

Summary of Test Results (page 1 of 2)

Land mark

BH-7

Sample No.	Depth (m)	W _n (%)	Atterberg Limits			Sieve Analysis							USCS Group ^a	Soil Strength			Unit ^d Weight (kN/m ³)	SPT-N ^e (Blows/ 300 mm)	
			(%)			% Passing (US Standard Sieve)								(kN/m ²)					
			LL	PL	PI	1"	3/4"	1/2"	3/8"	#4	#10	#40		#100	#200	P _{uc} ^b			Torvane
ST- 1	3.00	53.2	50.3	23.7	26.6							100	96	CH	0.0	17.0	11.1	15.6	
ST- 2	4.50	69.8		-									-	(CH)	0.0	17.0	10.0	16.1	
ST- 3	6.00	57.3	49.1	27.1	22.0							100	98	CL	0.0	17.0	11.9	16.2	
ST- 4	7.50	57.1		-									-	(CL)	0.0	20.0	18.2	15.4	
ST- 5	9.00	55.9	54.3	26.1	28.2							100	99	CH	0.0	20.0	9.9	15.8	
ST- 6	10.50	60.0		-									-	(CH)	0.0	20.0	21.3	15.1	
ST- 7	12.00	56.9	69.5	36.9	32.6							100	99	CH	0.0	25.0	29.3	14.4	
ST- 8	13.50	30.2	Non Plastic									100	98	SM	Non Plastic				
SS- 1	15.00	26.3	35.3	19.2	16.1							100	99	CL					
SS- 2	16.50	16.95	35.3	-									-	(CH)					
SS- 3	18.00	18.45	60.1	27.0	33.1							100	99	CH					
SS- 4	19.50	19.95	Insufficient Sample									100	98	CH					
SS- 5	21.00	21.45	Insufficient Sample									100	98	CH					
SS- 6	22.50	22.95	-									No Recovery							
SS- 7	24.00	24.45	Insufficient Sample									100	99	CL					
SS- 8	25.50	25.95	Insufficient Sample									100	93	CL					
SS- 9	27.00	27.45	Insufficient Sample									100	94	CL					
SS- 10	28.50	28.95	Insufficient Sample									100	98	CL					
SS- 11	30.00	30.45	Non Plastic									100	85	SM					
SS- 12	31.50	31.95	Non Plastic									100	99	SM					
SS- 13	33.00	33.45	Non Plastic									100	98	SM					
SS- 14	34.50	34.95	Non Plastic									100	98	SM					
SS- 15	36.00	36.45	Non Plastic									100	98	SM					
SS- 16	37.50	37.95	-									No Recovery							
SS- 17	39.00	39.45	56.9	25.9	31.0							100	97	CH					
SS- 18	40.50	40.95	-										-	(CH)					
SS- 19	42.00	42.45	42.2	22.5	19.7							100	98	CL					

Notes:

^a USCS groups provided in parenthesis are from visual classification

^b P_{uc} = Pocket Penetrometer Resistance

^c S_{uc} = q_u/2; where q_u is Unconfined Compressive Strength from Unconfined Compression Test

^d Unit Weight provided for split spoon samples (SS) are for disturbed samples from SPT tests.

^e If the sampler is driven less than 450 mm, the number of blows per each complete and partial (less than or equal to 150 mm) increments were recorded.

Summary of Test Results (page 2 of 2)

Land mark

BH-7

Sample No.	Depth (m)		W _n (%)	Atterberg Limits			Sieve Analysis							USCS Group ^a	Soil Strength		Unit ^d Weight (kN/m ³)	SPT-N ^e (Blows/ 300 mm)	
	From	To		LL	PL	PI	% Passing (US Standard Sieve)				P _{uc} ^b	S _{uc}							
							1"	3/4"	1/2"	3/8"	#4	#10	#40	#100	#200				
SS- 20	43.50	43.95	-	-	-	-	No Recovery											62	
SS- 21	45.00	45.45	19.5	Non Plastic								100	89	34	22		SM	36,50/150, -	
SS- 22	46.50	46.95	22.3	Non Plastic								100	64	21	18		SM	38,50/150, -	
SS- 23	48.00	48.45	19.0	Non Plastic								100	84	25	16		SM	43,50/150, -	
SS- 24	49.50	49.95	16.4	Non Plastic					100	99	90	26	16	14		SM	80		
SS- 25	51.00	51.45	14.4	Non Plastic					100	99	91	34	18	15		SM	70		
SS- 26	52.50	52.95	-	-	-	-	No Recovery											74	
SS- 27	54.00	54.45	17.4	Non Plastic								100	99	68	26	18	SM	32,42,50/125	
SS- 28	55.00	55.95	19.8	Non Plastic								100	98	62	19	16	SM	38,50/150, -	
SS- 29	57.00	57.45	16.7	Non Plastic					100	99	97	43	22	19		SM	39,50/125, -		
SS- 30	58.50	58.95	10.7	Non Plastic					100	95	78	52	33	23		SM	50/75, -, -		
SS- 31	60.00	60.45	-	-	-	-	No Recovery											50/75, -, -	

Notes:

^a USCS groups provided in parenthesis are from visual classification

^b P_{uc} = Pocket Penetrometer Resistance

^c S_{uc} = q_u/2, where q_u is Unconfined Compressive Strength from Unconfined Compression Test

^d Unit Weight provided for split spoon samples (SS) are for disturbed samples from SPT tests.

^e If the sampler is driven less than 450 mm, the number of blows per each complete and partial (less than or equal to 150 mm) increments were recorded.

Borehole Number : BH-7

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Project : โครงการสำรวจออกแบบและจัดทำแผนแม่บทเพื่อพัฒนาริมฝั่งแม่น้ำเจ้าพระยา

Site Location : วัดคฤหบดี

Latitude (N) : 13.77177

Ground Elevation (m) :

Longitude (E) : 100.49681

G.W.L (m) :

Date Started : 9/7/2559

Total Depth (m) : 60.45

Date Finished : 10/7/2559

Depth (m)	SAMPLE			SUBSURFACE PROFILE		Atterberg Limits (%)	Unit Weight	Suc (kN/m ²)							
	Symbol	Type	Number	Description	Symbol			SPT-N (Blows/0.3m)							
								20	40	60	80				
						20	40	60	80	5	15	20	40	60	80
32	SS	12													52
33	SS	13													65
34	SS	14													46
35	SS	15													44
36	SS	16													38
37	SS	17													41
38	SS	18													55
39	SS	19													63
40	SS	20													62
41	SS	21													50/150
42	SS	22													50/150
43	SS	23													50/150
44	SS	24													80
45	SS	25													70
46	SS	26													74
47	SS	27													50/125
48	SS	28													50/150
49	SS	29													50/125
50	SS	30													50/75
51	SS	31													50/75
60															
61															
62															

Thin wall tube

Split spoon

Rock core

Wash

Auger

PL

Wn

LL

Atterberg Limits : |-----|

Suc : Undrained shear strength from UC test

Thin wall tube
Split spoon
Rock core
Wash
Auger

Atterberg Limits : PL Wn LL

Suc : Undrained shear strength from UC test

CM