70	1.35						4.00	4.45	4.23	SPT-3	21	4	7	14						
5					Clayey Sand	Grey	Medium Dense to Dense	Fine to medium grained sand. With organic matter and decomposed wood. Occasionally Clayey Sand. Occasionally brownish grey	5.00	5.80	5.40	D-1	REC:80/80									
6									6.00	6.45	6.23	SPT-4	25	5	10	15						
7									7.00	7.45	7.23	SPT-5	41	10	16	25						
8			7.00						8.00	8.85	8.43	D-2	REC:60/85									
9									9.00	9.45	9.23	SPT-6	12	2	4	8						
10									10.00	10.45	10.23	SPT-7	29	4	12	17						
11	-9.27	10.70							11.00	11.50	11.25	D-3	REC:40/50									
12					12.00	12.45	12.23	SPT-8	42	5	15	27										
13					13.00	13.45	13.23	SPT-9	33	14	14	19										
14					14.00	14.80	14.40	D-4	REC:50/80													
15					15.00	15.45	15.23	SPT-10	52	11	24	28										
16			9.00		16.00	16.45	16.23	SPT-11	29	5	10	19										
17					17.00	17.60	17.30	D-5	REC:60/60													
18					18.00	18.45	18.23	SPT-12	25	5	10	15										
19					19.00	19.45	19.23	SPT-13	32	6	11	21										
20	-18.27	19.70			20.00	20.45	20.23	SPT-14	22	8	10	12										
21					21.00	21.45	21.23	SPT-15	32	9	13	19										
22			4.00		22.00	22.70	22.35	HP	REC:0/70													
23					23.00	23.60	23.30	D-6	REC:60/60													
24	-22.27	23.70			24.00	24.45	24.23	SPT-16	30	7	13	17										
25					25.00	25.45	25.23	SPT-17	23	6	9	14										
26					26.00	26.45	26.23	SPT-18	35	6	14	21										
27			5.00		27.00	27.45	27.23	SPT-19	26	7	12	14										
28					28.00	28.45	28.23	SPT-20	28	6	13	15										
29	-27.27	28.70			29.00	29.45	29.23	SPT-21	75	19	31	44										
30			5.60		30.00	30.45	30.23	SPT-22	75	20	31	44										
31																						

Fig.

Drilling Log

Hole Number:

LD2-10a-1

Project No. S27-14
 Supervisor: Royal
 Driller: Matab
 Type of Drilling Rig: Rotary:KJC-L-2

Project Name: Matarbari PP
 Coordinate N:2400119.95 E:382463.85
 Date Started: 20141111
 Date Terminated: 20141114

Sheet: 1
 Elevation: MSL+0.45 m
 Water Table: GL+0.40 m
 Remarks: Offshore:Final casing depth GL-2m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value										
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0	20	40	60	80	100			
									From	To	C'ter			1st	2nd	3rd									
1	0.45	0.00	0.00		Clay	Grey	Soft	With trace of fine grained sand, organic matter, mica fragments	1.00	1.45	1.23	SPT-1	3	0	1	2	●								
2				3.80					2.00	2.85	2.43	HP-1													
3									3.00	3.45	3.23	SPT-2	4	0	2	2	●								
4	-3.35	3.80			Clay	Grey	Medium Stiff to Stiff	With little sand. Sand is fine grained and trace of organic matter, mica fragments.	4.00	4.45	4.23	SPT-3	6	1	2	4	●								
5				3.90					5.00	5.90	5.45	HP-2													
6									6.00	6.45	6.23	SPT-4	15	3	6	9	●								
7					Sandy Clay	Grey	Medium Stiff to Stiff	Very fine grained sand. With organic matter, mica fragments	7.00	7.45	7.23	SPT-5	10	2	4	6	●								
8	-7.25	7.70		3.00					8.00	8.85	8.43	D-1													
9									9.00	9.45	9.23	SPT-6	4	0	1	3	●								
10					Clayey Sand	Brown	Very Dense	Fine to medium grained sand. With organic matter, sea shell fragments, mica fragments	10.00	10.45	10.23	SPT-7	11	2	5	6	●								
11	-10.25	10.70							11.00	11.80	11.40	D-2													
12									12.00	12.29	12.15	SPT-8	50	16	50										
13					Clay	Grey	Hard	With little fine grained sand, mica fragments, organic matter	13.00	13.30	13.15	SPT-9	50	27	50										
14									14.00	14.29	14.15	SPT-10	50	31	50										
15	-14.25	14.70							15.00	15.45	15.23	SPT-11	38	10	17	21	●								
16					Silty Sand	Grey	Medium Dense to Very Dense	Fine to medium grained sand. With sea shell fragments, organic matter, mica fragments. Occasionally sandy clay. Sandy clay at 19.00 to 19.25 m	16.00	16.90	16.45	D-3													
17	-15.95	16.40							17.00	17.45	17.23	SPT-12	29	6	12	17	●								
18									18.00	18.45	18.23	SPT-13	22	5	7	15	●								
19					END OF BH				19.00	19.80	19.40	D-4													
20									20.00	20.45	20.23	SPT-14	15	5	9	6	●								
21	-20.85	21.30							21.00	21.30	21.15	SPT-15	50	21	50										
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									

Fig.		Drilling Log										Hole Number: LD2-11-1														
Project No. S27-14		Project Name: Matarbari PP		Sheet: 1																						
Supervisor: Royal		Coordinate: N:2400120.34 E:382669.58		Elevation: MSL+1.50 m																						
Driller: Matab		Date Started: 20140911		Water Table: GL+0.30 m																						
Type of Drilling Rig: Rotary:KJC-S-1		Date Terminated: 20140919		Remarks: Offshore:Final casing depth GL-6m																						
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test														
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			N-value									
									From	To	C'ter			1st	2nd	3rd	0	20	40	60	80	100				
1	1.50	0.00	0.00		Clay	Greenish Grey	Very Soft	With trace of fine grained sand, sea shell fragments, organic matter and decomposed wood	1.00	1.45	1.23	SPT-1	2	1	1	1										
2				2.00					2.80	2.40	HP-1	REC:80/80														
3			4.80						3.00	3.45	3.23	SPT-2	0	0	0	0	Self Penetration by Hammer Weight									
4									4.00	4.45	4.23	SPT-3	0	0	0	0	Self Penetration by Hammer Weight									
5	-3.30	4.80																								
6					Sandy Silt	Grey	Stiff to Very Stiff	Sand is fine to medium grained. With trace of mica fragments. Clay at 8.00 to 8.90m. Silty sand at 9.00 to 9.45m	5.00	5.90	5.45	HP-2	REC:90/90													
7				6.00					6.45	6.23	SPT-4	11	3	4	7											
8				7.00					7.45	7.23	SPT-5	18	7	8	10											
9			7.20						8.00	8.90	8.45	HP-3	REC:90/90													
10									9.00	9.45	9.23	SPT-6	11	2	3	8										
11									10.00	10.45	10.23	SPT-7	11	3	5	6										
12	-10.50	12.00							11.00	11.80	11.40	HP-4	REC:79/80													
13					Silty Sand	Grey	Medium Dense to Dense	Fine to medium grained sand. With trace of mica fragments. Silty sand at 17.00 to 17.80m	12.00	12.45	12.23	SPT-8	22	5	10	12										
14				13.00					13.45	13.23	SPT-9	34	7	14	20											
15				14.00					14.80	14.40	D-1	REC:50/80														
16				15.00					15.45	15.23	SPT-10	17	1	6	11											
17			8.90						16.00	16.45	16.23	SPT-11	50	17	23	27										
18									17.00	17.80	17.40	D-2	REC:75/80													
19									18.00	18.45	18.23	SPT-12	50	10	21	29										
20									19.00	19.45	19.23	SPT-13	32	4	12	20										
21	-19.40	20.90							20.00	20.80	20.40	D-3	REC:70/80													
22					Sandy Silt	Grey	Hard	Sand is fine to medium grained. With trace of mica fragments	21.00	21.45	21.23	SPT-14	40	15	19	21										
23			2.60						22.00	22.45	22.23	SPT-15	51	16	22	29										
24	-22.00	23.50							23.00	23.45	23.23	SPT-16	50	14	23	27										
25					Silty Sand	Grey, Yellowish Brown	Dense to Very Dense	Mostly fine grained sand. With trace of mica fragments.	24.00	24.45	24.23	SPT-17	46	12	20	26										
26	-24.30	25.80							25.00	25.45	25.23	SPT-18	50	15	25	25										
27					Sandy Silt	Grey	Hard	Sand is fine to medium grained. With trace of mica fragments	26.00	26.45	26.23	SPT-19	50	16	22	28										
28	-26.20	27.70	1.90						27.00	27.45	27.23	SPT-20	55	10	24	31										
29					Silty Sand	Yellowish brown	Very Dense	Fine to medium grained sand	28.00	28.45	28.23	SPT-21	62	19	24	38										
30			7.30						29.00	29.45	29.23	SPT-22	54	18	25	29										
31									30.00	30.45	30.23	SPT-23	61	16	28	33										

Fig.		Drilling Log										Hole Number: LD2-11-1a														
Project No. S27-14		Project Name: Matarbari PP				Sheet: 1																				
Supervisor: Royal		Coordinate N:2400362.62 E:382669.30				Elevation: MSL+0.16 m																				
Driller: Mizan		Date Started: 20141003				Water Table: GL+0.65 m																				
Type of Drilling Rig: Rotary:KJC-L-2		Date Terminated: 20141009				Remarks: Offshore:Final casing depth GL-4m																				
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value											
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100									
									From	To	C'ter			1st	2nd	3rd										
1	0.16	0.00	0.60		Silty Sand	Grey	Loose	Fine to medium grained asnd. With sea shell fragments, mica fragments	1.00	1.45	1.23	SPT-1	4	1	2	2	●									
2	-0.44	0.6			Clayey Silt	Grey	Very Soft to Soft		With few organic matter.	2.00	2.85	2.43	HP-1	REC:85/85												
3			3.20										3.00	3.45	3.23	SPT-2	0	0	0	0	● Self Penetration by Hammer Weight					
4	-3.64	3.80			Sandy Silt	Grey	Soft to Medium Stiff	With some fine grained sand, few organic matter. lenses of sand at lower portion.	4.00	4.45	4.23	SPT-3	3	0	1	2	●									
5													5.00	5.90	5.45	HP-2	REC:90/90									
6			5.10										6.00	6.45	6.23	SPT-4	4	1	2	2	●					
7													7.00	7.45	7.23	SPT-5	6	2	2	4	●					
8	-8.74	8.9			Clay	Grey	Medium Stiff to Stiff	with little fine grained sand.	8.00	8.90	8.45	HP-3	REC:90/90													
9			1.30										9.00	9.45	9.23	SPT-6	6	2	3	3	●					
10	-10.04	10.2											10.00	10.45	10.23	SPT-7	9	2	4	5	●					
11					Silty Sand	Grey	Medium Dense to Dense	Fine to medium grained sand. With trace of organic matter and mica fragments. Sandy clay at 20.20 to 20.60m.	11.00	11.80	11.40	D-1	REC:65/80													
12													12.00	12.45	12.23	SPT-8	22	4	9	13	●					
13													13.00	13.45	13.23	SPT-9	36	5	16	20	●					
14													14.00	14.60	14.30	D-2	REC:60/60									
15													15.00	15.45	15.23	SPT-10	46	10	17	29	●					
16			11.25										16.00	16.45	16.23	SPT-11	33	12	14	19	●					
17													17.00	17.80	17.40	D-3	REC:70/80									
18													18.00	18.45	18.23	SPT-12	15	5	7	8	●					
19													19.00	19.45	19.23	SPT-13	19	4	7	12	●					
20													20.00	20.70	20.35	D-4	REC:60/70									
21	-21.29	21.45							21.00	21.45	21.23	SPT-14	32	7	14	18	●									
22					END OF BH																					
23																										
24																										
25																										
26																										
27																										
28																										
29																										
30																										
31																										

Fig.

Drilling Log

Hole Number:

LD2-11-1b

Project No. S27-14
 Supervisor: Royal
 Driller: Mizan
 Type of Drilling Rig: Rotary:KJC-L-2

Project Name: Matarbari PP
 Coordinate N:2399921.61 E:382669.21
 Date Started: 20140929
 Date Terminated: 20141001

Sheet: 1
 Elevation: MSL+1.64 m
 Water Table: GL+0.20m m
 Remarks: Wetland:Final casing depth GL-7m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value										
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0	20	40	60	80	100			
									From	To	C'ter			1st	2nd	3rd									
1	1.64	0.00	0.00		Clay	Grey	Very Soft	With trace of fine grained sand, organic matter. At top mottled with yellowish brown	1.00	1.45	1.23	SPT-1	0	0	0	0	●	Self Penetration by Hammer Weight							
2												2.00	2.90	2.45	HP-1	REC:90/90									
3			4.50									3.00	3.45	3.23	SPT-2	0	0	0	0	●	Self Penetration by Hammer Weight				
4												4.00	4.45	4.23	SPT-3	0	0	0	0	●	Self Penetration by Hammer Weight				
5	-2.86	4.50										5.00	5.85	5.43	HP	REC:0/85									
6					Sandy Silt	Grey	Very Soft to Soft	With lots of fine grained sand	6.00	6.90	6.45	HP-2	REC:90/90												
7			4.20									7.00	7.45	7.23	SPT-4	3	0	1	2	●					
8												8.00	8.45	8.23	SPT-5	1	0	0	1	●					
9	-7.06	8.70										9.00	9.50	9.25	HP-3	REC:50/50									
10												10.00	10.45	10.23	SPT-6	9	2	4	5	●					
11					Clayey Sand	Grey	Medium Dense to Dense	Fine to medium grained sand. With trace of sea shell fragments	11.00	11.45	11.23	SPT-7	16	3	8	8	●								
12			8.70									12.00	12.85	12.43	D-1	REC:65/85									
13												13.00	13.45	13.23	SPT-8	42	13	18	24	●					
14												14.00	14.45	14.23	SPT-9	32	7	14	18	●					
15	-13.46	15.10										15.00	15.85	15.43	D-2	REC:60/85									
16	-14.26	15.90	0.80		Sandy Clay	Grey	Very Stiff	Sand is fine grained .	16.00	16.45	16.23	SPT-10	23	13	12	11	●								
17					Silty Sand	Grey	Medium Dense to Dense	Fine to medium grained sand. With trace of sea shell fragments. Color is Brownish Grey at 20.00 to 20.45m.	17.00	17.45	17.23	SPT-11	22	6	9	13	●								
18			4.80									18.00	18.60	18.30	D-3	REC:60/60									
19												19.00	19.45	19.23	SPT-12	33	6	13	20	●					
20												20.00	20.45	20.23	SPT-13	50	20	23	27	●					
21	-19.06	20.70										21.00	21.45	21.23	SPT-14	27	7	12	15	●					
22			1.75		Sandy Silt	Grey	Very Stiff	With trace of fine grained sand	22.00	22.45	22.23	SPT-15	30	8	13	17	●								
23	-20.81	22.45			END OF BH																				
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									

Fig.

Drilling Log

Hole Number:

LD2-12-1a

Project No. S27-14
Supervisor: Royal
Driller: Abul
Type of Drilling Rig: Rotary:KJC-L-2

Project Name: Matarbari PP
Coordinate N:2400362.70 E:383069.83
Date Started: 20140916
Date Terminated: 20140921

Sheet: 1
Elevation: MSL+0.94 m
Water Table: GL+0.30 m
Remarks: Wetland:Final casing depth GL-1.5m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value										
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100								
									From	To	C'ter			1st	2nd	3rd	Self Penetration by Hammer Weight								
1	0.94	0.00	0.00		Clay	Grey	Very Soft	With little sand. Sand is fine grained. With trace of organic matter	1.00	1.45	1.23	SPT-1	0	0	0	0									
2			3.00						2.00	2.90	2.45	HP-1	REC:90/90												
3	-2.06	3.00																							
4			1.70		Sandy Silt	Grey	Stiff to Very Stiff	Sand is fine grained at top, medium grained at bottom. With organic matter, sea shell fragments, mica fragments	3.00	3.45	3.23	SPT-2	18	6	8	10									
5			4.70						4.00	4.45	4.23	SPT-3	14	6	6	8									
6	-3.76	4.70																							
7			4.20		Sand	Grey	Medium Dense to Dense	Fine to medium grained sand. With sea shell fragments, organic matter, mica fragments	5.00	5.20	5.10	D	REC:0/20												
8									5.20	5.65	5.43	SPT-4	10	7	5	5	REC:70/70								
9	-7.96	8.90							6.00	6.70	6.35	D-1													
10					Sandy Clay	Grey	Stiff	With some fine to medium grained sand, few sea fragments, organic matter and trace of mica fragments.	7.00	7.45	7.23	SPT-5	39	10	18	21									
11			3.40						8.00	8.45	8.23	SPT-6	30	8	13	17									
12	-11.36	12.30							9.00	9.70	9.35	D-2	REC:70/70												
13					Clayey Sand	Grey	Medium Dense	Fine to medium grained sand. With trace of organic matter, sea shell fragments, mica fragments and lenses of silt at lower portion.	10.00	10.45	10.23	SPT-7	12	9	4	8									
14									11.00	11.45	11.23	SPT-8	14	5	7	7									
15			6.40						12.00	12.80	12.40	D-3	REC:80/80												
16					Sandy Silt	Grey	Stiff to Very Stiff	With some fine grained sand.	13.00	13.45	13.23	SPT-9	20	4	7	13									
17									14.00	14.45	14.23	SPT-10	23	6	10	13									
18									15.00	15.70	15.35	D-4	REC:55/70												
19	-17.76	18.70			Silt	Grey	Very Stiff	With very fine grained sand	16.00	16.45	16.23	SPT-11	23	5	9	14									
20			3.00						17.00	17.45	17.23	SPT-12	21	4	8	13									
21	-20.76	21.70							18.00	18.70	18.35	D	REC:0/70												
22	-21.51	22.45	0.75						19.00	19.45	19.23	SPT-13	23	7	9	14									
23									20.00	20.45	20.23	SPT-14	10	2	4	6									
24									21.00	21.45	21.23	SPT-15	22	3	9	13									
25									22.00	22.45	22.23	SPT-16	17	3	8	9									
26					END OF BH																				
27																									
28																									
29																									
30																									
31																									

Fig.

