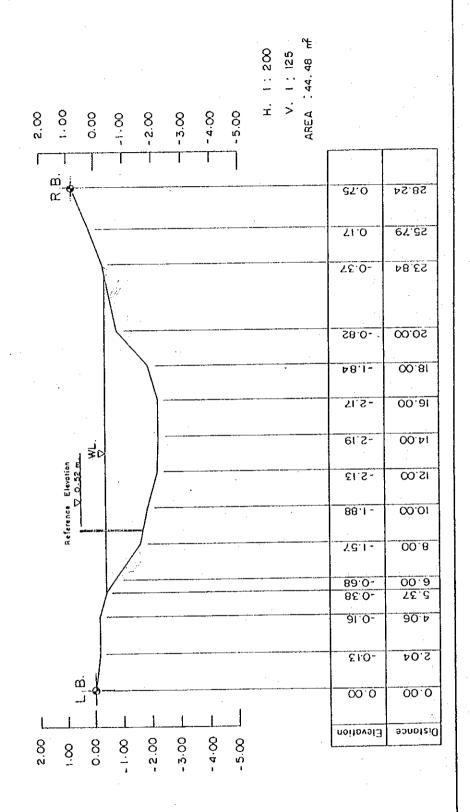
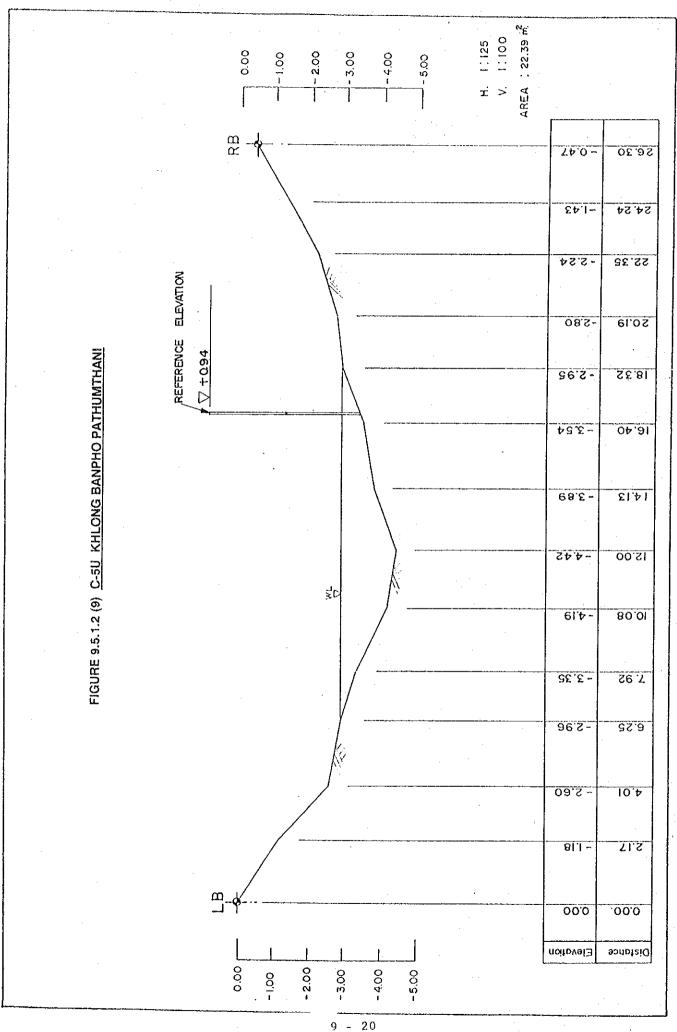
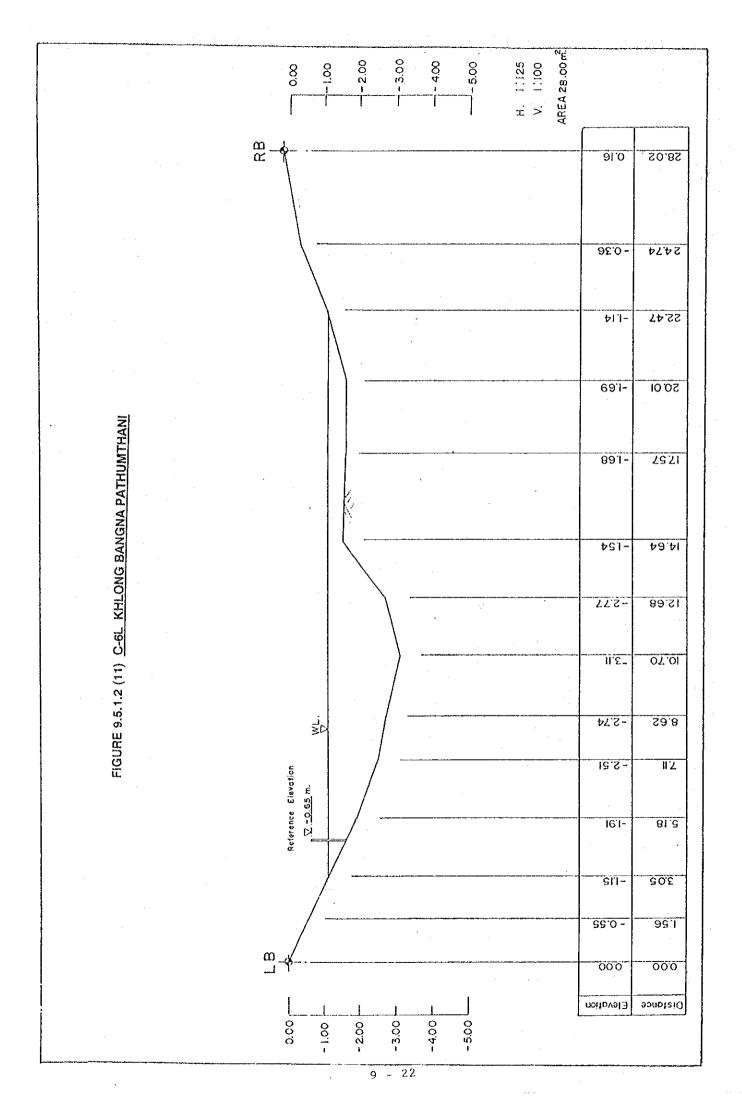
FIGURE 9.5.1.2 (7) C-4U KHLONG KRASAENG BAN WAT SADET

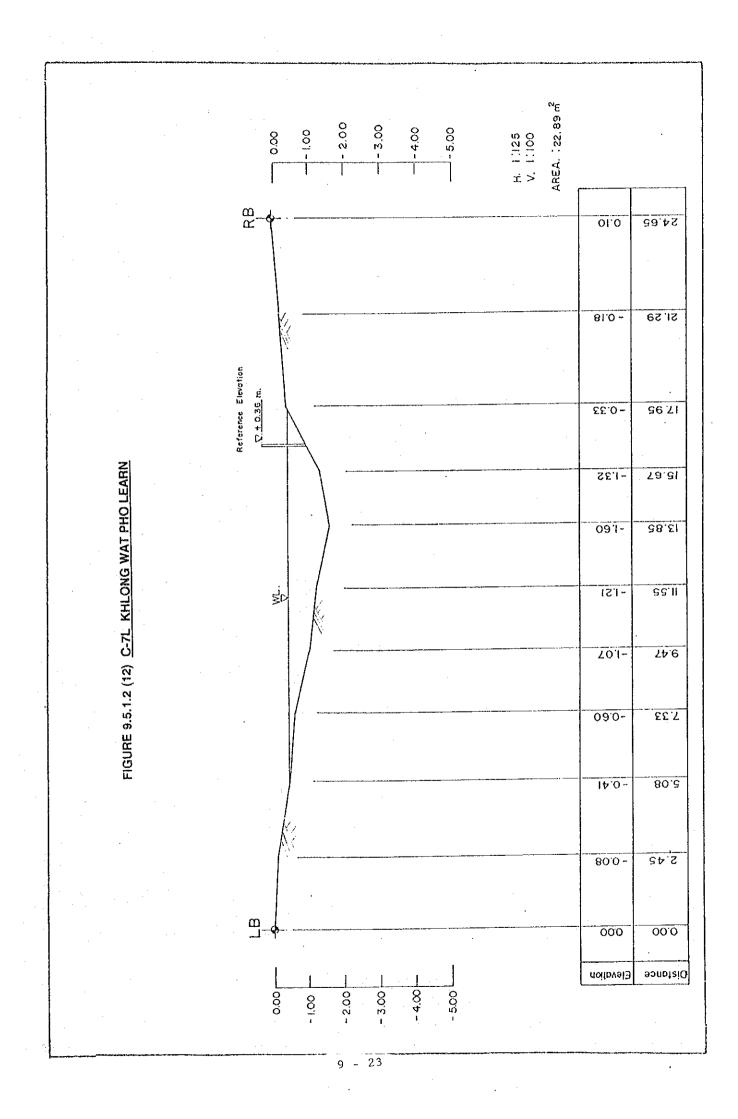


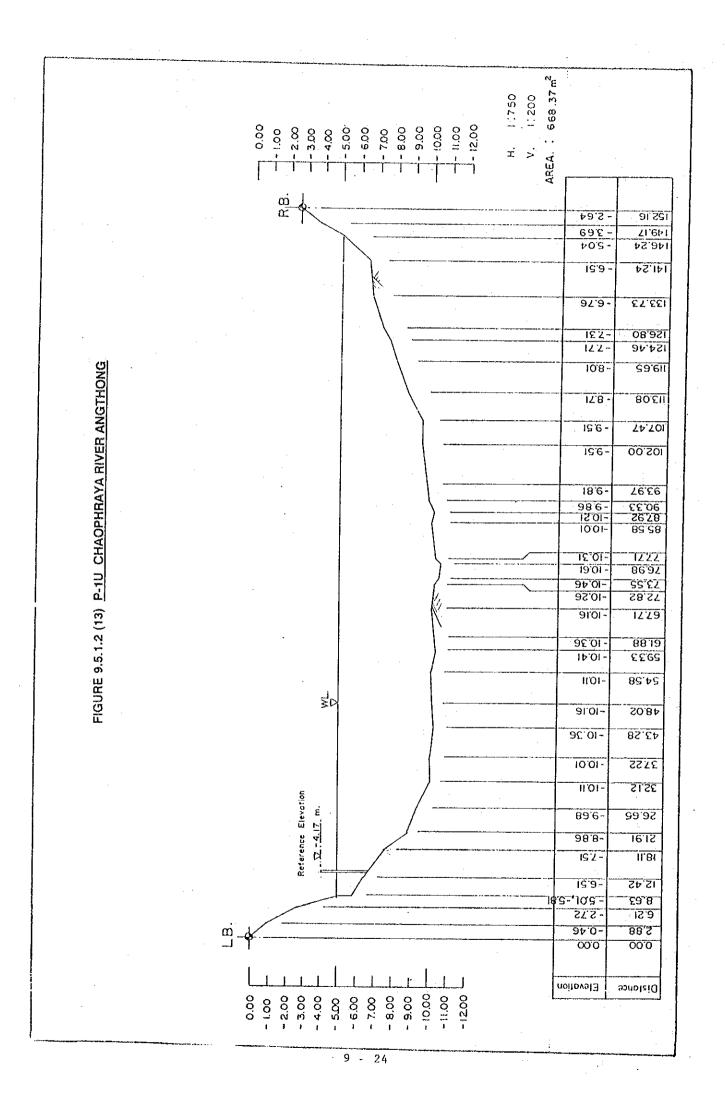
H. I:100 V. I:100 AREA :29.54 m. 1 -5.00 . 0.00 0.00 -2.00 -3.00 - 4 0 9-1mj a j 89.71 70.O-81.71 74.0-66 91 01.1-0.91 m. 99.91 691-Reference Elevation 69.1-OZ :GI FIGURE 9.5.1.2 (8) C-4L KHLONG KRASAENG BAN KRASAENG 91.5 -89.51 82,5-89.11 2O.ε -89 6 -2.66 89.7 مٰڏِ - 2.00 89.6 81.4 89.1-ZO:1-3 €8 S 95 11:0m m 00.0 00.0 Elevation Distance - 5.00 - 2.00 9.4--3.8 9 8 ÷ 8

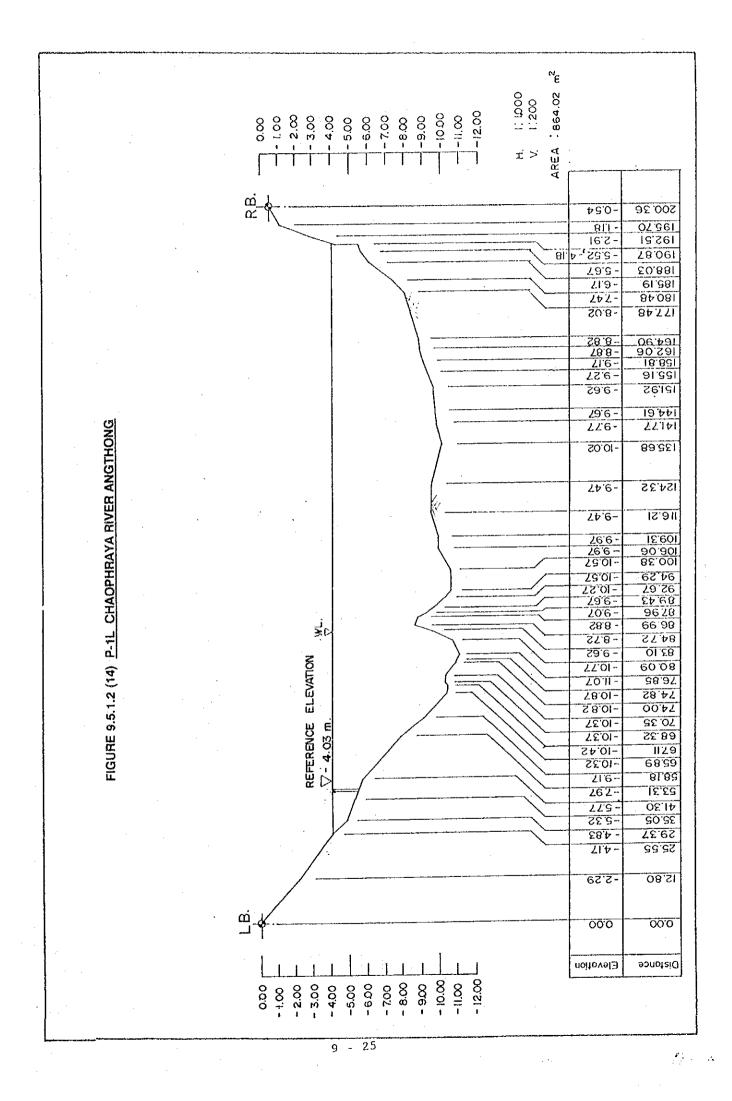


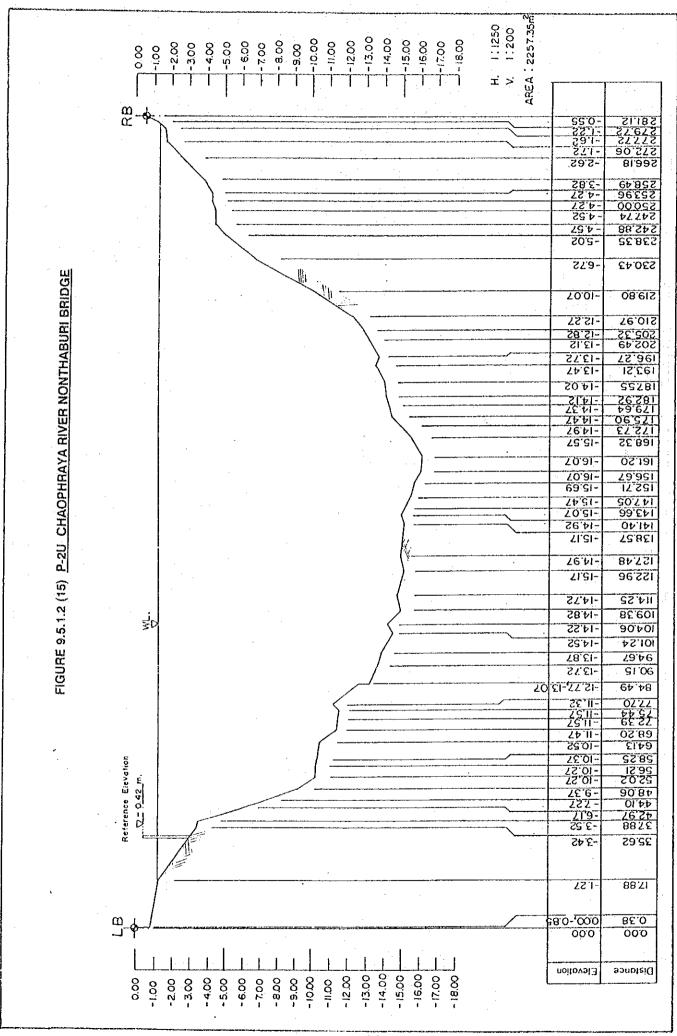
AREA : 49.31 m. 1: 200 V. 1: 100 -5.00 0.0 0.0 -4.00 4-2.8 1.38 80. 8 m œ 8 E.O 28.13 0.12 84.85 £1.0-FIGURE 9.5.1.2 (10) C-5L KHLONG BANGPHO PATHUM THAN 24.06 96.0-23.64 67.1 -21.01 Reference Elevation 76.1-09 61 - 2.04 19.28 -2.13 16.32 £1.S-81.8 -2.08 13.04 76.1 **-**89.OI ₹þ bb 1 -88.8 95.0-57.3 05.0-77.0 910 2.20 <u>m</u> 00.0 00.0 Distance noitevel3 8.4 3.00 - 5.0 8.8 - 1.0 8 <u>5</u>

