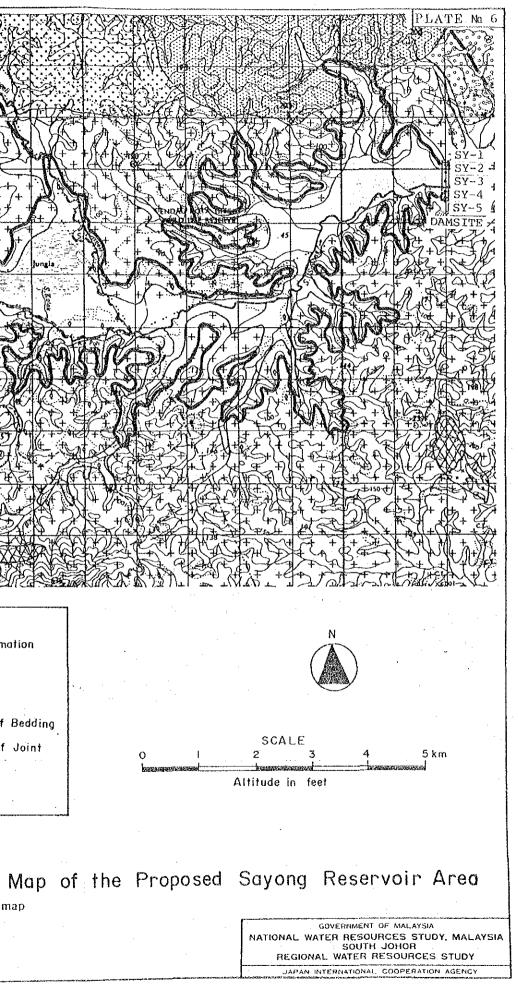
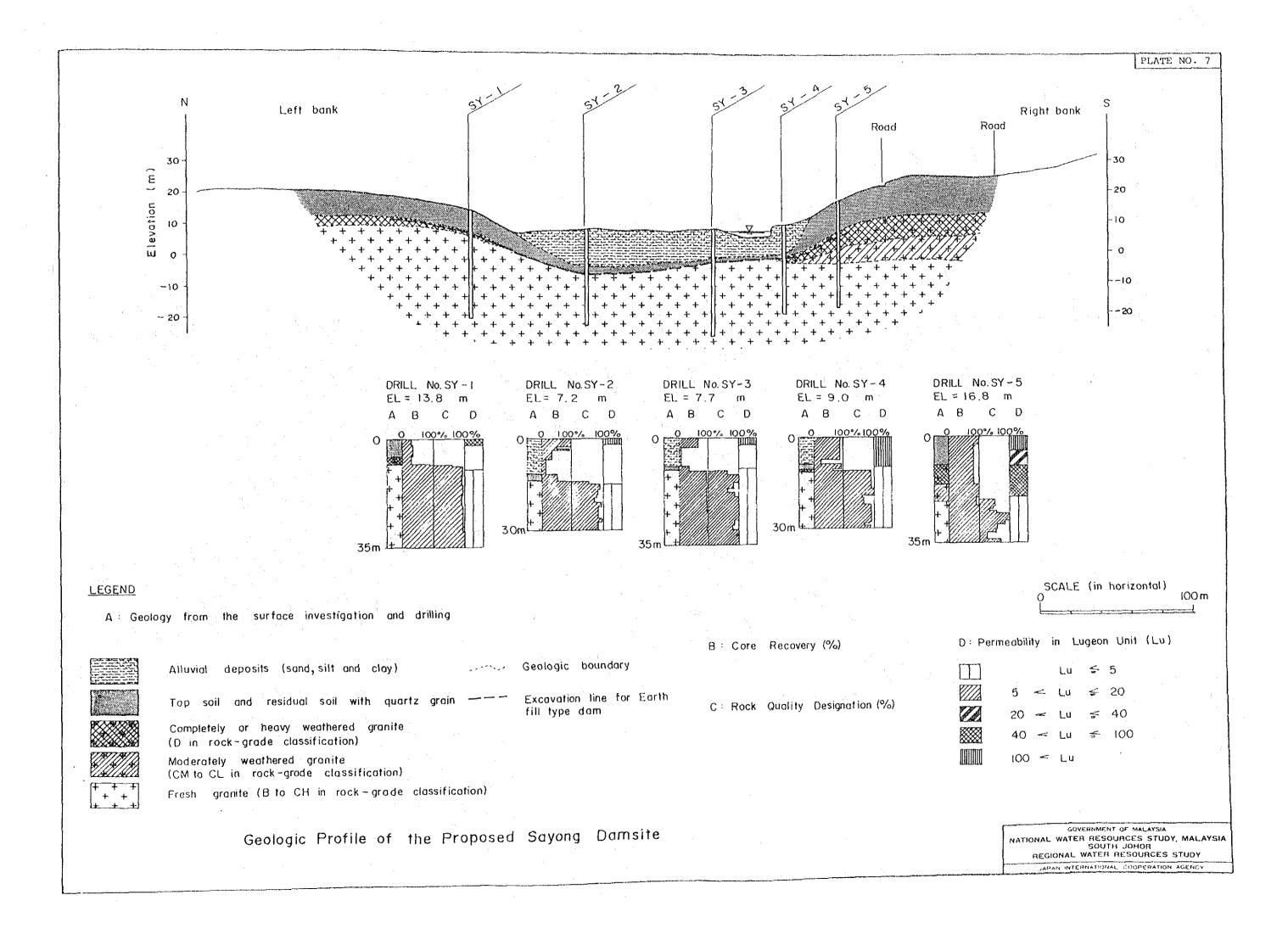


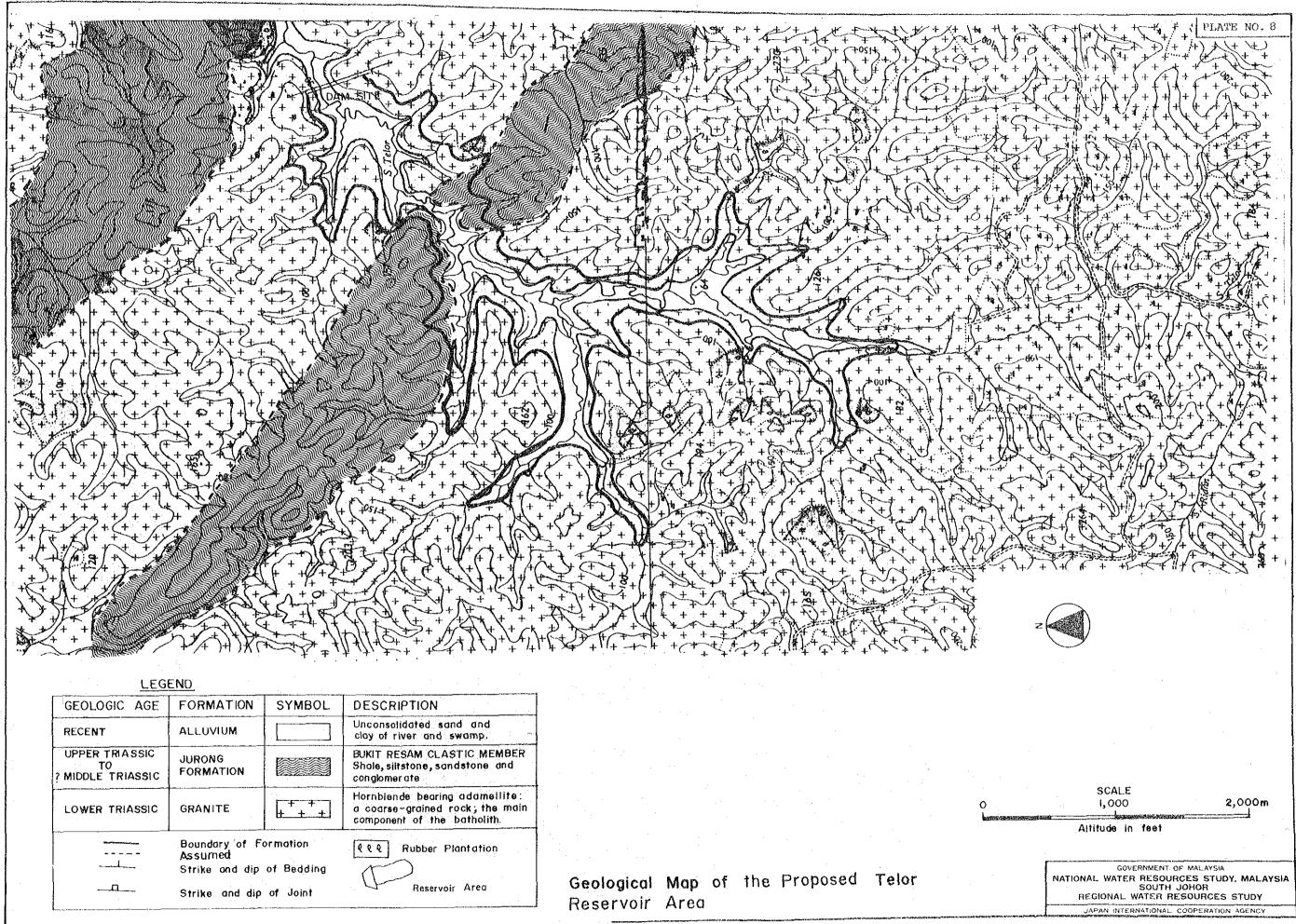
GEOLOGIC AGE	FORMATION	-SYMBOL	DESCRIPTION & LITHOLOGY		
HOLLOCENE	ALLUVIUM		River and swamp alluvium Mainly sand, silt and clay		Boundary of Formation
PLEISTOCENE	TERRACE DEPOSITS	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mainly sand, silt with some gravel.		Fault
PLEISTOCENE (?)	LAYANG		Pengel: Sand member:quartz-feldspatic sand, sandy clay.		Inferred Fault
PLIOCENE	LAYANG FORMATION		Badak Shale member, soft shale, sandy clay, clay loam.		Strike and dip of Bedding Strike and dip of Joint
LOWER CRETACEOUS	TEBAK FORMATION		Massive cross-bedded sandstone with intercalations of mudstone and grit.	•	Drilling Hole
LOWER TRIASSIC	GRANITE		Hornblende bearing adamellite ; a course-grained rock.		Reservoir Area

