BANGLADESH WATER DEVELOPMENT BOARD GROUNDWATER HYDROLOGY DIVISION-2

72 GREEN ROAD, DHAKA-1205.

		DRE LOG		
Project:Rehabilitation of polder n	o 15 at satkhira district under	SITE: 9 no shora		
satkhira o&m division				
2		P.S: Shyamnagai	•	DIST: Satkhira
LOCATION: 9 no shora khal		HOLE NO: H1-H5	j	GROUND LEVEL:
CLIENT: XEN,O&M DIVISION-1, Sa	ntkhira	WATER LEVEL:		AT 7:00 HRS
DATE STARTED: 28-05-2022	DATE COMPLETED: 01-06-22	OF DATE-		
DRILLED BY: GWHD-2	UNIT: Rig-21	TOTAL DEPTH: 7	2 ft	
	SOIL SA	MPLING		
A) UNDISTURB	· · · · · · · · · · · · · · · · · · ·			
SAMPLE NOS:	DIMENSIONS:		NO TAKEN	
TYPE:	DRILLER: Md. Abu Jal	ner		T: Md.Maniruzzaman Bhuiyan
B) DISTURB				
SAMPLE NOS: D1-D14	DIMENSIONS: 1 3/4 I	D X 24 Inch	NO TAKEN	: 14 Nos
TYPE: Split Spoon	WEIGHT OF HAMME	R: 140 lb	AVG. DROP	2: 30 Inces
HOW SAMPLED: WOODEN/BOX/	IARS/CANS/ BAGS	DESPATCHE	D ON:	
		ING		
SIZE:	LENGTH USED:	WT OF HAM	IMER:	AVG. DROP:
REMA			LOCAT	FION SKETCH
Drilling was advanced by 0	Chopping method.	_		₩ N
			X	
				peo
	100			Earthen road
	111111111			
	মোঃ মনিরুজ্জামান ভূইয়া		H1 • 4.50 m	, on •
	ভূতত্ত্ববিদ		77	H2 ASO H2
	ভূগর্ভস্থ পানি বিজ্ঞান উপ-বিভাগ বাপাউবো, যশোর।		C/S	K/51 2
	वानाजद्वा, वटनाव ।		C/S 4.50 M	4.50 m
			нз	peo
200 mm 333				H4
निर्देश करें			6.50 m	Eart
, ' 2 <u>0/09/22</u> (মোঃ জাকিন্ন হোলেন)	- 1	4	3 ₩	
জন বিজ্ঞানীয় প্রত্যৌশনী (জন্মাত)		Existi	ng sluice	\downarrow
স্যাধনগর পত্র তপ-বিভাগ বাপাউবো, স্যাধনগর, সাডকীরা।				•
all themself the said and said				
				11.
			Not dr	awn to scale

(सांश नाष्ट्रापून दक) उन-महस्राती हालोगनी/नाश कर्मकर्डा सख्यादविकी পख्य भाशा वालाजिता, मामनगत

