

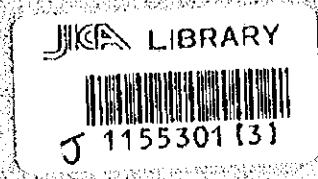
MEKONG

メコン河サンボール計画  
舟航調査報告書

昭和39年度

第二卷

ボーリング柱状図



海外技術協力事業団  
開発調査部

昭和40年3月

(株) 日本港湾コンサルタント



メコン河サンボール計画 舟航調査報告書 第二卷 ボーリング柱状図

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LIST OF BORING HOLES  
DRILL HOLES

HOLE	LOCATION	ELEVA- TION (m)	DEPTH OF HOLE (m)	DEPTH OF OVER- BURDEN (m)	LOG SHEET (No.)
DH. 6401	RIGHT BANK	+ 20.70	30.0	1.35	1-2
6402	LEFT BANK A-LINE	+ 20.50	10.0	8.00	3
6403	" B-LINE	+ 18.30	25.0	22.50	4-5
6404	" A-LINE	+ 18.00	5.0	3.50	6
6405	" "	+ 20.00	8.0	4.45	7
6406	" B-LINE	+ 18.00	24.0	21.60	8-9
6407	" A-LINE	+ 19.90	30.0	28.50	10-11
6408	" "	+ 19.80	12.0	9.50	12
6409	" "	+ 19.10	10.0	7.30	13
6410	" "	+ 20.80	10.0	5.90	14
6411	" "	+ 18.00	7.0	2.30	15
6412	" "	+ 20.30	6.0	3.90	16
6413	" C-LINE	+ 20.50	20.0	15.15	17



LIST OF BORING HOLES  
AUGER HOLES

HOLE	LOCATION	ELEVATION (m)	DEPTH OF HOLE (m)	DEPTH OF OVER- BURDEN (m)	LOG SHEET (No.)
AH 6402	LEFT BANK A-LINE	+19.0	5.0		18
6403	" "	+19.0	5.0		19
6404	" "	+19.0	3.2	2.75	20
6404	" "	+19.0	1.2		21
6405	" "	+20.0	3.0	2.65	22
6406	" "	+24.0	1.0	0.50	23
6407	" "	+19.0	2.0	1.60	24
6408	EAST OF " PHNOM SAMBOC	+20.0	0.7	0.20	25
6409	" "	+19.0	4.0		26
6410	" "	+20.0	0.8	0.20	27
6411	" "	+20.0	0.7	0.50	28
6412	" B-LINE	+18.0	3.0		29
6415	" "	+19.0	5.0		30
6417	" "	+18.0	5.0		31
6418	" "	+18.0	3.0		32
6419	" A-LINE	+19.0	5.0		33
6420	" "	+19.0	3.5		34
6421	" "	+19.0	5.0		35
6422	RIGHT BANK	+20.0	2.5	2.0	36
6423	" "	+20.0	5.0		37

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN

HAZAMA-GUMI L.T.D. (CONTRACTOR)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA

FEATURE RIGHT BANK

HOLE No. D.H 6401-1

CO ORDINATES

E 609 km 180 N 1,393 km 176 R.L. GROUND 20.70

LOCATION NAVIGATION

CHANNEL (A LINE)

ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DESCRIPTION OF CORE GROUP NAME LARGEST AND SMALLEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	% CORE RECOVERY	STRUCTURES. JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE							
								10	20	30	40	50	60		
CLAY	muddy clay with sandstone fragments gray	1				depth of water 3.38 Supporting swamp grass in water									
SANDSTONE highly weathered	greenish gray	2	68		95	consists of weathered sandstone or shale fragments.									
SANDSTONE weathered.	bluish gray	3	mm												
		4			56										
		5			65										
		6			90	joint planes are spaced 3cm ~ 5cm									
SANDSTONE somewhat weathered	medium grained	7				joint planes are spaced 5cm ~ 15cm									
	bluish gray	8													
		9			100										
SANDSTONE	SHALE dark gray	10	30 mm			joint planes are not stained									
		11				calcite veins 0.2cm ~ 0.3cm thick in general									
	bluish gray	12													
		13													
fresh	SHALE dark gray	14				bedding dip 60°									
		15													
	SHALE dark gray	16				developing calcite veinlets									
		17				whole joints are not stained									
		18				calcite veins 0.3cm thick									
	SHALE dark gray	19				crush zone									
	SHALE dark gray	20				crush zone									

DRILLER	EXPLANATION	LOGGED BY
COMMONED	CASING IN DRILL HOLE DURING DRILLING	DRAWN BY
COMPLETED	WATER LEVEL IN DRILL HOLE (DATE)	CHECKED BY
	THIN WALL SAMPLING	BY
	PLACE TOKYO	DATE MAR 1965
		SHEET 1 OF 2
		DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.

HAZAMA GUMI L.T.D. (CONTRACTOR)

**GEOLOGICAL LOG OF DRILL HOLE**

SAMEBOR DAMSITE, CAMBODIA.