x x x x x x x x x x x x x x x x	Microadamellite, fine-grained adamellite and microgranite: minor very fine-grained counterparts of the coarser grained granitic components of the batholith.	Geological (After the geological prepared by G.S.D)
	Diorite and monzonite: possibly granitized gabbro.	

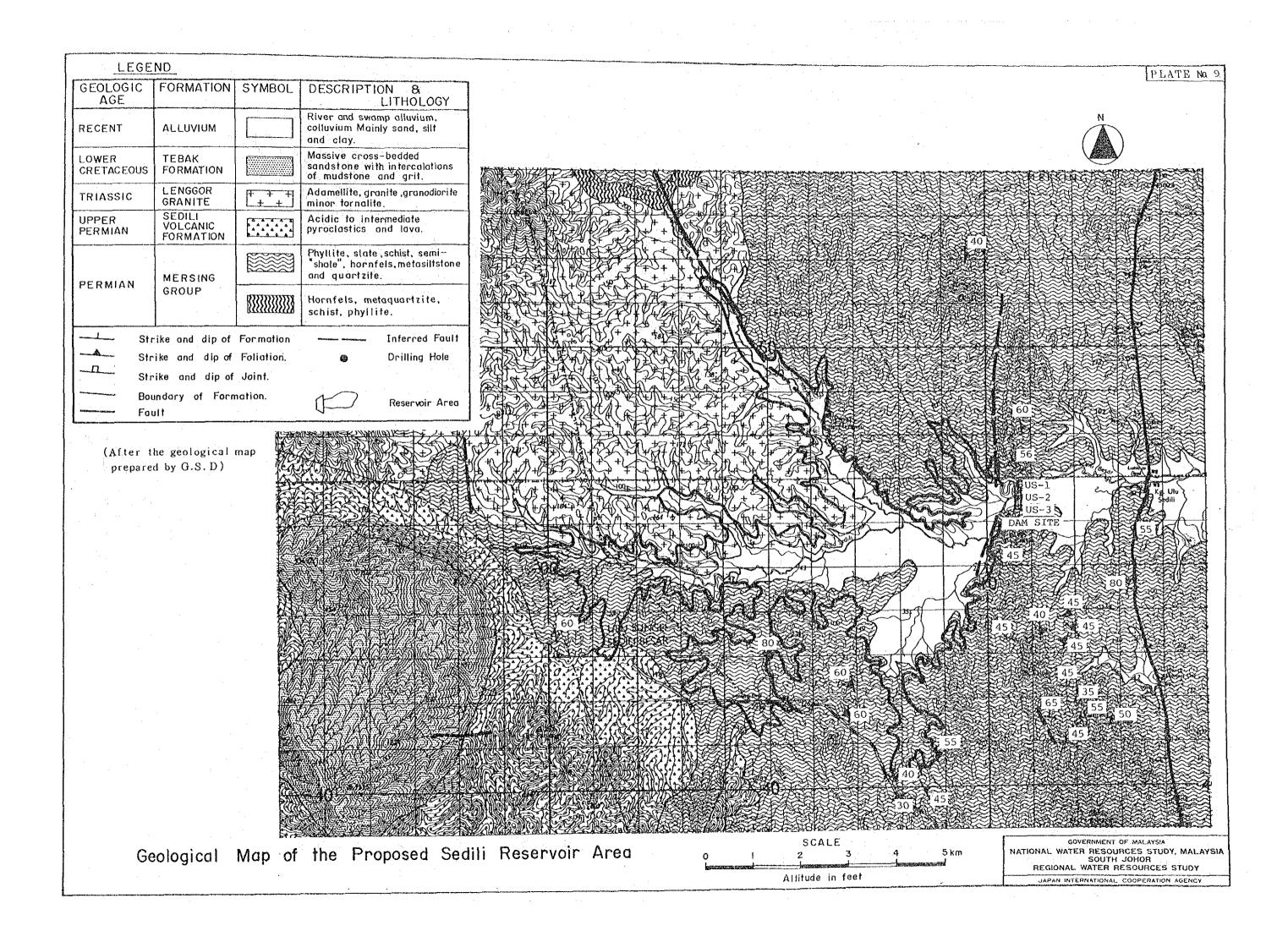
map

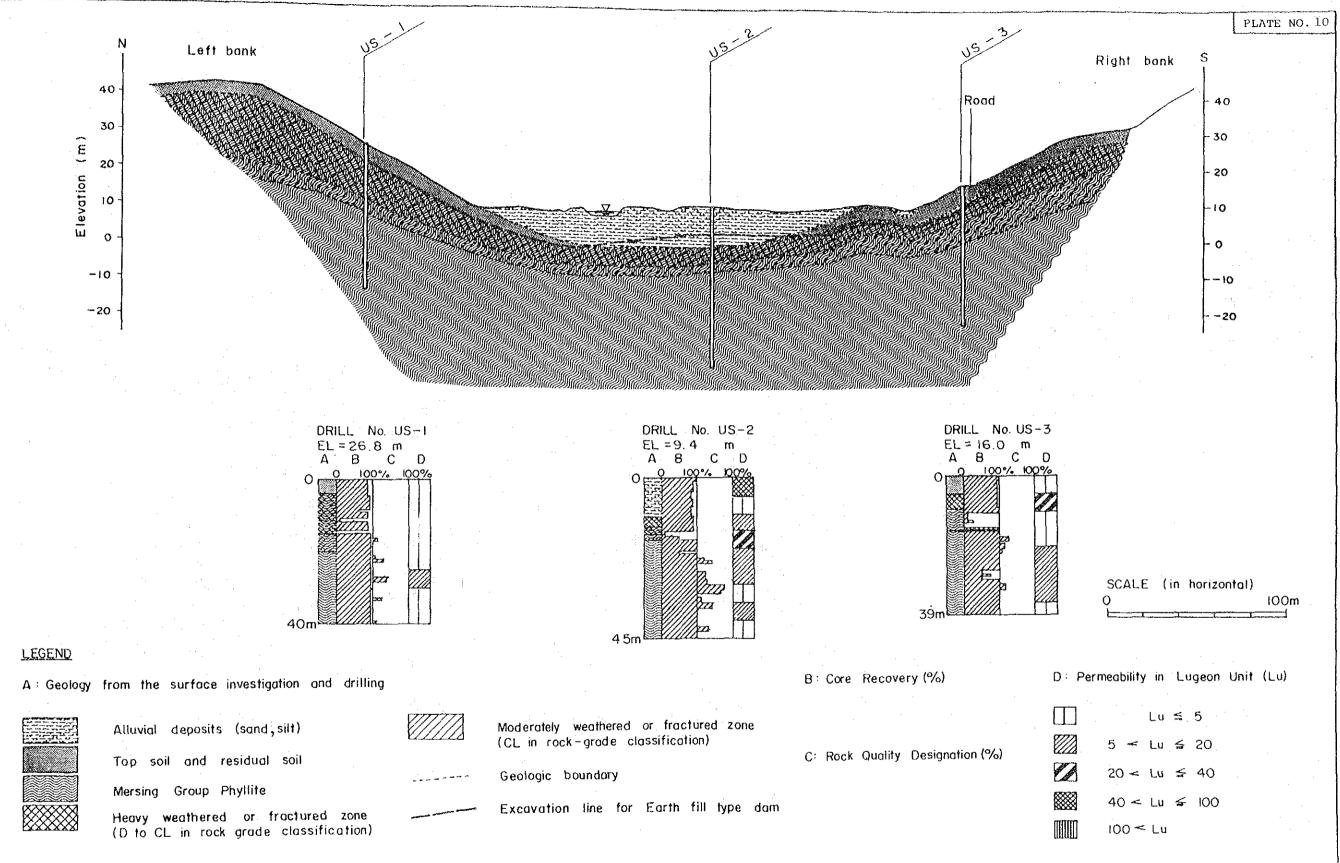






GEOLOGIC AGE	FORMATION	SYMBOL	DESCRIPTION
RECENT	ALLUVIUM		Unconsolidated sand and clay of river and swamp.