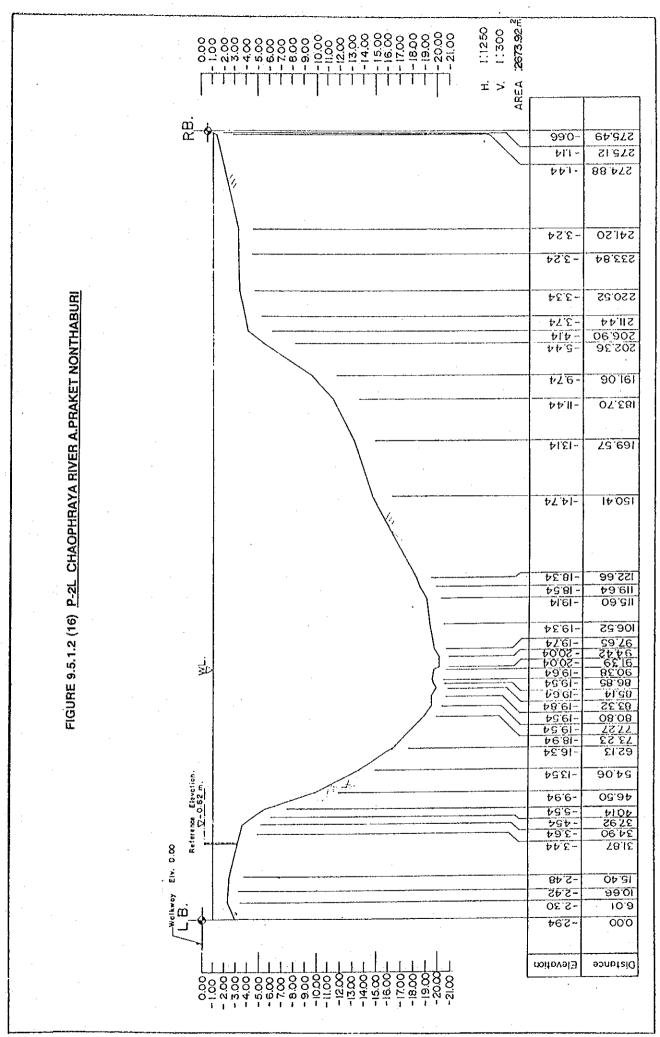


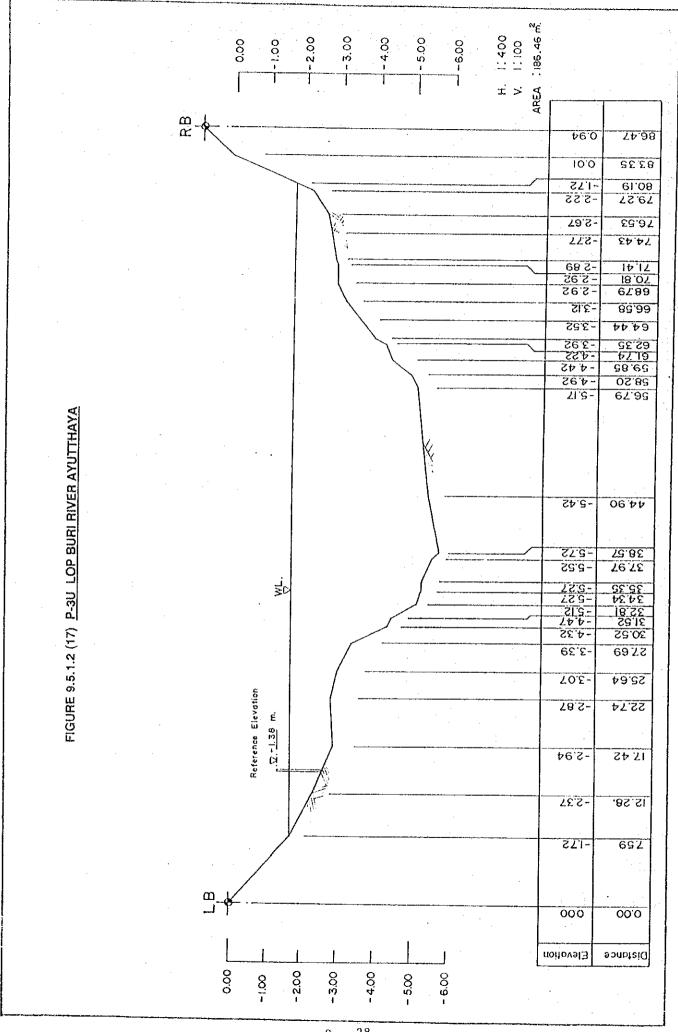


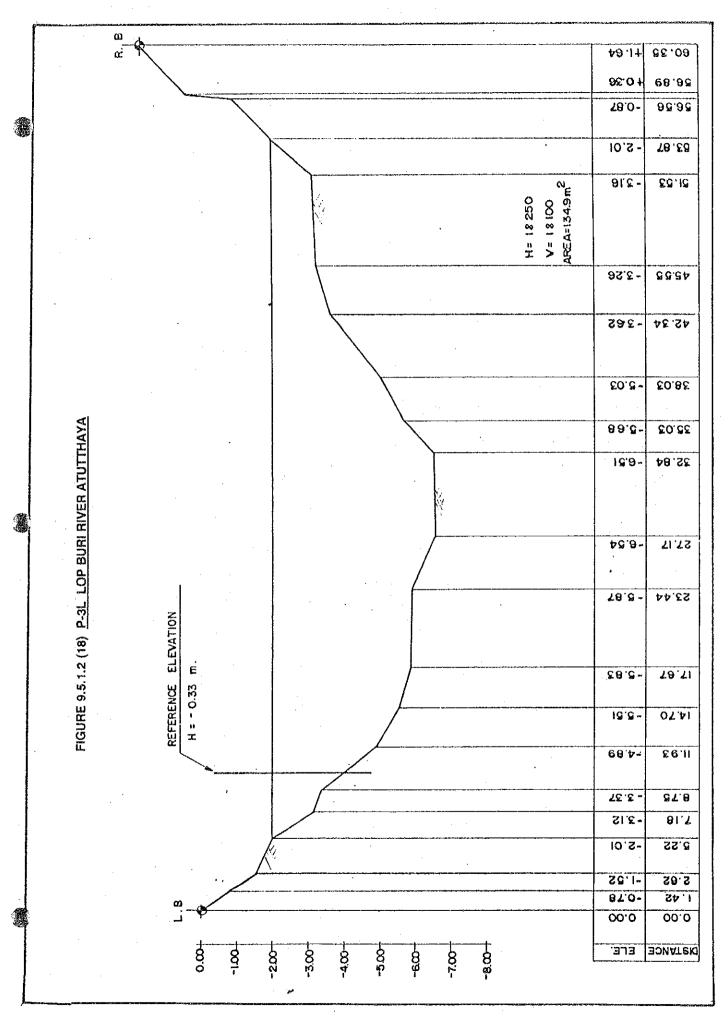












#### 9.5.1.3 WATER LEVEL MEASUREMENT

## TABLE 9.5.1.3 (1) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	PIU CHAO PHRAYA RIVER : ANGTHONG
SURVEYOR	DR. SUKIT VISESHSIN

	DIST	ANCE			HEK	SHI .		GROUND LEVEL		REMARK	
SECTION	۱ :	CUMULATI	ON	8.S.		F.S.(DEPTH)		(RIVER BED L)			
		0	ω	1	31			0	00	(L) Standard Point	
2	88	2	88			1	77	- 0	46		
3	31	6	21	-		4	03	- 2	72		
. 2	42	8	63			6	32	- 5	01	WL.= 0.03 (Post H=0.84)	
0	00	8	63			(0	80)	- 5	81	4	
3	79	12	42			ŋ	50)	- 6	51		
5	69	18	11			(2	50)	- 7	51		
3	80	21	91			(3	85)	- 8	86		
4	74	26	<b>6</b> 5			. (4	67)	- 9	68		
5	.47	32	12			. (5	11)	- 10	31		
5	10	37	22		,	(5	00)	- 10	01 .		
6	06	43	28			(5	35)	- 10	36		
4	74	48	02			(5	15)	- 10	16		
6	56	54	58	·		(5	10)	- 10	11		
4	75	59	33			(5	40)	- 10	41		
2	55	61	88			(5	35)	- 10	36		
5	83	. 67	71			(5	15)	- 10	16		
5	11	72	82			(5	25)	- 10	26		
0	73	73	55			(5	45)	- 10	46	SOUNDING	
3	43	76	98			(5	60)	10	61		
0	73	77	71			(5	30)	- 10	31		
7	87	85	58			(5	00)	- 10	01		
2	34	87	92			(5	20)	- 10	21	-	
2	41	90	33			. (4	85)	- 9	86		
3	64	93	97			(4	80)	- 9	81		
8	03	102	00			(4	50)	- 9	51		

#### TABLE 9.5.1.3 (2) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	PIU CHAO PHRAYA RIVER : ANGTHONG
SURVEYOR	DR. SUKIT VISESHSIN

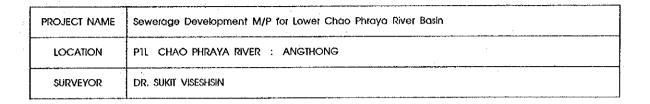
	DISTA	ANCE			HEK	SHT ·		GROUND LEVEL		REMARK
SECTION	1	CUMULATIO	ON .	B.S.		F.S.(DE	PTH)	(RIVER BEC	) L)	
5	47	107	47			(4	50)	- 9	51	
5	61.	113	08			(3	70)	- 8	71	
6	57	119	65			(3	00)	- 8	01	
4	81	124	46			(2	70)	- 7	71	SOUNDING
2	34	126	80			(2	30)	- 7	31	
ó	93	133	73			(1	75)	- 6	76	
7	51	141	24			(1	50)	6	51	
5	00	146	24			٥	35	- 5	04	WL.= 0.00
2	93	149	17	:		5	00	- 3	69	
2	99	152	16			3	95	- 2	64	(R) Standard Point
			_,_,							
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								1		
								<u> </u>		
					:					

## TABLE 9.5.1.3 (3) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	P1L CHAO PHRAYA RIVER : ANGTHONG
SURVEYOR	DR. SUKIT VISESHSIN

	DISTA	NCE			HEIG	∋HT		GROUND LEVEL		REMARK	
SECTION		CUMULATIO	ON .	8.\$,		F.S.(DE	PTH)	(RIVER BED L)			
		0	00	1	35			0 00		(L) Standard Point	
12	80	12	80			3	64	- 2	29		<u>.                                    </u>
12	75	25	55			5	52	- 4	17	WL.= 0.01 (Post H= 0.62	2)
3	82	29	37			6	18	- 4.	83	:-	
5	68	35	05			()	15)	- 5	32		
6	25	41	30			્ (1	60)	- 5	77	:	
12	01	53	31			. (3	80)	- 7	97	/	
4	87	58	18			(5	00)	- 9	17		
7	71	65	89			(6	15)	- 10	32		
1	22	67	11			(6	25)	- 10	42		
1	21	68	32	·		(6	20)	- 10	37		_
2	03	70	35			(6	20)	- 10	37	SOUNDING	
3	65	74	00			(6	65)	- 10	82		
0	82	74	82			(6	70)	- 10	87		-
2	03	76	85			(6	90)	- 11	07		
3	24	80	09			(6	60)	- 10	77		
3	01	83	10	. : .		(5	45)	- 9	62		
1	62	84	72			(4	55)	- 8	72		
2	27	86	99			(4	65)	- 8	82		
0	97	87	96			(4	90)	- 9	07		
1	47	89	43			(5	50)	- 9	67		
3	24	92	67			(6.	10)	- 10	27		
1	62	94	29	<u> </u>		(6	40)	- 10	57		
6	09	100	38			(6	40)	- 10	57		
5	68	106	06.			(5	80)	- 9	97		_
3	25	109	31			(5	80)	- 9	97		

#### TABLE 9.5.1.3 (4) MEASUREMENT RECORD OF SURVEY



	DIST	NCE			HEI	энт:		GROUND LEVEL		REMARK
SECTION	l .	CUMULATIO	ON	B.S.		F.S.(DE	PTH)	(RIVER BED	L)	
ó	90	116	21			(5	30)	- 9	47	
8	11	124	32			(5	30)	- 9	47	
11	36	135	68			(5	85)	- 10	02	
. 6	09	141	77			(5	60)	- 9	77	
2	84	144	61			(5	50)	- 9	67	
. 7	31	151	92			(5	45)	- 9	62	
3	24	155	16			(5	10)	- 9	27	
3	65	158	81			(5	00)	- 9	17	SOUNDING
3	25	162	06			(4	70)	- 8	87	
2	84	164	90			(4	65)	- 8	82	
12	58	177	48			(3	85)	- 8	02	
- 3	00	180	48			(3	30)	- 7	47	
4	71	185	19	1		. (2	00)	- 6.	17	
2	84	188	.03			, d	50)	- 5	67	
2	84	190	87			(1	35)	- 5	52	<u> </u>
0	00	190	87			5	53	- 4	18	WL,≖ 0.00
1	64	192	51			4	26	- 2	91	
3	19	195	70			2	53	- 1	18	
4	66	200	36			1	89	- 0	54	(R) Standard Point
		1.								
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# TABLE 9.5.1.3 (5) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	P2U CHAO PHRAYA RIVER : NONTHABURI BRIDGE
SURVEYOR	DR. SUKIT VISESHSIN

	DISTA	NCE			HEIG	SHT		GROUND LEVEL (RIVER BED L)		REMARK	
SECTION		CUMULATIO	DΝ	8.5.		F.S.(DE	РТН)				
		. 0	00	1	62			0 00		(L) Standard Point	
0	38	0	38			1	62	0	00		
. 0	00	0	38			2	47	- 0	85		
. 17	50	17	88			2	89	1	27	WL.= 0.00 (Post H= 0.85)	
17	74	35	62			(2	20)	- 3	42	<u> </u>	
. 2	26	37	88			(2	30)	- 3	52		
5	09	42	97			(4	95)	- 6	17		
1	13	44	10			(6	05)	- 7	27		
3	96	: 48	06			(8	15)	- 9	37	·	
3	96	52	02			. (9	05)	10	27		
. 4	19	56	21			(9	05)	- 10	27		
. 2	04	58	25			(γ	15)	- 10	37		
5	88	64	13			(9	30)	- 10	52	SOUNDING	
4	07	68	20			(10	25)	- 11	47	·	
4	19	72	39			(10	35)	- 11	:57		
3	05	75	44			(10	35)	- 11	57		
2	26	77	70			(10	10)	- 11	32		
6	79	84	49			(11	55)	- 12	77		
0	00	84	49			(11	85)	- 13	07		
5	66	90	15			(12	50)	- 13	72		
4	52	94	67	: .		(12	65)	- 13	87		
6	57	101	24			(13	38)	- 14	52		
2	82	104	06			(13	00)	- 14	22		
5	32	109	38.			(13	60)	- 14	82		
4	87	114	25			(13	50)	- 14	72		
8	71	122	96			(13	95)	- 15	17		