FEATURE

HOLE No. D.H.6401-2 CO-ORDINATES: E 609 km 180 N 1,393 km 175 RL GROUND 20.70

LOCATION POWER HOUSE

ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CAC-ING	DEPTH SIZE OF CORE	LOG	LIF. CORE RECOVERYS	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST - N VALUE							
								10	20	30	40	50	60		
SHALE	blackish gray	1	30 mm			brittled									
	Lifting, good core	2					With no joint and crack								
SHALE	blackish gray	3				brittled									
SANDSTONE		4			90	calcite veinlets develop 15 cm thick									
		5				joints are spaced 5 cm ~ 10 cm									
fresh		6													
SHALE	bluish gray	7													
	SHALE														
	blackish gray	8				brittled									
SANDSTONE		9													
	consists of sandstone breccia					disturbed zone dia 4-5 cm									
fresh	CALCITE	10				calcite vein 5 cm thick									
						End of hole 30.0									
		11													
		12													
		13													
		14													
		15													
		16													
		17													
		18													
		19													
		20													

DRILLER COMMONED COMPLETED	EXPLANATION	LOGGED BY	
	CASING IN DRILL HOLE DURING DRILLING	DRAWN BY	
	WATER LEVEL IN DRILL HOLE (DATE)	CHECKED BY	
	PLACE TOKYO	SHEET 2 OF 2	
	DATE MAR 1965	DRAWING No.	

HAZAMA-GUMI L.T.D. (CONTRACTOR)  
**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL CAMBODIA FEATURE RIGHT BANK  
 HOLE No DH 6402 CO-ORDINATES E 612 km 210 N 1,390 km 335 RL GROUND 20.50  
 LOCATION NAVIGATION CHANNEL (A LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALLEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT CORE RECOVERYS	STRUCTURES JOINTS VEINS SEAMS FAULT'S CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE										
								10	20	30	40	50	60					
SILTY CLAY	gray	*				With plant roots												
CLAY	Well graded plastic yellowish brown		1															
			2															
			3															
CLAY	Light brown SILTY CLAY yellowish brown		4	18 mm		90												
			5															
CLAYEY SAND	fine to medium grained		6			bearing sand stone fragments												
			7															
			8															
SANDSTONE	brownish gray		8															
			9			intercalate clayey seam in part.												
highly weathered.	Crushed zone grayish brown		9															
			10	30 mm														
			10			End of hole 10.00												
			11															
			12															
			13															
			14															
			15															
			16															
			17															
			18															
			19															
			20															

DRILLER COMMONED COMPLETED	EXPLANATION		LOGGED BY DRAWN BY CHECKED BY
	CASING IN DRILL HOLE DURING DRILLING ■		
	WATER LEVEL IN DRILL HOLE (DATE)		
	PLACE	DATE	SHEET _____ OF _____
	TOKYO	MAR 1965	DRAWING No _____

HAZAMA-GUMI LTD (CONTRACTOR)

**GEOLOGICAL LOG DRILL HOLE**

SAMBOR CANAL, CAMBODIA

FEATURE RIGHT BANK

HOLE No. D.H. 6403-1 CO-ORDINATES E609 km 385, N 1,386km 105 R.L GROUND 18.30

LOCATION NAVIGATION CHANNEL (B LINE)

ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZE	R.L CASING	DEPTH SIZE OF CORE	LOG	UPPER CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE											
								10	20	30	40	50	60						
SILTY CLAY	fine grained					with plant roots													
CLAY	plastic, drg. mottled black to brown		1			laterite nodules dia 0.5cm~1.0cm	T-1												
			2																
			3																
	plastic, high dry strength		4			scattered laterite nodules in part													
			5	68 mm															
			6																
CLAY			7		90		T-2												
			8																
			9																
	brown		10			becoming sandy gradually dually													
	grad ational boundary		11																
			12																
			13			partially clayey	T-3												
SILTY CLAY	alternations of clayey silt and fine sand		14			silt or clayey sand these bed are 10cm~15cm in thickness													
			15																
			16			bearing some													
			17			crlicorous nodule													
			18																
	gray		19																
			20																

22<sup>ET</sup> / 30cm

DRILLER Y.S	EXPLANATION CASING IN DRILL HOLE DURING DRILLING	LOGGED BY
COMMONED 7.1.65	WATER LEVEL IN DRILL HOLE (DATE)	DRAWN BY
COMPLETED 9.1.65	THIN WALL SAMPLING	CHECKED BY
	PLACE TOKYO	SHEET 1 OF 2
	DATE MAR 1965	DRAWING No.

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**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL. CAMBODIA FEATURE RIGHT BANK  
 HOLE No. DH 6403-2 CO-ORDINATES E 609 km 385 N 1 386 km 105 RL GROUND 19.30  
 LOCATION NAVIGATION CHANNEL (B LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALLEST SIZES	R.L. CAS-ING	DEPTH SIZE OF CORE	LOG	LIFT CORE RECOVERY%	STRUCTURES JOINTS, VEINS SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST. N VALUE					
								10	20	30	40	50	60
SILTY SAND	decomposed sand medium to fine grained	1	48 mm	/ / / / /	70	inter catate silty clay in part		35 <sup>10</sup> / 30 cm					
	brown	2											
SANDSTONE	weathered	3	30	.	100	jointed							
SANDSTONE fresh	medium grained	4				jointed and calcite veins are very few.							
	Lifting very good core gray - purplish gray	5											
		6				End of hole 25°50							
		7											
		8											
		9											
		10											
		11											
		12											
		13											
		14											
		15											
		16											
		17											
		18											
		19											
		20											

DRILLER _____	EXPLANATION	LOGGED BY _____
COMMONED _____	CASING IN DRILL HOLE DURING DRILLING	DRAWN BY _____
COMPLETED _____	WATER LEVEL IN DRILL HOLE ◀ (DATE) <sup>PM</sup>	CHECKED BY _____
	THIN WALL SAMPLING	BY _____
	PLACE	SHEET 2 OF 2
	TOKYO	DATE
	MAR 1965	DRAWING No. _____

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HAZAMA-GUMI LTD (CONTRACTOR)

**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK  
 HOLE No. DH. 6404 CO-ORDINATES E 6.11 km 855 N 1.388 km 750 R.L. GROUND 1.8.00