UPPER TRIASSIC TO MIDDLE TRIASSIC	JURONG FORMATION		BUKIT RESAM CLASTIC MEMBER Shale, siltstone, sandstone and conglomerate
LOWER TRIASSIC	GRANITE		Hornblende bearing adamellite: a coarse-grained rock; the main component of the batholith.
	Boundary of F Assumed Strike ond dip Strike and dip	of Bedding	Rubber Plantation

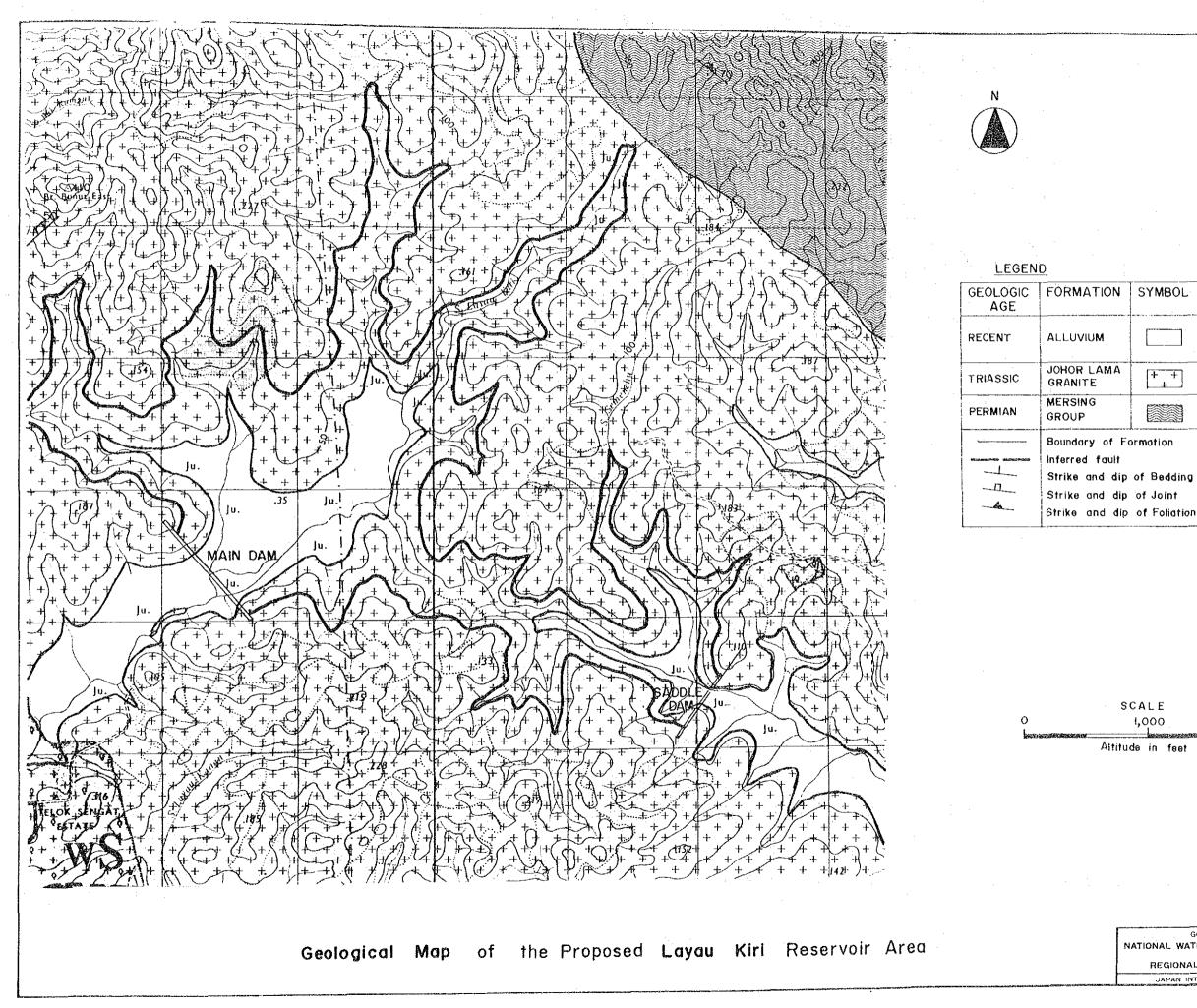


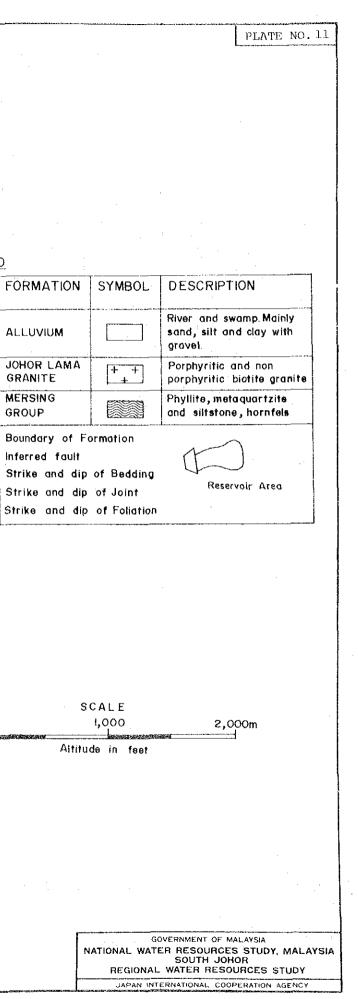


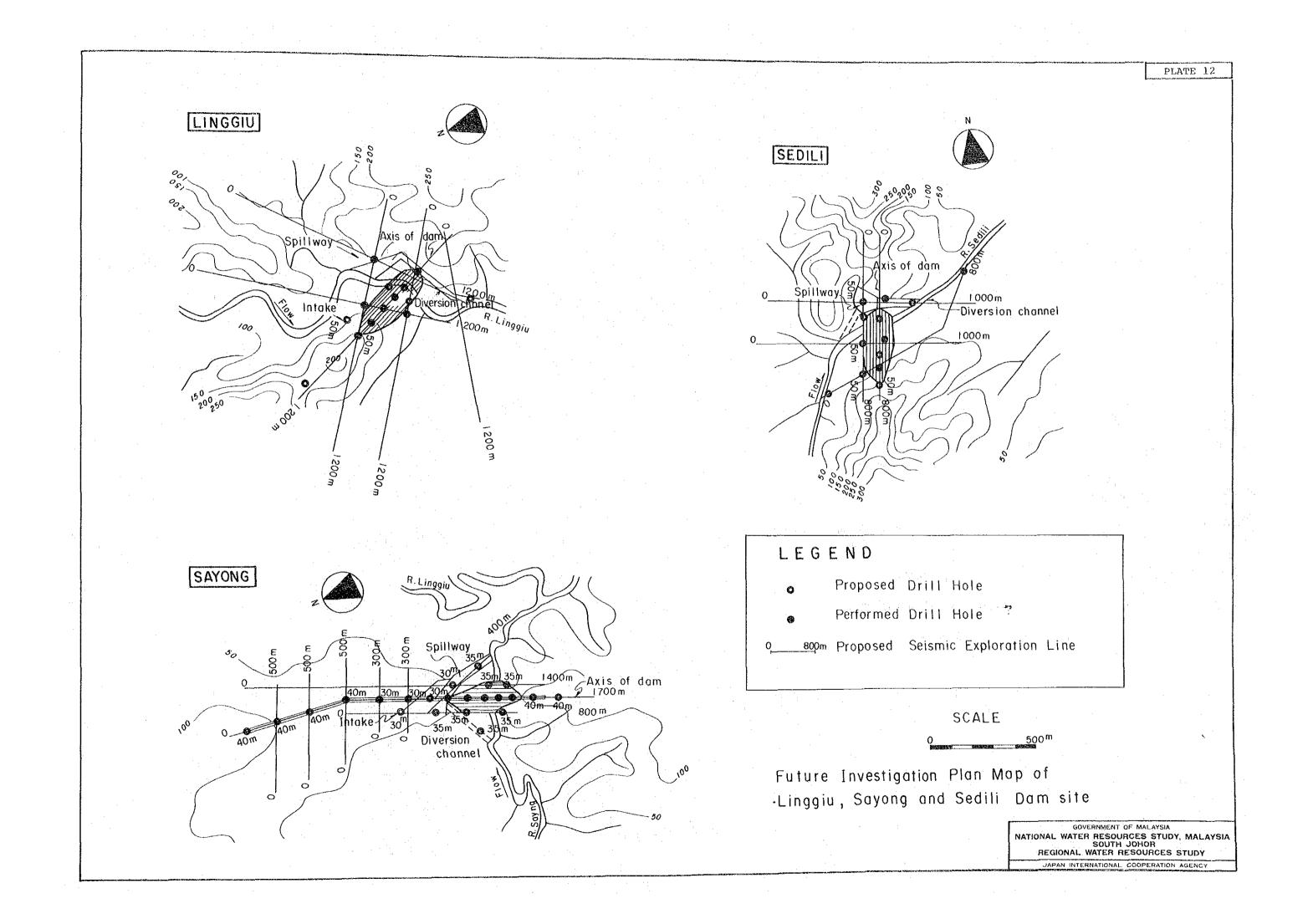
Geologic Profile of the Proposed Sedili Damsite