## TABLE 9.5.1.3 (6) MEASUREMENT RECORD OF SURVEY

	PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
٠	LOCATION	P2U CHAO PHRAYA RIVER : NONTHABURI BRIDGE
	SURVEYOR	DR. SUKIT VISESHSIN

ſ		DIST	ANCE			HER	SHT .		GROUND LEVEL		REN	REMARK	
ľ	SECTION	ı	CUMULATE	ON	B.S.		F.S.(DI	PTH)	(RIVER BED	) L)			
ľ	4	52	127	48			(13	75)	- 14	97			
	11	09	138	57			(13	95)	- 15	17			
	2	83	141	40		Ī	(13	70)	- 14	92			
	2	26	143	66			(13	85)	- 15	07			
ſ	3	39	147	05			(14	25)	- 15	47			
	5	66	152	71			(14	47)	- 15	69			
	3	96	156	67			(14	85)	- 16	07			
	4	53	161	20			(14	85)	- 16	-07			
	7	12	168	32			(14	35)	- 15	57			
	4	41	172	73			(13	75)	- 14	97			
	3	17	175	90			(13	25)	- 14	47	sour	NDING	
	. 3	74	179	64		- 1	. (13	15)	- 14	37			
	. 3	28	182	92			(12	90)	- 14	12			
	4	63	187	55			(12	80)	- 14	02			
	5	66	193	21			(12	25)	- 13	47			
	3	06	196	27			(12	50)	- 13	72			
	ó	22	202	49			(11	90)	- 13	12			
	2	83	205	32			(11	60)	- 12	82			
ſ	5	65	210	97			(11	05)	- 12	27	·		
	8	83	219	80			(8	85)	- 10	07			
	10	63	230	43			(5	50)	- 6	72			
	7	92	238	35			(3	80)	- 5	02			
	4	53	242	88	-		(3	35)	- 4	57	·		
	4	86	247	74	-		(3	30)	- 4	52		:	
	2	26	250	00			(3	05)	- 4	27			
	3	96	253	96			(3	05)	- 4	27			

## TABLE 9.5.1.3 (7) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	P2U CHAO PHRAYA RIVER : NONTHABURI BRIDGE
SURVEYOR	DR. SUKIT VISESHSIN

	DISTA	ANCE			HEK	ЭНТ		GROUND LI	EVEL	REMARK
SECTION	 	CUMULATION	ЭN	B.S.		F.S.(DE	PTH)	(RIVER BEE	L)	
. 4	53	258	49			(2	60)	- 3	82	
7	69	266	18			(1	40)	- 2	62	
5	88	272	06			(0	50)	- 1	72	SOUNDING
5	66	277	72			(0	40)	- 1	62	
2	00	279	72			2	84	- 1	22	WL.= 0.05
1	40	281	12			2	17	- 0	55	(R) Standard Point
								ļ		
								<u> </u>		
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TABLE 9.5.1.3 (8) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin									
LOCATION	P2L CHAO PHRAYA RIVER : A. PRAKET, NONTHABURI									
SURVEYOR	DR. SUKIT VISESHSIN									

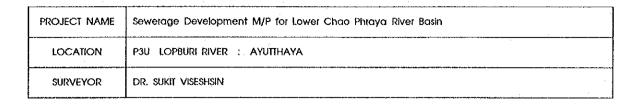
REMARK	vel.	GROUND LE		SHT	HEIG			NCE	DISTA	
	L)	(RIVER BEC	PTH)	F.S.(D		B,S.	ЛС	CUMULATK		SECTION
(L) Standard Point	00	0			35	1	00	0		
WL.= 0.00 (Post H= 0.52	14	- 1	49	2			00	0	00	0
	94	- 2	29	4			00	0	œ	0
	30	- 2	65	3			01	6	01	6
	42	- 2	77	3			66	10	65	4
	48	- 2	83	3			40	-15	74	4
	44	- 3	30)	(2		-	87	31	47	16
	64	- 3	50)	(2			90	34	03	3
	54	- 4	40)	(3			92	37	02	3
	54	- 5	40)	(4			14	40	22	2
	94	- 9	80)	(8		:	50	46	36	ó
	54	- 13	40)	(12		_	06	54	56	7
	34	- 16.	20)	- (15			13	62	07	8
	94	- 18	80)	(17			23	73	10	11
SOUNDING	54	- 19	40)	(18			27	77	04	4
	54	- 19	40)	(18			80	80	53.	3
	84	- 19	70)	(18			32	83	52	2
	64	- 19	50)	(18	7,1	·	14	85	82	1
	54	- 19	40)	(18			85	86	71	1
	64	- 19	50)	(18			38	. 90	24	5
	04	- 20	90)	(18			39	91	01	1
	04	- 20	90)	(18			42	94	03	3
	74	- 19	60)	(18			65	97	23	3
	34	- 19	20)	(18			52	106	87	8
	14	- 19	00)	(18			60	115	08	9
	54	- 18	40)	(17			64	119	04	4

# TABLE 9.5.1.3 (9) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	P2L CHAO PHRAYA RIVER : A. PRAKET, NONTHABURI
SURVEYOR	DR. SUKIT VISESHSIN

	DISTA	ANCE			HEI	SHT		GROUND L	EVEL	REMARK
SECTION	1	CUMULATION	ON	B.S.		F.S.(DI	PTH)	(RIVER BED	) L)	
3	02	122	66			(17	20)	- 18	34	
27	75	150	41			(13	60)	- 14	74	
19	16	169	57			(12	00)	- 13	14	
14	13	183	70			(10	30)	- 11	44	
7	36	191	06			(8	60)	- 9	74	
11	30	202	36			(4	30)	- 5	44	
4	54	206	9Ò			(3	00)	- 4	14	SOUNDING
4	54	211	44			(2	60)	- 3	74	-
9	08	220	52			(2	20)	- 3	34	
13	32	233	84	:		(2	10)	- 3	24	
. 7	36	241	20			(2	10)	- 3	24	
33	68	274	88			2	79	1	44	
0	24	275	12			2	49 ·	- 1	14	WL.=0.00
0	37	275	49			2	01	- 0	66	(R) Standard Point
										·
								<u>.                                    </u>		
								•		

#### TABLE 9.5.1.3 (10) MEASUREMENT RECORD OF SURVEY



	DIST	ANCE			HEK	SHT		GROUND L	EVEL.	REMARK
SECTION	Į	CUMULATI	ON	B.S.		F.S.(DI	PTH)	(RIVER BED	) L)	·
0.5		0	00	1	06			0	00	(L) Standard Point
7	59	7	59			2	78	- 1	72	WL = 0.00 (Post H= 0.34)
4	69	12	28			3	43	- 2	37	
5	14	17	42			4	00	- 2	94	
5	32	22	74			(1	15)	- 2	87	
2	90	25	64			(1	35)	- 3	07	
2	05	27	69			(I	67)	3	39	·
2	83	30	52			(2	60)	- 4	32	
1	00	31	52			(2	75)	- 4	47	
1	29	32	81			(3	40)	- 5	12	
. 1	53	34	34		:	(3	55)	- 5	27	
1	01	35	35			(3	55)	- 5	27	·
2	62	37	97			(3	80)	- 5	52	
0	60	- 38	57			(4	00)	- 5	72	
6	33	44	90			(3	70)	- 5	42	SOUNDING
11	89	56	79			(3	45)	- 5	17	
1	41	58	20			(3	20)	- 4	92	
1	65	59	85		,	(2	70)	- 4	42	
1	89	61	74			(2	50)	- 4	22	
2	50	62	35			(2	20)	3	92	
2	09	64	44			(I)	80)	- 3	52	
2	14	66	58			- (1	40)	- 3	12	
2	21	68	79			(1	20)	- 2	92	
2	02	70	81			(1	20)	- 2	92	
0	60	- 71	41			(I	17)	- 2	89	
3	02	74	43			(1	05)	- 2	77	

## TABLE 9.5.1.3 (11) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	P3U LOPBURI RIVER : AYÜTTHAYA
SURVEYOR	DR. SUKIT VISESHSIN

	DISTA	NCE			HEIG	HT		GROUND LE	VEL	REMARK
SECTION		CUMULATIO	ON.	8.\$.		F.S.(DE	PTH)	(RIVER BED	L)	<b>'</b>
2	10	76	53	:		(0	39)	- 2	67	
2	74	79	27			(0	25)	- 2	22	SOUNDING
0	92	80	19	·		2	78	- 1	72	WL.= 0.00
3	16	83	35			1	05	0	01	
3	12	- 86	47			0	12	0	94	(R) Standard Point
					·					
								·		
				-						
				. :						
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		· · · · · · · · · · · · · · · · · · ·								
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TABLE 9.5.1.3 (12) MEASUREMENT RECORD OF SURVEY

PROJECT NAME										
LOCATION	P-3L	LOP	BURI	RIVI	ER	(AYU	ТТНА	YA)	 	 
SURVEYOR										~ ************************************

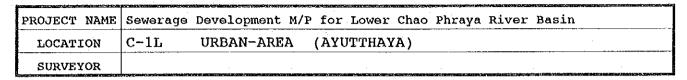
DIST	ANCE	Н	EIGHT	GROUND LEVEL	REMARKS
SECTION	CUMULATION	B.S.	F.S. (DEPTH)	(RIVER BED L)	
		0.00		0.00	(L) Standard Point
1.42	1.42		-0.78	-0.78	
1.20	2.62		-1.52	-1.52	
2.60	5.22		-2.01	-2.01	WL=0.00 (Post H=-0.33)
1.96	7.18		(1.11)	-3.12	<u> </u>
1.57	8.75		(1.36)	-3.37	
3.18	11.93		(2.88)	-4.89	
2.77	14.70		(3.50)	-5.51	
2.97	17.67		(3.82)	-5.83	
5.77	23.44		(3.86)	-5.87	
3.73	27.17		(4.53)	-6.54	SOUNDING
5.67	32.84		(4.50)	-6.51	t .
2.19	35.03		(3.67)	-5.68	
3.00	38.03		(3.02)	-5.03	
4.31	42.34		(1.61)	-3.62	·
3.21	45.55	. •	(1.25)	-3.26	
5.98	51.53		(1.15)	-3.16	<u> </u>
2.34	53.87	. 1	-2.01	-2.01	WL=0.00
2.69	56.56		-0.87	-0.87	
0.33	56.89		0.36	0.36	
3.46	60.35		1.64	1.64	(R) Standard Point
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## TABLE 9.5.1.3 (13) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	C1U KHLONG MAKAM : AYUTTHAYA
SURVEYOR	DR. SUKIT VISESHSIN

	DIST	ANCE			HEI	SHT		GROUND L	EVEL.	REMARK	
SECTION	1	CUMULATION	ON .	B.S.		F.S.(DI	EPTH)	(RIVER BEC	) L)		
		0	00	1	37			0	00	(L) Standard Point	
0	63	0	63			1	38	- 0	:01		
0	13	0	76			1	64	- 0	27		
1	97	2	73		:	2	82	- 1	45	·	
0	76	3	49			4	11	- 2	74		
1	62	5	11			4	34	- 2	97	WL.= 0.00 (Post H= 0.73	
1	35	6	45			4	49	- 3	12		
1	14	7	59			4	53	- 3	16		
1	47	9	06			4	57	- 3	20		
1	29	10	35			4	51	- 3	14		
1	52	11	87			4	33	- 2	96	WL.= 0.01	
2	∞	13	87			3	74 .	- 2	37		
2	13	16	00			1	91	- 0	54		
0	24	16	24			1	52	- 0	15		
0	72	16	96			1	52	- 0	15	(R) Standard Point	
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#### TABLE 9.5.1.3 (14) MEASUREMENT RECORD OF SURVEY



DISTA	NCE	H.	EIGHT	GROUND LEVEL	REMARKS
SECTION	CUMULATION	B.S.	F.S. (DEPTH)	(RIVER BED L)	
		1.24		0.00	(L) Standard Point
5.74	5.74		4.51	-3.27	WL=0.00 (Post H=-2.11
0.50	6.24		4.74	-3.50	
0.50	6.74		4.84	-3.60	, , , , , , , , , , , , , , , , , , , ,
0.50	7.24		4.81	-3.57	
0.50	7.74		4.90	-3.66	
0.50	8.24		4.93	-3.69	
0.50	8.74		4.86	-3.62	
0.50	9.24		4.86	-3.62	·
1.28	9.74		4.64	-3.40	
0.87	10.52		4.51	-3.27	WL=0.00
7.12	17.64		1.47	-0.23	(R) Standard Point
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#### TABLE 9.5.1.3 (15) MEASUREMENT RECORD OF SURVEY

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				-							
PROJECT	NAME	Sewerage	Development	M/P	for	Lower	Chao	Phraya	River	Basin	
LOCATI	ON	C-2U	URBAN-ARE	A	(PAT	ר אטאי	THANI	)			
SURVEY	OR										

					DEMADEC	
DISTA			EIGHT	GROUND LEVEL	REMARKS	
SECTION	CUMULATION	B.S.	F.S. (DEPTH)			
		0.89			(L) Standard Point	
0.00	0.00		1.92		WL=0.27 (Post H=-0.21)	
0.50	0.50		2.04	-1.15		
0.50	1.00		2.04	-115	.:	
0.50	1.50		2.11	-1.22		
0.50	2.00		1.65	· · · · · · · · · · · · · · · · · · ·	WL=0.00	
0.37	2.37		0.95	-0.06	(R) Standard Point	
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			<u> </u>			
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## TABLE 9.5.1.3 (16) MEASUREMENT RECORD OF SURVEY

		Development M/P for Lower Chao Phraya River Basin
LOCATION	C-2L	URBAN-AREA (PATHUM THANI)
SURVEYOR		

DIST	ANCE	н	EIGHT	GROUND LEVEL	REMARKS
SECTION	CUMULATION	B.S.	F.S. (DEPTH)	(RIVER BED L)	
		1.30		-0.46	
0.00	0.00		0.92	0.00	(L) Standard Point
0.40	0.40		0.92	0.00	
0.00	0.40		4.22	-3.30	
0.40	0.80		4.26	-3.34	·
0.40	1.20		4.22	-3.30	
0.40	1.60		4.22	-3.30	
0.40	2.00		4.18	-3.26	
0.40	2.40		4.21	-3.29	
0.40	2.80		4.21	-3.29	
0.00	2.80		3.96	-3.04	WL=0.00 (Post H=0.00)
0.00	2.80		2.14	-1.22	
0.00	2.80		0.92	0.00	
0.40	3.20		0.92	0.00	(R) Standard Point
0.00	3.20		1.69	-0.77	
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#### TABLE 9.5.1.3 (17) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	C3U KHLONG TAKIEN : AYUTTHAYA
SURVEYOR	DR. SUKIT VISESHSIN

REMARK	EVEL	GROUND L		>HT	HEIC			ANCE	DIST	
'	) L)	(RIVER BEC	PTH)	F.S.(DI		B.S.	ON	CUMULATION	1	SECTION
(L) Standard Point	00	0			40	0	00	0		
	98	- 0	38	i			41	2	41	. 2
	26	- 2	66	2			96	5	55	3
WL.= 0.00	. 11	- 3	51	3			11	11	15	5
	90	- 3	30	4			62	14,	51	. 3
	20	- 4	60	` 4			93	16	. 31	2
	21	- 4	61	4			03	19	10	2
	85	- 3	25	4			24	21	21	2
	62	- 3	02	4			23	23	99	1
	41	- 3	81	3			48	25	25	2
WL.= 0.01 (Post H= 1.07	10	- 3	50	3			<b>ó</b> 8	27	20	2
	29	- 2	69 .	2			32	30	64	2
(R) Standard Point	45 .	- 1	85	1	·		,31	35	99	4
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#### TABLE 9.5.1.3 (18) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin								
LOCATION	C3L KHLONG TAKIEN : AYUTTHAYA								
SURVEYOR	DR. SUKIT VISESHSIN								