Drilling Log

Hole Number:

LD2-13-2

Project No. S27-14
Supervisor: Royal
Driller: Kowser
Type of Drilling Rig: Rotary:KJC-L-1

Project Name: Matarbari PP
Coordinate: N:2400120.52 E:383473.46
Date Started: 20140830
Date Terminated: 20140902

Sheet: 1
Elevation: MSL+1.34 m
Water Table: GL+0.35 m
Remarks: Wetland:Final casing depth GL-5m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value										
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0	20	40	60	80	100			
									From	To	C'ter			1st	2nd	3rd									
1	1.34	0.00	0.00		Clay	Brownish Grey	Very Soft	With few sea shell fragments, organic matter, mica fragments																	
2	-0.76	2.10	2.10						1.00	1.45	1.23	SPT-1	1	1	0	1	●								
3					Clay	Grey	Very Soft	With little sand. Sand is fine grained. With few organic matter.	2.00	2.45	2.23	SPT-2	0	0	0	0	●	Self Penetration by Hammer Weight							
4									3.00	3.45	3.23	SPT-3	0	0	0	0	●	Self Penetration by Hammer Weight							
5	-3.16	4.50							4.00	4.85	4.43	HP-1	REC:85/85												
6									5.00	5.45	5.23	SPT-4	3	1	1	2	●								
7					Silty Sand	Grey	Very Loose	Fine to medium grained sand With organic matter	6.00	6.50	6.25	D-1	REC:45/50												
8									6.50	7.00	6.75	D-2	REC:40/50												
9							7.50	Dense	Mostly fine grained sand. With trace of organic matter.	7.00	7.45	7.23	SPT-5r	48	15	23	25	●							
10										8.00	8.45	8.23	SPT-6r	21	8	10	11	●							
11							Medium Dense	Fine to medium grained sand. With trace of sea shell fragments	9.00	9.90	9.45	D-3	REC:90/90												
12	-10.66	12.00							10.00	10.45	10.23	SPT-7	16	3	6	10	●								
13	-11.46	12.80	0.80		Clay	Grey	Medium Stiff	With trace of sea shell fragments and mica fragments	12.00	12.80	12.40	D-4	REC:80/80												
14					Sandy Silt	Grey	Stiff to Very Stiff	Sand is fine to medium grained. With sea shell fragments, organic matter, mica fragments	13.00	13.45	13.23	SPT-9	8	4	4	4	●								
15									14.00	14.45	14.23	SPT-10	8	1	1	7	●								
16	-14.46	15.80							15.00	15.45	15.23	SPT-11	11	6	6	5	●								
17					Silty Sand	Grey	Medium Dense to Dense	Mostly fine grained sand	16.00	16.45	16.23	SPT-12	26	4	8	18	●								
18	-16.46	17.80							17.00	17.45	17.23	SPT-13	42	10	18	24	●								
19					Sandy Silt	Grey	Medium Stiff to Very Stiff	Sand is fine grained. With trace of sea shell fragments and organic matter. Occasionally clay with sand and silty sand. Clay with sand at 18.00 to 18.50m. Silty sand at 19.00 to 19.45m.	18.00	18.80	18.40	D-5	REC:80/80												
20									19.00	19.45	19.23	SPT-14	16	3	5	11	●								
21									20.00	20.45	20.23	SPT-15	4	1	0	4	●								
22	-20.46	21.80							21.00	21.45	21.23	SPT-16	16	8	7	9	●								
23									22.00	22.45	22.23	SPT-17	40	7	15	25	●								
24				3.65	Silty Sand	Grey	Dense to Very Dense	Mostly fine grained sand.	23.00	23.45	23.23	SPT-18	42	13	18	24	●								
25									24.00	24.45	24.23	SPT-19	59	10	23	36	●								
26	-24.11	25.45							25.00	25.45	25.23	SPT-20	56	11	21	35	●								
27					END OF BH																				
28																									
29																									
30																									
31																									

Fig.

Drilling Log

Hole Number:

PP-14-2

Project No. S27-14
Supervisor: Royal
Driller: Kowser
Type of Drilling Rig: Rotary:KJC-L-1

Project Name: **Matarbari PP**
Coordinate: N:2400120.09 E:383745.41
Date Started: 20140903
Date Terminated: 20140908

Sheet: 1
Elevation: MSL+1.02 m
Water Table: GL+0.45 m
Remarks: Wetland:Final casing depth GL-6m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value																				
									Depth in m	Sample No.	N-value blows/30cm	Blows per each 15 cm			0	20	40	60	80	100															
												From	To	C'ter							1st	2nd	3rd												
1	1.02	0.00	0.00		Clay	Grey	Medium Stiff	With organic matter	1.00	1.45	1.23	SPT-1	5	1	2	3	●																		
2	-0.48	1.50	1.50						2.00	2.45	2.23	SPT-2	0	0	0	0							0	0	0	0	0	0	0	0	0	0			
3					Clay	Grey	Very Soft	With little sand. Sand is fine grained. With organic matter	3.00	3.80	3.40	HP-1	REC:70/80					●	Self Penetration by Hammer Weight																
4									4.00	4.45	4.23	SPT-3	0	0	0	0	0								0	0	0	0	0	0	0	0	0		
5			6.30						5.00	5.45	5.23	SPT-4	1	0	0	1																			
6									6.00	6.80	6.40	HP-2	REC:70/80																						
7									7.00	7.45	7.23	SPT-5	0	0	0	0																			
8	-6.78	7.80							7.00	7.45	7.23	SPT-5	0	0	0	0																			
9			1.80		Clay	Grey	Medium Stiff	With little sand. Sand is fine grained.	8.00	8.45	8.23	SPT-6	7	3	3	4	●																		
10	-8.58	9.60							9.00	9.90	9.45	HP-3	REC:90/90																						
11			2.20		Silty Sand	Grey	Loose to Medium Dense	Fine grained sand	10.00	10.45	10.23	SPT-7	12	3	4	8	●																		
12	-10.78	11.80							11.00	11.45	11.23	SPT-8	8	1	1	7																			
13					Silty Sand	Grey	Medium Dense to Very Dense	Fine to medium grained sand. With few shell fragment. Occasionally sand and sandy silt. Sand at 12.50 to 13.00m. Sandy silt at 14.00 to 14.20m.	12.00	12.50	12.25	D	REC:0/50					●																	
14			4.00						12.50	13.40	12.95	D-1	REC:90/90																						
15									14.00	14.45	14.23	SPT-9	63	13	25	38																			
16	-14.78	15.80							15.00	15.45	15.23	SPT-10	15	5	7	8																			
17									16.00	16.80	16.40	D-2	REC:80/80																						
18			4.70						17.00	17.45	17.23	SPT-11	16	4	6	10																			
19				18.00	18.45	18.23	SPT-12	19	2	6	13																								
20				19.00	19.90	19.45	D-3	REC:90/90																											
21	-19.48	20.50			Clayey Sand	Grey to Yellowish Grey	Medium Dense	Fine grained sand.	20.00	20.45	20.23	SPT-13	18	4	8	10	●																		
22			-20.50						21.00	21.45	21.23	SPT-14	24	8	13	11																			
23	-21.68	22.70							22.00	22.50	22.25	D-4	REC:50/50																						
24					Silt	Grey	Very Stiff to Hard	With trace of fine grained sand and lenses of silty sand	23.00	23.45	23.23	SPT-15	23	4	9	14	●																		
25			10.75						24.00	24.45	24.23	SPT-16	57	10	23	34																			
26									25.00	25.45	25.23	SPT-17	55	10	22	33																			
27									26.00	26.45	26.23	SPT-18	52	7	21	31																			
28									27.00	27.45	27.23	SPT-19	36	8	14	22																			
29									28.00	28.45	28.23	SPT-20	52	14	22	30																			
30									29.00	29.45	29.23	SPT-21	60	18	27	33																			
31									30.00	30.45	30.23	SPT-22	62	11	24	38																			

Fig.		Drilling Log										Hole Number: PP-17-1										
Project No. S27-14		Project Name: Matarbari PP					Sheet: 1															
Supervisor: Royal		Coordinate: N:2400112.76 E:384144.80					Elevation: MSL+1.35 m															
Driller: Kowser		Date Started: 20140908					Water Table: GL+0.20 m															
Type of Drilling Rig: Rotary:KJC-L-1		Date Terminated: 20140910					Remarks: Wetland:Final casing depth GL-6m															
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value							
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100					
									From	To	C'ter			1st	2nd	3rd						
1	1.35	0.00	0.00		Clay	Grey	Very Soft	With trace of fine grained sand, sea shell fragments, organic matter and decomposed wood.	1.00	1.45	1.23	SPT-1	0	0	0	0	●	Self Penetration by Hammer Weight				
2				2.00					2.85	2.43	HP-1	REC:85/85										
3			5.90	3.00					3.45	3.23	SPT-2	0	0	0	0	●	Self Penetration by Hammer Weight					
4				4.00					4.45	4.23	SPT-3	0	0	0	0	●	Self Penetration by Hammer Weight					
5				5.00					5.85	5.43	HP-2	REC:85/85										
6	-4.55	5.90		6.00					6.45	6.23	SPT-4	1	0	0	1	●						
7				7.00	7.45	7.23	SPT-5	2	0	1	1	●										
8			3.10	8.00	8.85	8.43	HP-3	REC:85/85														
9	-7.65	9.00		9.00	9.45	9.23	SPT-6	3	1	1	2	●										
10				10.00	10.45	10.23	SPT-7	5	2	2	3	●										
11			4.70	11.00	11.45	11.23	SPT-8	6	2	3	3	●										
12				12.00	12.45	12.23	SPT-9	7	2	3	4	●										
13				13.00	13.45	13.23	SPT-10	4	1	1	3	●										
14	-12.35	13.70		14.00	14.45	14.23	SPT-11	14	2	5	9	●										
15				15.00	15.85	15.43	D-1	REC:60/85														
16			5.00	16.00	16.45	16.23	SPT-12	17	4	6	11	●										
17				17.00	17.45	17.23	SPT-13	20	5	3	17	●										
18				18.00	18.45	18.23	SPT-14	28	7	14	14	●										
19	-17.35	18.70		19.00	19.45	19.23	SPT-15	45	13	20	25	●										
20				20.00	20.45	20.23	SPT-16	45	11	22	23	●										
21				21.00	21.45	21.23	SPT-17	53	10	22	31	●										
22			7.75	22.00	22.45	22.23	SPT-18	52	12	26	26	●										
23				23.00	23.45	23.23	SPT-19	51	15	24	27	●										
24				24.00	24.45	24.23	SPT-20	52	18	28	24	●										
25				25.00	25.45	25.23	SPT-21	52	11	31	21	●										
26	-25.10	26.45		26.00	26.45	26.23	SPT-22	62	20	26	36	●										
27				END OF BH																		
28																						
29																						
30																						
31																						

Fig.		Drilling Log										Hole Number: PP-21-2														
Project No. S27-14		Project Name: Matarbari PP					Sheet: 1																			
Supervisor: Royal		Coordinate: N:2400114.87 E:384808.77					Elevation: MSL+1.12 m																			
Driller: Matab		Date Started: 20140915					Water Table: GL+0.30 m																			
Type of Drilling Rig: Rotary:KJC-L-1		Date Terminated: 20141007					Remarks: Wetland:Final casing depth GL-6m																			
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value											
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100									
									From	To	C'ter			1st	2nd	3rd										
1	1.12	0.00	1.80		Clay	Grey	Very Soft	With trace of fine grained sand, sea shell fragments, organic matter, decomposed wood	1.00	1.45	1.23	SPT-1	0	0	0	0	Self Penetration by Hammer Weight									
2	-0.68	1.80			Silty Clay	Grey	Very Soft	With trace of fine grained sand, organic matter and mica fragments	2.00	2.85	2.43	HP-1	REC:85/85													
3												3.00	3.45	3.23	SPT-2	1	1	0	1	Self Penetration by Hammer Weight						
4			4.20									4.00	4.45	4.23	SPT-3	0	0	0	0							
5												5.00	5.85	5.43	HP-2	REC:85/85										
6	-4.88	6.00							Sandy Silt	Grey	Very Soft	Sand is fine to medium grained. With organic matter, mica fragments	6.00	6.45	6.23	SPT-4	2	2	1	1						
7	-5.68	6.80	0.80													7.00	7.45	7.23	SPT-5	8	2	2	6			
8					Clayey Sand	Grey	Medium Dense	Fine to medium grained sand. With organic matter and mica fragments. Occasionally sandy clay pocket.	8.00	8.85	8.43	D-1	REC:85/85													
9												9.00	9.45	9.23	SPT-6	16	4	6	10							
10												10.00	10.45	10.23	SPT-7	12	3	4	8							
11			9.80									11.00	11.85	11.43	D-2	REC:70/85										
12												12.00	12.45	12.23	SPT-8	18	5	7	11							
13												13.00	13.45	13.23	SPT-9	17	5	7	10							
14												14.00	14.85	14.43	D-3	REC:70/85										
15	-12.48	13.60			Sandy Clay	Grey	Stiff	Sand is mostly fine grained. With trace of mica fragments.	15.00	15.45	15.23	SPT-10	13	2	5	8										
16	-14.48	15.60	2.00									16.00	16.45	16.23	SPT-11	20	4	6	14							
17			1.70		Silty Clay	Grey	Very Stiff	With trace of fine grained sand.	17.00	17.20	17.10	HP-3	REC:20/20													
18					Silt	Grey	Hard	With lots of fine grained sand and trace of organic matter. With lenses of silty sand. Occasionally clayey silt	17.20	17.65	17.43	SPT-12	57	16	25	32										
19												18.00	18.45	18.23	SPT-13	51	14	23	28							
20												19.00	19.45	19.23	SPT-14	62	12	24	38							
21												20.00	20.45	20.23	SPT-15	68	11	27	41							
22												21.00	21.45	21.23	SPT-16	70	18	23	47							
23												22.00	22.29	22.15	SPT-17	50	25	50		→						
24												23.00	23.45	23.23	SPT-18	77	19	32	45							
25			14.50									24.00	24.45	24.23	SPT-19	83	15	35	48							
26												25.00	25.45	25.23	SPT-20	68	12	25	43							
27												26.00	26.45	26.23	SPT-21	71	14	27	44							
28												27.00	27.45	27.23	SPT-22	81	11	27	54							
29												28.00	28.45	28.23	SPT-23	71	12	26	45							
30												29.00	29.45	29.23	SPT-24	75	11	25	50							
31								30.00	30.27	30.14	SPT-25	50	17	50		→										

Fig.		Drilling Log										Hole Number: PP-21-2										
Project No. S27-14		Project Name: Matarbari PP		Sheet: 2																		
Supervisor: Royal		Coordinate: N:2400114.87 E:384808.77		Elevation: MSL+1.12 m																		
Driller: Matab		Date Started: 20140915		Water Table: GL+0.30 m																		
Type of Drilling Rig: Rotary:KJC-L-1		Date Terminated: 20141007		Remarks: Wetland:Final casing depth GL-6m																		
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value							
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100					
									From	To	C'ter			1st	2nd	3rd						
31			14.50		Silt	Grey	Hard	With lenses of silty sand.	31.00	31.41	31.21	SPT-26	89	18	30	59	→					
32	-30.68	31.80							32.00	32.38	32.19	SPT-27	83	25	48	35	→					
33									33.00	33.30	33.15	SPT-28	56	21	56		→					
34			3.20		Silty Sand	Grey	Very Dense	Fine to medium grained sand.	34.00	34.26	34.13	SPT-29	50	25	50		→					
35	-33.88	35.00							35.00	35.36	35.18	SPT-30	100	24	50	50	→					
36	-34.88	36.00	1.00		Silt	Grey	Hard	With trace of fine grained sand	36.00	36.38	36.19	SPT-31	100	24	50	50	→					
37	-35.88	37.00	1.00		Sandy Silt	Grey	Hard	Sand is fine grained.	37.00	37.35	37.18	SPT-32	100	25	57	43	→					
38									38.00	38.31	38.16	SPT-33	100	25	58	42	→					
39																						
40									40.00	40.33	40.17	SPT-34	100	25	71	29	→					
41																						
42									42.00	42.33	42.17	SPT-35	84	26	68	16	→					
43																						
44			13.25		Silty Sand	Grey	Very Dense	Fine to medium grained sand. Occasionally sandy silt. Sandy silt at 44.00 to 44.30m.	44.00	44.30	44.15	SPT-36	53	47	53		→					
45																						
46									46.00	46.29	46.15	SPT-37	68	32	68		→					
47																						
48									48.00	48.29	48.15	SPT-38	50	30	50		→					
49																						
50	-49.13	50.25							50.00	50.25	50.13	SPT-39	52	48	52		→					
51					END OF BH																	
52																						
53																						
54																						
55																						
56																						
57																						
58																						
59																						
60																						
61																						

Fig.

Drilling Log

Hole Number:

PP3-15-1

Project No. S27-14
 Supervisor: Royal
 Driller: Matab
 Type of Drilling Rig: Rotary:KJC-L-1

Project Name: Matarbari PP
 Coordinate: N:2400362.64 E:383867.15
 Date Started: 20141027
 Date Terminated: 20141028

Sheet: 1
 Elevation: MSL+1.08 m
 Water Table: GL+0.30 m
 Remarks: Wetland:final casing depth GL-3m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value							
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100					
									From	To	C'ter			1st	2nd	3rd						
1	1.08	0.00	0.00		Clay	Grey	Very Soft	With little sand. Sand is fine grained. With sea shell fragments, organic matter	1.00	1.85	1.43	HP-1	REC:85/85									
2				2.00					2.45	2.23	SPT-1	0	0	0	● Self Penetration by Hammer Weight							
3			5.70	3.00					3.45	3.23	SPT-2	1	0	0	1	●						
4				4.00					4.75	4.38	HP-2	REC:75/75										
5				5.00					5.45	5.23	SPT-3	2	0	1	1	●						
6	-4.62	5.70			Silty Sand	Grey	Medium Dense	Fine to medium grained sand. With trace of sea shell fragments, organic matter, mica fragments	6.00	6.45	6.23	SPT-4	25	6	11	14	●					
7			1.75	7.00					7.45	7.23	SPT-5	26	5	12	14	●						
8	-6.37	7.45		END OF BH																		
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
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27																						
28																						
29																						
30																						
31																						

Fig.