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG

_	_							CLL																					
			habilitation of polder no 1 &m division	SITI	E: 9 r	no sh	ora																						
Jaco	XIIII	a 00	xIII division							P.S:	Shy	amn	agar				[DIST	: Si	atkl	nira	1							
LOC	CATI	ON	: 9 no shora khal							НО	E N	O: H:	1				-	GRO	UN	ID I	FV	FI	: 3.32 m						
			N,O&M DIVISION-1, Satkh	ira								LEVE		75 r	n		\neg	AT.	01	7:0			HRS						
				TE CC			: 28-	05-2	2		DATI																		
	_	_	Y: GWHD-2 UN	IIT: R	1g-21 PHY	SICA	L	D	STU			DEPT MPL			PE	NET	R/	TIC	NC	TE	ST		INDEX						
No of Sample	of Sample	Scale (ft)	LITHOLOGICAL DESCRIPTION	DENSITY	COLOR	MOISTURE	DILATANCY	В	LOV	VS C	N	BLC O CAS	WS N ING		0 0	OF E	BLC		S P	ER		Т	Disturb Undisturb						
No	Type	Š		DE	S	MO	DILA	0/6	/	/	/	0 /12	12/ /24	10	20	30	04	200	70	8	96	100	REMARKS						
D1	5							0	1	1	1																		
D2	10							0	0	1	1																		
D3	15			Very soft	>			0	0	1	1																		
D4	20		Clay with trace silt	Ven	Dark Gray		Plastic	1	0	0	1																		
D5	30						Pla	1	0	0	1																		
D6	35					t		1	1	1	1												M.Stiff=Medium						
D7	40			oft		Moist		1	1	1	2												stiff v.soft=very						
D8	45		Clay some silt	M.Stiff So				1	1	2	2									0	ui:	2	ক্রিকাগ্রহ নিরুজ্বাসান ভূইর						
D9	50		Gray Some Site	Σ				2	3	4	9									É	ηú	्य प	ভাত্ত্ববিদ ধানি বিজ্ঞান উপ-বিভাগ পা উবো, যশোর ।						
D10			Silt with trace clay					3	9	11	13																		
D11				Medium Dense	Gray		lastic	7	8	8	8																		
D12			Very fine sand with trace	Medium			Non-plastic	5	13	15	17																		
D13			silt	_			_	_	_		~	۷	~	5	13	15	17												
D14	70							6	14	15	18					+	+												

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

প্রতিক্ত হিন্দু হিন্দু

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG

Pro	ject	::Re	habilitation of polder n	o 15 at	satkl	hira (distr	ict ur	nder	SIT	E: 9 ı	no sl	nora												
sat	KNIr	a o	&m division							P.S	: Shy	amr	naga	r				DI	ST:	Sa	tkł	nira	3		
LO	CAT	ION	: 9 no shora khal							НО	LE N	O: H	2		_			GF	ROI	JN	DΙ	FV	FI	: 3.24 m	
			N,O&M DIVISION-1, Sa	tkhira	,					-	TER			37	m m			AT	_		7:0	_		HRS	
	_			DATE C	ОМР	LETE	D: 29	-05-2	2	OF	DAT	E-													
DR	LLE	D B	Y: GWHD-2	UNIT: F	Rig-2	1				TO	TAL	DEPT	H: 7	2 f	t										
ه	le e				PHY	/SIC/	٩L	D	ISTU	RBE	D SA	MPI	LES	Π	PE	NE	TR	RAT	10	N.	TES	ST		INDEX	
No of Sample	e of Sample	<u>a</u>	LITHOLOGICAL DESCRIPTION	DENSITY	COLOR	MOISTURE	DILATANCY	В	SPO	VS C		CAS	OWS ON SING		10	OF PE		OV TR				l F	Т	Disturb Undisturb	
N	Type				0	MO	DIL	0/6	1/	12/	/24	0 /12	/	10	20	30	40	20	09	70	80	06	100	REMARKS	
														+									H		
D1	5												-	E											
DI								0	1	1	1	_	-	F									H	V. S.= Very soft M.S.=Medium stiff W.G.= Whitish gray N.P.=Non-plastic S.P.=Semi-plastic	
-	10																		_				H	ry so um tish plas	
D2								1	0	1	1			E							-	_		Mhii Von	
	15											_		F			-						H	V. S.= Very soft I.S.=Medium sti 'G.= Whitish gra N.P.=Non-plastic S.P.=Semi-plastic	
D3								0	1	1	1			E								_	H	V. S.= Very soft M.S.=Medium stiff W.G.= Whitish gray N.P.=Non-plastic S.P.=Semi-plastic	
	20																						Н		
D4							U	0	0	1	1			F									H		
	25		Clay with trace silt				Plastic					_											H		
D5							4	0	0	1	1											G	Ì	মনিরুজ্জামান ভূই	गा
	30																							ভূতত্ত্ববিদ স্থ পানি বিজ্ঞান উপ-বিভ	24.1
D6	30							1	1	1	1											2	0	ছ পানে বিজ্ঞান উপ-বিষ বাপাউবো, যশোর।	াগ
_	35							_		-	_														
D7	33				Gray	Moist		1	1	2	2												H		
					Ď	Ž			1		۷.		-												
D8	40			Soft				-	_	-														- 1	
00								_1	1	2	2							=							
D9	45																								
D9					+			1	1	2	2													l	
D 4 0	50						tic				-					-	7	1	\dashv				\exists		
D10		=	Silt with trace clay	Loose			Non-plastic	3	4	5	6						\exists						\exists		
	55			3			lon-								=	1		\Rightarrow	\Rightarrow				\exists		
D11		=						3	4	5	8			-		7	7	7	7		7	\dashv	\exists	2	
-,	60															\exists		\exists							
D12			Clay with some silt	nse			stic	6	13	15	17	\dashv			=	\Rightarrow	#	#	=	=	1	1			
	65		Ciay with some silt	De			Plastic									#	7	+	7	#	+	+			
D13	55			inm				7	12	14	18							-							
	70		Very fine sand with tra	a Medium Dense				-		- '						\dashv	\pm			\exists	\exists	\exists			
D14	70		silt	2			N.P	8	14	15	20					7	+	+	+	+	+	#			
	-									10	20				1	T	T	T	T						