LOCATION NAVIGATION CHANNEL (B LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CAS-ING	DEPTH SIZE OF CORE	LOG	CORRE-CTED COVERAGE%	STRUCTURES JOINTS VEINS SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE							
								10	20	30	40	50	60		
SILT	mottled brown white					plant roots	T-1								
SILTY SAND	fine of medium grained decomposed sand yellowish gray	1	68 mm		90	With abundant calcareous nodules dia 3-5 cm	Water level								
SAND	yellowish gray	2				bearing fragments of sandstone	r-2 (21.12.64)								
SANDSTONE	medium grained bluish gray	3				many joint planes are stained									
		4	30		100										
		5				End of hole 5.00									
		6													
		7													
		8													
		9													
		10													
		11													
		12													
		13													
		14													
		15													
		16													
		17													
		18													
		19													
		20													

DRILLER	EXPLANATION		LOGGED BY
COMMONED	CASING IN DRILL HOLE DURING DRILLING		DRAWN BY
COMPLETED	WATER LEVEL IN DRILL HOLE (DATE)		CHECKED BY
	THIN WALL SAMPLING	PLACE TOKYO	DATE MAR 1965
			SHEET 1 OF 1
			DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN.

HAZAMA-GUMI L.T.D. (CONTRACTOR)

**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBODIA.

FEATURE RIGHT BANK

HOLE No. D.H. 6405 CO-ORDINATES E 611 km 375 N 1388 km 135 R.L. GROUND 20.00

LOCATION NAVIGATION CHANNEL (B LINE)

ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	RECOVERY %	STRUCTURES JOINTS VEINS SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE							
								10	20	30	40	50	60		
SANDY CLAY	organic soil black					with plant roots	T-1								
SILTY SAND	in general brown	1	73			decomposed sandstone	T-2								
SANDSTONE highly weathered		2				Consists of sandstone detritus									
		3	58		80										
	bluish gray	4													
SANDSTONE	fine to medium grained	5				calcite veins rich dip 60° or vertical.									
		6	30												
fresh SANDSTONE	bluish gray	7				joint placed 2-15cm and planes are stained.									
weathered SANDSTONE	bluish gray	8													
		9				End of hole 9m									
		10													
		11													
		12													
		13													
		14													
		15													
		16													
		17													
		18													
		19													
		20													

DRILLER _____	EXPLANATION	LOGGED BY _____
COMMONED _____	CASING IN DRILL HOLE DURING DRILLING ■	DRAWN BY _____
COMPLETED _____	WATER LEVEL IN DRILL HOLE (DATE)	CHECKED BY _____
	THIN WALL SAMPLING ■	
	PLACE TOKYO	SHEET 1 OF 1
	DATE MAR 1965	DRAWING No. _____

HAZAMA-GUMI L.T.D. (CONTRACTOR)  
**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBODIA      FEATURE RIGHT BANK  
 HOLE No. DH 6406-1      CO-ORDINATES E 609 km 490 N 1,385 km 350 R.L. GROUND 18.00  
 LOCATION NAVIGATION CHANNEL (B LINE)      ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DESCRIPTION OF CORE GROUP NAME LARGEST AND SMALLEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	CORRECTION	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST. N VALUE												
								10	20	30	40	50	60							
SILTY CLAY	gray					with plant roots														
CLAY	lean, stiff, dry		1	68	90	bedring laterite nodules dia 0.5~1.0 cm cm	T-1													
			2				T-2													
			3				T-3													
			4				6/1													
SILTY CLAY	mottled brown and white		5				T-4													
			6																	
			7																	
			8																	
CLAYEY SILT	lean, stiff half dry		9				T-5													
			10																	
			11																	
			12																	
CLAYEY SILT	bluish gray		13	58		no laterite no dules	T-6													
			14																	
			15																	
			16																	
SILTY CLAY	well graded grains		17																	
			18																	
			19																	
			20																	
	gray						T-7											22 1/30 cm		

DRILLER COMMONED COMPLETED	EXPLANATION		LOGGED BY	DRAWN BY	CHECKED BY
	CASING IN DRILL HOLE DURING DRILLING				
	WATER LEVEL IN DRILL HOLE (DATE)				
	PLACE	DATE	SHEET	OF	NO.
	TOKYO	MAR 1965	1	3	12
			DRAWING	No.	

HAZAMA-GUMI L.T.D (CONTRACTOR)

**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBODIA

FEATURE RIGHT BANK

HOLE No D.H 6406-2 CO-ORDINATES E 609 km 490 N 1,385 km 350 R.L GROUND 18.00

LOCATION NAVIGATION CHANNEL (A LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES .	R. L CAS-ING	DEPTH SIZE OF CORE	LOG	LIFT CORE RE-COVERY%	STRUCTURES JOINTS, VEINS SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE										
								10	20	30	40	50	60					
SAND	medium grained bluish gray	1	50			Transported by River action												
SANDSTONE	fine to medium grained. fresh bluish gray	2 3	30		90	joints spaced 3cm to 5cm . dip 10°-20° joint planes are not stained.												
		4				End of hole 24.0"												
		5																
		6																
		7																
		8																
		9																
		10																
		11																
		12																
		13																
		14																
		15																
		16																
		17																
		18																
		19																
		20																

DRILLER COMMONED COMPLETED	EXPLANATION p CASING IN DRILL HOLE DURING DRILLING I WATER LEVEL IN DRILL HOLE (DATE)	LOGGED BY DRAWN BY CHECKED BY
	PLACE TOKYO DATE MAR 1965	SHEET 2 OF 2 DRAWING No.