Drilling Log

Hole Number:

PP3-15-2

Project No. S27-14
 Supervisor: Royal
 Driller: Matab
 Type of Drilling Rig: Rotary:KJC-L-1

Project Name: Matarbari PP
 Coordinate: N:2399802.40 E:383860.15
 Date Started: 20141107
 Date Terminated: 20141108

Sheet: 1
 Elevation: MSL+1.32 m
 Water Table: GL+0.10 m
 Remarks: Wetland:Final casing depth GL-7m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value												
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0	20	40	60	80	100					
									From	To	C'ter			1st	2nd	3rd											
1	1.32	0.00	0.00		Clay	Grey	Very Soft	With trace of fine grained sand, sea shell fragments, organic matter	1.00	1.50	1.25	HP-1	REC:50/50														
2	-0.48	1.80	0.00						2.00	2.85	2.43	HP-2	REC:80/85														
3	-2.38	3.70	1.90		Silt	Grey	Very Soft	With trace of fine grained sand.	3.00	3.45	3.23	SPT-1	0	0	0	0	●	Self Penetration by Hammer Weight									
4									4.00	4.45	4.23	SPT-2	0	0	0	0	●	Self Penetration by Hammer Weight									
5	-7.68	9.00	5.30		Clay	Grey	Very Soft	With few sand. Sand is fine grained. With sea shell fragments, and organic matter.	5.00	5.90	5.45	HP-3	REC:90/90														
6									6.00	6.45	6.23	SPT-3	0	0	0	0	●	Self Penetration by Hammer Weight									
7									7.00	7.45	7.23	SPT-4	0	0	0	0	●	Self Penetration by Hammer Weight									
8									8.00	8.90	8.45	HP-4	REC:85/90														
9									-9.98	11.30	2.30		Clayey Silt	Grey	Very Soft	With trace of fine grained sand, sea shell fragments, organic matter. Occasionally sandy silt.	9.15	9.45	9.30	SPT-5	2	0	1	1	●		
10	10.00	10.45	10.23	SPT-6	0	0	0	0	●	Self Penetration by Hammer Weight																	
11	-14.38	15.70	4.40		Sandy Clay	Grey	Stiff	With trace of fine grained sand, sea shell fragments, organic matter	11.00	11.90	11.45	HP-5	REC:80/90														
12									12.00	12.45	12.23	SPT-7	9	1	4	5	●										
13									13.00	13.45	13.23	SPT-8	4	1	2	2	●										
14									14.00	14.90	14.45	HP-6	REC:80/90														
15									15.00	15.45	15.23	SPT-9	12	2	6	6	●										
16	-16.13	17.45	1.85		Silty Sand	Grey	Dense	Fine grained sand. With sea shell fragments, organic matter, mica fragments	16.00	16.45	16.23	SPT-10	31	6	14	17	●										
17									17.00	17.45	17.23	SPT-11	29	7	10	19	●										
18					END OF BH																						
19																											
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Fig.		Drilling Log										Hole Number: PP3-19-2										
Project No. S27-14		Project Name: Matarbari PP					Sheet: 1															
Supervisor: Royal		Coordinate: N:2400120.46 E:384491.55					Elevation: MSL+0.87 m															
Driller: Kowser		Date Started: 20140910					Water Table: GL+0.55 m															
Type of Drilling Rig: Rotary:KJC-L-1		Date Terminated: 20140914					Remarks: Wetland:Final casing depth GL-5m															
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value							
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100					
									From	To	C'ter			1st	2nd	3rd						
1	0.87	0.00	0.00		Clay	Grey	Very Soft	With trace of fine grained sand, sea shell fragments organic matter and decomposed wood	1.00	1.45	1.23	SPT-1	0	0	0	0	●	Self Penetration by Hammer Weight				
2				2.00					2.45	2.23	SPT-2	0	0	0	0	●	Self Penetration by Hammer Weight					
3				3.00					3.85	3.43	HP-1	REC:85/85										
4			7.00	4.00					4.45	4.23	SPT-3	0	0	0	0	●	Self Penetration by Hammer Weight					
5				5.00					5.45	5.23	SPT-4	1	0	0	1	●						
6				6.00					6.90	6.45	HP-2	REC:90/90										
7	-6.13	7.00							Clayey Sand	Grey	Loose	Fine to medium grained sand. With trace of mica fragments	7.00	7.45	7.23	SPT-5	3	0	1	2	●	
8			4.00	8.00	8.45	8.23	SPT-6	5					1	2	3	●						
9				9.50	10.30	9.90	D-1	REC:75/80														
10					Clay	Grey	Medium Stiff to Very Stiff	With fine to medium grained sand and lenses of silt.	10.50	10.95	10.73	SPT-7	13	3	6	7	●					
11	-10.13	11.00		11.00					11.45	11.23	SPT-8	11	3	4	7	●						
12			2.90	12.00					12.45	12.23	SPT-9	4	1	1	3	●						
13					Clayey Sand	Grey	Medium Dense	Fine grained sand. With trace of mica fragments.	13.00	13.85	13.43	HP-3	REC:85/85									
14	-13.03	13.90		14.00					14.45	14.23	SPT-10	29	5	11	18	●						
15			3.00	15.00					15.45	15.23	SPT-11	20	4	8	12	●						
16					Silt	Grey	Hard	With trace of fine grained sand. Occasionally lenses of sand.	16.00	16.85	16.43	HP-4	REC:80/85									
17	-16.03	16.90		17.00					17.45	17.23	SPT-12	45	10	19	26	●						
18			14.60	18.00					18.44	18.22	SPT-13	100	12	32	68	●	→					
19					19.00	19.45	19.23	SPT-14	66	13	27	39	●									
20					20.00	20.45	20.23	SPT-15	63	18	25	38	●									
21					21.00	21.45	21.23	SPT-16	83	14	31	52	●									
22					22.00	22.45	22.23	SPT-17	73	33	35	38	●									
23					23.00	23.45	23.23	SPT-18	70	15	29	41	●									
24					24.00	24.45	24.23	SPT-19	56	11	23	33	●									
25					25.00	25.45	25.23	SPT-20	66	20	31	35	●									
26					26.00	26.45	26.23	SPT-21	100	23	44	56	●									
27					27.00	27.45	27.23	SPT-22	60	13	28	32	●									
28					28.00	28.45	28.23	SPT-23	52	11	21	31	●									
29					29.00	29.45	29.23	SPT-24	79	16	31	48	●									
30					30.00	30.35	30.18	SPT-25	100	13	47	53	●	→								
31									/20cm													

Fig.

Drilling Log

Hole Number:

PP3-23-1

Project No. S27-14
 Supervisor: Royal
 Driller: Matab
 Type of Drilling Rig: Rotary:KJC-L-1

Project Name: Matarbari PP
 Coordinate: N:2400362.68 E:385091.13
 Date Started: 20141020
 Date Terminated: 20141021

Sheet: 1
 Elevation: MSL+0.73 m
 Water Table: GL+0.30 m
 Remarks: Wetland:Final casing depth GL-3m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value											
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm												
									From	To	C'ter			1st	2nd	3rd	0	20	40	60	80	100				
1	0.73	0.00	0.00		Clay	Grey	Very Soft	With trace of fine grained sand, sea shell fragments, organic matter, mica fragments	1.00	1.85	1.43	HP-1		REC:85/85												
2			2.70																							
3	-1.97	2.70			Clay	Grey	Soft	With little sand. Sand is fine grained. With few organic matter, mica fragments.	2.00	2.45	2.23	SPT-1	0	0	0	0	●	Self Penetration by Hammer Weight								
4			3.00														2	1	1	1	●					
5					Clayey Sand	Grey	Loose to Medium Dense	Fine grained sand. With organic matter, mica fragments	4.00	4.85	4.43	HP-2		REC:80/80												
6	-4.97	5.70																								
7					Clayey Sand	Grey	Loose to Medium Dense	Fine grained sand. With organic matter, mica fragments	5.00	5.45	5.23	SPT-3	4	1	2	2	●									
8																										
9																										
10			7.75																							
11																										
12																										
13																										
14	-12.72	13.45																								
15										END OF BH																
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31																										

Fig.

Drilling Log

Hole Number:

PP3-23-2

Project No. S27-14
 Supervisor: Royal
 Driller: Matab
 Type of Drilling Rig: Rotary:KJC-L-1

Project Name: Matarbari PP
 Coordinate: N:2400120.44 E:385111.24
 Date Started: 20141008
 Date Terminated: 20141010

Sheet: 1
 Elevation: MSL+0.20 m
 Water Table: GL+0.70 m
 Remarks: Wetland:Final casing depth GL-2m

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value												
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100										
									From	To	C'ter			1st	2nd	3rd											
1	0.20	0.00	0.00		Silty Clay	Grey	Very Soft	With trace of fine grained sand, sea shell fragments and organic matter.	1.00	1.45	1.23	SPT-1	0	0	0	0	● Self Penetration by Hammer Weight										
2			2.50																								
3	-2.30	2.50			Sandy Clay	Grey	Medium Stiff	Sand is fine to medium grained. With trace of sea shell fragments, organic matter and mica fragments.	2.00	2.55	2.28	HP-1		REC:55/55													
4			4.20																								
5																											
6																											
7	-6.50	6.70																									
8																											
9																											
10																											
11			7.75							Clayey Sand	Grey	Medium Dense to Dense	Fine grained sand. With trace of organic matter and mica fragments.	7.00	7.45	7.23	SPT-5	13	1	5	8	●					
12																											
13																											
14																											
15	-14.25	14.45																									
16																											
17																											
18																											
19																											
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31																											

Fig.		Drilling Log										Hole Number: PP3-23-3												
Project No. S27-14		Project Name: Matarbari PP				Sheet: 1																		
Supervisor: Royal		Coordinate: N:2399786.85 E:385101.27				Elevation: MSL-0.15 m																		
Driller: Mizan		Date Started: 20141016				Water Table: GL+0.70 m																		
Type of Drilling Rig: Rotary:KJC-L-2		Date Terminated: 20141016				Remarks: River:Final casing depth GL-6m																		
Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test												
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			N-value							
									From	To	C'ter			1st	2nd	3rd	0	20	40	60	80	100		
1	-0.15	0.00	0.00		Clay	Grey	Very Soft	With trace of fine grained sand, sea shell fragments, organic matter	1.00	1.45	1.23	SPT-1	0	0	0	0	●	Self Penetration by Hammer Weight						
2									2.00	2.75	2.38	HP-1	REC:75/75											
3									3.00	3.45	3.23	SPT-2	0	0	0	0	●	Self Penetration by Hammer Weight						
4			6.70						4.00	4.45	4.23	SPT-3	0	0	0	0	●	Self Penetration by Hammer Weight						
5									5.00	5.75	5.38	HP-2	REC:75/75											
6									6.00	6.45	6.23	SPT-4	0	0	0	0	●	Self Penetration by Hammer Weight						
7	-6.85	6.70																						
8					Silty Sand	Grey	Medium Dense	Fine to medium grained sand. With trace of sea shell fragments, organic matter	7.00	7.45	7.23	SPT-5	11	1	5	6	●							
9			2.75						8.00	8.45	8.23	SPT-6	23	2	10	13	●							
10	-9.60	9.45							9.00	9.45	9.23	SPT-7	23	7	11	12	●							
11					END OF BH																			
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Fig.

Drilling Log

Hole Number:

PP3-24-2



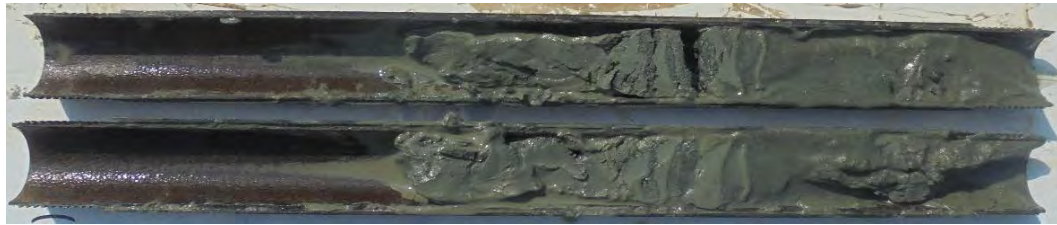




Project No. S27-14
 Supervisor: Royal
 Driller: Matab
 Type of Drilling Rig: Rotary:KJC-L-1

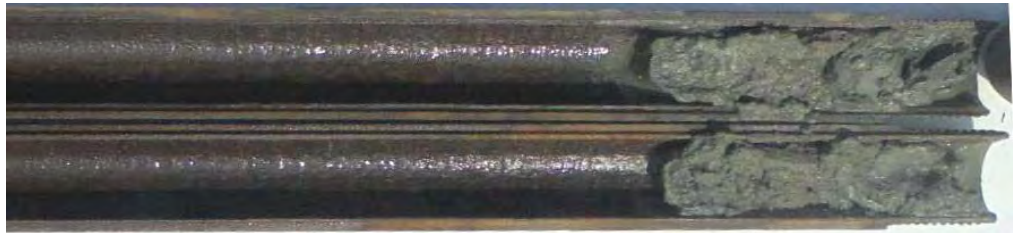


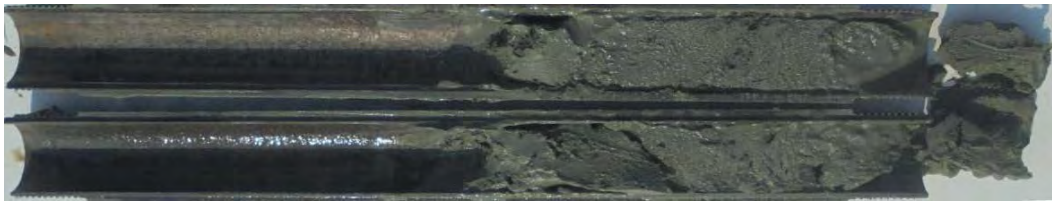
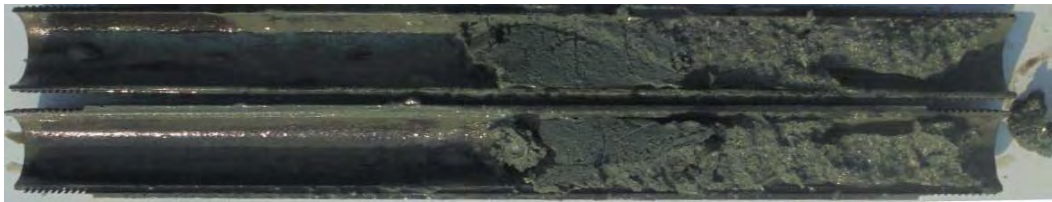
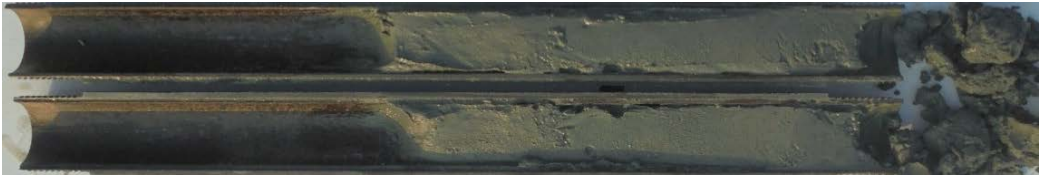

Project Name: Matarbari PP
 Coordinate: N:2399904.30 E:385281.19
 Date Started: 20141018
 Date Terminated: 20141019

Sheet: 1
 Elevation: MSL+0.89 m
 Water Table: GL+0.55 m
 Remarks: Wetland:Final casing depth GL-4m


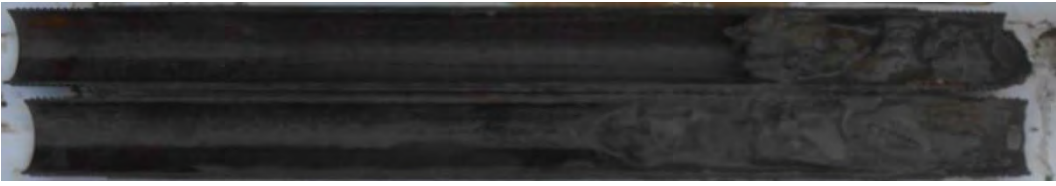

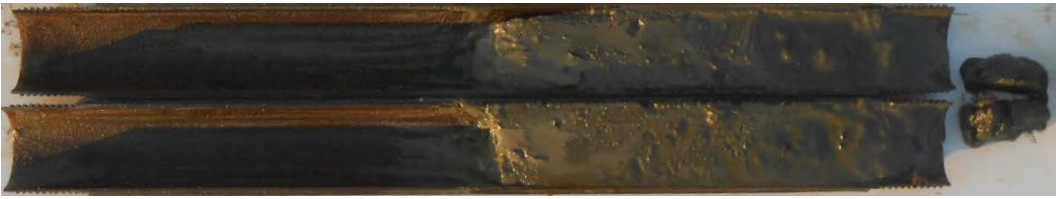

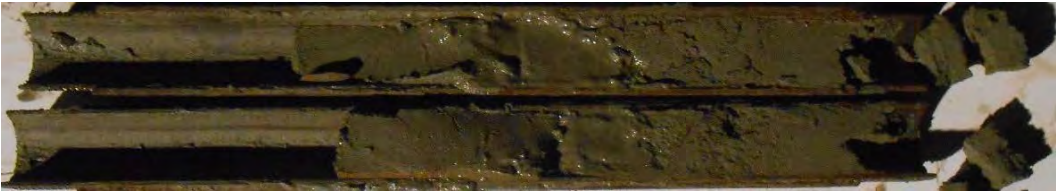

Scale in m	Elevation in m	Depth in m	Thickness in m	Legend	Type of Soil	Color	Relative Density or Consistency	General Remarks	Sampling			Standard Penetration Test			N-value							
									Depth in m			Sample No.	N-value blows/30cm	Blows per each 15 cm			0 20 40 60 80 100					
									From	To	C'ter			1st	2nd	3rd						
1	0.89	0.00	0.00		Clay	Brownish Grey	Medium Stiff	With trace of fine grained sand, sea shell fragments, organic matter	1.00	1.45	1.23	SPT-1	5	2	2	3	●					
2	-0.71	1.60	1.60						2.00	2.70	2.35	HP-1	REC:70/70									
3			2.90		Clay	Grey	Very Soft	With trace of fine grained sand, sea shell fragments, organic matter	3.00	3.45	3.23	SPT-2	0	0	0	0	● Self Penetration by Hammer Weight					
4									4.00	4.45	4.23	SPT-3	3	0	1	2	●					
5	-3.61	4.50							5.00	5.85	5.43	HP-2	REC:85/85									
6			3.20		Clay	Grey	Soft	With traces of sea shell fragments, mica fragments	6.00	6.45	6.23	SPT-4	2	1	1	1	●					
7									7.00	7.45	7.23	SPT-5	3	1	1	2	●					
8	-6.81	7.70			Sandy Clay	Grey	Medium Stiff	Sand is fine grained. With trace of sea shell fragments, mica fragments	8.00	8.45	8.23	SPT-6	7	2	3	4	●					
9			1.80						9.00	9.85	9.43	D-1	REC:75/85									
10	-8.61	9.50			Silty Sand	Grey	Medium Dense to Dense	Fine grained sand. With trace of sea shell fragments, mica fragments	10.00	10.45	10.23	SPT-7	15	3	7	8	●					
11			2.95						11.00	11.45	11.23	SPT-8	37	11	16	21	●					
12	-11.56	12.45							12.00	12.45	12.23	SPT-9	38	13	16	22	●					
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6. Photograph of SPT Samples






Photograph of SPT Samples	Borehole No:	OF-02-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	

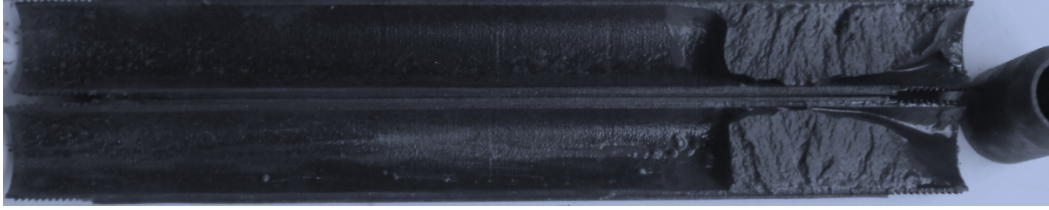
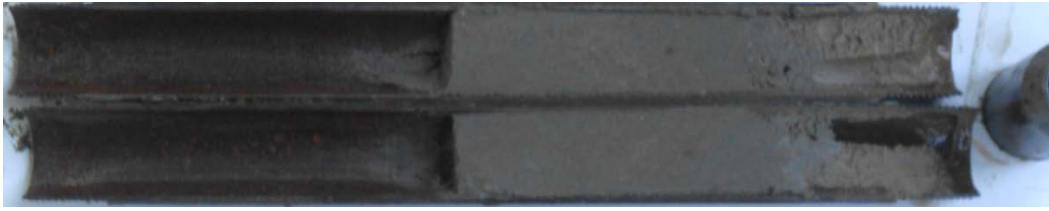
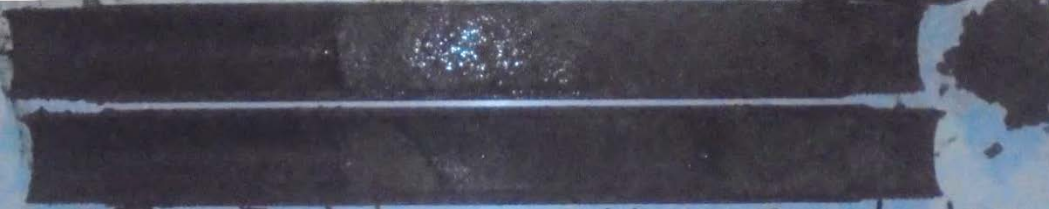