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

(মাঃ সাজ্জাদুল হক) উপ-সংকারী ধকৌশুলী কর্মকর্ডা নওয়াকেঁকী পথর শাখা বাপাউবো, শ্যামনগর

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

			D							FIE	D E	BOF	REL	OG											
Sa	roje atkł	ect: nira	Ke l o8	habilitation of polder r &m division	10 15	5 at	satk	hira	dist	rict (ınde	r S	ITE: 9	no s	shora	9									
				ATT GIVISION								Р	S: Sh	ıyam	naga	ır				DI:	ST:	Sat	khi	ra	
LC	OCA	ATIC	:NC	9 no shora khal								Н	OLFI	VO: F	13				-	CF	001	NIC		\ /F	
				N,O&M DIVISION-1, Sa	itkhi	ira								R LEV	2000	85	m			AT			7:00	_	L: 3.35 m
_		_	_	ED: 30-05-2022					D: 3	0-05-	22	_	F DA										.00	_	ПКЗ
D			В	': GWHD-2	UN	-	Rig-2					-		DEP.		72 f	t								
2	י ב	Sample					PHY	SIC	AL		DIST	URB	ED S	AMP		I	PE	NE	TR	ΔT	101	V T	ES	Г	INDEX
8	Jall	San	e (ft	LITHOLOGICAL	L	_	1 ~	RE	2	5	BLO				OWS ON	N	10 (ЭF	BLC) V	VS F	PEF	1	FT	
No of Sample	5 6	e ot	Scale (ft)	DESCRIPTION		DENSITY	COLOR	MOISTURE	DII ATANCY			00		CA	SING			PE	NE	ΓR.	ATI	ON	l		Undisturb
2	2	l ype (,			B	S	MO	A IIC	0	/	1	/18/	1 /	12/	10	0	0	40	J	0	J.		3	DEBRADICA
H	+	+				-	-	1	+	/	5/1	2/1	8/24	1/12	24	-	2	3	4 1	2	9 1		Σ c	30	REMARKS
E	Ξ,	. E																	\exists	+	+	+	+	+	
D:	_						Gray			0	1	1	1							1					
	1						Ō				1	+	+	+							\pm		+	+	soft n stii h gra astic
D										0	0	1	1	+					+	+	+			F	V. S.= Very soft M.S.=Medium stiff M.G.= Whitish gray N.P.=Non-plastic S.P.=Semi-plastic
	1	5 =		Clay with trace silt							-	+	-						1	+	\mp	\pm			S.= \\ = Me = \(Me \) = \(Ne \) = \(Ne \) = \(Ne \) = \(Ser \)
D3		-				¥				0	0	1	1							+	+	+	+	+	V. S.= Very soft M.S.=Medium stiff W.G.= Whitish gray N.P.=Non-plastic S.P.=Semi-plastic
	20	o E	\exists			Very soft							+						-	+	+	-	F	E	
D4						Ver				1	0	0	1									\pm	\pm		:
	25	5					>										1	+	+	+	+	+	+		10
D5			7				Dark Gray		Plastic	1	0	1	1				=	-							Ma
	30	E					Jark		P									+		+	-	+	ATT	9 3	াপিটগৃ1৫ <i>৫</i> নিরুজ্জামান ভূইয়
D6			\exists				-			1	0	1	1						-	+	\perp				ভূতক্তবিদ পানি বিজ্ঞান উপ-বিভাগ
	35	E						F											\pm	Ė			2/10	4	পানি বিজ্ঞান উপ-বিভাগ গোটবো, যগোৱা।
D7					-	_		MOIST		1	1	1	1					+	+	+	+	-			
Do	40		\exists	Clay with Little silt				~										\mp						H	
D8						Soft	_			1	1	2	3					+	\pm		+	F		H	
D9	45					"						-				+	+	+	+		-				
DS	888				-	_				1	1	2	3											H	
)10	50					M.S.										+	+	+	+		+			H	
710			}		+	_		-		1	3	7	8			7	=	F						H	
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						Se	Gray			5	8	10	12				\mp	F							
12	60			ery fine sand with trac		Medium Dense			stic									F							
	6-		'	silt	e	E			Non-plastic	8	12	14	16	_	F	-	F	F	F		F			\exists	- 1
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=	70					2				10	12	15	18			+	+	-		_					
14	70									10	13	16	10												
	-		_			- 1		- 1	- 1	TO	TO	16	19	- 1	-	-	-	-							