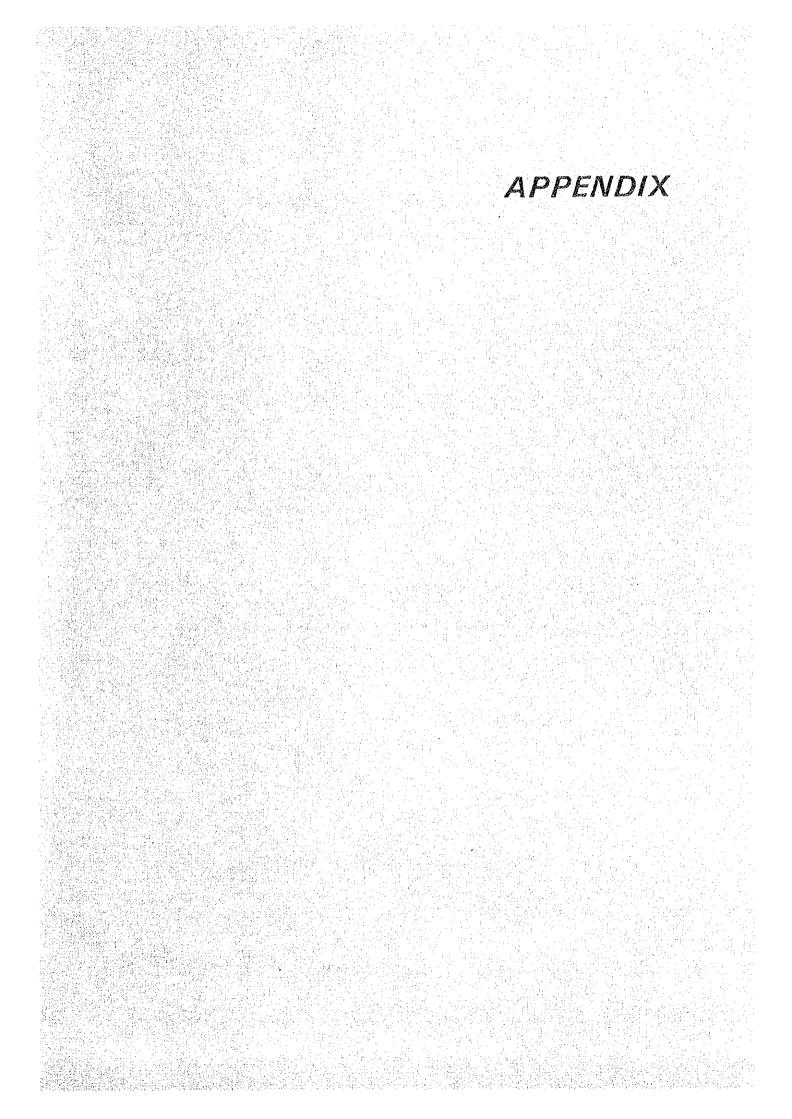
]		Լս	V	5
	5 🛩	Lu	듞	20
]	20 <	Lu	4	40
3	40 ~	Լս	4	100
[]	100 ~	Lu		

GOVERNMENT OF MALAYSIA NATIONAL WATER RESOURCES STUDY, MALAYSIA SOUTH JOHOR REGIONAL WATER RESOURCES STUDY JAPAN INTERNATIONAL COOPERATION AGENCY









LIST OF DRAWINGS FOR DRILL LOG

		•				WI DRGD	FOR D	XLLA 4		
A	1	Explar	natio	n c	of drill	l log c	olumn:			
A	2	Drill	log d	óf	Linggiı	ı damsi	ite,	Hole	No.	LG-1
A	3	Drill	log d	of	Linggiu	ı damsi	ite, '	Hole	No.	LG-1
λ	4	Drill	lög d	of	Linggiu	ı damsi	ite,	Hole	No.	LG-2
A	ົວ	Drill	log (of	Linggiu	ı damsi	ite,	Hole	No.	LG-2
A	6	Drill	log d	of	Linggiu	ı damsi	ite,	Hole	No.	LG-3
A	7	Drill	log d	of	Linggiı	ı damsi	ite,	Hole	No.	LG-3
A	8	Drill	log (of	Sayong	damsit	ce,	Hole	No.	SY-1
A	9	Drill	log (οf	Sayong	damsit	ce,	Hole	No.	SY-1
A	10	Drill	log d	of	Sayong	damsit	ce,	Hole	No.	SY-2
A	11	Drill	log d	of	Sayong	damsit	;e,	Hole	No.	SY-3
A	12	Drill	log d	of	Sayong	damsit	ce,	Hole	No.	SY-3
A	13	Drill	log d	of	Sayong	damsit	;e,	Hole	No.	SY-4
A	14	Drill	log d	of	Sayong	damsit	te,	Hole	No.	SY-5
A	15	Drill	log d	of	Sayong	damsit	це,	Hole	No.	SY-5
A	16	Drill	log c	of	Sedili	damsi.t	се,	Hole	No.	US-1
A	17	Drill	log c	of	Sedili	damsit	:е,	Hole	No.	US-1
A		Drill	log d	of	Sedili	damsit	e,	Hole	No.	US-2
A	19	Drill	log d	of	Sedili	damsit	:e,	Hole	No.	US-2
A	20	Drill	log a	of.	Sedili	damsit	се,	Hole	No.	US-3
A	21	Drill	lòg d	of	Sedili	damsit	:e,	Hole	No.	US-3

С

D

Έ

Explanation of Drill Log Column

Core Recovery (5) and Section Column Section в А Clay Cylindric Core Silt Fractured Core Fractured and Sand Slimitic Core Silty CLAY Clayey Core Clayey SILT Silty SAND Gravelly SAND Phyllite Rhyolite and Tuff Granite

R.Q.D. = Rock Quality Designation (%)
(Total length of cylindric cores longer than 10cm) /
(Total core length) x 100%

Water Pressure Tests

Lu Lugeon Value : litre/min/m under injection water pressure of 10 kg/cm²

K Permeability coefficiency

Standard Penetration Tests

Blows No/30cm Penetrated

50 Blows No./Penetrated Length (cm)

.