Photograph of SPT Samples	Borehole No:	OF-03-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	

Photograph of SPT Samples	Borehole No:	OF-03-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	




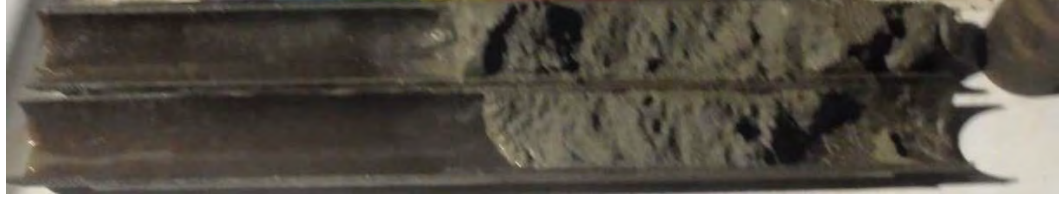
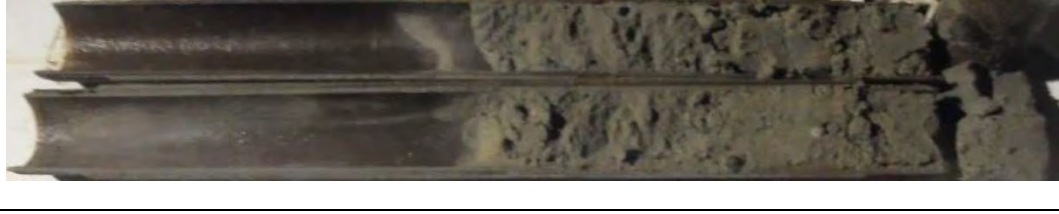


Photograph of SPT Samples	Borehole No:	OF-03-1a
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 2.00m to 2.45m	
	SPT-3 3.00m to 3.45m	
	SPT-4 5.00m to 5.45m	
	SPT-5 6.00m to 6.45m	
	SPT-6 8.00m to 8.45m	
	SPT-7 9.00m to 9.45m	



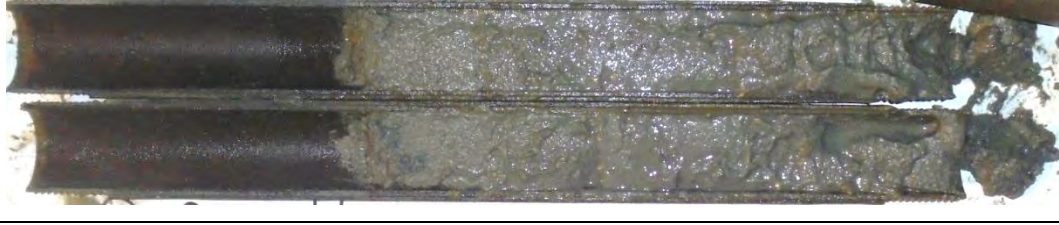

Photograph of SPT Samples	Borehole No:	OF-03-1b
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	








Photograph of SPT Samples	Borehole No:	OF-03-1c
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 5.00m to 5.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	


Photograph of SPT Samples	Borehole No:	OF-04-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 6.00m to 6.45m	
	SPT-4 7.00m to 7.45m	
	SPT-5 9.00m to 9.45m	
	SPT-6 10.00m to 10.45m	
	SPT-7 12.00m to 12.45m	







Photograph of SPT Samples	Borehole No:	OF-04-1
	Sheet No:	(2)
Photographs		Sample No. / Depth
		SPT-8 13.00m to 13.45m






Photograph of SPT Samples	Borehole No:	OF-04-2
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1	1.00m to 1.45m
	SPT-2	3.00 to 3.45m
	SPT-3	4.00 to 4.45m
	SPT-4	6.00 to 6.45m
	SPT-5	7.00 to 7.45m
	SPT-6	9.00 to 9.45m
	SPT-7	10.00 to 10.45m




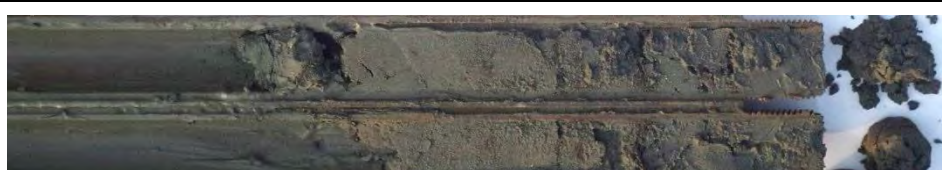

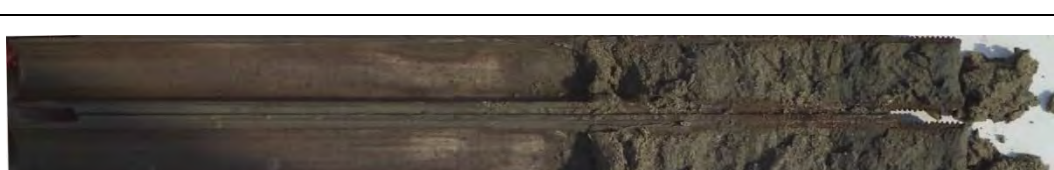
Photograph of SPT Samples	Borehole No:	OF-04-2
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00 to 12.45m	
	SPT-9 13.00 to 13.45m	
	SPT-10 15.00 to 15.45m	
	SPT-11 16.00 to 16.45m	






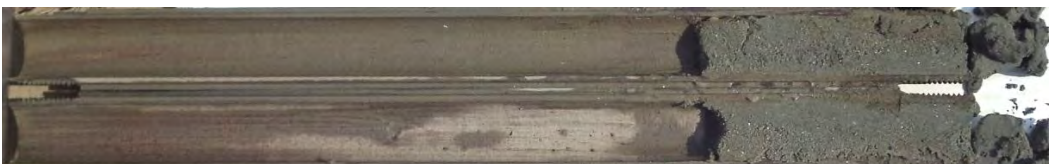

Photograph of SPT Samples	Borehole No:	OF-04-3
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 2.00m to 2.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 5.00m to 5.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 8.00m to 8.45m	
	SPT-7 10.00m to 10.45m	





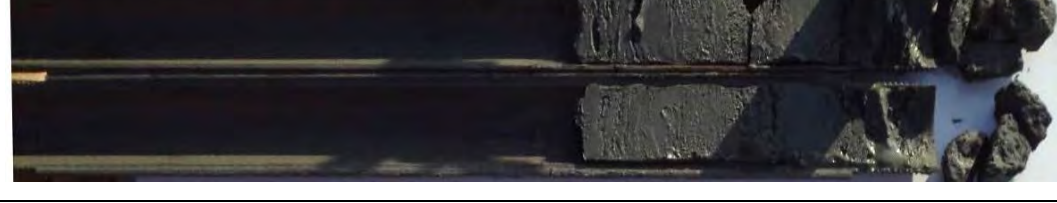


Photograph of SPT Samples	Borehole No:	OF-04-3
	Sheet No:	(2)
Photographs	Sample No. / Depth	
No Photo	SPT-8 11.00m to 11.45m	
	SPT-9 13.00m to 13.45m	




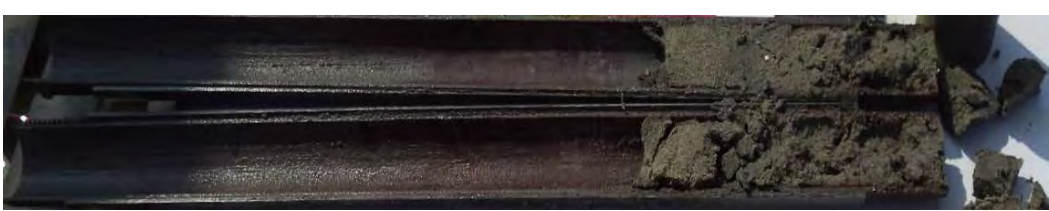
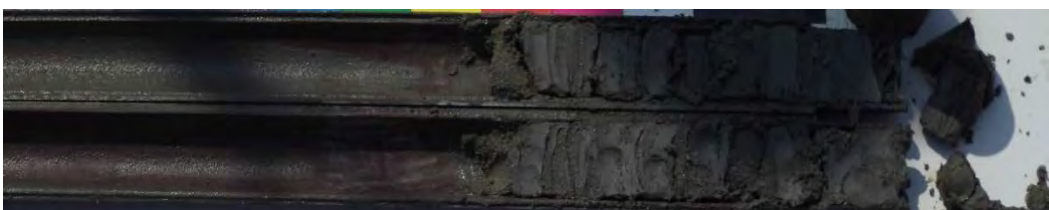

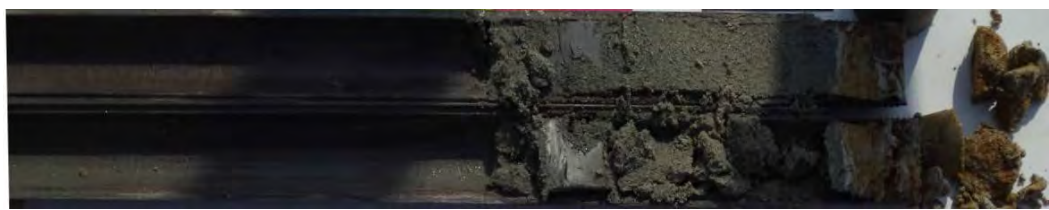
Photograph of SPT Samples	Borehole No:	OF-05-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 4.00m to 4.45m	
	SPT-3 5.00m to 5.45m	
	SPT-4 7.00m to 7.45m	
	SPT-5 8.00m to 8.45m	
	SPT-6 10.00m to 10.45m	
No photo	SPT-7 11.00 to 11.45m	

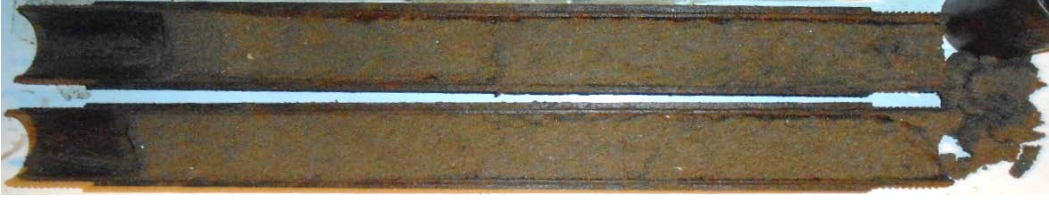






Photograph of SPT Samples	Borehole No:	OF-05-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 13.00m to 13.45m	
	SPT-9 14.00m to 14.45m	
	SPT-10 16.00m to 16.45m	
	SPT-11 17.00m to 17.45m	
	SPT-12 19.00m to 19.45m	








Photograph of SPT Samples		Borehole No:	OF-05-1a
		Sheet No:	(1)
Photographs		Sample No. / Depth	
No recovery		SPT-1 1.00m to 1.45m	
		SPT-2 1.50m to 1.95m	
		SPT-3 2.00m to 2.45m	
		SPT-4 3.00m to 3.45m	
		SPT-5 6.00m to 6.45m	
		SPT-6 7.00m to 7.45m	
		SPT-7 9.00m to 9.45m	

Photograph of SPT Samples	Borehole No:	OF-05-1a
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 10.00m to 10.45m	
	SPT-9 12.00m to 12.45m	
	SPT-10 13.00m to 13.45m	
	SPT-11 14.00m to 14.45m	
	SPT-12 16.00m to 16.45m	
	SPT-13 17.00m to 17.45m	
	SPT-14 19.00m to 19.45m	



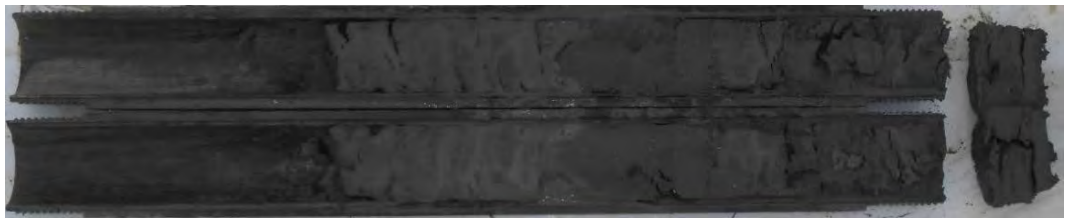




Photograph of SPT Samples	Borehole No:	OF-05-1b
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 2.00m to 2.45m	
	SPT-3 3.00m to 3.45m	
	SPT-4 4.00m to 4.45m	
	SPT-5 5.00m to 5.45m	
	SPT-6 6.00m to 6.45m	
	SPT-7 8.00m to 8.45m	



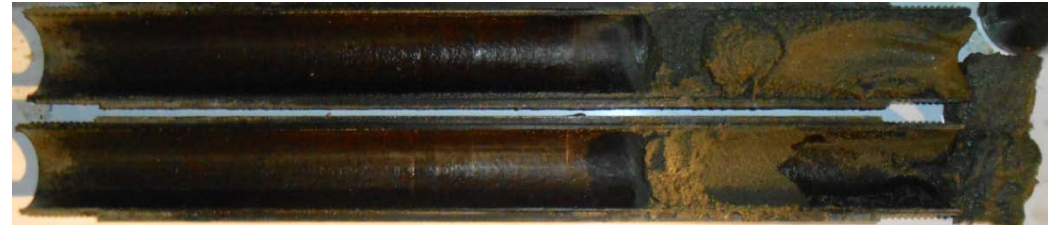




Photograph of SPT Samples	Borehole No:	OF-05-1b
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 9.00m to 9.45m	
	SPT-9 11.00m to 11.45m	
	SPT-10 12.00m to 12.45m	
	SPT-11 14.00m to 14.45m	
	SPT-12 15.00m to 15.45m	
	SPT-13 17.00m to 17.45m	
	SPT-14 18.00m to 18.45m	





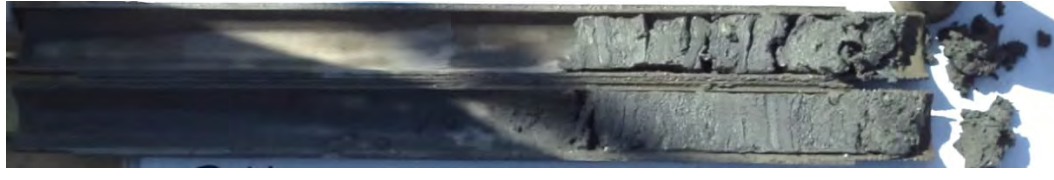


Photograph of SPT Samples	Borehole No:	OF-05-2
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1	2.00m to 2.45m
	SPT-2	4.00m to 4.45m
	SPT-3	6.00m to 6.45m
	SPT-4	8.00m to 8.45m
	SPT-5	9.00m to 9.45m
	SPT-6	12.00m to 12.45m
	SPT-7	13.00m to 13.45m









Photograph of SPT Samples	Borehole No:	OF-05-2
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 15.00m to 15.45m	
	SPT-9 16.00m to 16.45m	
	SPT-10 18.00m to 18.45m	
	SPT-11 19.00m to 19.45m	
	SPT-12 21.00m to 21.45m	
	SPT-13 22.00m to 22.45m	
	SPT-14 24.00m to 24.45m	








Photograph of SPT Samples	Borehole No:	OF-05-2
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 26.00m to 26.45m	









Photograph of SPT Samples	Borehole No:	OF-05-3
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	








Photograph of SPT Samples	Borehole No:	OF-05-3
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 15.00m to 15.45m	
	SPT-11 16.00m to 16.45m	
	SPT-12 18.00m to 18.45m	
	SPT-13 19.00m to 19.45m	
	SPT-14 21.00m to 21.45m	





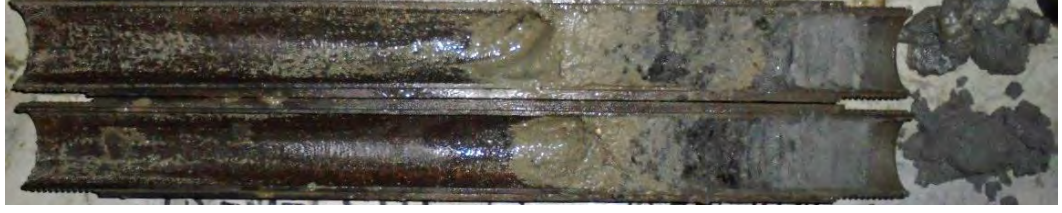


Photograph of SPT Samples	Borehole No:	OF-05-3a
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 2.00m to 2.45m	
	SPT-3 3.00m to 3.45m	
	SPT-4 4.00m to 4.45m	
	SPT-5 5.00m to 5.45m	
No photo	SPT-6 6.00m to 6.45m	
No photo	SPT-7 7.00m to 7.45m	
	SPT-8 8.00m to 8.45m	
	SPT-9 9.00m to 9.45m	

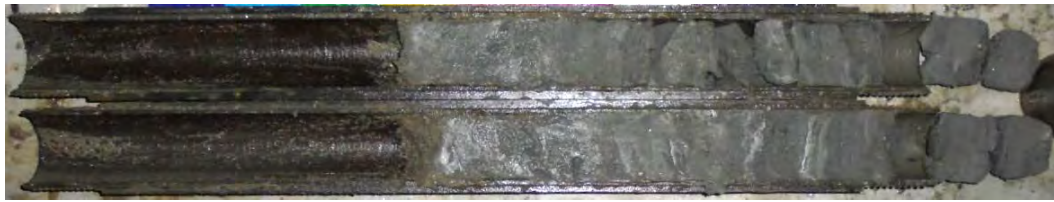



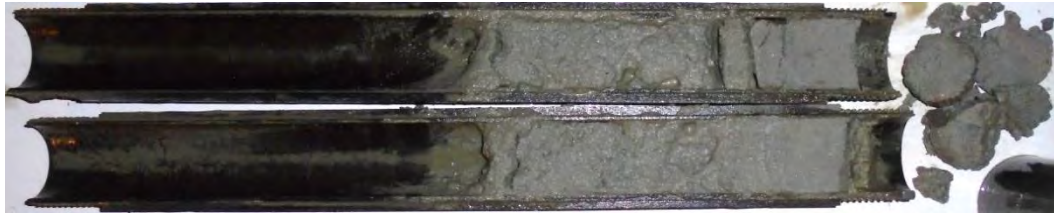
Photograph of SPT Samples	Borehole No:	OF-05-3a
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-10 11.00m to 11.45m	
	SPT-11 12.00m to 12.45m	
	SPT-12 14.00m to 14.45m	
	SPT-13 15.00m to 15.45m	
	SPT-14 16.00m to 16.45m	
	SPT-15 17.00m to 17.45m	
	SPT-16 18.00m to 18.45m	
	SPT-17 20.00m to 20.45m	