HAZAMA-GUMI L.T.D (CONTRACTOR)

**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL CAMBODIA FEATURE RIGHT BANK  
 HOLE No. D.H 6407-1 CO ORDINATES E609 km 736 N 1384 km 370 H.L GROUND 19 80

LOCATION NAVIGATION CHANNEL (A LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CAGING	DEPTH SIZE OF CORE	LOG	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE								
							10	20	30	40	50	60			
SILTY CLAY	black dry				organic	T-1									
		1				T-2									
	plastic dry	2													
CLAY		3	60		Containing laterite modules dia 0.5 cm ~ 1.0 cm	T-3									
		4				T-4									
		5		90		T-5									
		6				T-6									
	brown	7				T-7									
		8				T-8									
SILTY CLAY	lean stiff plastic	9			becoming laterisation										
		10													
		11													
	mottled brown - yellow	12													
		13													
	gradational boundary	14													
		15													
CLAYEY SILT		16			intercalate clayey bed in past										
		17													
		18													
	mottled brown - yellow	19				T-9									
		20													

Water Level (2.1.65)

23 / 30 cm

17 / 30 cm

DRILLER COMMENCED COMPLETED	EXPLANATION CASING IN DRILL HOLE DURING DRILLING   WATER LEVEL IN DRILL HOLE (DATE)	LOGGED BY	
		DRAWN BY	
		CHECKED BY	
		BY	
	PLACE TOKYO	DATE MAR 1965	SHEET 1 OF 2
		DRAWING No.	

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN

HAZAMA-GUMI L.T.O (CONTRACTOR)

**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBODIA  
 HOLE No. D.H 6407-2 CO ORDINATES E 609 km 735 N 1,384 km 370 R.L. GROUND 19.90  
 LOCATION NAVIGATION CHANNEL (A LINE) FEATURE RIGHT BANK ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L CASING	DEPTH SIZE OF CORE	LOG	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARO PENETRATION TEST N VALUE							
							10	20	30	40	60	80		
CLAY	bluish gray					7.10								
CLAYEY SAND	bluish gray	1												67 $\frac{81}{30}$ cm
SAND	medium or coarse grained	2	50		Very graded									
	bluish gray	3												36 $\frac{91}{50}$ cm
GRAVEL	Pebbles are crushed by drilling	4			coarse sandstone containing pebble dia 1cm to 2 cm									
		5		50	Pebble consists of quartz and quartzite									
		6	40											
	mottled bluish gray to white	7												
SHALE		8												34 $\frac{81}{10}$ cm
fresh	blackish gray	9		65	Some joint dip 50°									
		10			End of hole 30.0m									
		11												
		12												
		13												
		14												
		15												
		16												
		17												
		18												
		19												
		20												

DRILLER	EXPLANATION	#	LOGGED BY
COMMONED	CASING IN DRILL HOLE DURING DRILLING		DRAWN BY
COMPLETED	WATER LEVEL IN DRILL HOLE (DATE)		CHECKED BY
	THIN WALL SAMPLING		BY
	PLACE TOKYO	DATE MAR 1965	SHEET OF 2
			DRAWING No.



HAZAMA-GUMI L.T.D (CONTRACTOR)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA  
HOLE No. D.H. 6409

FEATURE RIGHT BANK

CO-ORDINATES E 611. km 48 Q. N. 1.394 km 825 B.L. GROUND 19.10

LOCATION NAVIGATION

CHANNEL (A. LINE)

ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE												
							10	20	30	40	50	60							
SILTY CLAY	grayish brown				with plant roots														
CLAY		1			bearing some late rite nodules	7-1													
	brown	2																	
		3																	
		4	58	90															
		5			gradational boundary														
SILTY SAND	completely decomposed sandstone: fine to medium grained. brown	6																	
		7																	
SANDSTONE highly weathered	bluish gray	8	48		bearing clayey part	7-2													
		9			jointed														
SANDSTONE weathered	bluish gray	10	30	100															
		11			End of hole 10.00														
		12																	
		13																	
		14																	
		15																	
		16																	
		17																	
		18																	
		19																	
		20																	

DRILLER COMMIONED COMPLETED	EXPLANATION		LOGGED BY	
	CASING IN DRILL HOLE DURING DRILLING ■		DRAWN BY	
	WATER LEVEL IN DRILL HOLE ◀ (DATE)		CHECKED BY	
	THIN WALL SAMPLING ■	PLACE	TOKYO	DATE
			MAR	1965
			SHEET	OF
			DRAWING	No.



**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK  
 HOLE No. D.H. 6410 CO-ORDINATES E 612 km 220 N 1,392 km 95 R.L. GROUND 20.80  
 LOCATION NAVIGATION CHANNEL (A. LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	CORRECTION COEFFICIENT	STRUCTURES, JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE							
								10	20	30	40	50	60		
SILTY CLAY	grayish brown					with plant roots									
	plasticity dry		1												
	under going lateri- sation		2												
			3				ferruginous nodules dia 0.5 <sup>cm</sup> ~ 1.0 <sup>cm</sup>								39 <sup>cm</sup> 30cm
			4	58											47 <sup>cm</sup> 30
SHALE Completely Weathered	brown		5												
			6												
SHALE Highly Weathered			7			consists of many shale fragments.									
	dark brown		8												
SHALE OR SILTSTONE	blackish gray		9			brittled									
	blackish gray		10			brittled									
			11			End of hole 10.00 m									
			12												
			13												
			14												
			15												
			16												
			17												
			18												
			19												

DRILLER	EXPLANATION	LOGGED BY	
COMMONED	CASING IN DRILL HOLE DURING DRILLING	DRAWN BY	
COMPLETED	WATER LEVEL IN DRILL HOLE (DATE)	CHECKED BY	
	THIN WALL SAMPLING	BY	
	PLACE	SHEET	OF
	TOKYO	DATE	
		MAR 1965	
		DRAWING No.	