DRILL LOG

HOLE NO. LG-1 SHEET NO. 1 OF 2

	PROJE			LAR RESOU	RCES STUDY OF S. JOHORE - CON	E DRI	LLING	DEPTH	50 metr	es fil EVATI	20	
	SITI		Linggiu		COORDINATE	:		INCLINATION	Vertica	1 DRILL	RIG Koken OE-	21
AV	ERAGE RECOV	CORE ERY			DATE FROM 22-18-84	TO 11	12 84	ORILLED	Ramly	LOGG	ED K.Y.Wong	ţ
		NO	ROCK TYPE			* *	5	CORE				Ĩ
끝	нл тэп	ELEVATION	OR	. COLCMN	DESCRIPTION	NT & MAMNTER	RORNDWATER	RECOVERY	R. Q. D	LUGEC	SSURE TEST	
D.A.FI	30	1 1 1	FORMATION	SECTION		12 2	83			STANDARD P	ND ENETRATION, TEST	
	n 1							% cm	. %	0 <u>3</u>	.) LI	ъ
	-					65 mm	Time: 0800hr.	100				111
	_			64	Very stiff, brown, silty			18				
	-				CLAY with fine gravel			55		Q 16	/30	-
	-	1	TOP SOIL			.		28				
22	2-50		101 3011			-	3-00 m.	55		i i i i i i i i i i i i i i i i i i i	β <u>/</u> 30	
	3-50	:	SOIL	00 L	Hard, reddish brown, silty CLAY with fine gravel		10 Dec.	115			SPT Plot	Ş
	4.00	T				1		85			5071	2
Ē	1.0	7						118	1.41=	334 ,]]	50/15	~
23	5.00				Hard, yellowish brown with		500 m	70	К=2	$.8 \times 10^{-3}$		
Ę		7			mottled white, silty CLAY with gravel		25 Nov.	118			50730	>
Ē				1 1				0				-
24			1	1 1	Completely weathered, brown, rhyolite at 4m to		6-50 m.	17			50413	ŝ
1				L 1	brown, rhyolite at 4m to 5m B.G.L.		26 Nov.	13			50/14	÷
III.	-	: `		× 80 1 1				24				2
Ē	8.18						8-50 m.	18	1u=9	8 _3 #	50/3	7
Ē	- -	-		· 1 1		1	27 & 28 Nov		K=1.	1x10 ⁻³ ((
1111		1	RESIDUAL	1 1			l	14		1	50/14	€
E	-		SOIL			1.	·	42		1		
	10-1							14)) == ((50/14	₹
1		1				1	11-00 m.	50		1111/1		
25				~ ~~~			11 Dec.	-10			307.10	_
		1 .				1.11		90		<u> </u>	50/7 -	>
E				40	Hard, dark brown, silty CLAY with fine sandy grave.	- ·	12-50 m.	67	::::::::::::::::::::::::::::::::::::::	3 _4 {)		-
Ē	13-0				CLAY with fine sandy grave.	-	29 Nov.	6	K=8.	3x10 ⁻⁴	50/6	>
Ē	_				Completely weathered, brown, rhyolite at 11.4m			68				-
26 E				04	B.G.L.		}	8			50/8	2
. 6	- 1		RESIDUAL	1 1				67	1		50/5	
	15 15-03	-	SOIL					50)/		2
	- 15.7	<u>i</u>				{		50				
1			RHYOLITE		(Completely weathered : D)			100				
1	16-5	5	- - - -								Lu=54 -4	-
27		1	CLAY				1 :			$=$ μ	K=7.2x10 ⁻⁴	
Έ	18_0	o			Very weak, brown, partly))		
E L			RHYOLITE		Clayey structure, RHYOLITE (Completely weathered : D)	1	18-49 m. 30 Nov	36		{(
		-				-						-
E	_		CLAY				20·00m.	0				÷
-Ę	20 20-0		- <u> </u>		}	1	1 Dec.					
Ē	-	1						100)/		-
L.CL						1						-
28È		1						10		<u> </u>		
1		1			Weak to moderately strong,	1				((-	÷
1111		1	ļ		wholly discoloured with shades of yellow, brown		l	95		((Lu=54 K=7.2x10 ⁻⁴	
Ē	23-4	5 ·			and pink, blocky angular	1						<u>-</u>
Ē					fractured, brecciated RHYOLITE	1		35				-
- H	_		ļ				[÷
Ę	25		1 ·			[less"				
1					(Highly to moderately	ł						
. <u>1</u> 1	_	1	ł		weathered : C _M -C _L ,	[ET 14	ſ			
29 E	- · .	1			Partly D)	}	ļ		158			
Ë	4											
1	-							98		Lu=28		
Ē			e 🖡 en			1		100		K≃3.7x10	4	
. 6	-		1					sal [-
툳	29-1	4	RHYOLITE			1		100-				
		4 1	1	ELST BEER WARDER			1			. en	a second s	

FIGAD is light value restriction. Address function is sprawness of #116.00X VMLE is from a under injection water pressure of like em-bilityTH and ELEVATION are a meter #DIAMETER of a millioner.

DRILL LOG HOLE NO. LG-1 SHEET NO. 2 OF 2

	17R 	OTEC	· · · ·	EGIUNAL ANI		RCES STUDY OF S. JOHORE - COR			1	50 met		ELEVATION	<u> </u>	
		ATE -		inggiu		COORDINATE			INCLENATION	Vertic	a1	DRILL RIG		n OE-2
.11	T.R. AF	AGE CDYE	ORE RY			DATE FROM 22-11-84		2.84	DRILLED	Ramly		LOCCED	K.Y.	Wong
	[-	Ę	ROCK TYPE	COLUMN		BIT &	ROUNDWATER LEVEL	CORE		WA1	TER PRESS	URE T	EST
믭		DEPTH	P.F.XATUW	08	COLUMN	DESCRIPTION	L S	LEVEL.	RECOVERY	<u>R. Q. D</u>	-	LUGEON		
¥đ.		115	1.4.1	FORMATION	SECTION		11	108				Lummin	ALLE.	
	301		ند. 				65 mm		12 10		8=F			
		30+30		1				•	30 50					
						a talah sa	1		50					
				ц z		Very weak, wholly disco-						1=30		
				ZONE		loured, gravelly fractured, brecciated RHYOLITE	 .		40		6 -	4.0x10 ⁻⁴		
30				S	A AK						in line	4.0x10		
				SHEARED		(Completely to highly	{ · ·							
				ŝ		weathered : D-CL)			0					
		34-70		RHYOLIT	E		<u> </u> .					decelerated.		
	35			T - · · - · · ·					20	241				
-		35-50				Weak to moderately strong,	1		80					
	-					wholly discoloured with shades of light grey, light pink and reddish brown								
	FI)			pink and reddish brown stained, gravelly		10	50					
						fractured, brecciated					1111 1 Lu	1206514). =28		
1				RHYOLITE		RHYOLITE	1		38			3.7x10 ⁻⁴		111
						(Highly weathered : C _L)	l		30					
						(mighty seatured . cl)								
Į				Į.,			ļ		50					
	101	40.00					1							
				SHEARED		(Completely to highly	Ι.		0					
				ЧЧ Z Z Z Z Z	F G-30	weathered : $D-C_L$)								
		42.00					ļ		0			1		
3							1 ·							
		•					ļ		55					
	-			-		Weak to moderately strong,	Í							
					F.C.N	Weak to moderately strong, wholly discoloured with shades of light grey, light				-				
		45-00				pink and reddish brown stained, blocky angular to								
	654				【大人	gravelly fractured,								
10						brecciated RHYOLITE			18 ⁹²					
							{							
-	-+	47-00												
				1					100					
						(Highly to moderately			50					
n		1		RHYOLITE		weathered : $C_{M}-C_{L}$)	1							
				In roll i to			· ·		150					
	En l	:					 			1. 14				<u>in lin</u> s
					1	END OF BOREHOLE - 50 m.	[
	4													
	-1	1					ļ							
	H					Note ; Drilling stopped at								
ł						45m. and extented								
						to 50m.		÷.						
			Į											
				1										
	-			1										
.	-		1	1	1	1		· ·						
								·						
		•	1		<u>}</u>		۱. ۱							
Ì	Ĕ.		} ·	1			1							
	[}	1	1		1							
L	<u>- 1</u>		ــــــــــــــــــــــــــــــــــــــ	,		La superior de la companya de la comp		Lear	-	ومر والمعتقق ومراجع		I CO.,		كا يجرون فيخيم

ELECTION VALUE is immin under insection sater pressure of 10kg.cm.
 ELECTION VALUE is immin under insection sater pressure of 10kg.cm.
 ELECTION VERSURE is immissioner.

DRILL LOG

HOLE NO. LG-2 SHEET NO. 1 OF 2

CONSULTING ENGINEERS, FORYO.