	DISTANCE			HE	GHT		GROUND L	EVEL	REMARK	
SECTION	1	CUMULATION	ON	B.S.		F.S.(DI	РТН)	(RIVER BED	υ	
		0	00	1	35			- 0	00	(L) Standard Point
2	30	2	30			2	54	- 1	19	WL.= 0.00 (Post H= 0.58)
. 1	65	3	95			2	98	- 1	63	
1	81	5	76			3	22	- 1	87	
1	19	6	95			3	35	- 2	00	
1	83	8	78			3	52	2	17	
2	03	10	81			3	65	- 2	30	
1	76	12	57			3	34	- 1	99	
1	66	14	23			3	10	- 1	75	
2	53	16	76			2	52	- 1	17	WL.= 0.02
2	71	19	47			1	67	- 0	32	
3	38	22	85			. 0	38	- 0	97	(R) Standard Point
	-									
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## TABLE 9.5.1.3 (19) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	C4U KHLONG KRASAENG : BAN WAT SADET
SURVEYOR	DR. SUKIT VISESHSIN

. :	DISTANCE			HĖK	SHT		GROUND L	EVEL	REMARK	
SECTION		CUMULATIO	ON	B.S.	8.S. F.S.(		PTH)	(RIVER BED	j D	
		0	00	1	42			0	œ	(L) Standard Point
. 2	04	. 2	04			. 1	55	- 0	13	
2	02	4	05 ,			1	58	- 0	16	
1	31	5	37			1	80	- 0	38	WL.= 0.00 (Post H= 0.90
0	63	6	00			2	10	- 0	68	
2	00	8	ω			2	99	- 1	57	
2	00	10	00			3	30	- 1	88	
2	00	12	00			3	55	- 2	13	
2	00	14	00			3	61	- 2	19	
2	00	16	00			3	59	- 2	17	
2	00	18	00			3	26	- 1	84	
2	00	20	00			2	24	- 0	82	
3	84	23	84			1	79	- 0	37	WL = 0.01
1	95	25	79			ì	25	. 0	17	
2	45	28	24			0	67	. 0	75	(R) Standard Point
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## TABLE 9.5.1.3 (20) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	C4L KHLONG KRASAENG : BAN KRASAENG
SURVEYOR	DR. SUKIT VISESHSIN

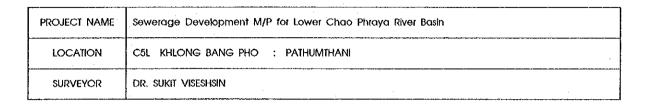
REMARK	GROUND LEVEL (RIVER BED L)			SHT	HEIG		DISTANCE			
			F.S.(DEPTH)		8.5.		CUMULATION		1	SECTION
(L) Standard Point	00	0			93	- 0	œ	0		
	11	- 0	04	1			95	2	95	2
WL.= 0.03	07	- 1	00	2			68	3	73	0
	<b>ć</b> 8	- 1	61	2			18	4	50	0
	00	- 2	93	2			68	5	50	. 1
	66	- 2	59	3			68	7	8	2
	05	- 3	98	3			<b>6</b> 8	þ	œ	2
	28	- 3	21	4			68	11	œ	2
	16	- 3	09	4			68	13	00	2
	65	- 1	58	2			70	- 15	02	2
	59	- 1	52	2			66	16	96	0
WL.=0.00 (Post H= 0.7	10	- 1	03	2			99	16	33	0
	47	- 0	40	1			.18	17	19	0 .
(R) Standard Point	47	- 0	40	1			68	17	50	0
						ı		:		
										•
		-								
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## TABLE 9.5.1.3 (21) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	C5U KHLONG BANG PHO : PATHUMTHANI
SURVEYOR	DR. SUKIT VISESHSIN

	DISTANCE			HEIG	нт		GROUND LEVEL (RIVER BED L)		REMARK	
SECTION		CUMULATION		B.\$.		F.S.(DE			PTH)	
		0	00	0	84			О	00	(L) Standard Point
2	17	2	- 17			2	02	- 1.	18	·
. 1	84	4	01			3	44	- 2	60	
2	24	6	25			3	80	- 2	96	WL.= 0.00
-1	67.	7	92	-		4	19	- 3	35	
2	16	10	08			· 5	93	- 4	19	
1	92	12	œ			5	26	- 4	42	
2	13	14	13			4	73	- 3	89	
2	27	16	40			4	38	- 3.	54	
1	92	18	32			3	79	- 2	95	WL = 0.01 (Post H= 0.74
1	87	20	19			3	64	- 2	80	-
2	16	22	35			3	08 -	- 2	24	
1	89	24	24			2	27	- 1	43 .	
2	06	26	30			1	31	- 0	47	(R) Standard Point
		<u> </u>								
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			<u> </u>				<u> </u>			
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#### TABLE 9.5.1.3 (22) MEASUREMENT RECORD OF SURVEY



	DISTANCE			HEIGHT			GROUND LEVEL		REMARK	
SECTION	1	CUMULATIO	ON	B.S.		F.S.(DE	PTH)	(RIVER BEC	L)	
		0	∞	1	78			0	00	(L) Standard Point
2	20	2	20			1	94	- 0	16	WL.= 0.00
2	57	4	77			1	98	- 0	20	`
1	96	6	73			2	14	- 0	36	
2	15	8	88			3	22	- 1	44	
1	80	10	68			3	75	- 1	97	
. 2	36	13	04			3	86	- 2	08	
2	14	15	18			3	91	- 2	13	
1	14	16	32			3	91	- 2	13	
2	96	19	28			3	82	- 2	04	
0	22	19	50			3	75	- 1	97	
I	51	21	01			. 3	27	- 1	49	
2	63	23	64			2	74	- 0	96	:
0	42	24	-06			1	91	- 0	13	WL.= 0.03 (Post H= 0.99)
1	72	25	78			1	66	0	12	
2	35	28	13	<u></u>	.,	1	40	0	38	(R) Standard Point
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## TABLE 9.5.1.3 (23) MEASUREMENT RECORD OF SURVEY

PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin
LOCATION	COL KHLONG BANG NA : PATHUMTHANI
SURVEYOR	DR. SUKIT VISESHSIN

DISTANCE SECTION CUMULATION			HEIG	SHT		GROUND LEVEL (RIVER BED L)		REMARK		
		CUMULATION		B.S.				F.S.(DE	PTH)	
		. 0	00	` 1	39			0	00	(L) Standard Point
1	56	1	56		•	1	94	- 0	55	41.41
1	49	3	05	1.1		2	54	- 1	15	WL.= 0.00 (Post H= 0.50)
2	13	5	18			3	30	-, 1	91	
1	93	7	11			3	90	- 2	51	
1	51	8	62			. 4	13	- 2	74	
2	08	10	70			4	50	- 3	11	
1	98	12	68			4	16	- 2	77	
1	96	14	64			2	93	- 1	54	
2	93	17	57			3	07	- 1	68	
2	44	20	01			3	08	- 1	69	
2	46	22	47			2	53	- 1	14	WL.≈ 0.01
2	27	24	74			1	75	- 0	36	
3	28	28	02			1	23	0	16	(L) Standard Point
	1									
			1							
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# TABLE 9.5.1.3 (24) MEASUREMENT RECORD OF SURVEY

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PROJECT NAME	Sewerage Development M/P for Lower Chao Phraya River Basin								
LOCATION	C7L KHLONG WAT PHO LERAN : PATHUMTHANI								
SURVEYOR	dr. Sukit Viseshsin								

DISTANCE			HEIGHT				VEL	REMARK		
SECTION	i	CUMULATK	ON	B.S.		F.S.(DE	PTH)	(RIVER BEC	L)	
	_	0	00	1	41			0	00	(L) Standard Point
2	45	2	45			1	49	- 0	08	
3	63	5	08			1	82	- 0	41	WL. = 0.00
2	25	. 7	33			2	ÓΊ	- 0	60	
2	14	ç	47			2	48	- 1	07	
2	08	ij	55			2	62	- 1	21	
2	30	13	85			3	01	- 1	60	
1	82	-15	67	,		2	73	- 1	32	
2	28	17	95			1	74	- 0	33	WL.=0.08 (Post H= 0.77)
3	34	21	29			1	59	- 0	18	
3	36	24	65			1	31	0	10	(R) Standard Point

## 9.5.1.4 Velocity and Flow Rate

Table 9.5.1.4 (1)

## Result of the Measurement in Chao Phraya River and its Tributaries for Concentration and Purification Ratio Calculation

Station No.: C-1U

		Water	Cross	Average		Flow Rate	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Average
		(m)	Area (m2)	(m/s)	(m3/s)	(m3/s)	(m3/2hrs)
30 t h	09:00-10:00	-2. 97	0.88	0.068	0.06	0.06	
January	10:00-11:00					0. 05	387. 1
1993	11:00-12:00	-2.97	0.88	0. 040	0. 04	0. 04	
	12:00-13:00					8. 04	266. 3
	13:00-14:00	-2. 97	0. 88	0. 049	0.04	0. 04	
	14:00-15:00	·.	:			0, 05	331. 5
	15:00-16:00	-2. 97	0. 88	0. 063	0.06	0. 06	
	16:00-17:00				:	0. 05	377. 3
	17:00-18:00	-2. 98	0. 92	0. 048	0. 04	0. 04	
	18:00-19:00					0. 02	236. 1
	19:00-20:00	~2. 98	0. 92	0. 000	0. 00	0. 00	
	20:00-21:00				-	0. 00	0.0
	21:00-22:00	-2.98	0. 92	0. 000	0.00	0. 00	
	22:00-23:00					0. 00	0. 0
	23:00-24:00	-2. 98	0. 92	0. 000	0. 00	0. 00	
31 s i	24:00-01:00					0. 00	0. 0
January	01:00-02:00	-2. 98	0. 92	0. 000	0. 00	0.00	
1993	02:00-03:00					0. 01	39. 9
	03:00-04:00	-2. 98	0. 92	0. 024	0. 02	0. 02	
	04:00-05:00					0. 02	159. 6
	05:00-06:00	-2. 98	0. 92	0. 024	0. 02	0. 02	
	06:00-07:00				·	0. 02	155. 5
	.07:00-08:00	-2. 98	0. 92	0. 022	0. 02	0. 02	
	08:00-09:00					0. 04	215. 3
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
	Average	-2. 98	0. 91	0. 028	0. 03	0. 03	180.7
Flow 1	ate (m3/day)	_			2, 168, 6	2, 168. 6	2, 168, 6

Table 9.5.1.4 (4)

Result of the Measurement in Chao Phraya River and its Tributaries

for Concentration and Purification Ratio Calculation

Station No.: C-2L

1	l	1	, occur in cuc	1	1		<del></del>
		Water	Cross	Average		Flow Rate	
Date	Time	Level	Sectional	Velocity		Interpolated	Average
		(n)	Vies (m2)	(m/s)	(m3/s)	. (m3/s).	(m3/2hrs)
30th	09:00-10:00	-1, 87	3, 43	-0.102	-0. 35	-0.35	
January	10:00-11:00					0. 06	-1, 048, 4
1993	11:00-12:00	-1.87	3, 43	0. 135	0.46	0.46	
	12:00-13:00	-				0. 43	3, 210. 5
	13:00-14:00	-2. 09	2. 90	0. 137	0.40	0. 40	·
	14:00-15:00					0. 20	2, 138. 7
	15:00-16:00	-2. 14	2. 78	0.000	0. 00	0, 00	
	16:00-17:00					0.10	362. 2
	17:00-18:00	-2. 04	3. 02	-0.067	0. 20	0. 20	
.	18:00-19:00					0. 21	1, 497, 5
	19:00-20:00	-2. 00	3. 11	0.073	0. 23	0. 23	
	20:00-21:00					0. 34	2, 051. 9
1 1	21:00-22:00	-2. 30	2. 39	0. 190	0. 45	0. 45	
	22:00-23:00					0. 30	2, 700. 1
	23:00-24:00	-2, 62	1, 63	0.083	0.14	0. 14	
31st	24:00-01:00					0. 09	823. 7
January	01:00-02:00	-2. 97	0. 79	0.065	0. 05	0. 05	
1993	02:00-03:00					0. 05	362.8
	03:00-04:00	- 3. 01	0. 69	0.070	0. 05	0. 05	
	04:00-05:00					0, 10	518. 7
	05:00-06:00	-2. 82	1. 15	-0. 125	0. 14	0. 14	
	06:00-07:00					-0.06	306. 9
	07:00-08:00	-2, 18	2. 68	-0.097	-0. 26	-0. 26	
	08:00-09:00					-0.30	-2.027.0
	09:00-10:00						
	10:00-11:00			,			
	11:00-12:00						
	Avetage	-2. 33	2. 33	0.030	0.13	0. 13	908. 1
Flow	ate (m3/day)	-	_	-	10, 897. 6	10, 897. 6	10, 897, 6

Table 9.5.1.4 (5)
Result of the Measurement in Chao Phraya River and its Tributaries
for Concentration and Purification Ratio Calculation

Station No. : C = 3 U

		Water	Cross	Average		Flow Rate	
Date	Time	Level	Sectional	Yelocity		Interpolated	Avarage
Date	111116	(m)	Area (m2)	(m/s)	(m3/s)	I .	Average
2016	00.00 10.00	<del></del>	<del></del>			(m3/s)	(m3/2hrs)
30th	09:00-10:00	-2. 71	17. 73	0. 027	0.48	0. 48	550.0
January			21.52			-0.33	550, 0
1993	11:00-12:00	- 2. 53	21, 52	-0.053	-1. 15	-1. 15	
	12:00-13:00			·		-2. 17	-11, 953, 5
	13:00-14:00	-2. 33	26. 10	-0.123	-3. 20	-3. 20	
	14:00-15:00					-2.86	-21, 788. 9
	15:00-16:00	-2. 25	28. 03	-0.090	-2. 51	-2. 51	
	16:00-17:00					0. 32	-7, 883. 4
	17:00-18:00	-2.44	23. 54	0. 134	3.16	3. 16	
	18:00-19:00					2. 73	21, 207, 6
	19:00-20:00	-2. 66	18. 75	0. 123	2. 30	2. 30	
	20:00-21:00					2. 00	15, 458, 1
	21:00-22:00	-2.70	17. 93	0. 095	1. 70	1. 70	
	22:00-23:00				·	1, 44	11, 291, 9
	23:00-24:00	-2. 71	17. 73	0.067	1. 18	1. 18	
31 s t	24:00-01:00					0. 48	5, 975, 6
January	01:00-02:00	-2. 62	19. 59	-0. 012	-0. 23	-0. 23	
1993	02:00-03:00					-0. 06	-1, 030, 5
	03:00-04:00	-2. 57	20. 65	0. 005	0. 10	0. 10	•
	04:00-05:00					0. 28	1, 388. 3
	05:00-06:00	-2. 68	18. 34	0. 025	0. 46	0.46	
	06:00-07:00					0.44	3, 255. 9
	07:00-08:00	-2. 73	17. 32	0. 025	0. 42	0. 42	
Ì	08:00-09:00		•			0. 45	3, 163, 7
	09:00-10:00						7
	10:00-11:00						
	11:00-12:00			·			
	Average .	-2. 58	20. 60	0. 019	0. 23	0. 23	1, 636. 2
Flow	ate (m3/day)	-	-	.~	19, 634, 9	19, 634, 9	19, 634. 9
	,,-, ,, 1					201 00 11 0	23, 00 1. 0

Table 9.5.1.4 (6)
Result of the Measurement in Chao Phraya River and its Tributaries
for Concentration and Purification Ratio Calculation