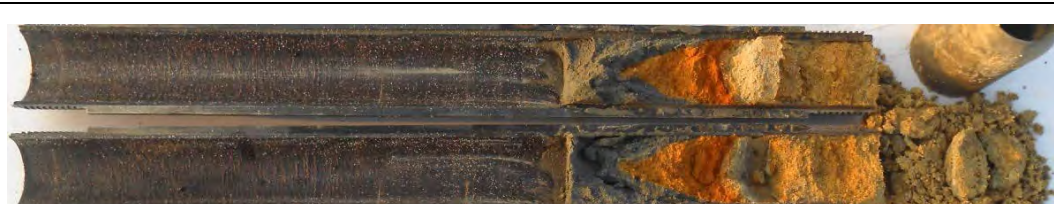

Photograph of SPT Samples	Borehole No:	OF-05-3b
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 2.00m to 2.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 5.00m to 5.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 8.00m to 8.45m	
	SPT-7 11.00m to 11.45m	


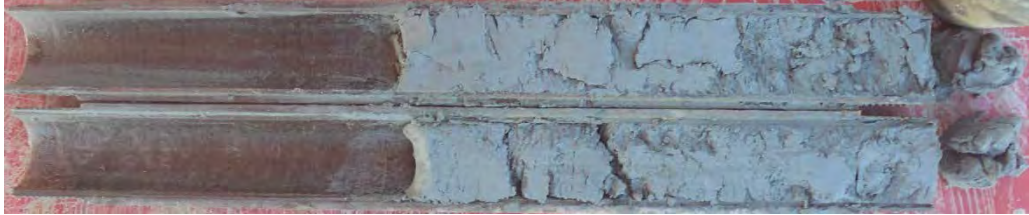

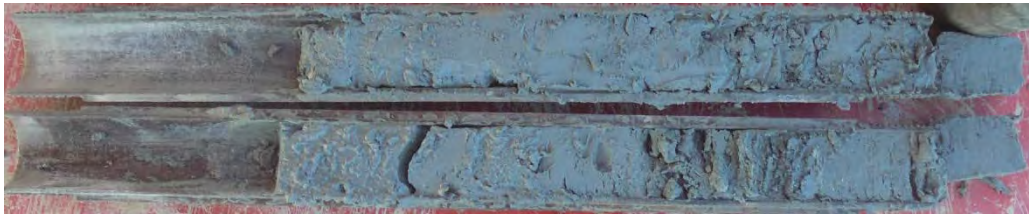



Photograph of SPT Samples	Borehole No:	OF-05-3b
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.26m	
	SPT-10 14.00m to 14.26m	
	SPT-11 15.00m to 15.23m	
	SPT-12 16.00m to 16.26m	
	SPT-13 17.00m to 17.45m	
	SPT-14 18.00m to 18.45m	
	SPT-15 19.00m to 19.45m	


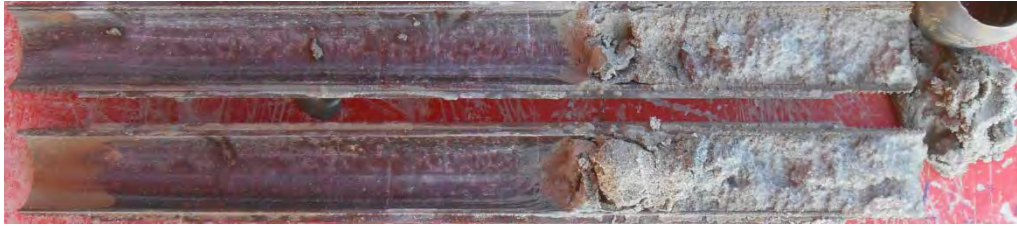





Photograph of SPT Samples	Borehole No:	LD-12-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	

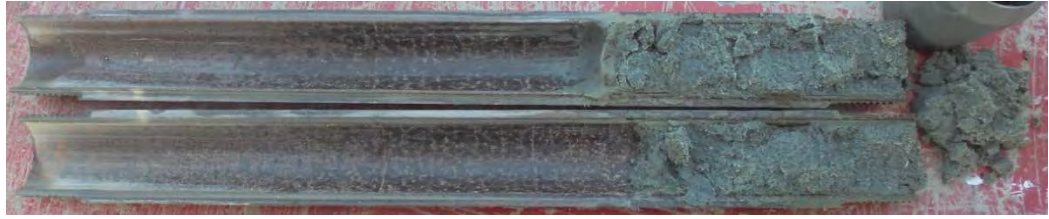
Photograph of SPT Samples	Borehole No:	LD-12-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 15.00m to 15.45m	
	SPT-11 16.00m to 16.45m	
	SPT-12 18.00m to 18.45m	
	SPT-13 19.00m to 19.45m	
	SPT-14 20.00m to 20.45m	



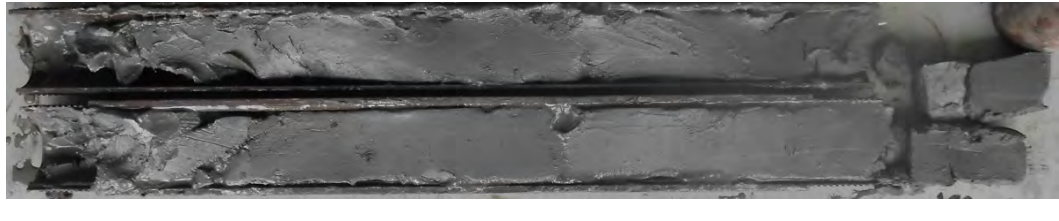



Photograph of SPT Samples	Borehole No:	LD-12-1
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 21.00m to 21.45m	
	SPT-16 24.00m to 24.45m	
	SPT-17 25.00 to 25.45m	
No Photo	SPT-18 26.00 to 26.45m	
	SPT-19 27.00 to 27.45m	
No Photo	SPT-20 28.00 to 28.45m	
	SPT-21 29.00 to 29.45m	







Photograph of SPT Samples	Borehole No:	LD-12-1
	Sheet No:	(4)
Photographs	Sample No. / Depth	
	SPT-22 30.00m to 30.45m	
	SPT-23 31.00m to 31.30m	
	SPT-24 32.00 to 32.45m	
	SPT-25 33.00 to 33.45m	
	SPT-26 34.00 to 34.30m	








<h1>Photograph of SPT Samples</h1>	Borehole No:	LD2-10a-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	




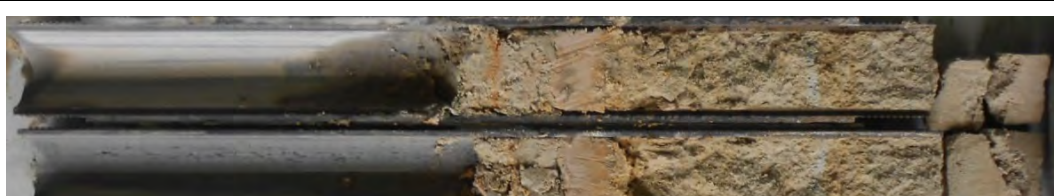


Photograph of SPT Samples	Borehole No:	LD2-10a-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 14.00m to 14.29m	
	SPT-11 15.00m to 15.45m	
	SPT-12 17.00m to 17.45m	
	SPT-13 18.00m to 18.45m	
	SPT-14 20.00m to 20.45m	

Photograph of SPT Samples	Borehole No:	LD2-10a-1
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 21.00m to 21.30m	




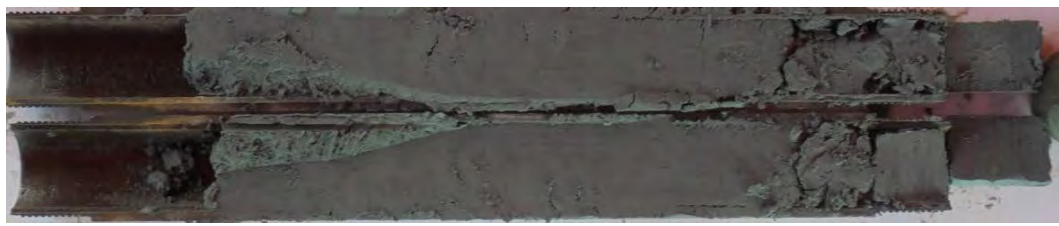

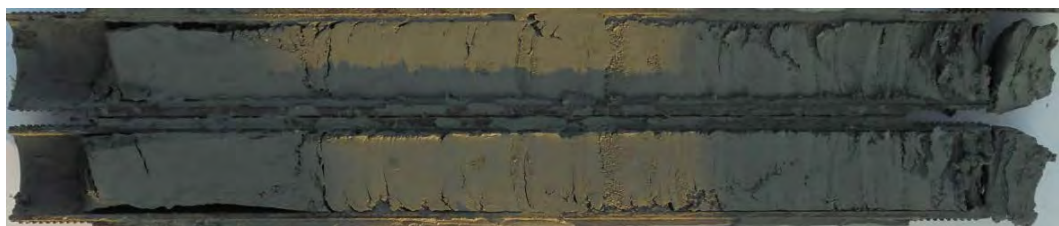

Photograph of SPT Samples	Borehole No:	LD2-11-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1	1.00m to 1.45m
	SPT-2	3.00m to 3.45m
	SPT-3	4.00m to 4.45m
	SPT-4	6.00m to 6.45m
	SPT-5	7.00m to 7.45m
	SPT-6	9.00m to 9.45m
No Photo	SPT-7	10.00m to 10.45m

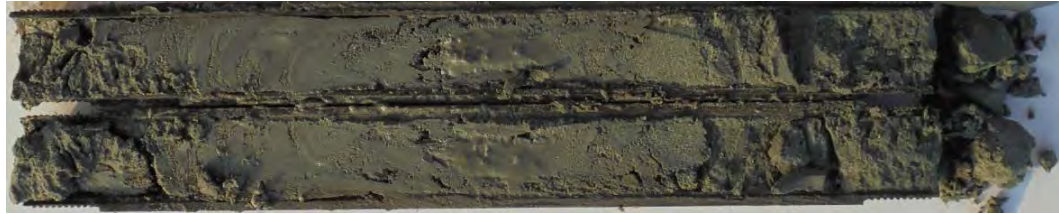




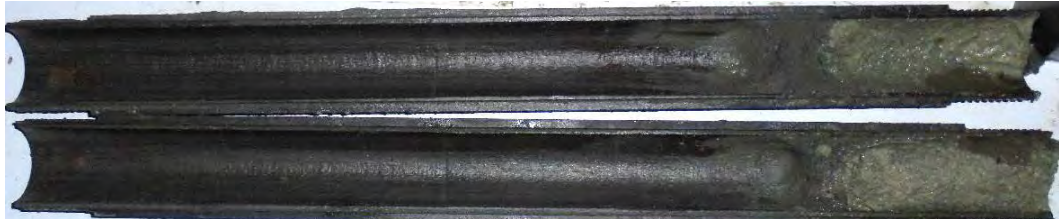
Photograph of SPT Samples	Borehole No:	LD2-11-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 15.00m to 15.45m	
No Photo	SPT-11 16.00m to 16.45m	
	SPT-12 18.00m to 18.45m	
	SPT-13 19.00m to 19.45m	
	SPT-14 21.00m to 21.45m	








Photograph of SPT Samples	Borehole No:	LD2-11-1
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 22.00m to 22.45m	
	SPT-16 23.00m to 23.45m	
	SPT-17 24.00m to 24.45m	
	SPT-18 25.00m to 25.45m	
	SPT-19 26.00m to 26.45m	
	SPT-20 27.00m to 27.45m	
	SPT-21 28.00m to 28.45m	








Photograph of SPT Samples	Borehole No:	LD2-11-1
	Sheet No:	(4)
Photographs	Sample No. / Depth	
No Photo	SPT-22 29.00m to 29.45m	
	SPT-23 30.00m to 30.45m	
	SPT-24 31.00m to 31.45m	
	SPT-25 32.00m to 32.45m	
	SPT-26 33.00m to 33.45m	
	SPT-27 34.00m to 34.45m	
	SPT-28 35.00m to 35.45m	

Photograph of SPT Samples	Borehole No:	LD2-11-1
	Sheet No:	(5)
Photographs	Sample No. / Depth	
	SPT-29 36.00m to 36.45m	
	SPT-30 37.00m to 37.45m	
	SPT-31 38.00m to 38.45m	
	SPT-32 39.00m to 39.30m	








Photograph of SPT Samples	Borehole No:	LD2-11-1a
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	

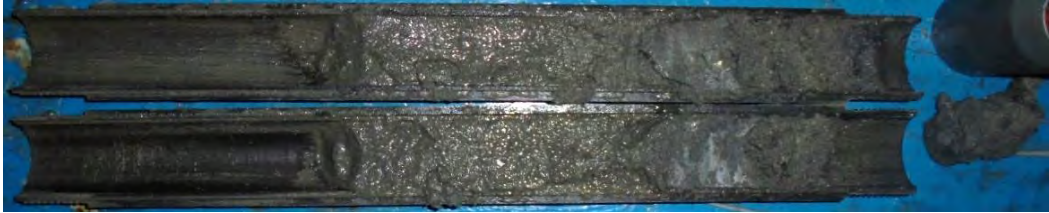

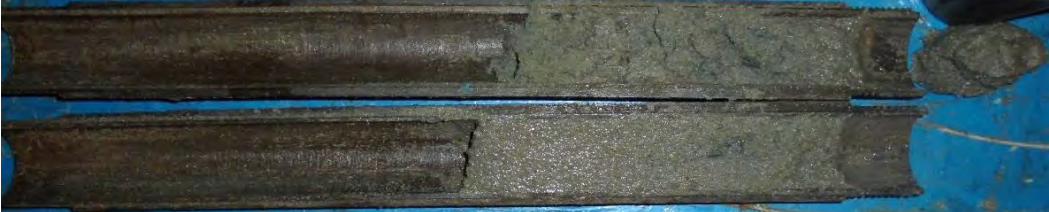

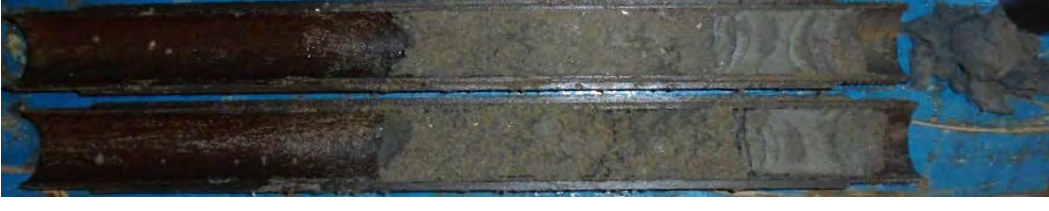


Photograph of SPT Samples	Borehole No:	LD2-11-1a
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
No Photo	SPT-9 13.00m to 13.45m	
	SPT-10 15.00m to 15.45m	
	SPT-11 16.00m to 16.45m	
	SPT-12 18.00m to 18.45m	
	SPT-13 19.00m to 19.45m	
	SPT-14 21.00m to 21.45m	

Photograph of SPT Samples	Borehole No:	LD2-11-1b
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 7.00m to 7.45m	
	SPT-5 8.00m to 8.45m	
	SPT-6 10.00m to 10.45m	
	SPT-7 11.00m to 11.45m	






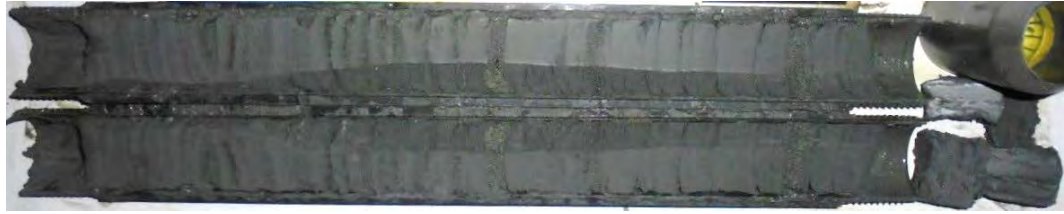

Photograph of SPT Samples	Borehole No:	LD2-11-1b
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 13.00m to 13.45m	
	SPT-9 14.00m to 14.45m	
	SPT-10 16.00m to 16.45m	
	SPT-11 17.00m to 17.45m	
	SPT-12 19.00m to 19.45m	
	SPT-13 20.00m to 20.45m	
	SPT-14 21.00m to 21.45m	








Photograph of SPT Samples	Borehole No:	LD2-11-1b
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 22.00m to 22.45m	

<h1>Photograph of SPT Samples</h1>	Borehole No:	LD2-12-1a
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1	1.00m to 1.45m
	SPT-2	3.00m to 3.45m
	SPT-3	4.00m to 4.45m
	SPT-4	5.20m to 5.65m
	SPT-5	7.00m to 7.45m
	SPT-6	8.00m to 8.45m
	SPT-7	10.00m to 10.45m





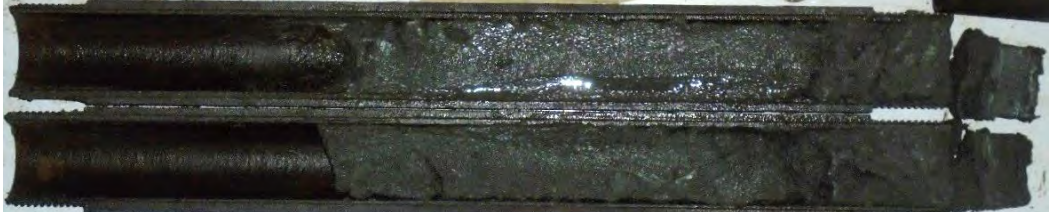

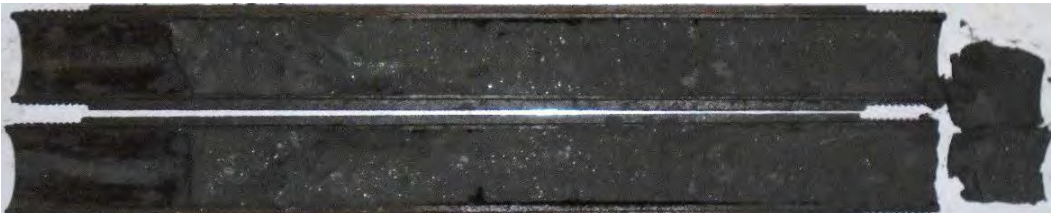
Photograph of SPT Samples	Borehole No:	LD2-12-1a
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 14.00m to 14.45m	
	SPT-11 16.00m to 16.45m	
	SPT-12 17.00m to 17.45m	
	SPT-13 19.00m to 19.45m	
	SPT-14 20.00m to 20.45m	