	PROJEC	T I	DRILL		CES STUDY OF S. JOHORE - COR			γ·····	SHEET			- <u>-</u>	1
	SITE		Linggiu		COORDINATE :	E ORI	LLING	DEPTH	42 met Vertic		DRILL RIG	Koken OE	-2L
AVE	RACE	CORE			DATE FROM 5-12-84	TO: 17	12-84	DRILLED			LOGGED	K.Y.Won	
-		1	ROCK TYPE	ſ		* 3	1 1	CORE				<u></u>	
μ	DEPTH	ATR.	OR	COLUMN	DESCRIPTION		UNIVAT	RECOVERY	R. Q. D	WA	LUGEON		HJ.J
DAT	DE	EL EVATION	FORMATION	SECTION		HIT &	ROUNTWATER I EVEL			ATE	AND INAR DRADH	ETRATION TEST	
	7				0======,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=,=		times		<u>sa</u>				10
E L				1.1	Very loose, light brown,		0800hr.	100			Lu=55 K=7.4x		
-	•				silty SAND			21 55		ဂု၊ ဒ	/30	X I	
1	1						Average for 5 days	30		l d	4/ 30	Ś	
1	3.00	<u> </u>	SOIL			4	1.00m.	55					
5 11	400		ALLUVIAL	. ¢	Loose, yellowish grey, medium to coarse SAND,		4-00 m	30 ISS 155		ŝ	5/30	3	
	4-10	<u>†</u>		1	little_gravel	η –	648 Dec.	20			Q 13/30		
L L	5	j						55 			\sim	<u> </u>	4.5
	•			8	Medium dense, yellovish			55					
					grey, medium to coarse					5		267 9	
 	-							25		$ \rangle$			
-	7.45	1.	ALLUVIAL			ļ	1	55			(⁰		
1	- 8-30	┨───				-					(Lu=85 (K=1.1x1	-3 50/20	
ىلەد	· ·.			(00 	Hard, yellowish brown, silty CLAY, some sandy			17			(; K=1.1X1	0 30/30	
6	10.00		RESIDUAL	1.1.0	gravel		Ì	55			}		1,0
	0	1			Hard, light greyish, flour]	;	19 55			<u>}</u>	Q 25/30	-
					structure, rhyolitic TUFF,			15)/ Lu=53	34730	H
	12-00		RHYOLITIC		with rhyolite fragments (Completely weathered : D)			55) K=7.0	(10-4 19-5	L
1		1	TUFF		(completely neachered : b)	-		12 55		-	\}	5d/20	2
7			- 		· .			14			3	50/15	>
	- 14-13							50			γ		
8		-				: .		5 87			}		-
	5 15-13							12			1	90/13	¥ .
i in	-							87			<u> </u>	50/12	
9	-				Hard, light greyish,			88				51/0	
	- L				clayey silty SAND, some		•	7			₩Lu=62 (: K=8.3x	10 ⁻⁴	-
Ē	18 06				fragments of rhyolite		1	91			3		->
- mila								94			2		
L in	÷ľ.				- -			15			(f		-
1	20							10			1	50/10	20
13 11	-1	1						90			2	50/11	-
	-	1						10			\$		-
	-	j:						10			} Lu=71	50711	2
F	22.5	4	RHYOLITIC		(Completely to highly			49			(K=9.5x	10 ⁻⁴ 5075	
	-		TUFF		weathered : $D-C_L$)			5			2		-
1	24.00	╘┟╼┯╾			Hard, light greyish,	4					\$	50/1	2
14	5 25.10		RHYOLITE		RHYOLITE [boulder?] (CL)				(CALLAR)	08			- 25
		1.	RHYOLITIC		Light greyish, clayey silty SAND (Sandstone in origin, intrusion received](D-CL)	′				-	-{}		-
	25.9	24-**-	TUFF			1			TITTA .	01	\$11		
	- 270				Reddish brown and light pinkish, brecciated	Ì			<i></i>	Ì	} Lu=61	-4	
ΓĒ	_		RHYOLITE		RHYOLITE (Completely to highly weathered : D-CL)				308		{ K=8.2	×10	
	27.9	<u></u>			Tiche grouigh alavou pilt						35		
IS	-]'				Light greyish, clayey silt SAND [By fractured fault-	"]	1	15			- <u>}</u> - - -		-
1			RHYOLITIC TUFF		sandstone in origin) (D-CL)	1					}		3
L E	10				oul colimitric cores longer than 10 cm. Turat		Li . 2005.	مین ۱۳۹۹ می دود. XI	IPPON	KO	EI CO	., LTD.	

 $\label{eq: state of the state$

DRILL LOG

HOLE NO. LG-2 SHEET NO. 2 OF 2

•	Pŀ	OJEC	r ; f	REGIONAL WATE	R RESOU	RCES STUDY OF S. JOHORE	- COR	E DRII	LING	DEPTH	42 metre			
-		SITE		lingglu	······································	COORDINATE				INCLINATION	Vertical	DRILL RIG	Kpken OE-	21,
1	ÊŔ RF	AGE 6 COVE	CORE			DATE FROM	5-12-64	10 17 1		DRILLED	Salleh	LOCGED	K.Y.Won	<u>ig</u>
ſ	ari)			ROCK TYPE	FOLEMS		:	S. LER	ROUSOWALEN LEVEL	CORE	v	ATER PRESS	URE TEST	=
ļ		DEPTH	ELE ANTAIN	OR	4	DESCRIPTION		BT 8: DIAMETER	LEVEL.	RECOVERY	R. Q. D	LUGEON	VALUE	113
		TH	11	FORMATION	SECTION			181 F 141 A	1	%	48	<u>ອ</u>	5 m 5	
	30		·					65mm						30
Terrar I				1				1 1						
l.	-						1.		1				- (-
i i i i i				ļ		Light greyish, clayey SAND [Sand is after f		1		150	1	u=72		F
1		33.0				tured by faulting]					K	=9.6x10 ⁴		Ŀ
F										50				-
- Maria	4	33.5				(Completely to highly				34			\$ 	
1	-			RHYOLITIC		weathered : D-CL)								
E	35	35.5		TUFF					. :	45				1-
						Weak to moderately st shades of light grey,	rong,		•	1270				+
	-					shades of light grey, yellow and reddish br	 0WN							
						stained, gravelly fra precciated RHYOLITE,		4	I .					
THE P		. 1				partly cemented by rhyolitic tuff				88		u=31 <= 4.4x10 ⁻⁴		+-
1111	-				NA CE							(= 4.4XIO		-
1	_	39.7		RHYOLITE	秋燕 谷 (11) (11)	(Completely to highly weathered : D-C _L)				50				
Line Li	- 40	37.7			金運動									40
and the	-					Weak, light greyish, gravelly fractured,				30				
1000			ĺ	DUNOT THE		<pre>brecciated RHYOLITE, cemented by rhyolitic</pre>	tuff							
E.				RHYOLITE		(D-CL)				0				42
	42 				T	END OF BOREHOLE -	42 m.							
	_]											
LCL.	-													
		.												
11.11	_								•					+
i i i i	-]										
1111		.			1									-
E				l l										
	_													-
	-													
1111	-													
LILL.														-
Ë	_													
il li	-													
Line in			}		1									
LL LL					1									+-
والارتعال	-	:	ļ											
11111			l	1										
L.					1									-
	-													-
in the second								.						T
The second	-		ļ	1	1		· .							
1														-
			j		1		1.1							}_
								}						1
LU LL														1-
				1										
	-				Ì									-
1		L.	1		-L	uf cellédric cures tonger than 10 cm		-l	L	المطلب المسالم	PPON K		LTD.	

SRUD in these channes (secondaria). ICUDE Total length of collidere cores longer than 10 cm - Total core length SUCCERN MALE is I not in under injectual value pressure of 10kg cm SUEPTH and ELEVATION from meter SUEPTH and ELEVATION from meter

LOG FORM B

CONSULTING ENGINEERS, TOKYO.