Station No.: C-3L

Date Time Level (m)	Cross Sectional	Average Velocity	1/	Flow Rate	
1 1	l i	Velocity	1/	i e	
(n)	1 / 0	1 .	Measured	Interpolated	Average
	Area (m2)	(m/s)	(m3/s)	(m 3/s)	(m3/2hrs)
30th 09:00-10:00 -1.80	2. 32	0. 235	0. 54	0. 54	
January 10:00-11:00				0. 51	3, 807, 1
1993 11:00-12:00 -1.80	2. 32	0. 208	0.48	0. 48	
12:00-13:00				0. 21	2. 508. 3
13:00-14:00 -1.74	2. 86	-0.019	-0.05	-0.05	
14:00-15:00				-0.05	-385. 4
15:00-16:00 -1.77	2. 58	-0.020	-0. 05	-0. 05	
16:00-17:00				0. 15	347. 7
17:00-18:00 -1.83	2. 06	0. 170	0.35	0. 35	
18:00-19:00				0. 31	2, 366, 7
19:00-20:00 -1.95	1. 19	0. 222	0. 26	0. 26	
20:00-21:00				0. 25	1, 830, 3
21:00-22:00 -1.97	1.06	0. 215	0. 23	0. 23	
22:00-23:00				0. 20	1, 559. 6
23:00-24:00 -1.99	0. 98	0. 185	- 0, 18	0. 18	
31st. 24:00-01:00				0. 09	993. 5
January 01:00-02:00 -2.04	0. 68	0. 011	0. 01	0. 01	
1993 02:00-03:00				0. 14	513. 4
03:00-04:00 -1.95	1. 19	0. 222	0. 26	0. 26	
04:00-05:00				0. 25	1, 830. 3
05:00-06:00 -1.97	1.06	0. 215	0. 23	0. 23	
06:00-07:00				0. 29	1, 864, 1
07:00-08:00 -1.83	2. 06	0. 170	0. 35	0. 35	
08:00-09:00				0. 45	2, 873, 1
09:00-10:00					
10:00-11:00					
11:00-12:00					
Average -1.89	1. 70	0. 151	0. 23	0. 23	1, 675. 7
Flow rate (m3/day) -		-	20, 108, 6	20, 108. 6	20, 108, 6

Table 9.5.1.4 (7)
Result of the Measurement in Chao Phraya River and its Tributaries
for Concentration and Purification Ratio Calculation

Station No.: C-4U

····	r <del></del>	CONTRIBUTE 3	ysiem in the	C1022 260	tional sur	vey)	
		Water	Cross	Average		Flow Rate	
Date	Time	Level	Sectional	<b>Velocity</b>	Measured	Interpolated	Average
		(m)	Ares (m2)	(m/s)	(m3/s)	(m3/s)	(m3/2brs)
30th	09:00-10:00	-1, 10	9. 94	0.000	0. 00	0.00	
lanuary	10:00-11:00				,	-0. 11	-404. 4
1993	11:00-12:00	-0. 92	12. 25	0.018	-0. 22	-0. 22	
	12:00-13:00		V. No.			0. 22	-23.9
	13:00-14:00	-0. 88	12, 79	0. 052	0. 66	0. 66	
	14:00-15:00				:	0. 81	5, 279. 6
	15:00-16:00	-1. 05	10. 57.	0. 090	0. 95	0. 95	
	16:00-17:00	· · · · · · · · · · · · · · · · · · ·				0. 95	6. 846. 6
	17:00-18:00	1. 05	10.57	0. 690	0. 95	0. 95	:
	18:00-19:00					0. 38	4, 790. 9
	19:00-20:00	-0. 98	11. 47	-0. 017	-0. 19	-0.19	
	20:00-21:00					0. 67	1. 724. 9
	21:00-22:00	-1. 00	11, 21	0. 137	1. 53	1. 53	
	22:00-23:00					1. 45	10, 734, 2
	23:00-24:00	-102	10. 95	0. 125	1, 37	1. 37	
31st	24:00-01:00	•				1. 19	9, 208, 1
January	01:00-02:00	-1. 55	4. 73	0. 213	1. 01	1. 01	
1993	02:00-03:00					0. 72	6. 223. 5
	03:00-04:00	-1. 78	2, 50	0. 172	0. 43	0. 43	
	04:00-05:00					0.16	2, 115, 5
	05:00-06:00	-1. 93	1. 29	0. 085	-0, 11	-0. 11	
	06:00-07:00					0. 01	-372.1
	07:00-08:00	-1. 56	4. 63	-0. 027	0. 12	0. 12	
	08:00-09:00					0. 06	666.3
	09:00-10:00						
	10:00-11:00				- 3-70-3		
	11:00-12:00						
	Average	-1. 24	8. 57	0. 078	0. 54	0. 54	3, 899, 1
Flow	ate (m3/day)		-		46, 789. 3	46, 789. 3	46, 789, 3

Table 9.5.1.4 (8)

Result of the Measurement in Chao Phraya River and its Tributaries

for Concentration and Purification Ratio Calculation

Station No.: C-4L

	1	Wo.to.		T	1		<del></del>
		Water	Cross	Average		Flow Rate	<del></del>
Date	Time	Level	Sectional	ŀ		Interpolated	_
		· (n)	Area (m2)	(m/s)	(m3/s)	(m3/s)	(m3/2hrs)
30th	09:00-10:00	-1, 39	15.01	-0.104	- 1. 56	-1, 56	
) anuary	10:00-11:00					-2.14	-13, 323, 1
1993	11:00-12:00	-1, 20	17. 48	-0. 155	-2. 71	-2, 71	
	12:00-13:00					-0.89	-12, 957, 1
	13:00-14:00	-1. 21	17. 35	0.054	0. 93	0. 93	
	14:00-15:00					1. 27	7, 917, 5
	15:00-16:00	-1. 34	15. 66	0. 103	1. 61	1, 61	
	16:00-17:00					0. 80	8. 667. 0
	17:00-18:00	-1. 40	14, 89	0. 000	0. 00	0.00	
	18:00-19:00					-0. 52	-1, 856, 6
	19:00-20:00	-1. 33	15. 79	-0.065	-1, 03	-1. 03	
	20:00-21:00					0. 35	-2, 464. 8
	21:00-22:00	-1. 31	16. 05	0. 108	1. 73	1. 73	
	22:00-23:00					2. 49	15, 183, 6
	23:00-24:00	-1. 61	12. 23	0. 267	3. 26	3. 26	
31st	24:00-01:00					2. 79	21, 794. 8
January	01:00-02:00	-1. 86	9. 44	0. 247	2. 33	2. 33	
1993	02:00-03:00					1. 80	14, 875, 2
	03:00-04:00	-2. 23	5. 96	0. 215	1. 28	1. 28	
	04:00-05:00					0. 78	7, 420, 8
	05:00-06:00	-2. 33	5. 13	0.055	0. 28	0. 28	
	06:00-07:00					-1, 42	-4, 091. 1
	07:00-08:00	-1. 87	9. 33	-0. 333	-3. 11	-3. 11	
	08:00-09:00					-2. 34	-19. 613. 9
	09:00-10:00						
	10:00-11:00			<u> </u>			
	11:00-12:00						
	Average	-1. 59	12, 86	0. 032	0. 25	0. 25	1, 796, 0
Flow	ate (m3/day)				21, 552, 2	21, 552, 2	21. 552. 2
	•						

Table 9.5.1.4 (9)
Result of the Measurement in Chao Phraya River and its Tributaries
for Concentration and Purification Ratio Calculation

Station No. : C = 5 U

		00010111010	larem in the	V1000 00	CTIONAL DOI	( ) )	
		Water	Cross	Average		Flow Rate	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Average
		(m)	Area (m2)	(m/s)	(m3/s)	(m3/s)	(m3/2hrs)
30th	09:00-10:00	-2. 56	15. 49	0. 240	3. 72	3. 72	
January	10:00-11:00		. ,			4. 03	27, 901. 9
1993	11:00-12:00	-2. 45	17, 40	0. 250	4. 35	4. 35	
	12:00-13:00					3, 55	28, 436, 3
	13:00-14:00	-2. 40	18. 30	0. 150	2, 74	2, 74	
	14:00-15:00					1. 54	15, 428, 2
	15:00-16:00	-2. 48	16.88	0.020	0.34	0. 34	
	16:00-17:00					0. 33	2. 417. 4
	17:00-18:00	-2. 50	16. 52	0. 020	0. 33	0. 33	
	18:00-19:00			· · · · · · · · · · · · · · · · · · ·		1. 20	5, 505. 8
	19:00-20:00	-2.46	17. 23	0.120	2. 07	2. 07	
	20:00-21:00					1. 30	12, 122, 5
	21:00-22:00	-2. 43	17. 76.	0. 030	0. 53	0. 53	
	22:00-23:00					2. 46	10, 768, 7
	23:00-24:00	-2. 55	15, 66	0. 280	4. 38	4. 38	
31 s t	24:00-01:00		-			4. 48	31, 894, 8
lanuary	01:00-02:00	-2. 73	12.69	0.360	4. 57	4. 57	
1993	02:00-03:00				·	3. 94	30, 619, 9
	03:00-04:00	-2. 89	10. 35	0.320	3. 31	3. 31	
	04:00-05:00					2. 92	22, 429. 2
	05:00-06:00	-2. 95	9. 72	0.260	2. 53	2. 53	
	06:00-07:00		`			1. 66	15, 084. 5
	07:00-08:00	-2. 92	9. 96	0. 080	0. 80	0. 80	
	08:00-09:00					2. 26	10, 991. 6
	09:00-10:00		·				
	10:00-11:00					:	
	11:00-12:00						
	Average	-2. 61	14. 83	0. 178	2. 47	2. 47	17, 800, 1
Flow	rate (m3/day)	-	- •	_	213, 601, 0	213, 601, 0	213, 601, 0

Table 9.5.1.4 (10)

Result of the Measurement in Chao Phraya River and its Tributaries

for Concentration and Purification Ratio Calculation

Station No. : C-5L

		Y	Jorem in the		T		
		Water	Cross	Average		Flow Rate	·
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Average
		(m)	Area (m2)	(m/s)	(m3/s)	(m3/s)	(m3/2hrs)
30 th	09:00-10:00	-0. 24	25. 32	0. 220	5. 57	5. 57	
lanuary	10:00-11:00				•	7. 13	45, 712, 5
1993	11:00-12:00	-0.07	28.94	0.300	8. 68	8. 68	
	12:00-13:00	The state of the s				5. 36	50, 560, 5
	13:00-14:00	-0.06	29, 18	0. 070	2. 04	2. 04	
	14:00-15:00					0. 63	9, 609, 8
	15:00-16:00	-0.19	26. 28	-0.030	-0. 79	- 0, 79	
	16:00-17:00					-0.65	-5, 175, 7
	17:00-18:00	-0. 23	25. 51	-0.020	-0.51	-0. 51	
	18:00-19:00					1. 37	3, 103. 7
1 1	19:00-20:00	-0. 15	27. 12	0. 120	3. 25	3. 25	
	20:00-21:00					2. 15	19, 454. 9
	21:00-22:00	-0. 20	26. 08	0.040	1. 04	1. 04	
	22:00-23:00					2. 58	13, 030, 5
	23:00-24:00	-0, 45	21. 63	0. 190	4. 11	4. 11	
31st	24:00-01:00					3. 72	28, 180. 7
January	01:00-02:00	-0. 75	16. 64	0. 200	3. 33	3. 33	·
1993	02:00-03:00					2. 93	22, 533, 3
	03:00-04:00	-1. 00	12.66	0. 200	2. 53	2. 53	
	04:00-05:00	1.				1. 99	16, 268, 9
	05:00-06:00	-1. 16	10. 28	0.140	1. 44	1, 44	
	06:00-07:00					2. 71	14, 934. 1
	07:00-08:00	-0.71	17. 29	0. 230	3. 98	3. 98	
	08:00-09:00					4, 77.	31, 507, 7
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
	Average	-0.43	22, 25	0. 138	2. 89	2. 89	20, 810, 0
Flow	ate (m3/day)	-			249, 720. 6	249, 720. 6	249, 720. 6

## Table 9.5.1.4 (11)

# Result of the Measurement in Chao Phraya River and its Tributaries for Concentration and Purification Ratio Calculation

Station No.: C-6L

		T	13100 11 110		7		
		Water	Cross	Average		Flow Rate	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Average
ļ		(m)	Area (m2)	(m/s)	(m3/s)	(m 3/s)	(m3/2hrs)
30th	09:00-10:00	-1. 26	15. 51	-0. 027	-0.41	-0.41	
Janua			1994.			0. 81	1, 420, 8
1993	11:00-12:00	-1. 12	18. 18	0.112	2. 03	2. 03	
	12:00-13:00					1. 01	10, 961, 2
	13:00-14:00	-1, 12	18. 18	0. 000	0.00	0.00	
	14:00-15:00					0.00	0. 0
	15:00-16:00	-1. 24	15. 88	0.000	0.00	0. 00	· .
	16:00-17:00	· .				0.00	0.0
	17:00-18:00	-1. 28	15, 14	Ó. 000	0. 00	0. 00	
	18:00-19:00					0. 21	744. 3
	19:00-20:00	-1. 26	15. 51	0. 027	0.41	0. 41	
	20:00-21:00					0. 34	2, 726, 4
]	21:00-22:00	-1. 29	14. 95	0. 018	0. 27	0. 27	
	22:00-23:00					0. 55	2, 974, 4
	23:00-24:00	-1. 63	9, 22	0. 090	0. 83	0. 83	
31 s t	24:00-01:00					0.71	5, 555, 8
lanuar	y 01:00-02:00	-1. 76	7. 78	0. 077	0. 60	0. 60	
1993	02:00-03:00					0. 45	3, 764, 7
	03:00-04:00	-2.07	5. 04	0.060	0.30	0. 30	
	04:00-05:00					0. 15	1, 633, 2
	05:00-06:00	-2. 22	3. 88	0. 000	0.00	0.00	
	06:00-07:00					-0. 67	-2. 397. 2
	07:00-08:00	-1. 77	7. 68	-0.173	-1. 33	-1. 33	
	08:00-09:00					-0. 87	-7, 936, 0
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
	Average	-1. 50	12. 25	0. 015	0. 23	0. 23	1, 620, 6
Flow	rate (m3/day)	-	-	-	19, 447, 7	19, 447, 7	19, 447, 7
		· · · · · · · · · · · · · · · · · · ·	<del></del>				

Table 9.5.1.4 (12)

Result of the Measurement in Chao Phraya River and its Tributaries

for Concentration and Purification Ratio Calculation

Station No. : C-7L

r	<del></del>	<del></del>					
		Water	Cross	Average		Flow Rate	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Average
		(m)	Area (m2)	(m/s)	(m3/s)	(m3/s)	(m3. 22 rs)
30th	09:00-10:00	-0. 69	4, 77	-0.030	-0.14	-0.14	
Januar	10:00-11:00					0. 41	957. 8
1993	11:00-12:00	-0. 53	6. 37	-0. 152	0. 97	0. 97	
	12:00-13:00					0. 48	5. 220. 5
	13:00-14:00	-0.54	6. 27	0.000	0. 00	0. 00	
	14:00-15:00					0. 15	554. 2
	15:00-16:00	-0. 68	4. 86	0.063	0. 31	0. 31	
	16:00-17:00					0. 24	1. 965. 1
	17:00-18:00	-0.71	4. 58	0. 037	0. 17	0. 17	
	18:00-19:00	·				0.08	907. 1
	19:00-20:00	-0.66	5. 05	0.000	0. 00	0. 00	
	20:00-21:00					0. 17	598.0
	21:00-22:00	-0.64	5. 25	0, 063	0. 33	0. 33	
	22:00-23:00					0.32	2. 360. 1
	23:00-24:00	-0. 90	2. 95	0. 107	0. 31	0. 31	
31 s t	24:00-01:00					0. 22	1. 914. 2
January	01:00-02:00	-1, 24	0. 79	0.152	0. 12	0. 12	
1993	02:00-03:00					0. 07	699. 8
	03:00-04:00	-1, 44	0. 16	0. 185	0. 03	0. 03	
	04:00-05:00					0. 01	145, 4
	05:00-06:00	-1. 51	0. 05	0. 145	-0. 01	-0. 01	
	06:00-07:00					-0.00	-39. 3
	07:00-08:00	-1. 22	0. 87	0. 000	0. 00	0. 00	
. [	08:00-09:00					-0. 07	-257. 5
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						i
	Average	-0.90	3. 50	0.048	0. 17	0, 17	1. 253. 0
Flow	ate (m3/day)		-	-	15, 035, 5	15, 035, 5	15. 035. 5