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**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK  
 HOLE No. D.H 6411 CO-ORDINATES E 610 km 725 N 1386 Km 270, R.L. GROUND 18.00

LOCATION NAVIGATION CHANNEL (A, LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE							
								10	20	30	40	50	60		
SILTY CLAY	Dark Gray Plastic, Dry		1			With Plant Roots									
	Dark Brown Decomposed Sandstone brown		2			Bearing Calcareous Nodules Dia 1cm ~ 3cm Sandy in part									
SANDSTONE Highly Weathered	Mottled Yellow brown		3	58	90	Joints are Spaced 3cm ~ 5cm and are stained									
SANDSTONE Highly Weathered	mottled Yellow brown		4			Joints are spaced 5cm									
SANDSTONE Fresh	Yellow wish gray		5			Jointed spaced 10cm but no stained									
			6												
			7			End of hole 7.00 m									
			8												
			9												
			10												
			11												
			12												
			13												
			14												
			15												
			16												
			17												
			18												
			19												
			20												

DRILLER COMMONED COMPLETED	EXPLANATION	LOGGED BY	
	CASING IN DRILL HOLE DURING DRILLING	DRAWN BY	
	WATER LEVEL IN DRILL HOLE (DATE)	CHECKED BY	
	THIN WALL SAMPLING	BY	
	PLACE	DATE	SHEET OF
	TOKYO	MAR 1965	1 OF 1
			DRAWING No.

75

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN

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HAZAMA-GUMI L.T.D. (CONTRACTOR)

**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBODIA      FEATURE RIGHT BANK  
 HOLE No. D.H. 6412      CO-ORDINATES E 612 km 125 N 1392 km 685 R.L. GROUND 20.30  
 LOCATION NAVIGATION CHANNEL (A. LINE)      ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	CORRECTION	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE								
								10	20	30	40	50	60			
CLAY	grayish black				90	organic soil										
	plastic dry		1													
	dark brown		2				With shale fragments in upper									
	decomposed shale		3	48												
SHALE highly weathered	brown		4			Consists of shale detritus. dia 1cm ~ 3cm										
	brown		5			End of core										
			6													
			7													
			8													
			9													
			10													
			11													
			12													
			13													
			14													
			15													
			16													
			17													
			18													
			19													
			20													

DRILLER COMMONED COMPLETED	EXPLANATION CASING IN DRILL HOLE DURING DRILLING I WATER LEVEL IN DRILL HOLE 4 (DATE) THIN WALL SAMPLING II		LOGGED BY DRAWN BY CHECKED BY DRAWING No.
	PLACE TOKYO	DATE MAR 1965	

16

HAZAMA-GUMI L.T.D (CONTRACTOR)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBOOIA FEATURE RIGHT BANK  
 HOLE No D.H. 6413 OO-ORDINATES E 611 Km 520 N 1,389 km 405 R.L. GROUND 20.50  
 LOCATION, NAVIGATION CHANNEL (A. LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALLEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE									
							10	20	30	40	50	60				
CLAY	Jayleh brown				with some plant roots											
	becoming lateritised															
						scattered some ferruginous nodules dia 0.5cm ~ 1.0cm										
SILTY SAND	mohled yellowbrown		58													
SAND	dark brown															
	fine or silty															
GRAVEL	brown															
	gray															
SANDSTONE																
SANDSTONE	weathered															
	fresh in general															

End of hole 20.00 m

DRILLER Y. S	EXPLANATION CASING IN DRILL HOLE DURING DRILLING WATER LEVEL IN DRLL HOLE (DATE) THIN WALL SAMPLING 1	LOGGED BY
COMMONED 28.1.65		DRAWN BY
COMPLETED 30.1.65		CHECKED BY
	PLACE TOKYO	DATE MAR 1965
		SHEET 1 OF 2
		DRAWING No.

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HAZAMA-GUMI, L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

CAMBODIA

FEATURE

HOLE No. A.H 6402

COORDINATES

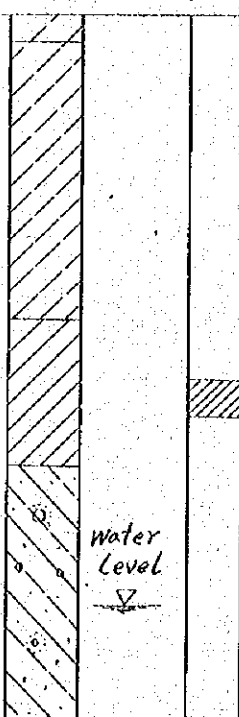
E 611 km 570 N 1,394 km 945

R.L GROUND 1900

LOCATION

NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

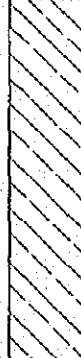




SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
	<i>top soil gray</i>				<i>with grass roots</i>
CLAY	<i>plastic dry strength with laterite nodules. brown</i>	0.5 1.0 1.5 2.0			<i>shrinkge cracks open 0.5 cm every 50 cm</i>
SILT	<i>half dry brown.</i>	2.5 3.0			
CLAYEY SILT	<i>bearing calcareous nodules, dia max 40%  wet dark brown</i>	3.5 4.0 4.5		<i>Water Level</i>	