Photograph of SPT Samples	Borehole No:	LD2-12-1a
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 21.00m to 21.45m	
	SPT-16 22.00m to 22.45m	

Photograph of SPT Samples	Borehole No:	LD2-12-1b
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1	1.00m to 1.45m
	SPT-2	2.00m to 2.45m
	SPT-3	4.00m to 4.45m
	SPT-4	5.00m to 5.45m
	SPT-5	7.00m to 7.45m
	SPT-6	8.00m to 8.45m
	SPT-7	10.00m to 10.45m

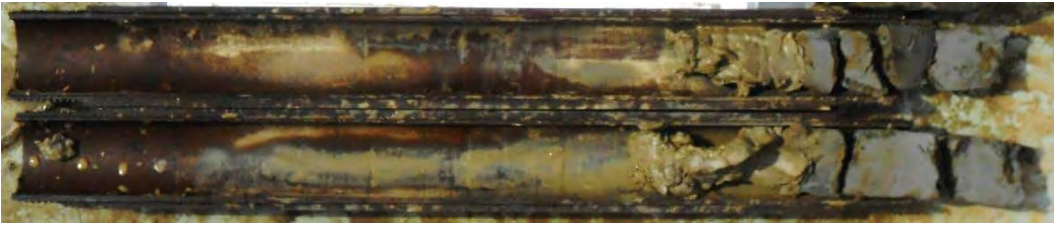
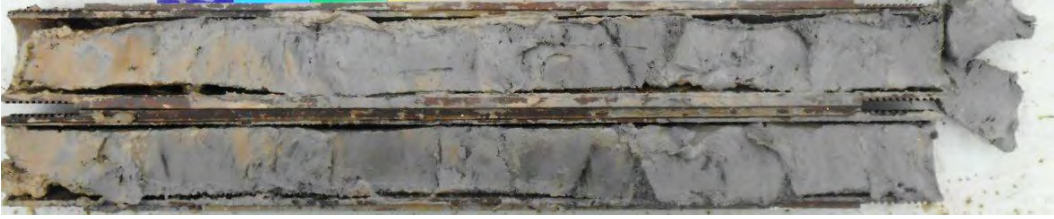


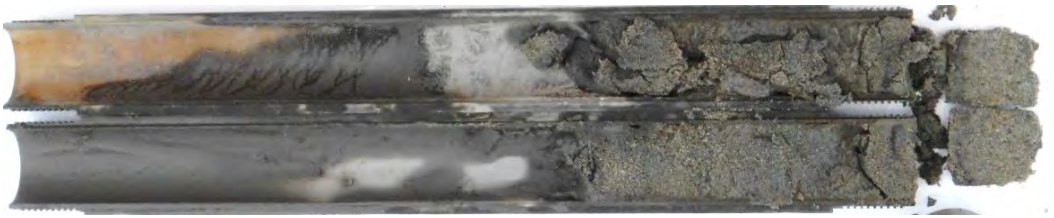

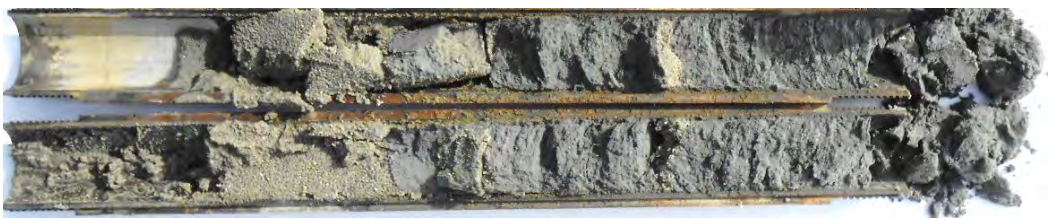
Photograph of SPT Samples	Borehole No:	LD2-12-1b
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 14.00m to 14.45m	
	SPT-11 16.00m to 16.45m	
	SPT-12 17.00m to 17.45m	
	SPT-13 19.00m to 19.45m	
	SPT-14 20.00m to 20.45m	

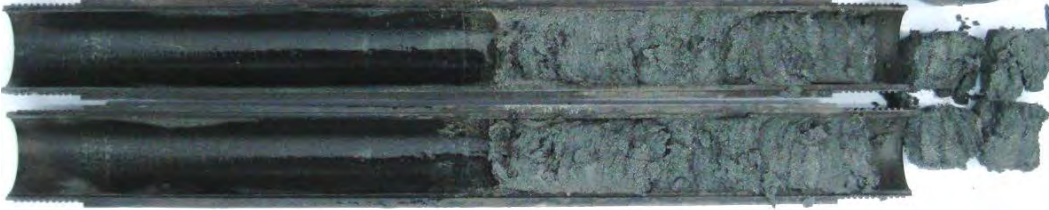
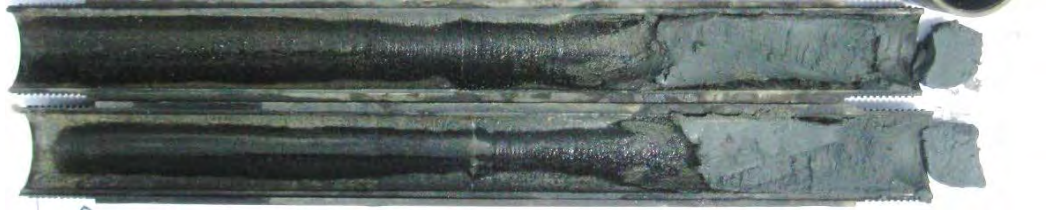

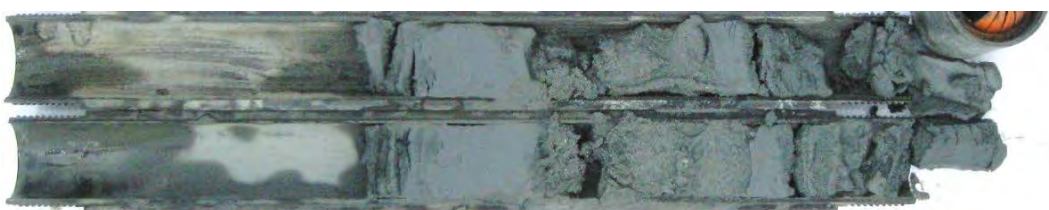
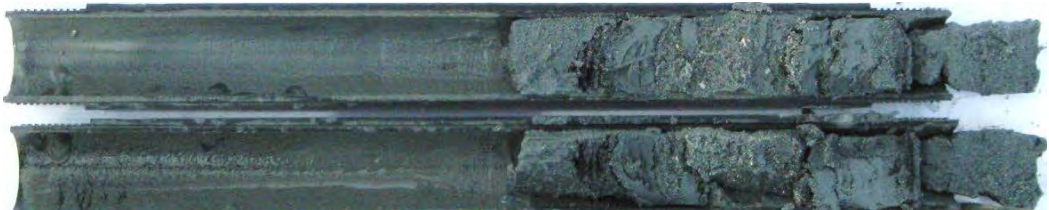


Photograph of SPT Samples	Borehole No:	LD2-12-1b
	Sheet No.:	(3)
Photographs	Sample No. / Depth	
	SPT-15 23.00m to 23.45m	






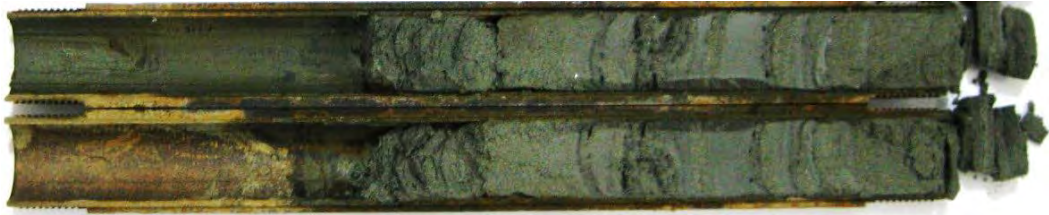
Photograph of SPT Samples	Borehole No:	LD2-13-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	





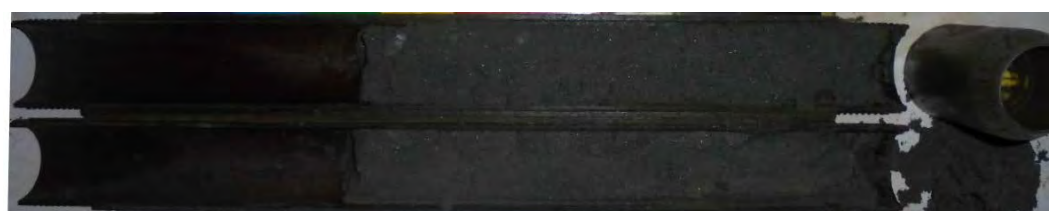
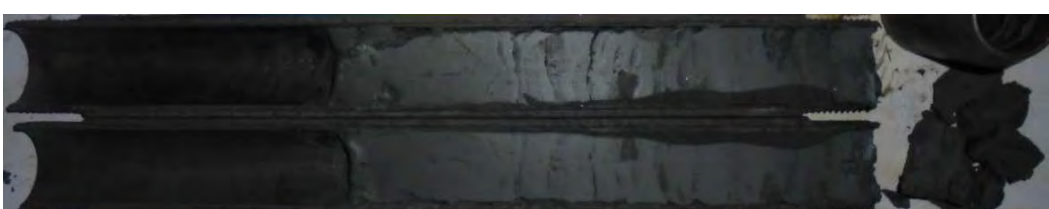
Photograph of SPT Samples	Borehole No:	LD2-13-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 15.00m to 15.45m	
	SPT-11 16.00m to 16.45m	
	SPT-12 18.00m to 18.45m	
	SPT-13 19.00m to 19.45m	
	SPT-14 20.00m to 20.45m	



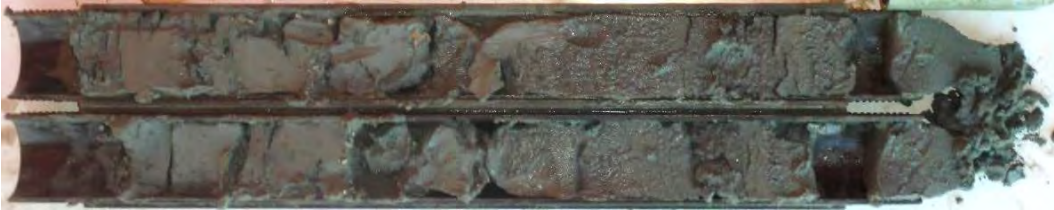




Photograph of SPT Samples	Borehole No:	LD2-13-1
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 21.00m to 21.45m	
	SPT-16 22.00m to 22.45m	

<h1>Photograph of SPT Samples</h1>	Borehole No:	LD2-13-2
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1	1.00m to 1.45m
	SPT-2	2.00m to 2.45m
	SPT-3	3.00m to 3.45m
	SPT-4	5.00m to 5.45m
	SPT-5r	7.00m to 7.45m
	SPT-6r	8.00m to 8.45m
	SPT-7	10.00m to 10.45m







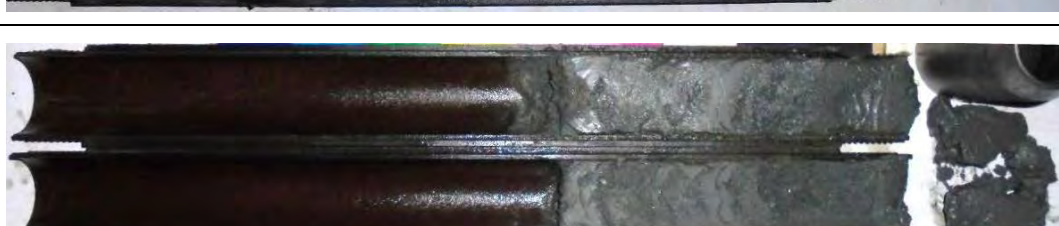
Photograph of SPT Samples	Borehole No:	LD2-13-2
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 14.00m to 14.45m	
	SPT-11 15.00m to 15.45m	
	SPT-12 16.00m to 16.45m	
	SPT-13 17.00m to 17.45m	
	SPT-14 19.00m to 19.45m	







Photograph of SPT Samples	Borehole No:	LD2-13-2
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 20.00m to 20.45m	
	SPT-16 21.00m to 21.45m	
	SPT-17 22.00m to 22.45m	
	SPT-18 23.00m to 23.45m	
	SPT-19 24.00m to 24.45m	
	SPT-20 25.00m to 25.45m	







Photograph of SPT Samples	Borehole No:	LD2-13-3
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 2.00m to 2.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 5.00m to 5.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 8.00m to 8.45m	
No Photo	SPT-7 10.00m to 10.45m	



Photograph of SPT Samples	Borehole No:	LD2-13-3
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
	SPT-9 13.50m to 13.95m	
	SPT-10 14.50m to 14.95m	
	SPT-11 16.50 to 16.95m	
	SPT-12 17.50m to 17.95m	
	SPT-13 19.50m to 19.95m	
	SPT-14 20.50m to 20.95m	






Photograph of SPT Samples	Borehole No:	LD2-13-3
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 22.50m to 22.95m	

Photograph of SPT Samples	Borehole No:	PP-14-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1	3.00m to 3.45m
	SPT-2	4.00m to 4.45m
	SPT-3	6.00m to 6.45m
	SPT-4	7.00m to 7.45m
	SPT-5	9.00m to 9.45m
	SPT-6	10.00m to 10.45m
	SPT-7	11.00m to 11.45m





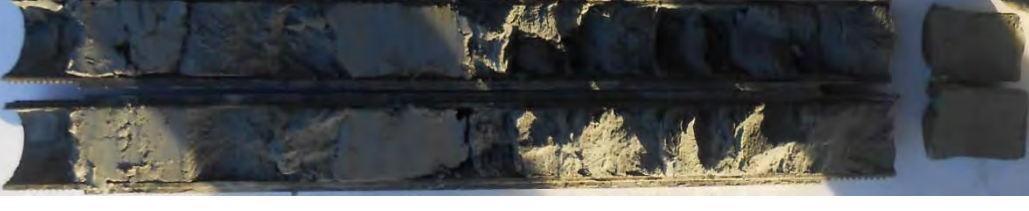


Photograph of SPT Samples	Borehole No:	PP-14-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
No Photo	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 14.00m to 14.45m	
	SPT-11 15.00m to 15.45m	
	SPT-12 16.00m to 16.30m	
	SPT-13 17.00m to 17.29m	
	SPT-14 18.00m to 18.45m	

Photograph of SPT Samples	Borehole No:	PP-14-1
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 19.00m to 19.45m	
	SPT-16 20.00m to 20.45m	
	SPT-17 21.00m to 21.45m	
	SPT-18 22.00m to 22.45m	
No Photo	SPT-19 23.00m to 23.45m	
	SPT-20 24.00m to 24.45m	
	SPT-21 25.00m to 25.45m	






Photograph of SPT Samples	Borehole No:	PP-14-1
	Sheet No:	(4)
Photographs	Sample No. / Depth	
	SPT-22 26.00m to 26.45m	
No Photo	SPT-23 27.00m to 27.45m	
	SPT-24 28.00m to 28.45m	








Photograph of SPT Samples	Borehole No:	PP-14-2
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 2.00m to 2.45m	
No Photo	SPT-3 4.00 to 4.45m	
	SPT-4 5.00m to 5.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 8.00m to 8.45m	
	SPT-7 10.00m to 10.45m	






Photograph of SPT Samples	Borehole No:	PP-14-2
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
	SPT-9 14.00m to 14.45m	
	SPT-10 15.00m to 15.45m	
	SPT-11 17.00m to 17.45m	
	SPT-12 18.00m to 18.45m	
	SPT-13 20.00m to 20.45m	
	SPT-14 21.00m to 21.45m	





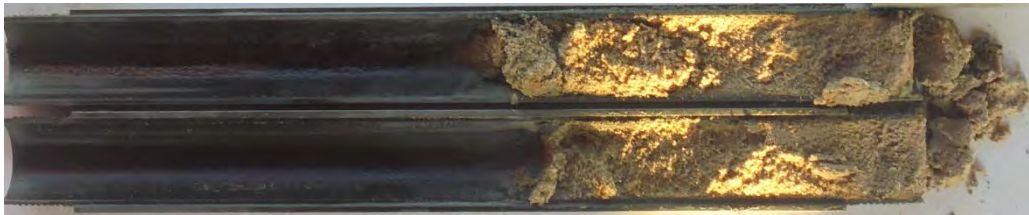

Photograph of SPT Samples	Borehole No:	PP-14-2
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 23.00m to 23.45m	
	SPT-16 24.00m to 24.45m	
	SPT-17 25.00m to 25.45m	
	SPT-18 26.00m to 26.45m	
	SPT-19 27.00m to 27.45m	
	SPT-20 28.00m to 28.45m	
	SPT-21 29.00m to 29.45m	







Photograph of SPT Samples	Borehole No:	PP-14-2
	Sheet No:	(4)
Photographs	Sample No. / Depth	
	SPT-22 30.00m to 30.45m	
	SPT-23 31.00m to 31.45m	
No Photo	SPT-24 32.00m to 32.45m	
	SPT-25 33.00m to 33.45m	







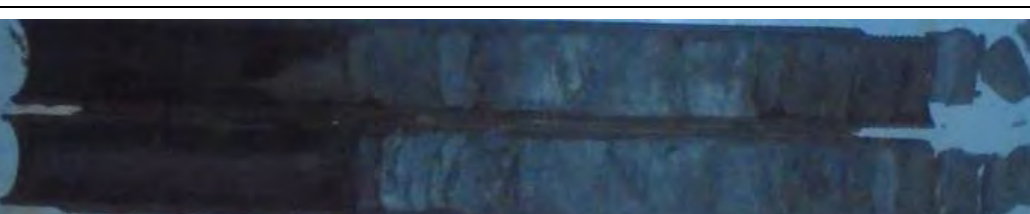
Photograph of SPT Samples	Borehole No:	PP-14-3
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
No Photo	SPT-2 3.00m to 3.45m	
	SPT-3 5.00m to 5.45m	
	SPT-4 6.00m to 6.45m	
No Photo	SPT-5 8.00m to 8.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 11.00m to 11.45m	




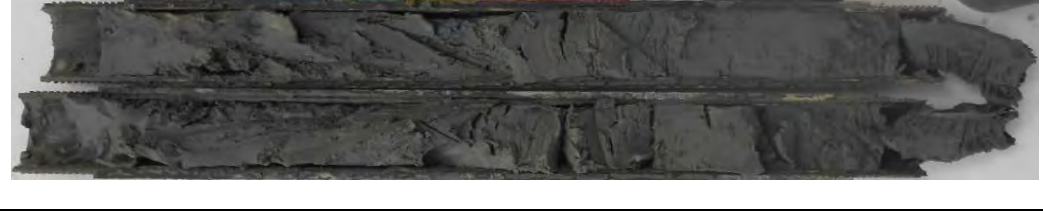
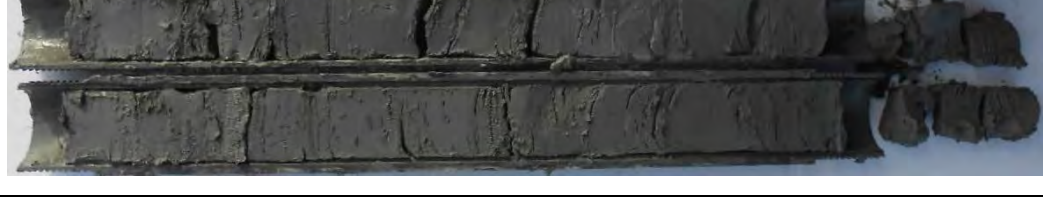