DRILL LOG

HOLE NO. LG-3 SHEET NO. 1 OF 2

	PROJ	RCT	DUILL'		10000 CMUDY OF A 30000	HULE				NO.	1 01	 Gelden and Grander and Articles 	1
ا مىسىد	SIT		LINGGIU	TER RESO	COORDINATE 1	E - CORE DI	RILLING	INCLINATION	45.5 me Vertica	C1 03	LEVATION RILL RIC	KOKEN OE-	21
AVE	RAG	S CORE				22-11-84 10 2-	12.84	DRILLED				K.Y. Wong	
T			ROCK TYPE		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	1 de la companya de l	CORE	<u>L</u>				1
3161	DENTH	ELEVATION	OR UNCK LITT	COLUMN	DESCRIPTION	BIT &	ROLNUWATER	RECOVERY	R. Q. D		LUGEON	SURE TEST VALUE	E
5	DE	1913	FORMATION	SECTION		BIT	4TE	01	÷.,	STANDA	RO PEN	TRATION TEST	ā
- Eo	7					65mm	Times	% (ns		10			T
1.1			ĺ			ţ	0800 hr.	2001					
111-					Medium stiff, dark b	brown,	1-50 m. 25 Nov,	20 20 55		Å 8	480 - Y		
1.1	-				Silty CLAY			14	Lu=108				
2	·] ·	1 .						55	K=1.3x10	-3	1		
in the	-				· · · · ·			20 55		ξG	/80)		
	4.0	0	SOIL				· · ·	23		29	/80 1		
- Luni]	55			1		
Final Provide State	5.4	5	- I		Stiff, reddish brown Silty CLAY	ı, 		115		1	10730-		
يا يد	-11.		RESIDUAL					55 • 124	Lu=71	⊨ ({	213/30		
sel ne	6.5	0	SOIL				6-90 m.	55	K=8.9x10	~4 (X		
	1				Very stiff, light ye ish with mottled wh:		27 Nov.	114		\$, Q	21/30	
3	_		BROTOUNT	 	silty CLAY		8-00 m. 30 Nov .	55 25 25			Y	927/30	
ulu:	9-0	n	RESIDUAL SOIL		· .			55		X		X	
ш	40					:.	28 Nov. 9-60 m.	26		I (034730	
- -÷∺∺	0 10 (0			Hard, light yellowi:		<u>د</u>	55 23		- ((50/8	30
4	10-9	0			with mottled white, CLAY, some sandy gra		10-30 m. 28 Nov.	27		K			
- de la	1				(Completely to high	. 1		7				50%.7	1
uni					weathered : D - C		I Dec.	25		\$		90712	3
					· · · · · ·		12-70 m		Lu=53 K=7.1x10	4			
ייי שלי		ļ					13-00 m. 29 Nov.	REE .		FK		50/6	2
1 aut	·	· ['	WEATHERED					- 40 11		-		40/13	-
int.	-		RHYOLITE					87		((
- <u>-</u>	15-1							- 10			8	50/12	<u>)</u>
1	15	"						83			l (
6 E	_							100					- 1
	17.	00			Hard, reddish brown mottled white, silt			50			ļΚ		
- the	-			Nation	some sandy gravel			13	`Lu=67 K=9.0x1	-4	()		
L.		ļ			(Completely to high)	Ly		50 50	K=9.0X1	1	\parallel		
7	·				weathered : $D = C_{L}$			100			\rangle		
عياه	-					1)		20
1 Line	-							- 60					
Ē	21.	00						50			1		
u lu	- ,,	00	CLAY .					7			Įγ		
, in			RHYOLITE			1	1	50			\parallel		- -
10	23					·	1		Lu=81 K=1.0x1	0 ⁻³	\parallel		
	- [23						1	12			4		
Ē	-		ZONE		Very weak, wholly discoloured with sha	des of		30					-
12	25				pink, yellow and gre			30			+ (25
Ē		50	SHEARED		gravelly fractured, brecciated RHYOLITE						L (
1			SHE			.,	ŀ	50	Lu=53	_A 🗄			-
i interest	27	00			(Highly weathered: 0	'u'~	·	58	K=7.1x1) 7 E			
	- ,,	80	RHYOLITE				1		403		1		
29 6	7		1		Moderately strong to pinkish and grey, pa	strong, artly							
E L					reddish brown staine slightly fractured (ad.			87 7.				
	-		RHYOLITE		(Moderately weather			100	(Innn))		}		30
F.,	0	1 I I I I I I I I I I I I I I I I I I I			of ryindric cores longer than 10 cm					VOF	T CO	., LTD.	

;

#R.Q.D is Rock Quality Designation. R.Q.D.= Total Length of sylindric co ad.UCEON VALUE is 1 mm m under intertion water pressure of 10kg cm' #DEPTH and KLEVATION are in meter #DEATER is in millimeter

LOC FORM B

Fig. A 7

DRILL LOG

HOLE NO. LG-3 SHEET NO. 2 OF 2

CONSULTING ENGINEERS, TOKYO,

				DRILL		·	-										<u> </u>
		OJEC]	ľ R	EGIONAL WATE	R RESOU	CES STUDY OF S		E DRI	LLING	DEPŢ	·			ELEVATION DRILL RIG	KOKEN	08-3	71.
Ŧ		HTE 1785	ORE	PINCELO			FROM 22-11-84	TO 2	2.84	DRILL		Vertic		LOGGED	.		
	ц.	IGE COVE		<u></u>	<u></u>	j DATC	110010			1		M. Sal	1		<u>K.Y.</u>		(=-=-
	•	Ξ	SUEVA DON	ROCK LADE	COLUMN			BLT X DEAMETTER	BOUNDARES	CORE RECOVE	÷ .	K. Q. D	WAT	ER PRESS	URE TE	ST	E
		111111	EVA	OR	SECTION	DESCRIPT	ION		HET I		-			LUGEON	VALUE		Ξ
1	ск [.] т		ā	FORMATION	โรการเปลี่ย <i>เคร</i> ะสาง			i Ξ Ξ 65 mm	mie "inner		<u>m</u> (<u></u>			13 - 121 (121)	ы (::i::)	30-
į	30			RHYOLITE		(c _M - c_)		0.3	1	目	<u>ين</u> ا ss	24 608		\$			
	+	31-00					14-5+	7 1	í .	目)			
Ë		31-50				Moderately weak grevish, gravel		be	I	同	<u>ا م</u>		4	4			
	-					partly friable,	brecciate	t			65	K=7.	1x10				-
۶Ę				RHYOLITE		RHYOLITE (Highly to mode	rately				52)			
1	-	33-80		MIGHTE		weathered : CM	<u>- CL</u>)	-					1				
									ļ		64						-
ł	35	35:00				Moderately weak to reddish brow					50					-	35.
1111	-	(fractured, RHYC			,								
11111			•			н. Н			: I		0						
	-								; ,		30	101	Lu	=38 5.1x10 ⁻⁴			
1	-					(c _M - c _L)					80						
THE PARTY		38-70		RHYOLITE		en de la companya de La companya de la comp]]		E.							
	7			T	1000	Moderately stro light pinkish a	ng to stron	中.]			150		98				
141111	-	40.00				partly reddish slightly fractu	brown stair	ied,			<u> </u>		<u> </u>		<u> </u>		40
F	488 -	 				Light grey rhyc		1 1	1	E							
1111						inclusion at 41	.2 to 41.7	n	1			40%					
1	-					b.g.l. (Moderately wea	thered: C.	,									
Carles Press	-1	42.50		RHYOLITE				-	94.		soll	478					
Ĩ.	_			•		Moderately weak	, light				_//						
E	-					grevish, gravel brecciated RHY	ly fracture	a l			ISO					ļ	
1	-1								!								
E .	45			RHYOLITE		(C ^M - C ^L)			1		00						45
F		45-50	• <u> </u>	MIUSIIG		END OF BOREN		1				1 - 1					
Land Land	_1			ļ		END OF BOREN	10LE 45-5 m		i								
Ę									:								
Ē	-			l.					i i								
Line in]				[1				1				1
	{			ł													
The second	-								1								
The second	_]]					ļ								
1]													H
	-			1													
1111	_										in the second				Ē		, in the
1	4			1													
1	-								ļ								
L.	_	i							•				1				¹
il i	{			}					ا ا								\vdash
Line i	-			<u> </u>													
1		İ											1				
	_								ĺ				-				\vdash
	- [l				÷.,										
Ē				1					1								
				1	[·]		·		1*. .								
Ē	_ 1			1				1 7				1 4 4					

EGED in Such quality Dynamical 20010 - Dutat tength of celludric of MEDEON MALE 4: min manufer injection water pressure of 100g em EMEDER and MERCATION are in meter EPEAMETER (4: a) automater

[TORE FORM R]

DRILL LOG

HOLE NO. SY-1 SHEFT NO 1 OF 2

	TER RF	AGE (COVE	CORE . RY	G.SG.SAYONG		DATE FROM 21-11-6			рян.;	ED TED	Vertica		OGGEÐ	KOKEN O K.Y. Wo	ng ng
313.441		DEFTR	VOLINATIS	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	RUT K DAMATI BA	RUI NIWATER LEVEL	ORE RECOVE		8, Q, D		44	UNE TES VALUE NO TRATION TE	12
21				TOP SOIL		Stiff, yellowish brown, sandy silty CLAY	76 mn	0800 hr.		30 30 30	Lu=93 K=9.2x10		0 { 0 } 0 16/3	, , , , ,	0
22	يداسا سلسلسا سلا	2·50 3·00		RESIDUAL SOLL		Stiff, reddish brown, sandy clayey SILT with little gravel		δ·()0m.		45 33 30 36 35 30 55		- \ 01	/30 /30		5
23	davelue mulue	8.00		SOIL DERIVED FROM WEA.GRANITH		Stiff, light brown with mottled yellow, sandy clayey SLT with little gravel (Highly weathered: Partly	- bi	Average for 9 days		27 55 5 0		0.	12/30 SP17	Plat 50/	
75		8-50 10-50			+ + + + + +					136	50' 100 %		Lu=0.1 K=1.1x		ĸ
26	տես իշվումում։				+ + + + + +					140	90 %				
28	1	15-00			·+ * + ·+ + ·+ + ·+ + ·+ + ·+ + ·+ + ·+ + ·+ + ·+ + ·+ + ·+ + ·+ + ·+ + ·+ +	Strong to very strong, shades of white and grey with mottled black, bio-				148	100 %.		LU=0. K=1.5	1 x10 ⁻⁶	
	فيقدلهما يصلمنا يبي	18-00			+ +	tite GRANITE • Slightly weathered at 9.0m b.g.I. • Slightly fractured				150					
30	ահունուներություն	20-00	· · ·		+ + + + + + + + + + + + + + + + + + + +	* Light grey discoloratio from 23m to 31.5m b.g.1	>n			147	50%.		Lu=0.1 (=1.6x	10 ⁻⁶	
	السلمينا يساس	22.50			+ + + + + + + + + + + + + + + + + + + +	(Fresh : CH - B)	-			1506					
	ulun 25	25.50								1500	1007.		Lu=0.1 K=1.5×		
2	أستاعتم أيتعامد ايتع									150					
	Ë.,	30-0		GRANITE	+ + +	of cylindram onces concer than 10 om - Fotat	cure leave	5 . 199 .		NI NI	PPON	KOEI	C0.	<u>.</u> LTC).