Table 9.5.1.4 (13)

Result of the Measurement in Chao Phraya River and its Tributaries

for Concentration and Purification Ratio Calculation

Station No.: P-1U

		Water	Cross	Average		Flow Rate	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Average
		(m)	Area (m2)	(m/s)	(n3/s)	(m3/s)	(m3/2hrs)
30th	09:00-10:00	- 4. 57	612. 61	0. 269	164, 72	164.72	
January	10:00-11:00	-				169. 23	1, 202, 191, 2
1993	11:00-12:00	-4.63	604, 27	0. 288	173. 74	173. 74	
-	12:00-13:00					121. 94	1, 064, 425, 9
	13:00-14:00	-4, 57	612. 61	0. 114	70. 14	70.14	
	14:00-15:00					56. 81	457, 005, 4
	15:00-16:00	-4, 42	633. 51	0.069	43. 47	43. 47	
	16:00-17:00		ı			41. 45	305, 730, 9
	17:00-18:00	-4. 35	643. 29	0.061	39, 43	39. 43	
	18:00-19:00					93, 50	478, 564, 7
	19:00-20:00	-4. 43	632. 11	0. 233	147. 57	147. 57	
	20:00-21:00	-				161.03	1, 110, 967, 2
	21:00-22:00	-4. 50	622. 35	0. 280	174, 49	174. 49	
	22:00-23:00				,	181, 10	1, 280, 115. 0
	23:00-24:00	-4. 58	611. 22	0. 307	187. 72	187, 72	
31 s t	24:00-01:00					179. 81	1, 323, 095, 4
January	01:00-02:00	-4. 64	602. 88	0. 285	171. 89	171. 89	
1993	02:00-03:00			•		160.88	1, 197, 995, 4
	03:00-04:00	-4. 64	602.88	0. 249	149. 87	149. 87	
	04:00-05:00					140.71	1, 046, 118, 6
	05:00-06:00	-4, 62	605, 66	0. 217	131. 56	131. 56	
	06:00-07:00					140. 13	978, 058. 8
	07:00-08:00	-4. 63	604. 27	0. 246	148.70	148. 70	
	08:00-09:00					156.71	1, 099, 474, 2
	09:00-10:00						
	10:00-11:00						
	11:00-12:00				-		
	Average.	-4. 55	615. 64	0. 218	. 133. 61	133. 61	961, 978, 6
Flow r	ate (m3/day)	-	-		1, 543, 742. 7	1, 543, 742, 7	1, 543, 742, 7

Table 9.5.1.4 (14)
Result of the Measurement in Chao Phraya River and its Tributaries
for Concentration and Purification Ratio Calculation

Station No.: P-1L

				T	T		
	•	Water	Cross	Average		Flow Rate	
Date	Time	Level	Sectional	Yelocity	Measured	Interpolated	Average
		(m)	Area (m2)	(n/s)	(m3/s)	(m3/s)	(m3/2hrs)
30th	09:00-10:00	-5. 58	534. 37	0. 182	- 116. 78	116, 78	
January	10:00-11:00					166, 59	1, 020, 142, 8
1993	11:00-12:00	-5. 60	531, 35	0, 407	216. 41	216. 41	
	12:00-13:00					160, 46	1, 356, 708. 6
	13:00-14:00	-5. 49	548. 09	0. 191	104. 51	104, 51	: .
	14:00-15:00					104. 51	752, 464, 8
	15:00-16:00	-5. 49	548.09	0. 191	104. 51	104. 51	
	16:00-17:00		,			88, 83	696, 013. 0
	17:00-18:00	-5. 34	571. 26	-0. 128	73. 15	73. 15	
	18:00-19:00					73. 15	526, 657, 7
	19:00-20:00	-5. 34	571. 26	-0. 128	73. 15	73, 15	,
	20:00-21:00			· · · · · · · · · · · · · · · · · · ·		94. 96	605, 197, 3
	21:00-22:00	-5. 58	534, 37	0, 182	116. 78	116. 78	
	22:00-23:00					135. 71	908, 969, 4
	23:00-24:00	-5. 57	535. 88	0. 289	-154. 64	154. 64	
.31st	24:00-01:00					180. 74	1, 207, 366, 2
January	01:00-02:00	-5. 57	535. 88	0.386	206. 83	206. 83	
1993	02:00-03:00					161, 81	1, 327, 086. 0
	03:00-04:00	-5. 58	534. 37	0. 182	116. 78	116. 78	
	04:00-05:00					108. 25	810, 103, 7
	05:00-06:00	-5. 56	537. 39	0. 186	99. 72	99. 72	
	06:00-07:00		1			86. 43	670, 139, 5
	07:00-08:00	-5. 34	571. 26	-0.128	73. 15	73. 15	
	08:00-09:00					94. 96	605, 197. 3
	09:00-10:00			-			
	10:00-11:00	:					
	11:00-12:00						
	Average	-5. 50	546. 13	0. 151	121. 37	121. 37	873, 837, 2
Plow	rate (m3/day)	<del>-</del>	<del>-</del> .	_	10, 486, 046, 2	10, 486, 046, 2	10, 486, 046. 2

Table 9.5.1.4 (15)
Result of the Measurement in Chao Phraya River and its Tributaries
for Concentration and Purification Ratio Calculation

Station No.: P=2U

		Water	Cross	Average		Flow Rate	:
Date	Time	Level	   Sectional	Velocity	Measured	Interpolated	Average
		(m)	Area (m2)	(m/s)	(m3/s)	(m3/s)	(m3/2h1s)
30th	09:00-10:00	-1. 47	2, 345. 09	-0.321	-752. 29	-752.29	
January	10:00-11:00					-822. 50	5, 669, 247, 6
1993	11:00-12:00	-1, 34	2, 378, 87	-0. 375	-892, 71	-892. 71	
	12:00-13:00					-935. 72	6, 582, 346, 2
	13:00-14:00	-1, 42	2, 358, 05	-0. 415	-978. 74	-978. 74	
	14:00-15:00					-172. 57	-4, 144, 735, 8
	15:00-16:00	-1. 51	2, 334, 74	0. 271	633. 59	633. 59	
	16:00-17:00					668. 39	4, 687, 131. 6
	17:00-18:00	-1, 42	2, 358, 05	0. 298	703. 19	703. 19	
	18:00-19:00					750.07	<b>5, 231, 72</b> 5, 2
	19:00-20:00	-1, 44	2, 352, 86	0. 339	796. 96	796. 96	
	20:00-21:00					731, 24	5, 501, 502, 0
	21:00-22:00	-1. 56	2, 321, 84	0. 287	665. 52	665, 52	:
	22:00-23:00			:		757. 47	5, 122, 780. 2
	23:00-24:00	-1.83	2, 253, 57	0. 377	849. 42	849. 42	
31st	24:00-01:00				·	782. 23	5, 873, 961. 6
January	01:00-02:00	-2. 13	2, 179, 58	0. 328	715. 04	715. 04	
1993	02:00-03:00					793, 27	5, 429, 926, 8
1 1	03:00-04:00	-2, 40	2, 114. 13	0. 412	871.50	871. 50	
	04:00-05:00			·		787. 51	5, 972, 430. 6
	05:00-06:00	-2. 54	2, 080. 62	0. 338	703. 53	703. 53	* 1
	06:00-07:00					45. 67	2, 697, 102. 0
	07:00-08:00	-1. 87	2. 243. 62	-0. 273	-612, 19	-612, 19	
	08:00-09:00					-682. 24	-4, 659, 940, 8
	09:00-10:00		·				
	10:00-11:00						* *
	11:00-12:00						
	Average	-1.74	2, 276, 75	0.106	225. 23		1, 621, 690, 8
Flow	rate (m3/day)	-	-		19, 460, 289, 6	19, 460, 289, 6	19, 460, 289, 6

Table 9.5.1.4 (16)
Result of the Measurement in Chao Phraya River and its Tributaries
for Concentration and Purification Ratio Calculation

Station No.: P-2L

<u> </u>	:	<del></del>	T		1		<del></del>
<b>1</b>		Water	Cross	Average	<u></u>	Flow Rate	· · · · · · · · · · · · · · · · · · ·
Date	Time	Level	Sectional	i	Measured	Interpolated	1
		(m) ·	Area (m2)	(m/s)	(2/8 (2)	(m3/s)	(m3/2hrs)
30 th	09:00-10:00	-1. 32	2, 449, 77	0.344	-843.56	-843, 56	
lanuary.	10:00-11:00					-765, 70	-5, 793, 352, 2
1993	11:00-12:00	-1. 17	2, 490, 96	-0. 276	-587. 84	-687. 84	
	12:00-13:00		-			136.88	1, 983, 445. 2
	13:00-14:00	-1. 29	2, 458, 00	-0.391	961. 61	961. 61	
	14:00-15:00					903. 92	6, 715, 895. 4
	15:00-16:00	-1. 39	2, 430, 59	0. 348	846. 24	846. 24	
	16:00-17:00					685. 83	5, 515, 417. 8
	17:00-18:00	-1. 35	2, 441, 55	0. 215	525. 42	525. 42	
1 1	18:00-19:00					438. 47	3, 469, 977. 0
	19:00-20:00	-1. 28	2, 460, 74	0.143	351. 52	351. 52	
	20:00-21:00					351. 52	2, 530, 922, 4
	21:00-22:00	-1. 28	2, 460, 74	0.143	351. 52	351. 52	
	22:00-23:00					434. 10	2, 828, 224, 8
	23:00-24:00	-1. 76	2, 330. 55	0. 222	516, 69	516. 69	
31 s t	24:00-01:00					333. 27	3, 059, 830, 8
January	01:00-02:00	-2. 03	2, 259, 53	0.066	149. 85	149. 85	
1993	02:00-03:00					, 226. 05	1, 353, 243, 6
	03:00-04:00	-2. 31	2, 187, 66	0. 138	302. 25	302. 25	
	04:00-05:00					202. 86	1, 818, 387. 0
	05:00-06:00	-2. 33	2, 182, 61	0.047	103. 47	103. 47	
	06:00-07:00					126. 66	828, 459. 0
	07:00-08:00	- 2. 03	2, 259, 53	0.066	149.85	149. 85	
	08:00-09:00					-346.86	-709, 218. 0
	09:00-10:00	·					
	10:00-11:00						
	11:00-12:00						
	Average	-1. 63	2, 367, 69	0.031	227. 25	227. 25	1, 636, 195, 2
Flow	ate (m3/day)	<u>.</u>	-	-	19. 834. 342. 4	19. 634, 342. 4	19, 634, 342, 4

Table 9.5.1.4 (17)

Result of the Measurement in Chao Phraya River and Its Tributaries

for Concentration and Purification Ratio Calculation

Station No. : P = 3U

		Water	Cross :	Average		Flow Rate	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Average
		(m)	<b>у</b> тея (ш5)	(m/s)	(m3/s)	(m3/s)	(m3/2hrs)
30 t h	09:00-10:00	-2.62	95.69	0.057	5. 43	5. 43	
January	10:00-11:00					13, 59	68, 451. 1
1993	11:00-12:00	-2. 60	96. 94	0. 224	21. 75	21, 75	
	12:00-13:00				,	0. 42	79, 806. 1
	13:00-14:00	-2.30	116. 40	-0.180	-20. 92	-20. 92	
ŀ	14:00-15:00	,				0.70	-72, 800. 8
	15:00-16:00	-2. 20	123. 17	0. 181	22. 32	22, 32	
	16:00-17:00					21. 14	156, 451. 0
	17:00-18:00	-2.38	111.08	0. 180	19. 96	19, 96	
	18:00-19:00					19. 13	140. 718. 2
	19:00-20:00	-2. 59	97. 57	0. 188	18. 31	18. 31	
	20:00-21:00					17. 27	128, 077. 2
	21:00-22:00	-2. 78	86.01	0. 189	16. 23	16. 23	
	22:00-23:00					13. 47	106, 937, 8
	23:00-24:00	-2. 78	86.01	0. 125	10. 71	10. 71	
31st	24:00-01:00					8. 60	69, 533, 6
labuary	01:00-02:00	-2. 79	85. 43	0.076	6, 50	6. 50	
1993	02:00-03:00					5. 16	41, 956. 4
	03:00-04:00	-2. 50	103.28	0.037	3. 82	3. 82	
	04:00-05:00					4. 62	30, 382, 1
	05:00-06:00	-2. 62	95. 69	0. 057	5. 43	5. 43	
	06:00-07:00					11. 87	62, 248, 6
	07:00-08:00	-2. 59	97. 57	0. 188	18. 31	18. 31	
	08:00-09:00					11. 87	108, 623. 1
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
	Ачетаде	-2. 56	99. 57	0. 110	10. 65	10.65	76, 698, 7
Flow	rate (m3/day)	<u>.</u>	-		920, 384, 4	920, 384, 4	920, 384. 4

Table 9.5.1.4 (18)

Result of the Measurement in Chao Phraya River and its Tributaries

for Concentration and Purification Ratio Calculation

Station No. P-3L

		Water	Cross	Average		Flow Rate	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Average
		(m)	Area (m2)	(m/s)	(m3/s)	(m3/s)	(m3/2hrs)
30 t h	09:00-10:00	-1. 78	146. 36	0.146	21. 37	21. 37	
January	10:00-11:00					-21. 35	106.0
1993	11:00-12:00	-1. 40	166, 04	-0. 386	-64.06	-64, 06	
	12:00-13:00					-55. 67	-431, 030, 2
	13:00-14:00	-1. 21	176. 16	-0. 268	-47. 27	-47. 27	
	14:00-15:00				,	-9. 31	-203, 683. 7
	15:00-16:00	-1. 12	181. 01	0. 158	28. 64	28. 64	· ·
	16:00-17:00					45. 97	268, 587, 2
	17:00-18:00	-1. 32	170. 29	0. 372	63, 29	63. 29	
	18:00-19:00		<u>-</u>			53. 95	422, 065, 3
	19:00-20:00	-1.54	158, 68	0. 281	44. 61	44, 61	
	20:00-21:00		:			36. 09	290, 540, 3
	21:00-22:00	-1.82	144. 35	0, 191	27. 57	27. 57	·
	22:00-23:00					13. 87	149, 213, 4
	23:00-24:00	-1. 78	146. 36	0. 001	. 0.17	0. 17.	
31 s t	24:00-01:00	-	:			11. 49	41, 979, 1
January	01:00-02:00	-1.50	160.77	0. 142	22. 80	22. 80	
1993	02:00-03:00	·				11. 40	123, 103, 3
i i	03:00-04:00	-1, 41	165. 51	0.000	0. 00	0. 00	
	04:00-05:00					15. 21	54, 746, 8
	05:00-06:00	-1. 54	158.68	0.192	30. 41	30, 41	
	06:00-07:00			·		27. 32	207, 849, 2
] [	07:00-08:00	-1. 68	151. 44	0.160	24, 23	24. 23	
	08:00-09:00					22. 80	169, 300, 6
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
	Average	-1. 51	160. 47	0.082	12. 65	12. 65	91, 064, 8
Flow	ale (m3/day)	-	-		1, 092, 777, 5	1. 092, 777. 5	1, 092, 777, 5