*End of hole 5.00<sup>m</sup> possible to auger deeper.*

HOLE MADE BY JAPAN  
 COMMENCED 23 . 1 . 65  
 COMPLETED 23 . 1 . 65

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE No A.H. 6403 , COORDINATES E 611 KM 595 N 1,394 KM 815 RL GROUND 19.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE No	COMMENTS
CLAYEY SILT	TOP SOIL ORGANIC DRY	0.5			SHRINKAGE CRACKS OPEN 1 CM EVERY 50 CM
	PLASTIC BEARING LATERETE NODULES , DIA MAX 0.5CM	1.0			
SILTY CLAY	HALF WET BROWN	2.0			
	BROWN	3.0			
SILTY SAND	LEAN STIFF WITH CALCAREOUS NODULES , MAX DIA 30 $\frac{m}{m}$	3.5			NO WATER FOUND
	HALF WET DARK BROWN	4.0			
		4.5			
		5.0			

END OF HOLE 5.00M POSSIBLE TO AUGER DEEPER.

HOLE MADE BY JAPAN  
 COMMENCED 23 . 1 . 65  
 COMPLETED 23 . 1 . 65

HAZAMA-GUMI, LTD (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

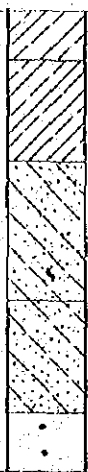
SAMBOR CANAL  
HOLE No. A.H 6404

CAMBODIA  
COORDINATES

FEATURE  
E 611 km 775 N, 393 km 880 R.L GROUND 19.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
SILTY CLAY	Top soil dry, gray	0.5			
	half dry dark brown				
SANDY CLAY	gradually wet yellowish brown	1.0	Water Level ▽		
	decomposed sand- stone, bearing sand- stone fragments.	2.0			
SANDSTONE Weathered	brownish yellow	2.5			
		3.0			

End of hole 3.20<sup>m</sup> stopped by rock

HOLE MADE BY JAPAN

COMMENCED 23 . 1 . 65

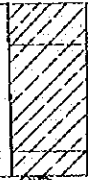
COMPLETED 23 . 1 . 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN  
 HAZAMA-GUMI, L.T.D. (CONTRACTORS)

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TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE No. A.H.6404' COORDINATES E 611 km 745 N 1.393 km 860 R.L GROUND 19.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
SILTY CLAY	Top soil dry gray				organic.
	with pebble	0.5			
	half dry grayish brown	1.0			no water found:

End of hole 1.20 m

stopped by pebble.

HOLE MADE BY JAPAN

COMMENCED 23. 1. 65

COMPLETED 23. 1. 65



HAZAMA-GUMI, L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

CAMBODIA





FEATURE

HOLE NO. A.H 6405

COORDINATES E 612 km 35 N 1.392 km 890 R.L GROUND 20.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
SANDY CLAY	Top soil	0.0 - 0.5			Organic
	half wet brown	0.5 - 1.0			
	with Laterite nodules dia 40 mm	1.0 - 2.5			
SANDSTONE Weathered	grayish brown	2.5 - 3.0			no water found

End of Pile 3.00m stopped by rock.

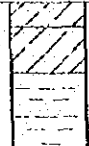
HOLE MADE BY JAPAN

COMMENCED 25. 1. 65

COMPLETED 25. 1. 65

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO. A.H 6406 COORDINATES E 611 km 50 N 1.306 km 980 R.L GROUND 24.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE NO.	COMMENTS
CLAY	Top soil dry brown	0.5			organic
SHALE Weathered	with shale fragments grayish brown				no water found

End of hole 1.00m stopped by rock




HOLE MADE BY JAPAN  
 COMMENCED 23 . 1 . 65  
 COMPLETED 23 . 1 . 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN  
 HAZAMA-GUMI, L.T.D (CONTRACTORS)

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TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO. AH6407 COORDINATES E. 612 km 195 N 1.390 km 625 RL GROUND 19.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
CLAY	dry grayish brown	0.5			no water found
	half wet brown	1.0			
SANDSTONE Weathered	dry pale brown	1.5			stopped by rock
		2.0			

HOLE MADE BY JAPAN

COMMENCED 26. 1. 65

COMPLETED 26. 1. 65

HAZAMA-GUMI, L.T.O (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

CAMBODIA

FEATURE

HOLE NO. A.H.6408

COORDINATES

E 611 km 615 N 1.388 km 325 R.I. GROUND 20.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
SILTY SAND	Top Soil White				
SANDSTONE Weathered	Consists of holdspathic Sand dry buff	0.5	• • •		no water found

End of hole 0.70

stopped by rock

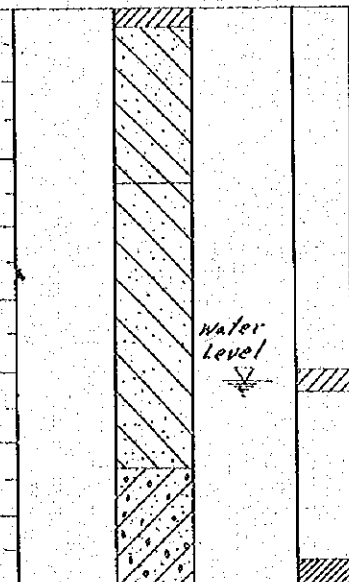
HOLE MADE BY JAPAN

COMMENCED 26 . 1 . 65

COMPLETED 26 . 1 . 65

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO. AH 6409 COORDINATES E 6.11 km 885 N 1.388 km 260 R.L. GROUND 19.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
<i>SILT</i>	<i>Top soil gray</i>	0.0			
<i>SANDY SILT</i>	<i>dry yellowish brown</i>	0.5			
		1.0			
		1.5			
		2.0			
		2.5	<i>Water Level</i>		
	<i>half wet gray or grayish yellow</i>	3.0			
<i>SILTY SAND</i>	<i>with grain dia 30 m/m yellowish brown.</i>	3.5			
		4.0			