Photograph of SPT Samples	Borehole No:	PP-14-3
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 14.00m to 14.45m	
	SPT-10 15.00m to 15.45m	
	SPT-11 17.00m to 17.45m	
	SPT-12 18.00m to 18.45m	
	SPT-13 19.00m to 19.45m	
	SPT-14 20.00m to 20.45m	




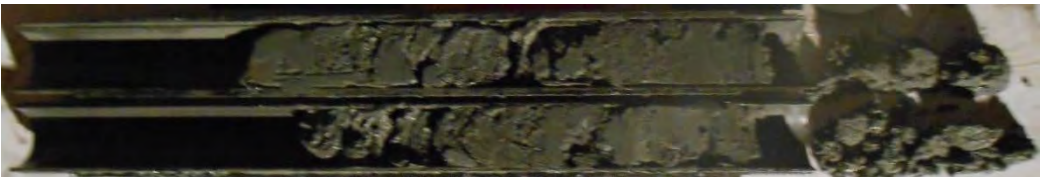

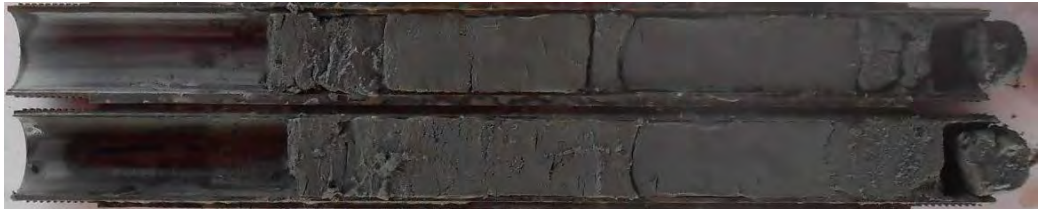

Photograph of SPT Samples	Borehole No:	PP-14-3
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 21.00m to 21.45m	
No Photo	SPT-16 22.00m to 22.45m	
	SPT-17 23.00m to 23.45m	
No Photo	SPT-18 24.00m to 24.45m	
No Photo	SPT-19 25.00m to 25.45m	
	SPT-20 26.00m to 26.45m	
	SPT-21 27.00m to 27.45m	
	SPT-22 28.00m to 28.45m	


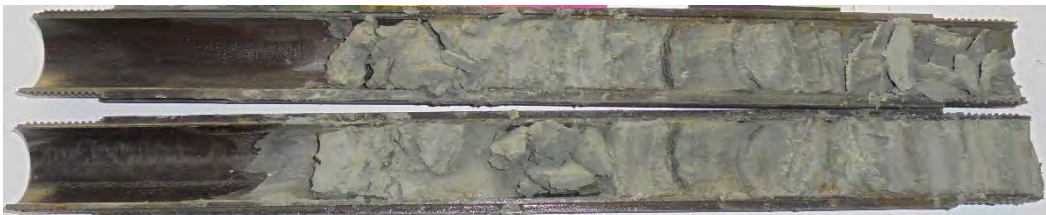





Photograph of SPT Samples	Borehole No:	PP-14-3
	Sheet No:	(4)
Photographs	Sample No. / Depth	
	SPT-23 29.00m to 29.45m	
	SPT-24 30.00m to 30.45m	
	SPT-25 31.00m to 31.45m	
	SPT-26 32.00m to 32.45m	
	SPT-27 33.00m to 33.28m	
	SPT-28 34.00m to 34.26m	
No Photo	SPT-29 35.00m to 35.28m	

Photograph of SPT Samples	Borehole No:	PP-14-3
	Sheet No:	(5)
Photographs	Sample No. / Depth	
	SPT-30 36.00m to 36.26m	
No Photo	SPT-31 37.00m to 37.26m	
	SPT-32 38.00m to 38.27m	
No Photo	SPT-33 39.00m to 39.27m	
	SPT-34 40.00m to 40.25m	
	SPT-35 41.00m to 41.45m	
	SPT-36 42.00m to 42.30m	
	SPT-37 43.00m to 43.28m	





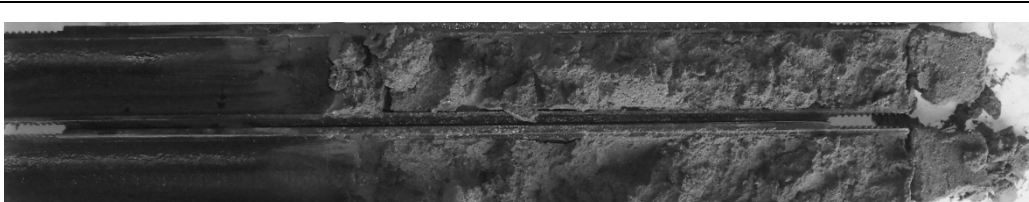


Photograph of SPT Samples	Borehole No:	PP-14-3
	Sheet No:	(6)
Photographs	Sample No. / Depth	
	SPT-38 44.00m to 44.45m	
	SPT-39 45.00m to 45.29m	
	SPT-40 46.00m to 46.45m	
	SPT-41 47.00m to 47.45m	
	SPT-42 48.00m to 48.45m	
	SPT-43 49.00m to 49.45m	
	SPT-44 50.00m to 50.28m	


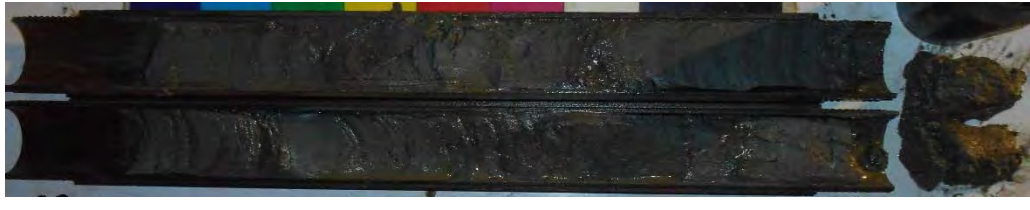





Photograph of SPT Samples	Borehole No:	PP-17-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	








Photograph of SPT Samples	Borehole No:	PP-17-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
	SPT-9 12.00m to 12.45m	
	SPT-10 13.00m to 13.45m	
	SPT-11 14.00m to 14.45m	
	SPT-12 16.00m to 16.45m	
	SPT-13 17.00m to 17.45m	
	SPT-14 18.00m to 18.45m	


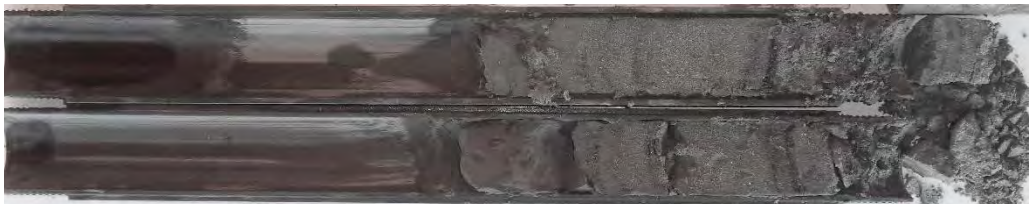
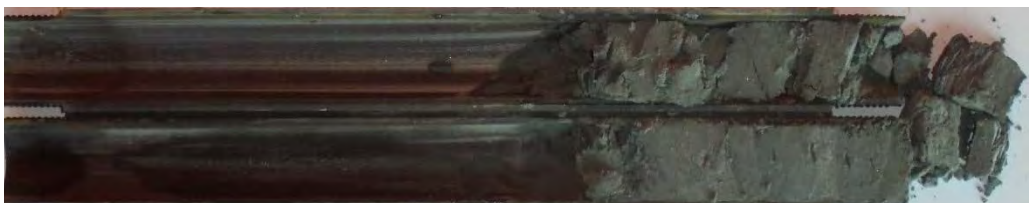

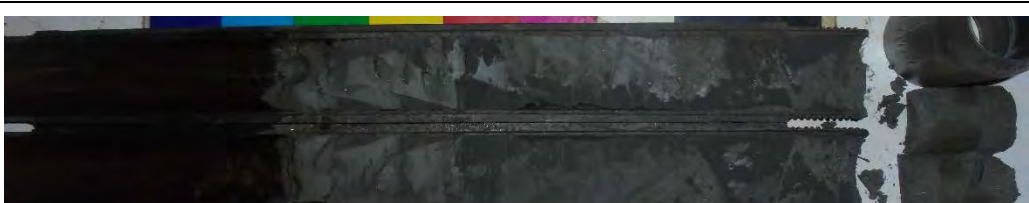
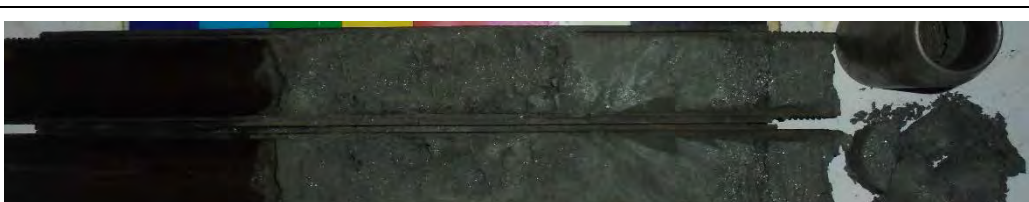
Photograph of SPT Samples	Borehole No:	PP-17-1
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 19.00m to 19.45m	
	SPT-16 20.00m to 20.45m	
	SPT-17 21.00m to 21.45m	
	SPT-18 22.00m to 22.45m	
	SPT-19 23.00m to 23.45m	
	SPT-20 24.00m to 24.45m	
	SPT-21 25.00m to 25.45m	







Photograph of SPT Samples	Borehole No:	PP-17-1
	Sheet No:	(4)
Photographs	Sample No. / Depth	
	SPT-22 26.00m to 26.45m	

Photograph of SPT Samples	Borehole No:	PP-21-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
	SPT-2 4.00m to 4.45m	
	SPT-3 5.00m to 5.45m	
	SPT-4 7.00m to 7.45m	
	SPT-5 8.00m to 8.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	




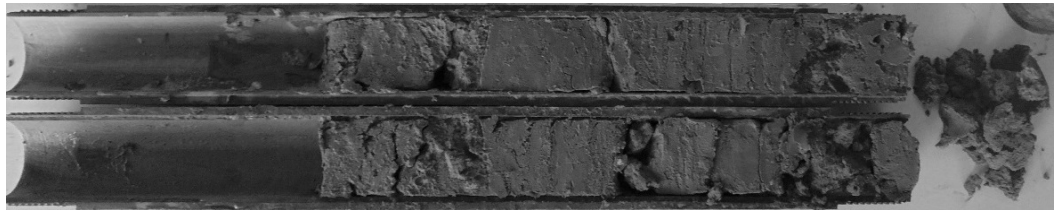


Photograph of SPT Samples	Borehole No:	PP-21-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 14.00m to 14.45m	
	SPT-11 15.00m to 15.45m	
	SPT-12 16.00m to 16.45m	
	SPT-13 17.00m to 17.45m	
	SPT-14 18.00m to 18.45m	








Photograph of SPT Samples	Borehole No:	PP-21-1
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 19.00m to 19.45m	
	SPT-16 20.00m to 20.45m	
	SPT-17 21.00m to 21.45m	
	SPT-18 22.00m to 22.30m	
	SPT-19 23.00m to 23.45m	
	SPT-20 24.00m to 24.45m	
	SPT-21 25.00m to 25.45m	


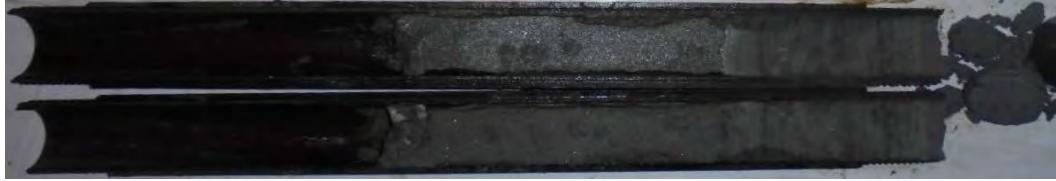




Photograph of SPT Samples	Borehole No:	PP-21-1
	Sheet No:	(4)
Photographs	Sample No. / Depth	
	SPT-22 26.00m to 26.30m	
	SPT-23 27.00m to 27.45m	
	SPT-24 28.00m to 28.30m	
	SPT-25 29.00m to 29.45m	
	SPT-26 30.00m to 30.45m	
	SPT-27 31.00m to 31.45m	
No Photo	SPT-28 32.00m to 32.45m	




Photograph of SPT Samples	Borehole No:	PP-21-1
	Sheet No:	(5)
Photographs	Sample No. / Depth	
	SPT-29 33.00m to 33.45m	
	SPT-30 34.00m to 34.45m	
No Photo	SPT-31 35.00m to 35.27m	
	SPT-32 36.00m to 36.30m	
	SPT-33 37.00m to 37.30m	
	SPT-34 38.00m to 38.26m	
	SPT-35 39.00m to 39.12m	







Photograph of SPT Samples	Borehole No:	PP-21-1
	Sheet No:	(6)
Photographs	Sample No. / Depth	
	SPT-36 40.00m to 40.12m	
	SPT-37 41.00m to 41.13m	





Photograph of SPT Samples	Borehole No:	PP21-2
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	








Photograph of SPT Samples	Borehole No:	PP-21-2
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 15.00m to 15.45m	
	SPT-11 16.00m to 16.45m	
	SPT-12 17.20m to 17.65m	
	SPT-13 18.00m to 18.45m	
	SPT-14 19.00m to 19.45m	



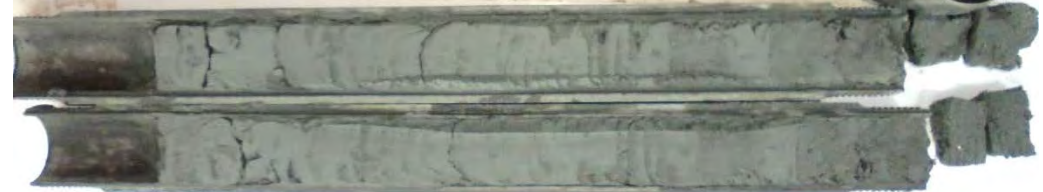




Photograph of SPT Samples	Borehole No:	PP-21-2
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 20.00m to 20.45m	
	SPT-16 21.00m to 21.45m	
	SPT-17 22.00m to 22.29m	
	SPT-18 23.00m to 23.45m	
	SPT-19 24.00m to 24.45m	
No Photo	SPT-20 25.00m to 25.45m	
	SPT-21 26.00m to 26.45m	







Photograph of SPT Samples	Borehole No:	PP-21-2
	Sheet No:	(4)
Photographs	Sample No. / Depth	
No Photo	SPT-22 27.00m to 27.45m	
	SPT-23 28.00m to 28.45m	
	SPT-24 29.00m to 29.45m	
	SPT-25 30.00m to 30.27m	
	SPT-26 31.00m to 31.41m	
	SPT-27 32.00m to 32.38m	
	SPT-28 33.00m to 33.30m	



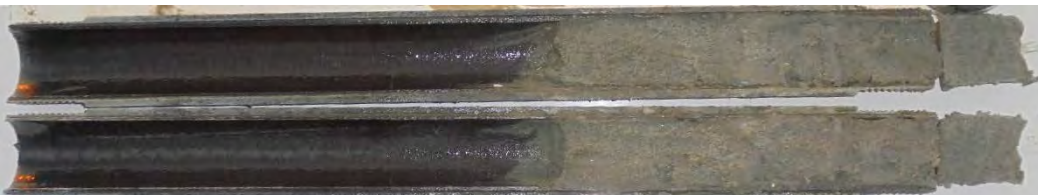
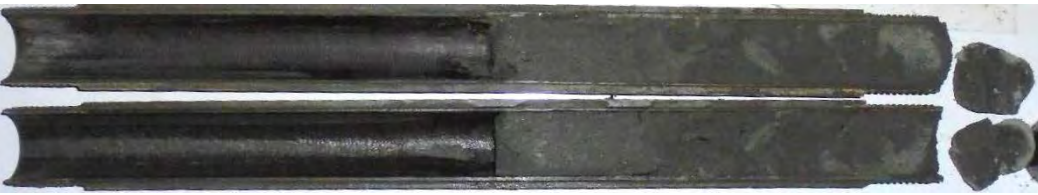
Photograph of SPT Samples	Borehole No:	PP-21-2
	Sheet No:	(5)
Photographs	Sample No. / Depth	
	SPT-29 34.00m to 34.26m	
No Photo	SPT-30 35.00m to 35.36m	
	SPT-31 36.00m to 36.38m	
	SPT-32 37.00m to 37.35m	
	SPT-33 38.00m to 38.31m	
	SPT-34 40.00m to 40.33m	
	SPT-35 42.00m to 42.33m	








Photograph of SPT Samples	Borehole No:	PP-21-2
	Sheet No:	(6)
Photographs	Sample No. / Depth	
	SPT-36 44.00m to 44.30m	
	SPT-37 46.00m to 46.29m	
	SPT-38 48.00m to 48.29m	
	SPT-39 50.00m to 50.25m	




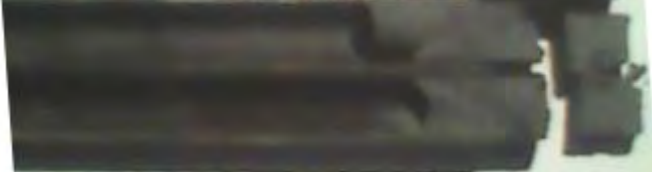

Photograph of SPT Samples	Borehole No:	PP-21-3
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 6.00m to 6.45m	
	SPT-4 8.00m to 8.45m	
	SPT-5 9.00m to 9.45m	
	SPT-6 10.00m to 10.45m	
	SPT-7 12.00m to 12.45m	








Photograph of SPT Samples	Borehole No:	PP-21-3
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 13.00m to 13.45m	
	SPT-9 14.00m to 14.45m	
	SPT-10 15.00m to 15.45m	
	SPT-11 16.00m to 16.45m	
	SPT-12 17.00m to 17.45m	
	SPT-13 18.00m to 18.45m	
	SPT-14 19.00m to 19.45m	








Photograph of SPT Samples	Borehole No:	PP-21-3
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 20.00m to 20.45m	
	SPT-16 21.00m to 21.45m	
	SPT-17 22.00m to 22.45m	
	SPT-18 23.00m to 23.45m	
	SPT-19 24.00m to 24.28m	
No Photo	SPT-20 25.00m to 25.45m	
	SPT-21 26.00m to 26.45m	