## 9.5.1.5 FLOW RAER OBSERVED BY RID

TABLE 9.5.1.5 (1) FLOW RATE IN CHAO PHRAYA RIVER AND ITS TRIBUTARIES OBSERVED BY RID

Station	Year			Monthly	average	flow rat	e (m3/s)	*****	:		******		
o tution		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Chao Phraya	1988				403.4	509.2	559.2	540.5	557.2	822.5	1,198.9	963.1	463.0
A.Muang	1989	272.3	347.8	444.3	522.6	490.9	729.5	361.8	485.6	658.8	846.3	741.2	434.7
Nakon	1990	217.6	277.4	486.5	471.1	507.0	913.2	475.6	463.0	792.1	840.4	617.8	465.6
Savan	1991	235.9	274.2	365.2	373.0	247.0	219.0	167.0	570.0	1,168.0	919.0	589.0	384.0
(C.2)	1992	197.0	240.0	274.0			• • • • • • • • • • • • • • • • • • • •						
	Avg.	230.7	284.9	392.5	442.5	438.5	605.2	386.2	519.0	860.4	951.2	727.8	436.8
Chao Phraya	1988				122.9	227.7	349.9	288.9	253.4	657.2	1,149.1	730.4	340.5
A.Muang	1989	171.0	125.1	125.3	110.7	103.0	348.3	124.6	103.7	203.3	374.7	180.6	307.6
Ang Thong	1990	148.4	110.2	130.9	143.8	189.1	544.7	135.6	137.6	177.8	846.7	272.8	281.5
(C.7A)	1991	171.6	136.8	143.9	124.6	108.8	96.0	88.4	199.1	649.7	432.9	154.6	259.9
	1992	118.8	107.4	114.4									
	Avg.		119.9	128.6	125.5	157.2	334.7	159.4	173.5	422.0	700.9	334.6	297.4
Chao Phraya	1988			•	54.1	209.5	367.5	311.6	261.2	781.5	1,429.6	719.0	202.9
A.Sanphaya	1989	79.1	52.6	62.8	89.1	85.7	375.4	91.5	79.4	190.4	367.8	128.6	148.9
Chai Nat	1990	50.7	49.8	93.3	93.7	149.2	574.5	104.0	91.9	167.3	8.608	204.2	153.9
	1991	66.7	72.4	78.8	75.0	49.6	43.4	42.9	190.7	572.6	387.2	93.2	83.4
	1992	45.7	59.1 	68.8		· • • • • • • • • • • • • • • • • • • •							· 
	Avg.	60.6	58.5	75.9	78.0	123.5	340.2	137.5	155.8	428,0	747.9	286.3	147.3
Pasak	1988				28.5	48.1	51.2	38.9	74.6	97.6	221.4	142.9	80.2
A.Tha Rua	1989	38.1	27.6	28.2	33.5	29.7	86.8	38.0	35.1	72.2	68.6	48.0	99.6
Ayutthaya	1990	42.6	35.7	39.9	35.6	39.8	81.1	30.1	33.1	68.7	483.6	82.5	68.5
	1991	42.4	34.8	35.9	40.8	36.7	33.0	32.2	109.5	547.2	356.7	42.1	77.0
	1992	37.7	33.8	35.3									
	Avg.	40.2	33.0	34.8	34.6	38.6	63.0	34.8	63.1	196.4	282.6	78.9	81.3
op Buri	1988		- > <b></b>	<b></b>	6.9	18.7	21,2	16.1	22,1	46.5	87.0	99.5	71.4
	1989	14.8	0.9	0.4	1.0	5.9	10.6	7.3	7.4		44.7	79.1	84.3
	1990	15.4	0.8	1.6	2.2	20.0	28.9	10.0	13.3	8.5	94.9	84.8	87.6
	1991		0.6	1.1	0.9	1.7	3.1	0.5	2.8	20.5	23.0	47.2	86.7
	1992	8.4	1.2	0.4									
	•	14.6	0.9	0.9	2.7	11.6	16.0	8.5	11.4	29.0	62.4	77.6	82.5

TABLE 9.5.1.5 (2) WATER INTAKE BY GATES AND PUMPING STATIONS IN CHAO PHRAYA RIVER AND ITS TRIBUTARIES

0.4		 1											
Gate/ Pumping St.	Year	1			average					<b>.</b>	•		٠
ruiping st.		Jan. 	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	0ct.	Nov.	Dec.
Bang Bua	1988	   -13.12	-22.52	-23.01	-19.05	-8.14	-15.36	-11.01	-28.45	-15.96	-31.15	23.96	26.92
Thong	1989	-13.21	-9.96	-21.52	-20.57	-18.58	-17.01	6.89	9.34	14.07	-17.10	5.52	-2.91
(+72.0 km)	1990	-20.65	-21.29	-6.55	- 16 .84	-12.16	-17.49	2.88	11.11	2.82	26.00	31.82	24.13
		-20.42		-20.54	-21.08	-20.04	11.86	14.57	14.02	-26.59	-26.17	4.31	0.00
-	1992	-21.35 	-24.22	-26.69	-22.79	-22.34	-15.04	-16.61	8.28	3,67	19.20	13.53	2.03
		-17.75	-20.42	-19.66	-20.07	-16.25	-10.61	-0.66	2.86	-4.40	-5.84	15.83	10.03
Pra Udom	1988	-4.31	-5.60	-6.14	-4.25	-1.52	-4.43	-2.61	0.00	6.12	7.47	8.25	11.57
(+74.0 km)	1989	-8.79	-6.42	-11.58	-10.55	-10.88	-8.29	0.00	-5.08	6.95	1.15	0.00	3.45
	1990	-11.77		-8.75	-16.53	-12.23	-15.54	-1.96	-1.87	0.00	12.19	9.89	2.04
	1991		-16.64			-14.00	-8.85	-11.56	-8.15	4.32	4.57	0.00	0.00
	1992	-12.87	-15.90	-13.81	-12.70	-11.63	-12.58	-10.81	-7.41	6.37	4.18	0.73	1.32
	Avg.		-12.64	-10.98	-11.76	-10.05	-9.94	-5.39	-4.50	4.75	5.91	3.77	3.68
Pra Intra-	1988	0.00	0.00	0.00	0.00	0.60	1.47	2.45	0.40	3.21	9.29	7.00	1.71
racha	1989	1.65	2.64	1.19	0.67	0.23	1.33	1.68	0.87	2.20	5.40	6.00	4.03
(+100.0 km)	1990	3.03	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.74	4.90	0.00
	1991		0.00	0.00	0.00	0.00	0.77	0.00	0.00	2.00	2.00	0.40	1.87
	1992   	1.13	0.21	0.00	0.00	0.00	0.00	0.00	6.32	2.00	4.78	6.67	. 0.61
	Avg.	1.16	0.63	0.24	0.13	0.17	0.71	0.83	1.52	1.88	7.44	4.99	1.64
Singhanat	1988	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0.00	0.00
(+108.0 km)	1989	0.00	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1990	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1991	3.44	13.28	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1992  }	7.86	-2.31	-1.74	-1.24	-0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Avg.	2.26	2.43	0.82	-0.25	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jao Jed	1988	14.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.56	7.87	25.93
(+136.0 km)		7.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.27
•	1990	6.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04	0.00	8.95
1	1991	9.66	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.33	0.00	0.00	26.40
	1992   -	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21,92
	lvg.	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.07	1.32	1.57	19.89

Note : - "-" refers to water intake and "+" refers to water release from gates

Bang Ban Pumping Station, data is not available for whole year, but is estimated that water intake is less than 1.0 m3/s

PWA Pumping Station, water intake varies very slightly whole year, therefore it is assumed that water intake is constant at 30.0 m3/s

<sup>-</sup> Chulalongkorn gate, data by gravity and pumping station in the recent years are not available, therefore water intake is assumed 0.0 m3/s

## TABLE 9.5.1.5 (3) RECORDED DISCHARGE AT RID'S OBSERVATION STATIONS (ON 9TH, 10TH AND 17TH JANUARY 1993)

Flow Rate Measured in Chao Phraya River and Its Tributaries

+=======	======						*******			
1	RID		Distance		Flow Rat	e (m3/s)		1		
River	Sta.	Location	from				,	i .	Average Flow	Rate
	No.		River	'	Januar	y 1993				.
!	l	<del>}</del>	Mouth							
ļ .		1	(km)	9th	10th	16th	17th	m3/s	m3/day	m3/day
========			=========				256645555	=======		
	C.2	A. Muang	372.0	239.10	227.60	195.33	195.33	214.3	18,518,976	1.85E+07
Chao		Nakorn Sawan Prov.			l .	]	1	1	<u>.</u>	
Phraya	 		1 272 0	(F 00	/7.00	FO 00			1 4 004 000	
] 	! - [	Chao Phraya Dam  Chainat Prov.	272.0   	65.00	63.00 	50.00 	50.00 	57.0 !	4,924,800	4.92E+06   
j	C.13	Ban Re Rai	261.0	i i	Data not :	available		j -	j -	i - i
ļ.		A. Sanphraya, Chainat					-			[ [
] . 	C 74	Ban Bang Kaeo	   180 0	160 20	i 156 no	115 50	130.80	1/2 0	12,344,400	1.23E+07
] 		A. Muang, Ang Thong	100.0   	107.20	i 150.00 I	115.50 	130100    -	142.5	12,544,400	1,232.07
			 			) 			 	
Lop Buri	L.5	A. Ban Phraek	187.0	12.00	8.99	5.60	4.56	7.8	672,840	6.73E+05
		Ayutthaya	!!						ļ	· [
Pasak	   -	Rama VI Dam	 	0.00	0.00	0.00	0.00	0.0	   0	0.00E+00
] .	! !	l	, , , ,	0.00	l 0.00	1 0.00	0.00   	0.0	!	0.00E/00   
i	' 	! 			  i		 	 	( 	 
i .	\$.26	A. The Rua	192.0	38.88	45.75	40.75	· 51.37	44.2	, 3,817,800	3.82E+06
1	,	Ayutthaya							Ì	

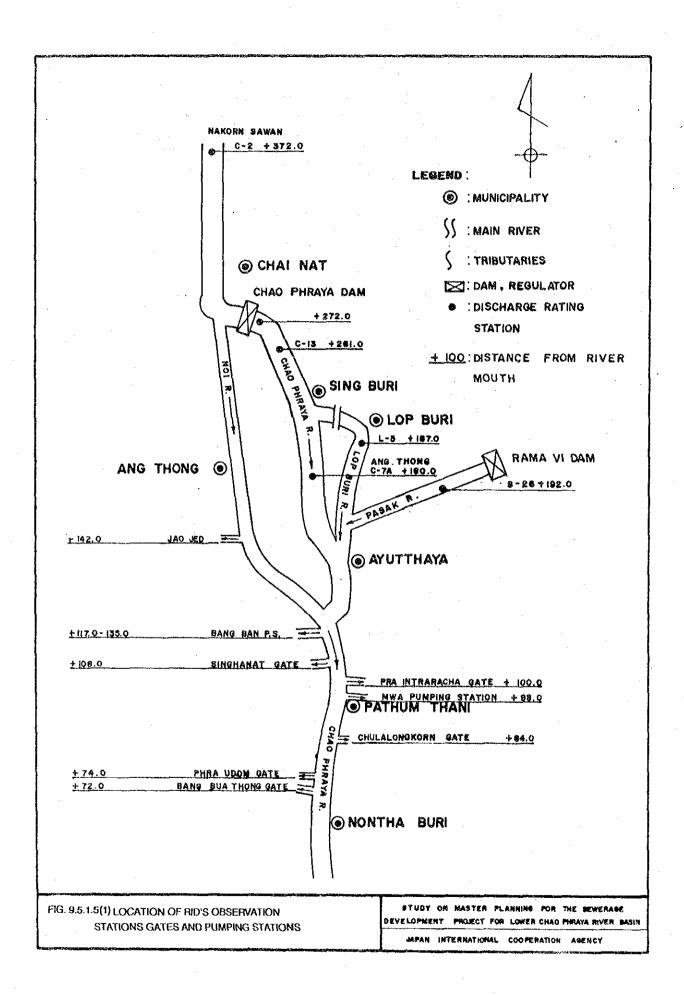
Note: Distance from river mouth of Lop Buri and Noi river is measured from PCD's set up point at Pompetch, A. Muang, Ayutthaya (142.0 km from river mouth) and at Nonthaburi Provincial Office, Nonthaburi (62.0 from river mouth) along that river respectively

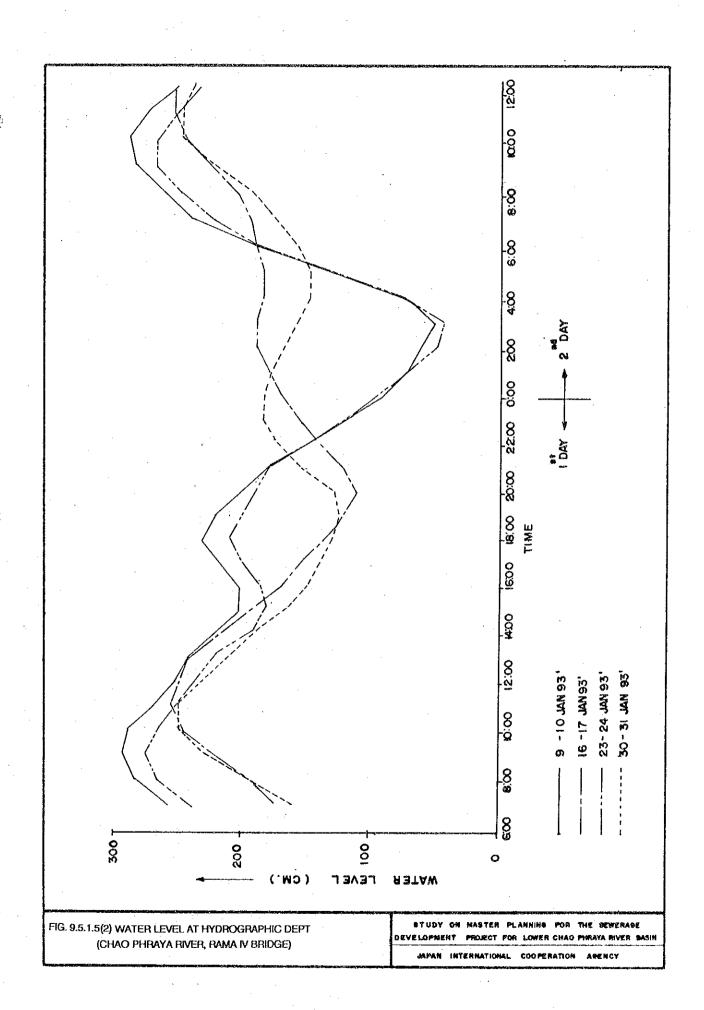
## TABLE 9.5.1.5 (4) DISCHARGE TAKEN BY MAJOR IRRIGATION GATES (ON 9TH, 10TH AND 17TH JANUARY 1993)

								:======
gay agg gai, man mad deni dem ACA 1866 1486, 1486 1	Name of		Distance	A\	/erage Flow	≀ Rate (m3,	/s)	]
River	Gate and	Location	from River					
	PumpSt.	1	Mouth	Jan. 93	Jan. 93	Jan. 93	Jan. 93	Averag
	j	Ĺ	(km)	9th	10th	16th	17th	
	ESESSESSESSES	*********				**********		
		Pathum Thani	72.0	-22.82	-17.64	-16.75	-17.28	-18.67 
Chao	Thong			<u> </u>			į.	
Phraya		Instruction	7/ 0	   -8.95	-8.92	-8.64	-10.86	-9.3
	Phra udom	Pathum Thani	74.0	ן כפ.סי ו	-0.92	-0.04 	i 10.00	, ,
	!	1	 	 	 	 	! !	! 
(In charge by RID)	Chula-	South Rangsit,	84.0	0.00	0.00	i   0.00	l 0.00	ı   0.0
by KID)		Pathum Thani	04.0 	0.00	0.00 	•1.55 		
			 	 	 	' 	 	! 
	i Phra	  North Rangsit,	100.0	0.00	0.00	0.00	0.00	0.0
	•	Pathum Thani	i .	j	İ		ļ	
	Singhanat	Pathum Thani	108.0	0.00	.0.00	0.00	0.00	0.0
	1	!	Ι,		١.		1	
							======================================	:====== 
		Total	(m3/s)	-31.77	-26.56	-25.39	-28.14	-27.9 
======================================	======== ∤ MWA Raw	Sam Lae,	======================================	-30.00	 l -30.00	l -30.00	-30.00	-30.0
		Pathum Thani	•	30.00 	] ]	30100 		]
Phraya	water intake	T raction than	 	 	 	l 	 	: 
Chao	Bang Ban	Ayutthaya	126.0	0.00	0.00	0.00	0.00	0.0
	Pumping St.	i	i	Ì :			•	
·	, · -			<del>-</del>				
Noi	Jao Jed	Ayutthaya	136.0	33.21	31.73	0.00	0.00	16.2
	1		La.		1	ŀ	1	1