*End of hole 4.00m stopped by water*

HOL. MADE BY JAPAN  
 COMMENCED 26. 1. 65  
 COMPLETED 26. 1. 65

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO. AH6410 COORDINATES E 612 km 265 N. 1.388 km 235 RL GROUND 20.00

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
<i>SILT</i>	<i>Tap soil</i>				<i>drilling by spiral auger</i>
<i>SAND STONE weathered.</i>	<i>with sandstone fragments dry buff</i>	0.5	  		<i>no water found.</i>

*End of hole 0.80m stopped by rock.*

HOLE MADE BY JAPAN  
 COMMENCED 26 . 1 . 65  
 COMPLETED 26 . 1 . 65

HAZAMA-GUMI, L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

CAMBODIA

FEATURE

HOLE NO. A.H.6411



COORDINATES

E 612 km 90 N 1,388 km 230

R.L. GROUND 20.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
CLAYEY SAND	Lean dry buff	0.5			
SANDSTONE <i>weathered</i>	grayish yellow				no water found
			End of hole 0.70m		stopped by rock

HOLE MADE BY JAPAN

COMMENCED 26 . 1 . 65

COMPLETED 26 . 1 . 65

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL  
 HOLE NO. AH 6412

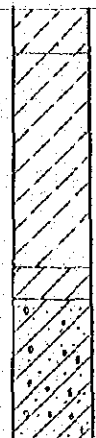
CAMBODIA

FEATURE

COORDINATES E 609 km 945 N 1.386 km 840 R.L GROUND 18.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
	Top soil dry				
CLAY	lean	0.5			
	half dry grayish brown	1.0			
SILT	yellowish brown	1.5			
SILTY SAND	bearing Laterite modules dia 50 m/m half dry yellowish brown	2.0			
		2.5	Water Level		

End of hole 3.00 m

Stopped by water.

HOLE MADE BY JAPAN

COMMENCED 26. 1. 65

COMPLETED 26. 1. 65



HAZAMA-GUMI, L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

CAMBODIA

FEATURE

HOLE NO.A.H 6415

COORDINATES E 609 km 485 N 1.386 km 320 RL GROUND 19.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE No.	COMMENTS
CLAY	top soil	0.0			Organic.
	dry brown	0.5		many shrinkage cracks	
	plastic with is grain	1.0			
	half wet brown	2.5			
	Uniform character	3.0			
	wet brown	4.5			
		5.0			

End of hole 5.00 stopped by water

HOLE MADE BY JAPAN

COMMENCED 9 . 1 . 65

COMPLETED 9 . 1 . 65

HAZAMA-GUMI L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA

FEATURE

HOLE NO A.H. 6417 COORDINATES E 609<sup>KM</sup> 540 N1.385<sup>KM</sup> 175 RL GROUND 18.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
CLAY	top soil				Rice paddy
	half wet grayish brown				many shrinkage crack
	high plasticity with no grain				
	mottled yellow-brown				
	yellowish brown				
	half wet brown				no water found

End of hole 5.00<sup>m</sup> possible to auger deeper

HOLE MADE BY JAPAN

COMMENCED 7. 1. 65

COMPLETED 7. 1. 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

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HAZAMA-GUMI, L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA

FEATURE

HOLE No A.H 6418. COORDINATES E.609<sup>KM</sup> 610 N 1.385<sup>KM</sup> 370. RL GROUND 18.00

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
CLAY	top soil organic	0.5			with some grass roots
	dry, brown	1.0			
	plasticity with no grain	1.5 2.0			
	half dry brown	2.5			no water found
		3.0	End of hole 3.00 <sup>m</sup>		possible to auger deeper

HOLE MADE BY JAPAN

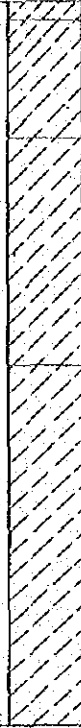

COMMENCED 4 . 1 . 65

COMPLETED 4 . 1 . 65

HAZAMA-GUMI, I.T.O (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE No AH. 6419 COORDINATES E 609KM 770 N 1.384KM 460 RL GROUND 19.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE No	COMMENTS
CLAY	organic soil	0.5			Rice paddy
	Lean dry strength brown	1.0			
	becoming lateri-sation	1.5			
	half dry reddish brown	2.5			
	half wet brown	4.5			

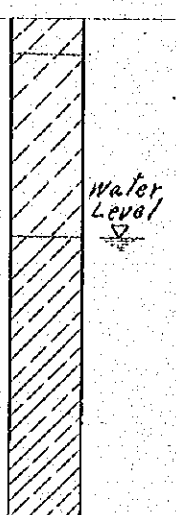
End of hole 5.00 m possible to auger deeper

HOLE MADE BY JAPAN  
 COMMENCED 29.12.64  
 COMPLETED 29.12.64

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE No. A.H. 6420 COORDINATES E 609km 645 N 1,384 km 220 R.L. GROUND 19.00

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS	
CLAY	Lean, no stiff	0.5				Houghed field forming Levee bank.
	half wet brown	1.0				
SILTY CLAY	Uniform with no material coarser than fine sand wet grayish brown	1.5 2.0 2.5 3.0 3.5				

End of hole 3.50 m stopped by water

HOLE MADE BY JAPAN  
 COMMENCED 27 . 12 . 64  
 COMPLETED 27 . 12 . 64

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE No. A.H 6421 COORDINATES E 609km 870 N 1,384 km 225 R.L GROUND 19.00