Photograph of SPT Samples	Borehole No:	PP-21-3
	Sheet No:	(4)
Photographs	Sample No. / Depth	
No Photo	SPT-22 27.00m to 27.45m	
	SPT-23 28.00m to 28.45m	
	SPT-24 29.00m to 29.45m	
	SPT-25 30.00m to 30.45m	
	SPT-26 31.00m to 31.27m	
	SPT-27 32.00m to 32.29m	
	SPT-28 33.00m to 33.45m	








Photograph of SPT Samples	Borehole No:	PP-21-3
	Sheet No:	(5)
Photographs	Sample No. / Depth	
	SPT-29 34.00m to 34.00m	
	SPT-30 35.00m to 35.45m	
	SPT-31 36.00m to 36.45m	
	SPT-32 37.00m to 37.43m	
	SPT-33 38.00m to 38.45m	
	SPT-34 39.00m to 39.45m	
	SPT-35 40.00m to 40.45m	








Photograph of SPT Samples	Borehole No:	PP-21-3
	Sheet No:	(6)
Photographs	Sample No. / Depth	
	SPT-36 41.00m to 41.29m	
	SPT-37 42.00m to 42.29m	
	SPT-38 43.00m to 43.29m	
	SPT-39 44.00m to 44.26m	
	SPT-40 45.00m to 45.28m	





Photograph of SPT Samples	Borehole No:	PP-24-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.0m to 9.45m	
	SPT-7 10.00m to 10.45m	





Photograph of SPT Samples	Borehole No:	PP-24-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 15.00m to 15.45m	
	SPT-11 16.00m to 16.45m	
	SPT-12 17.00m to 17.45m	
	SPT-13 18.00m to 18.45m	
	SPT-14 19.00m to 19.45m	


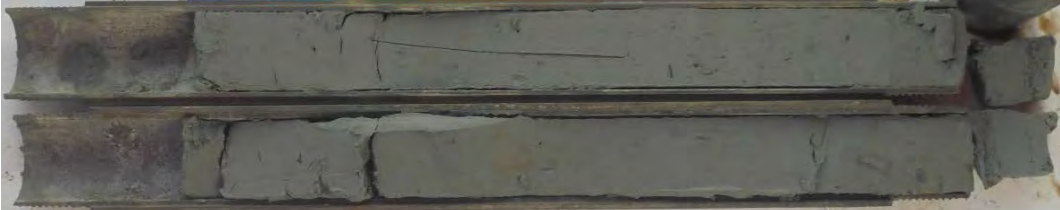





Photograph of SPT Samples	Borehole No:	PP-24-1
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 20.00m to 20.45m	
	SPT-16 21.00m to 21.45m	
	SPT-17 22.00m to 22.45m	
	SPT-18 23.00m to 23.28m	
	SPT-19 24.00m to 24.45m	
	SPT-20 25.00m to 25.45m	
No Photo	SPT-21 26.00m to 26.45m	

Photograph of SPT Samples	Borehole No:	PP-24-1
	Sheet No:	(4)
Photographs	Sample No. / Depth	
	SPT-22 27.00m to 27.45m	
	SPT-23 28.00m to 28.45m	
	SPT-24 29.00m to 29.30m	
	SPT-25 30.00m to 30.29m	
	SPT-26 31.00m to 31.29m	
	SPT-27 32.00m to 32.30m	
	SPT-28 33.00m to 33.27m	








Photograph of SPT Samples	Borehole No:	PP-24-1
	Sheet No:	(5)
Photographs	Sample No. / Depth	
	SPT-29 34.00m to 34.30m	
	SPT-30 35.00m to 35.27m	
	SPT-31 36.00m to 36.30m	
	SPT-32 37.00m to 37.30m	
	SPT-33 38.00m to 38.28m	
	SPT-34 39.00m to 39.27m	
	SPT-35 40.00m to 40.26m	


Photograph of SPT Samples	Borehole No:	PP-24-1
	Sheet No:	(6)
Photographs	Sample No. / Depth	
No Photo	SPT-36 42.00m to 42.30m	
	SPT-37 44.00m to 44.27m	
	SPT-38 46.00m to 46.28m	
	SPT-39 48.00m to 48.29m	
	SPT-40 50.00m to 50.26m	








Photograph of SPT Samples	Borehole No:	PP3-15-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 5.00m to 5.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	



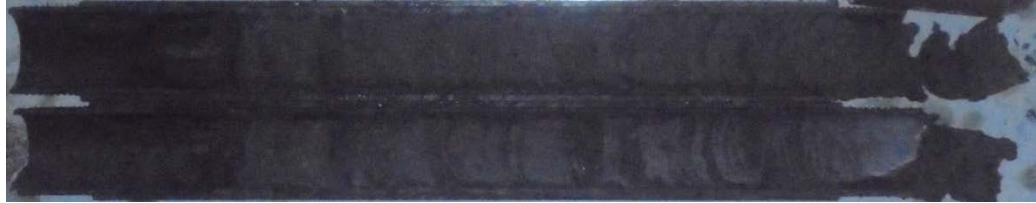


<h1>Photograph of SPT Samples</h1>	Borehole No:	PP3-15-2
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 3.00m to 3.45m	
	SPT-2 4.00m to 4.45m	
	SPT-3 6.00m to 6.45m	
	SPT-4 7.00m to 7.45m	
	SPT-5 9.00m to 9.45m	
	SPT-6 10.00m to 10.45m	
	SPT-7 12.00m to 12.45m	







Photograph of SPT Samples	Borehole No:	PP3-15-2
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 13.00m to 13.45m	
	SPT-9 15.00m to 15.45m	
	SPT-10 16.00m to 16.45m	
	SPT-11 17.00m to 17.45m	

Photograph of SPT Samples	Borehole No:	PP3-17-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 5.00m to 5.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 9.50 to 9.95m	
	SPT-6 10.50m to 10.95m	
	SPT-7 11.50m to 11.95m	








Photograph of SPT Samples	Borehole No:	PP3-17-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.50m to 12.95m	

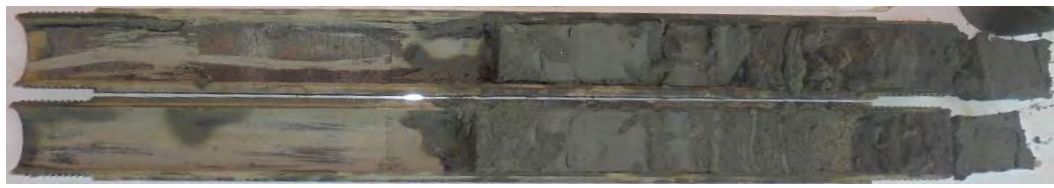

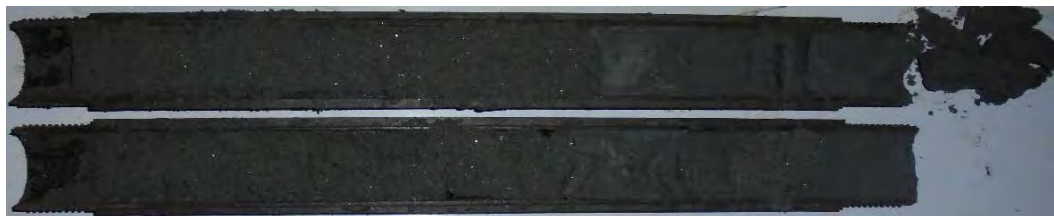


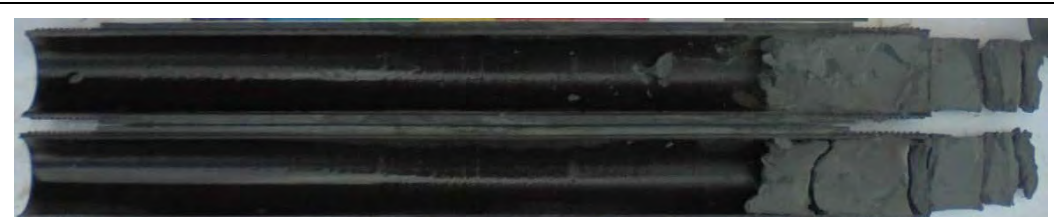
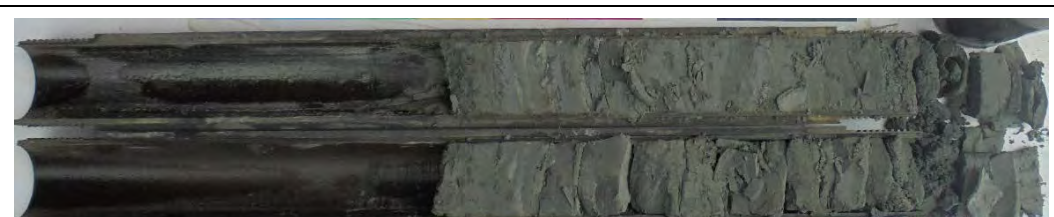
Photograph of SPT Samples	Borehole No:	PP3-17-2
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 5.00m to 5.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 8.00m to 8.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	







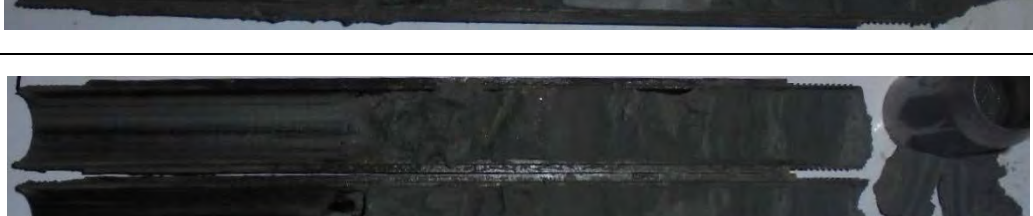
Photograph of SPT Samples	Borehole No:	PP3-17-2
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 14.00m to 14.45m	
	SPT-11 15.00m to 15.45m	
	SPT-12 16.00m to 16.45m	








Photograph of SPT Samples	Borehole No:	PP3-19-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
	SPT-2 4.00m to 4.45m	
	SPT-3 5.00m to 5.45m	
	SPT-4 8.00m to 8.45m	
	SPT-5 9.00m to 9.45m	
	SPT-6 11.00m to 11.45m	
	SPT-7 12.00m to 12.45m	

Photograph of SPT Samples	Borehole No:	PP3-19-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
No Photo	SPT-8 14.00m to 14.45m	
	SPT-9 15.00m to 15.45m	
No Photo	SPT-10 16.00m to 16.45m	
	SPT-11 17.00m to 17.45m	

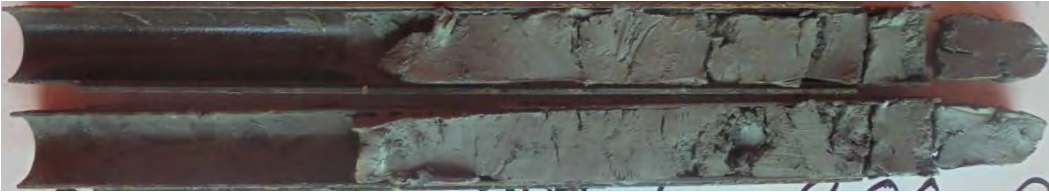



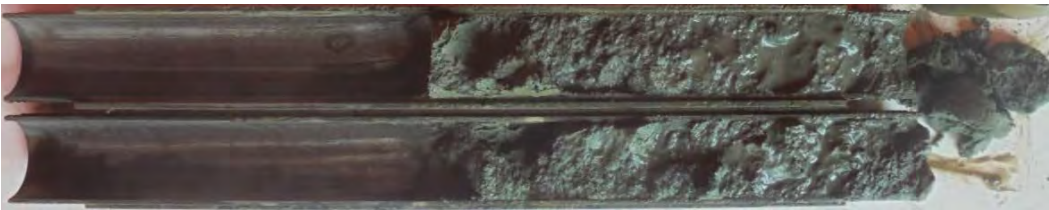

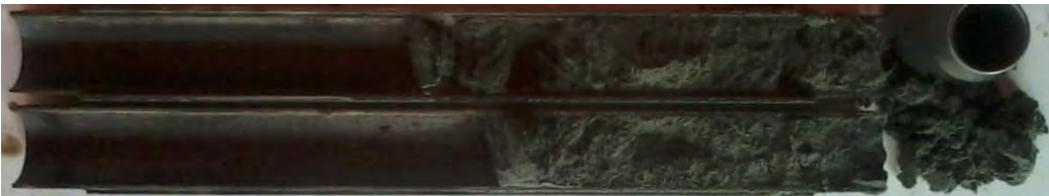
Photograph of SPT Samples	Borehole No:	PP3-19-2
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 2.00m to 2.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 5.00m to 5.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 8.00m to 8.45m	
	SPT-7 10.50m to 10.95m	

Photograph of SPT Samples	Borehole No:	PP3-19-2
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
	SPT-9 12.00m to 12.45m	
	SPT-10 14.00m to 14.45m	
	SPT-11 15.00m to 15.45m	
	SPT-12 17.00m to 17.45m	
	SPT-13 18.00m to 18.44m	
	SPT-14 19.00m to 19.45m	








Photograph of SPT Samples	Borehole No:	PP3-19-2
	Sheet No:	(3)
Photographs	Sample No. / Depth	
	SPT-15 20.00m to 20.45m	
	SPT-16 21.00m to 21.45m	
	SPT-17 22.00m to 22.45m	
	SPT-18 23.00m to 23.45m	
	SPT-19 24.00m to 24.45m	
	SPT-20 25.00m to 25.45m	
	SPT-21 26.00m to 26.45m	



Photograph of SPT Samples	Borehole No:	PP3-19-2
	Sheet No:	(4)
Photographs	Sample No. / Depth	
	SPT-22 27.00m to 27.45m	
	SPT-23 28.00m to 28.45m	
	SPT-24 29.00m to 29.45m	
	SPT-25 30.00m to 30.35m	
	SPT-26 31.00m to 31.40m	
	SPT-27 32.00m to 32.45m	
	SPT-28 33.00m to 33.45m	

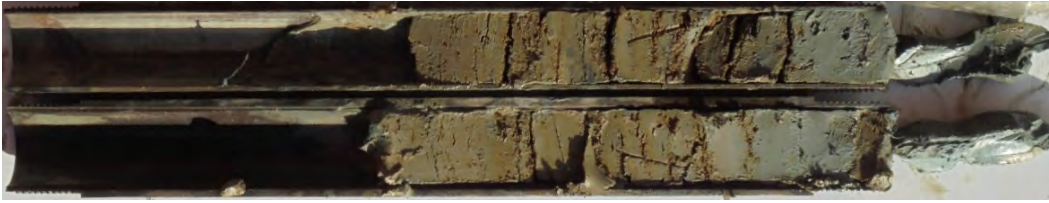






Photograph of SPT Samples	Borehole No:	PP3-19-2
	Sheet No:	(5)
Photographs	Sample No. / Depth	
	SPT-29 34.00m to 34.37m	
	SPT-30 35.00m to 35.36m	
	SPT-31 36.00m to 36.20m	
	SPT-32 37.00m to 37.29m	




Photograph of SPT Samples	Borehole No:	PP3-19-3
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 2.00m to 2.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 5.00m to 5.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 8.00m to 8.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	








Photograph of SPT Samples	Borehole No:	PP3-19-3
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
	SPT-9 12.00m to 12.45m	
	SPT-10 13.00m to 13.45m	
	SPT-11 14.00m to 14.45m	





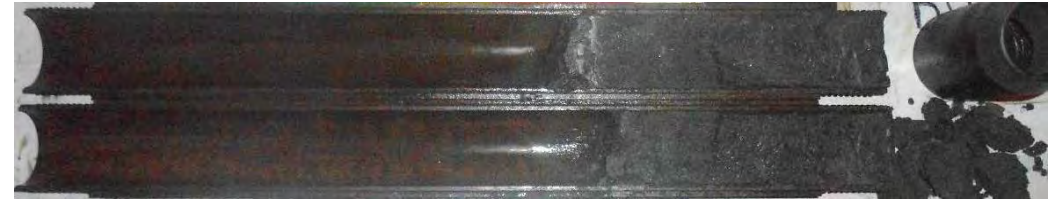


Photograph of SPT Samples	Borehole No:	PP3-23-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1	2.00m to 2.45m
	SPT-2	3.00m to 3.45m
	SPT-3	5.00m to 5.45m
	SPT-4	6.00m to 6.45m
	SPT-5	8.00m to 8.45m
	SPT-6	9.00m to 9.45m
	SPT-7	10.00m to 10.45m




Photograph of SPT Samples	Borehole No:	PP3-23-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
No Photo	SPT-9 12.00m to 12.45m	
	SPT-10 13.00m to 13.45m	


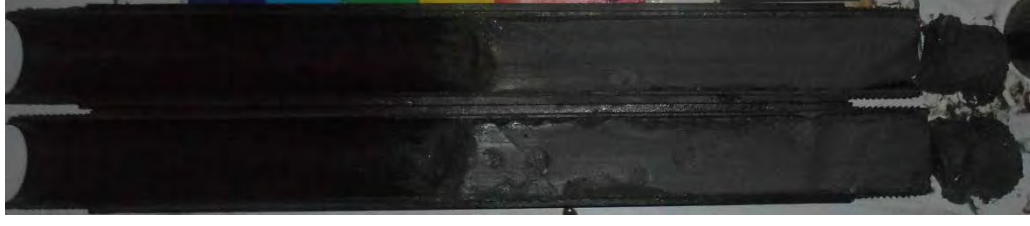




Photograph of SPT Samples	Borehole No:	PP3-23-2
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 9.00m to 9.45m	
	SPT-7 10.00m to 10.45m	

Photograph of SPT Samples	Borehole No:	PP3-23-2
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 12.00m to 12.45m	
	SPT-9 13.00m to 13.45m	
	SPT-10 14.00m to 14.45m	

Photograph of SPT Samples	Borehole No:	PP3-23-3
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
	SPT-5 7.00m to 7.45m	
	SPT-6 8.00m to 8.45m	
	SPT-7 9.00m to 9.45m	

Photograph of SPT Samples	Borehole No:	PP3-24-1
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1	1.00m to 1.45m
	SPT-2	3.00m to 3.45m
	SPT-3	4.00m to 4.45m
	SPT-4	6.00m to 6.45m
	SPT-5	7.00m to 7.45m
	SPT-6	9.00m to 9.45m
	SPT-7	10.00m to 10.45m

Photograph of SPT Samples	Borehole No:	PP3-24-1
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
	SPT-9 12.00m to 12.45m	
	SPT-10 13.00m to 13.45m	

Photograph of SPT Samples	Borehole No:	PP3-24-2
	Sheet No:	(1)
Photographs	Sample No. / Depth	
	SPT-1 1.00m to 1.45m	
	SPT-2 3.00m to 3.45m	
	SPT-3 4.00m to 4.45m	
	SPT-4 6.00m to 6.45m	
No Photo	SPT-5 7.00m to 7.45m	
	SPT-6 8.00m to 8.45m	
	SPT-7 10.00m to 10.45m	

Photograph of SPT Samples	Borehole No:	PP3-24-2
	Sheet No:	(2)
Photographs	Sample No. / Depth	
	SPT-8 11.00m to 11.45m	
	SPT-9 12.00m to 12.45m	