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

(মোঃ সাজ্জাদুল হক) উদ-সহকারী ধ্রেইকী/শারী কর্মকর্তা লগুয়ানেকী পান্তর শাখা বাপাউবো,শামনগর

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

								FI	ELD	BC	RE	LO	G												
			nabilitation of polder n	o 15	at s	atkhi	ira d	istric	t un	der	SITE	: 9 r	o sh	ora											
satl	khira	a 08	km division								P.S:	Shya	amna	agar	5				DI	ST:	Sa	tkh	ira	1	
100	`ATI	ON	9 no shora khal								ПОІ	E NI	D: H4	1					C	01	LNII	D. I.	L/	П	1.25
_			N,O&M DIVISION-1, Sa	tkhir	ra .								LEVE		15 r	n			AT	_		7:C	_	_	: 1.25 m HRS
			ED: 01-06-2022	_		MPL	ETED	: 01-	06-22	2		DATE		LJ	7 1	11			AI			7.0	-		ПКЭ
			': GWHD-2	_		g-21							EPT	H: 72	2 ft										
	To	П				PHYS		L	DI	STU			MPL			PE	NE	TR	AT	10	N.	TE:	ST		INDEX
No of Sample	of Sample	a	LITHOLOGICAL DESCRIPTION		DENSITY	COLOR	MOISTURE	DILATANCY	_	LOW	/S O		BLO O CAS	WS N		0 (OF		OV	VS	PE	R :		Т	Disturb Undisturb
No o	Туре	Sc	DESCRIPTION		DEN	8	MOIS	DILAT	0/6	/	12/ /18	/	0/12	12/	10	20	30	40	50	09	70	80	90	100	REMARKS
	5																								
D1									0	1	1	1													
E	10																								
D2									1	0	1	1												H	
	15																								
D3					Ħ				1	0	1	1												H	
	20		Clay with trace silt		Very soft																			H	
D4	-				Ver				1	0	1	1													da
	25																								2810972022
D5	25							Plastic	1	1	1	1											6-94	8	মনিকজামান ভূইয় ভূত্রবিদ
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D6	30								1	1	1	1												Ħ	বাপাউবো, যশোর।
- 00									1	1	1	1							-					\exists	
D.7	35					ЭУ	IST																	H	
D7						Gray	MOIST		1	1	1	2												Ħ	
	40																							Е	
D8					Soft				1	1	2	2												H	
	45		Clay with Little silt		S																			Ħ	
D9			•						1	2	2	3													
	50				Stiff																_			Ħ	
D10)				S				2	6	9	12												H	
	55																								
D11									6	8	10	12												Ħ	
	60				nse			U																H	
D12			Very fine sand with tr	ace	De			asti	8	10	13	15												E	
			silt		inm			Non-plastic																H	,
D13	65				Medium Dense			No	8	12	13	15												Ħ	
					2				0	17	13	10													
D14	70								9	12	1 [10												H	
214									3	13	15	18													