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
CLAY.	Organic soil plastic, high dry strength brown.	0.5	[Hatched area representing soil profile]	[Sample numbers]	Rice paddy
	half dry. brown.	1.0			
	Uniform character	1.5			
	Water Level	2.0			
	half wet grayish brown	4.5			

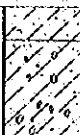


End of hole 5.00m possible to auger deeper

HOLE MADE BY JAPAN  
 COMMENCED 2 1 64  
 COMPLETED 2 1 64

HAZAMA-GUMI L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE No. A.H. 6422 COORDINATES E 609 km 345 N 1.392 km 615 R.L GROUND 20.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
SILTY CLAY	top soil				
GRAVEL	with laterite nodules. dia. max 40 mm brown	0.5			
SILTY CLAY	dry yellowish white	1.0			
SANDSTONE weathered.	dry yellowish gray	2.0			

End of hole 2.5m stopped by rock  
 used spiral auger  
 no water found

HOLE MADE BY JAPAN  
 COMMENCED 22. 1. 65  
 COMPLETED 22. 1. 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

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HAZAMA-GUMI, L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

CAMBODIA

FEATURE

HOLE NO. AH 6423

COORDINATES

E 609 km 75

N 1,390 km 795

R.I. GROUND 20.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
SILTY CLAY	dry brown	0.5			Recent Level bank
	With no Grain Uniform character.  reddish brown	1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0		Water Level 	

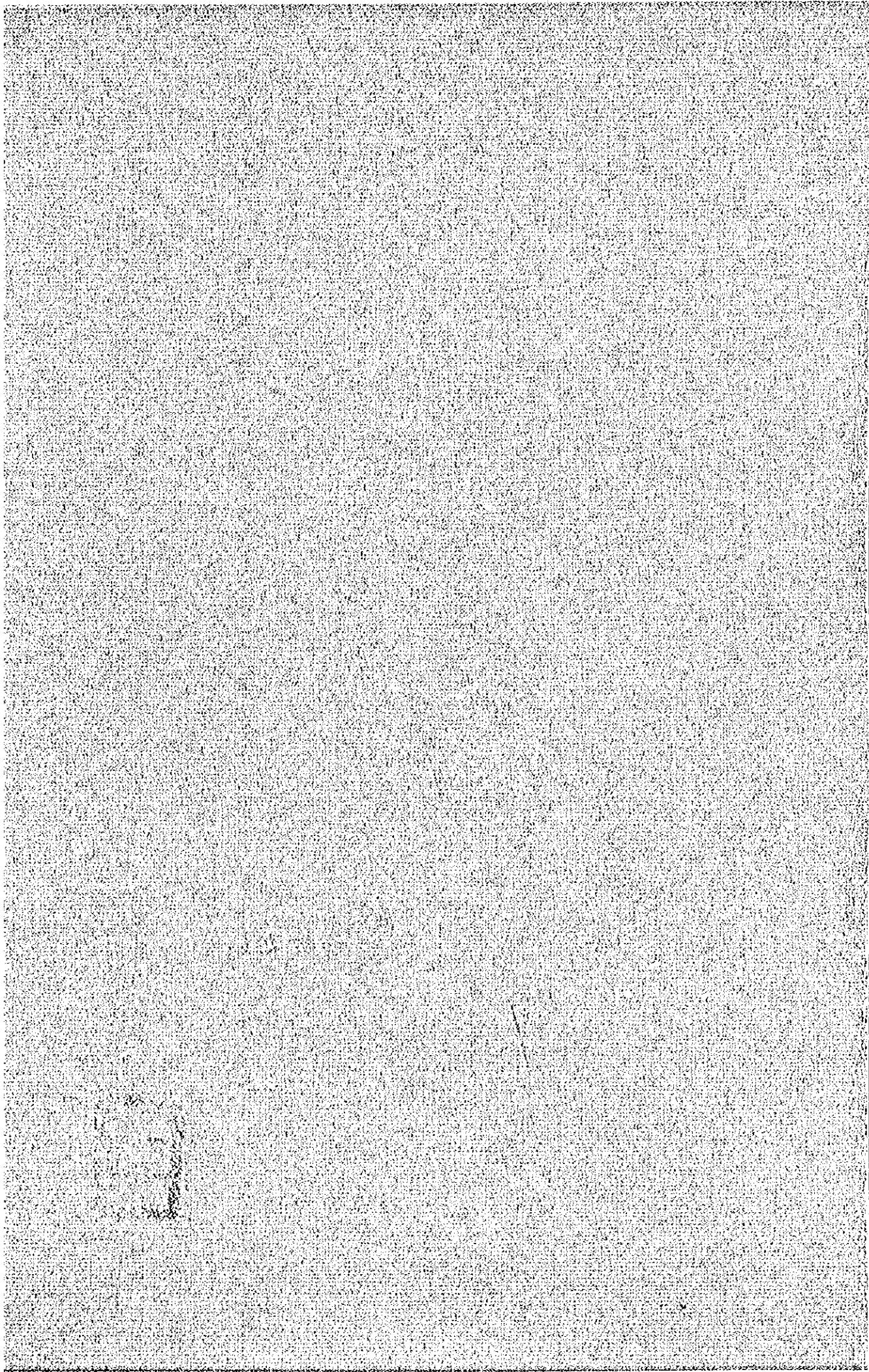
End of hole 5.00<sup>m</sup> stopped by water.

HOLE MADE BY JAPAN

COMMENCED 22.1.65

COMPLETED 22.1.65





[Illegible text or markings on a white strip along the right edge]

LIB