DRILL LOG

HOLE NO. SY-1 SHEET NO. 2 OF 2

CONSULTING ENGINEERS, TOKYO,

			100.00	DRILL					د منه منه منه منه			NO.		سنست	<u>SH</u>	<u>EEI</u>	<u>, N</u>		2 ()]			
	PR	OTEC.		EGIONAL WATE					IORE -	CAR	E DRI	LLING	_i	PTH	1	met		<u> </u>	EVATION	· •		
70		TTE		G.SG.SAYONG	PINANG, S	AYONG		••••	:		<u>r() > -</u> -		NO.P			rtice	<u>11</u>		NIL NG		EN OE-	
. V. i ng p	RE:	CU/E	CORE. RY i				: UA	CE F	aom 2	-11-84			: DRU T	Ť			1			<u> K.Y</u>	. Wong	1-
		H	NOLI	ROCK TYPE	COLUMN					(HIT &	-ROUMDWAJER LEVEL	COR RECOV		R 4	8.0	8	ATER	PRES	SURE.	TEST	E.
		ндлан	IL EVATION	OR	SECTION		DESC	CRIPTIO.	N .	·	INT DIAMI	UND LEV	RZCI/	- CRI		6.17	١.	1.1	GEON	VALU	<u>.</u>	DEL
l		-	12	FORMATION	ļ						ΞΞ	ž.		n ^{-m}					<u></u>		15 - 15 1712 1712 171	. 30
	30			ĺ.		Stro	na to	verý s	trond,					1								-
	-			1997 - A. S. S.	[+_+]	shad	es of	white a	and gr													
È					+ + + +		ite GR	ed blad ANITE	ck.													<u> </u>
LUL .	-			1	+ +			fract	ured					1150	100	* //		Lu= K=4	0.4 .9x10	6		
Ē	-				+++			ey par		i												-
1	-	ļ		1	+ + +	di	scolor	ation a		5m				150								
Line.		į		GRANITE	+ + +	1	g,l. sh ⊧ C	H-B)														
Ē	35			GRADITE	+ +							~ <u>~</u> ~~~		1-1		UUUU	21					35
Lu Lu	-					ENU	UP BU	REHOL); - 32	m,												
Line:																						
1	4	ļ	.*	1													1					-
L.	-		l	1																		-
فيهط	_	l																				[
line in																						
	-																					
Ĩ	-1																		1			
		. 1																				
È	-	i							:	· . I												
i.	-																<u> </u>					
											·											-
	-					· ·		-														
ŀ) 																		
in the					1							!										
E	-{							. 1	:													- 1
Ē	-[an an				I										
Ē		I				[is e													
Ē	-	1	ł																			
	-			1					1													
	-																	- 1-		-		
	_																	-				
	-4		ļ	ļ													1					
É.	-		ļ	l																		
																			[]			-
E	4	i																	1			-
E	-	1			Ì																	
والتشايل		i			1	}				:												-
Ц. Ц	_	,		1																		-
	-		l	ļ		ļ								117		F						-
						Į									12							
1				1		l .																╞
1	-					1																
THE R					1	1													leop a			
				1		}										Ī		Ī				-
1 STOCK	-		l		[-
1111			1								[1-
1	-		{	1.								L							<u>со.</u>			

PRAYD is Block southan Resignation. BAD Los Solat femals of extinders overs longer than 10 cm. Total over femath is 100%. PLUGEDN VALUE is a min mounder over an inter pressure of 1004 cm. PLEPTH and REEVATHON are connecter. PLEASETER is in millimeter.

RACE FORMER

DRILL LOG

HOLE NO. SY-2 SHEET NO. 1 OF 1

_		0310	ا 			RCES STUDY OF S. JOHORE - CC	REDRI	LLING	DEP'I		30 metr		ELEVATION		
v		SITE AGE	ORE	KG.SG.SAYONG	PINANG,	DATE FROM 2-12-87	; TO 21	3.0/	NCH2X		/ertica	1	DRILL RIG KO		{
Ť	RE	AGE (COVE							* PRILL	an Dig Tripina	estatore r		LOGGED K	.r. wong	
	1	E.	ELEVATION	ROCK TYPE	COLUMN		1917 X DIAME TER	Reactor Man	CORE			WAT	ER PRESSURF LUGEON VALL AND	TEST F	
		DEPTH	EV.F	80	SECTION	DESCRIPTION			880088		. 12. 17	STAN	AND DARD PENETRAT	ION TEST	<u> </u>
	: . 		Ē	FORMATION				i	%				<u></u>	- N	
Ĩ	0	.		. [Soft, light yellowish	76 mm.	Fult		00		Lu	185 .8x10 ⁻³		
ľ				TOD SOLL	}_ <u>_</u>	brown, silty CLAY				27		Q 3/	30	18	
Ì	-	1.80		TOP SOIL			-			551		Ť		3	
					<u> </u>	Soft, dark brown and grey			BE3-59	441		\$ 2/	30		
			· ·	ALLUVIAL		silty CLAY			1533 233	55 36					- 1
	-	3-50				·····			- D352	18		\ \\ \	30		
					1.1.	Loose, dark groyish, silt _ fine SAND	.y			36		N)	8/30		
	5-			ALLUVIAL	· · · · · · · · · · · · · · · · · · ·	· · ·									5
2 ŭ	-	5-50	<u> </u>				-1	Ì	.				Q10/30		-
	-												\$ 13/3b		
1			·					1				<u> </u>			
	_				· · · ·	Medium dense, light grey-	•		N				Q 11730		-
į		÷.,				ish, fíne SAND		}					9 13/30		
													8		
1	_]						· .	[E . S					″ò∙15/30		
	ю												Q14/30		10
L	-			ALLUVIAL			ľ								
ł		11-50			<u> </u>				1				22/3	u	1
					Tit.	Medium dense to dense, dark greenish, fine to							2 2	/30	
						coarse, silty SAND									
				RESIDUAL SOIL	1111	(Decomposed granite)	1							834730.	
		13 90			+ + +						547				
					++++++++++++++++++++++++++++++++++++++					^{уь} ///					15
3	-15-				+ + + +	1 					91 7 10				
					+_+_+	. *					M		Lu=0.2 _		
-		16-50			+ + +								$K=2.1 \times 10^{-6}$		
				ļ	+ + +					150	82 % 2	 			-
4					+ + +										-
	_				+ + +	above to yory strong				150	67.				
1		19-50			+ + + + +	Strong to very strong, shades of white and grey									-
	20					with mottled black, part fractured, biotite	1 y			150					20
	E-			.		GRANITE									
5		. •			++++										-
ł		-	l		+ + +			l		150	98% <i>%</i>		Lu=0.2 K=2.6x10 ⁻⁶	- <u>narrali</u> Elecati	+
_		22-50	1		↓ ⁺ ↓ ⁺ +	Fresh (CH-8)									<u> </u>
	Ľ.,				+ + + +					150					
	de la		. .		+ + + +			1			83%				
	E				+++++++++++++++++++++++++++++++++++++++			1		150					25
	25		ł		+ + + +										
6					+ + +								1		
:		19 A.			· + , + , +					130	967. 97.		Lu=0.3 K=3.5x10 ⁻⁶		
	틾				+++									1	1
. 1				a de la composición d	+ + +					140	86%				
•	È-l		 		+ + +					¦					
	E		·	001117005	++++					150	84%				
•		:	.	GRANITE		END OF BOREHOLE - 30 m.									3
	30	l	L_:		* * *	of cylindric cores ower than 10 cm . Tutat				MP	PON	KO	EI CO.	LTD.	

LOG FURM B