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

(साँउ नाष्ट्रापूष्ट ठ्क) ठॅग-महस्त्री धलोग्ली/नार्ग कर्षकर्ज न्यसाट्वेटी अस्त माथा वांशास्त्रीत्वां, माधनगत

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG

	_																							
Pro	ject chir	t:Re	habilitation of polder n &m division	o 15	ats	satkh	nira c	listri	ct un	der	SIT	E: 9 ı	no sł	nora										
Jaco	XI III	a o	an aivision								P.S	: Shy	amn	agaı				D	IST	: Sa	itkl	hira	9	
100	`ΑΤ	ION	: 9 no shora khal								ШО	LEN	O: H					_	D.O.	LINI	D 1	E) /		
_			N,O&M DIVISION-1, Sa	+khi	ra						-		LEVI		12.			\rightarrow		UN			EL	: .95 m
			TED: 31-05-2022	_		MADI	CTC), 21	-05-2	2	_			:L: .S	13 r	n		A	I		7:0	00		HRS
			Y: GWHD-2	_		ig-2); 31.	-05-2		+	DAT		11. 7	2.5									
DIXI	T	_	1. GWIID-2	ON	7	PHY	-	1	L	CTU	-		DEPT		2 TI	-100								94
ole	Sample				-	T	JICA	IL.	_				MPL	. ES DWS	-	PE	NET	KA	ПС	N	ΤĿ	ST		INDEX
a u	San	(F)	LITHOLOGICAL		>	_	RE	S	B	LOV	VS C	N	1	N	N	0 (OF E	LO	WS	PE	R	1 F	Т	Disturb
No of Sample	of	<u>a</u>	DESCRIPTION		DENSITY	COLOR	MOISTURE	DILATANCY		SPO	NOC			SING			PEN	IETI	RA	TIC	N			Undisturb
00	Type	. S	DESCRIPTION		DEN	8	010	A	0 /	6/	12/	18/	_	12/					Т	Т				
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	10000								0	1	1	1	_	_			+	+		F			H	
	10				Very soft													-					H	
D2					7				1	0	1	1						\pm			E			
	15		Clay with trace silt		Ve												+	\pm						
D3									0	0	1	1					\pm	+					Н	
	20																+	+					H	
D4	20								0	1	1	1						+					H	
-									0	_1	1	1				\exists	+	+				H	H	1.
	25							i.i.									-	-		F			H	AA
D5					Soft			Plastic	1	1	2	2												25/09/2022
	30		Clay with Little silt		S			Δ.									\pm				C	मार		ানিকজামান ভূইর
D6			oldy With Little Silt						1	1	2	2					\pm				- 70	চগৰ		ভূতত্ত্বিদ পানি বিক্রান উপ-বিভা
	35				Oft	1										=	\mp	+			_	-		াপাউবো, যশোর।
D7	55				V.Soft	Gray	Moist		1	1	1	2				7	+	+						
			Clay with trace silt			Ğ	ĭ		Т	Т	1					\exists						\Box	=	
	40																	\vdash					\exists	
D8					Soft				1	1	2	3												
	45				S											\Rightarrow								
D9			Clay with some silt						1	2	2	4					+							
	50		Clay with some sit		ff					_						7	+						\exists	
D10	30				Stiff				5	6	0	11				\dashv	+	=					╡	
				-	a			_	5	6	8	11		-		\dashv	+						\exists	
	55				Medium Dense											7	+	\vdash	\exists		\exists	\dashv	\exists	
D11					٦ ا				7	12	14	16				1	\pm						\exists	88
	60				diui			i.			_						\pm							
D12			Very fine sand with tra	ice	Me			last	8	13	15	18				\Rightarrow	+							- 1
	c F		silt	Ì				Non-plastic							\dashv	\pm	+							
D13	65				ا يو			8		10	10	17			1	+	+					\Rightarrow	\exists	9
					Dense				9	16	16	17			7	\mp	+					#		
	70							-								\dashv	-					7	\exists	
D14	1	_		- 1					10	16	18	201												- 1

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

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