Note: \* Distance from river mouth of Noi river is measured from PCD's set up point at Pompetch, Ayutthaya (142.0 km from river mouth) along that river

'-' refers to water intake and '+' refers to water release from gates





9.5.3 Investigated and Recorded Data on Flow Rate

9.5.3.1 Flow Rate

Table 9.5.3.1 (1) Recorded Discharge at RID's Observation Stations (On 13th, 14th, 20th, 21st June, 1992 and 9th, 10th, 16th, 17th January 1993)

Flow Rate Measured in Chao Phraya River and Its Tributaries

	8		Dist. from			"	Flow Rate (m3/s)	(m3/s)			Posture.			
River	Sta.	Location	River Mouth		June 1992	1992			January 1993	, 1993		•	Average Flow Rate	Rate
	Š.		(km)	13th	14th	20th	21st	OTP OTP	10th	16th	17th	m3/s	m3/day	m3/dav
Chao	C.2	A. Muang	372.0	136.0	136.0	124.0	124.0	239.1	227.6	195.3	195.3	172.2	¬	1.49E+07
Phraya		Nakorn Sawan Prov.		, , , , , , , , , , , , , , , , , , ,							to the the			
		Chao Phraya Dam	272.0	50.0	50.0	50.0	50.0	65.0	63.0	50.0	50.0	53.5	4,622,400	4.62E+06
		Chainat Prov.						•	·					
	C.13	C.13 Ban Re Rai	261.0			ı	Data not available	vailable				,	  -	
		A. Sanphraya, Chainat			•						alak ark			
	C.7A	C.7A Ban Bang Kaeo	180.0	109.0	101.0	77.2	73.3	169.2	156.0	115.5	130.8	116.5	10,065,600	1.01E+07
		A. Muang, Ang Thong					·		• "					
Lop Buri	7.5	L.5 A. Ban Phraek	187.0	Д	ata not a	Data not available		12.0	9.0	5.6	4.6	7.8	672.840	6.73E+05
		Ayutthaya		٠										)
Pasak	•	Rama VI Dam		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.00E+00
L				·									<del>, 11</del>	
	S.26	S.26 A. Tha Rua	192.0	Д	ata not a	Data not available		38.9	45.8	40.8	51.4	44.2	3,817,800	3.82E+06
		Ayutthaya									-			

- Distance from river mouth of Lop Buri and Noi river is measured from PCD's set up point at Pompetch, A. Muang, Ayutthaya (142.0 km from river mouth) and at Nonthaburi Provincial Office, Nonthaburi (62.0 from river mouth) along that river respectively

Note:

(On 13th, 14th, 20th, 21st June, 1992 and 9th, 10th, 16th, 17th January 1993) Water Intake by Irrigation Gates and Pumping Stations Table 9.5.3.1 (2)

_		COTTON OF THE CO											
		Dist. from			H.	Flow Rate (m3/s)	s (m3/s)						
River	Location	River Mouth		June 1992	1992			January 1993	7 1993		A	Average Flow Rate	Rate
		(km)	13th	14th	20th	21st	9th	10th	16th	17th	m3/s	m3/day	m3/day
Ga	Gates and Pumping stations												
Chao	in Pathum Thani		-	<u>•</u>									
Phraya - F	- Bang Bua Thong								•		<del></del>		
1	- Phra Udom	74.0	-70.4	-70.4	-70.4	-70.4	-31.8	-26.6	-25.4	-28.1	49.2	4,249,368	4.25E+06
7	- Chulalongkom	(Avg.)		· · · · · · · · · · · · · · · · · · ·						<del>prigated</del>			
1	- Phra Intraracha				<u>-</u>		Tack Transport			(Alexander also Ch			
7	- Singhanat									Call-Specialism			
Z	MWA Raw Water Intake	0.86	-30.0	-30.0	-30:0	-30.0	-30.0	-30.0	-30.0	-30.0	İ	-30.0 -2,592,000	-2.59E+06
tal	at Samlae, Pathum Thani				- :					gyetherises			
Ba	Bang Ban Pumping Station	126.0	0.0	0.0	0.0	0.0	0.0	0:0	0.0	0.0	0.0	0	0.00E+00
Ay	Ayutthaya		•							<del>oʻo i timb</del>			
Noi	Gates and Pumping stations												
, E	in Ayutthaya			<del></del>		,		,					
-	- Jao Jed	136.0	0.0	0.0	0.0	0.0	-33.2	-31.7	0.0	0.0	-8.1	-701,352	-7.01E+05

- Distance from river mouth of Lop Buri and Noi river is measured from PCD's set up point at Nonthaburi Provincial Office, Nonthaburi (62.0 km from river mouth) at Pompetch, A. Muang, Ayutthaya (142.0 km from river mouth) and along that river respectively. Note:

Table 9.5.3.1 (3)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Chainat before branch to Noi river

Station No.: 1

		Water	Cross	Average	<del></del>	te (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
	,	(m)	Area (m2)	(m/s)			
13th	09:00-10:00					188.87	
June	10:00-11:00					242.07	
1992	11:00-12:00					295.26	
	12:00-13:00	-4.22	1,482.77	0.235	348.45	348.45	
	13:00-14:00					325.14	
	14:00-15:00					301.83	
	15:00-16:00					278.52	
	16:00-17:00					255.21	
	17:00-18:00				ı	231.90	
	18:00-19:00	-4.20	1,489.94	0.140	208.59	208.59	
	19:00-20:00					187.38	
	20:00-21:00					186.17	
	21:00-22:00	·				144.96	
	22:00-23:00				:	123.75	
	23:00-24:00	-4.27	1,464.86	0.070	102.54	102.54	
14th	24:00-01:00					92.08	
June	01:00-02:00					81.61	]
1992	02:00-03:00					71.15	
	03:00-04:00					60.69	
	04:00-05:00					50.22	
	05:00-06:00					39.76	]
	06:00-07:00	-4.27	1,484.86	0.020	29.30	29.30	
	07:00-08:00	.,				82.49	
	08:00-09:00					135.68	
	09:00-10:00						1
	10:00-11:00						<u> </u>
	11:00-12:00						
	Average	-4.24	1480.61	0.114	-	168.48	

Table 9.5.3.1 (4)

## Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Sing Buri, before branch to Lop Buri river

Station No.: 2

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			
13th	09:00-10:00					46.39	
June	10:00-11:00					45.98	
1992	11:00-12:00					45.56	]
	12:00-13:00	-10.40	215.01	0.210	45.15	45.15	<u> </u>
	13:00-14:00					44.72	
	14:00-15:00					44.29	
'	15:00-16:00					43.86	
	16:00-17:00					43.43	
	17:00-18:00	-10.40	215.01	0.200	43.00	43.00	
	18:00-19:00					38.55	
	19:00-20:00					34.09	
	20:00-21:00					29.64	
	21:00-22:00					25.19	
	22:00-23:00					20.73	
	23:00-24:00	-11.70	70.79	0.230	16.28	16.28	
14th	24:00-01:00					21.58	
June	01:00-02:00					26.87	
1992	02:00-03:00			·		32.16	
	03:00-04:00					37.46	
	04:00-05:00					42.75	
	05:00-06:00	-11.00	145.59	0.330	48.05	48.05	·
	06:00-07:00					47.63	
]	07:00-08:00					47.22	
	08:00-09:00					46.80	
	09:00-10:00						
	10:00-11:00					<u> </u>	
	11:00-12:00						
<u></u>	Average	-10.88	161.60	0.237	-	38.22	

### Table 9.5.3.1 (5)

## Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Ayutthaya, before joining with Pasak river

Station No.:

3

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(a/s)	(m3/s)		
13th	09:00-10:00					56.03	
June	10:00-11:00	-5.10	281.91	0.314	88.61	88.61	
1992	11:00-12:00					81.86	
	12:00-13:00	-5.00	288.78	0.260	75.11	75.11	
]	13:00-14:00	-5.12	280.54	0.506	142.08	142.08	
	14:00-15:00	-5.31	267.64	0.600	160.46	160.46	]
	15:00-16:00					165.76	
	16:00-17:00	-5.51	254.23	0.673	171.06	171.06	
	17:00-18:00					146.62	
	18:00-19:00	·				122.19	
	19:00-20:00					97.75	
	20:00-21:00					73.31	j
•	21:00-22:00				., .	48.87	
	22:00-23:00					24.44	
	23:00-24:00	<u> </u>	<u></u>	0.000	0.00	0.00	
14th	24:00-01:00					-12.38	
June	01:00-02:00					-24.76	
1992	02:00-03:00					-37.13	
	03:00-04:00					-49.51	
	04:00-05:00					-61.89	
	05:00-06:00	-5.01	286.57	-0.259	-74.27	-74.27	
	06:00-07:00					-41.69	
	07:00-08:00			,		-9.12	
	08:00-09:00					23.46	
	09:00-10:00						
	10:00-11:00			 			
	11:00-12:00				ļ		
<u></u>	Average	-5.18	276.61	0.176		48.62	

Table 9.5.3.1 (6)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Ayutthaya, after joining with Pasak river

Station No.:

		Water	Cross	Average		ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
Date	7123	(m)	Area (m2)	(m/s)		•	
13 th	09:00-10:00	-1.78	1,043.61	0.266	277.47	277.47	
June	10:00-11:00					-20.45	
1992	11:00-12:00	-1.68	1,060.49	-0.300	-318.36	-318.36	
1000	12:00-13:00	-1.55	1,082.53	0.000	0.00	0.00	
	13:00-14:00	-1.70	1,057.11	0.364	384.51	384.51	
	14:00-15:00	-1.91	1,021.82	0.562	574.63	574.63	
	15:00-16:00					510.96	
	16:00-17:00	-2.16	980.49	0.456	447.29	447.29	İ
	17:00-18:00		<del> </del>			865.90	
	18:00-19:00	-2.25	965.79	1.330	1,284.50	1284.50	
	19:00-20:00					973.60	
	20:00-21:00					662.70	
	21:00-22:00					351.80	
	22:00-23:00					40.90	
	23:00-24:00	-2.08	993.64	-0.272	-270.00	-270.00	
14 th	24:00-01:00					-261.18	
June	01:00-02:00					-252.36	
1992	02:00-03:00					-243.54	
]	03:00-04:00					-234.72	
	04:00-05:00					-225.90	
	05:00-06:00		*.			-217.08	
	06:00-07:00	-1.47	1,096.13	-0.190	-208.26	-208.26	
ļ	07:00-08:00					-46.35	
	08:00-09:00					115.56	
	09:00-10:00						
	10:00-11:00						
	11:00-12:00					:	
	Average	-1.84	1033.51	0.169	-	174.65	

### Table 9.5.3.1 (7)

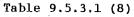
## Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Nonthaburi beside provincial office

Station No.:

5

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)	·		
13th	09:00-10:00	-0.41	2,592.38	0.042	107.84	107.84	]
June	10:00-11:00	-0.67	2,513.07	0.046	115.98	115.98	
1992	11:00-12:00	-0.95	2,427.37	0.098	236.67	236.67	]
	12:00-13:00	-1.07	2,390.68	0.368	879.53	879.53	
	13:00-14:00					1089.50	
	14:00-15:00				-	1299.47	
	15:00-16:00	-1.43	2,281.15	0.662	1,509.44	1509.44	
	16:00-17:00	-1.93	2,134.16	0.462	986.30	986.30	
	17:00-18:00	-1.89	2,145.46	0.150	320.75	320.75	
	18:00-19:00					225.55	
	19:00-20:00					130.36	·
	20:00-21:00	·				35.17	ļ
	21:00-22:00					-60.02	
	22:00-23:00	·				-155.21	
	23:00-24:00	-0.49	2,568.23	-0.098	-250.40	-250.40	
14 th	24:00-01:00					-177.11	
June	01:00-02:00					-103.82	
1992	02:00-03:00		-			-30.53	
	03:00-04:00					42.76	] .
	04:00-05:00	1.				116.05	
	05:00-06:00	-0.95	2,427.37	0.078	189.33	189.33	
	06:00-07:00					168.96	
	07:00-08:00					148.59	
	08:00-09:00					128.22	
	09:00-10:00			,	- No. William Strand and St. Strand S		ļ Į
	10:00-11:00				!		ļ
	11:00-12:00						
	Average	-1.09	2,386.65	0.121		289.72	



## Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Noi river, Chainat, after branching from main river

Station No.:

6

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
•		(m)	Area (m2)	(m/s)			
13th	09:00-10:00					24.11	
June	10:00-11:00	:				21.13	
1992	11:00-12:00					18.14	
	12:00-13:00	-6.06	63.11	0.240	15.15	15.15	} 
	13:00-14:00					16.33	
	14:00-15:00					17.52	
	15:00-16:00					18.71	
	16:00-17:00	ž.				19.90	
	17:00-18:00	-5.93	68.02	0.310	21.09	21.09	
	18:00-19:00			. :		22.28	
	19:00-20:00					23.46	
	20:00-21:00					24.65	
,	21:00-22:00					25.84	
	22:00-23:00					27.03	
	23:00-24:00					28.22	
14th	24:00-01:00	-5.92	68.40	0.430	29.41	29.41	
June	01:00-02:00					30.74	
1992	02:00-03:00					32.08	
a de la company	03:00-04:00				·	33.41	
	04:00-05:00					34.74	
	05:00-06:00	-5.86	70.73	0.510	36.07	36.07	
	06:00-07:00					33.08	
	07:00-08:00			• .		30.09	
].	08:00-09:00					27.10	
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						: 
<u></u>	Average	-5.94	67.57	0.376	-	25.43	

Table 9.5.3.1 (9)

## Result of the Measurement in Chao Phraya River and Its Tributaries

Location

: Lop Buri river, Lop Buri

Station No.:

7

		Water	Cross	Average		ate (m3/s)	<u> </u>
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m) .	Area (m2)	(m/s)			
13 th	09:00-10:00					1.61	
June	10:00-11:00					1.53	
1992	11:00-12:00	-4.98	36.49	0.040	1.46	1.46	:
	12:00-13:00					1.46	·
	13:00-14:00					1.46	
	14:00-15:00				-	1.46	
	15:00-16:00					1.46	
	16:00-17:00					1.46	
	17:00-18:00	-4.98	36.49	0.040	1.46	1.46	
	18:00-19:00					1.46	
	19:00-20:00					1.46	
	20:00-21:00					1.46	
	21:00-22:00					1.46	
	22:00-23:00				·	1.46	
	23:00-24:00	-4.98	36.49	0.040	1.46	1.46	
14 th	24:00-01:00					1.51	
June	01:00-02:00					1.56	
1992	02:00-03:00					1.62	
	03:00-04:00					1.67	
	04:00-05:00					1.72	
	05:00-06:00					1.77	
	06:00-07:00	-4.98	36.49	0.050	1.82	1.82	
	07:00-08:00					1.76	
	08:00-09:00					1.70	
	09:00-10:00						
	10:00-11:00						-
	11:00-12:00						
<del></del>	Average	-4.98	36.49	0.043	-	1.55	

Table 9.5.3.1 (10)

## Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Lop Buri river, Ayutthaya, before joining with Pasak river

Station No.: 8

		Water	Cross	Average	Flow R	ate (m3/s)	T
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			
13th	09:00-10:00					-3.35	
June	10:00-11:00	-2.88	350.26	0.000	0.00	0.00	]
1992	11:00-12:00	-2.80	357.61	-0.099	-35.56	-35.56	
	12:00-13:00	-2.81	356.69	0.091	32.48	32.48	[
	13:00-14:00	-2.86	352.09	0.080	28.31	28.31	
	14:00-15:00	-2.99	340.18	0.114	38.92	38.92	]
	15:00-16:00	-3.10	330.15	0.200	65.93	65.93	
	16:00-17:00	-3.23	318.35	0.155 ·	49.27	49.27	
	17:00-18:00	-3.29	312.92	0.152	47.48	47.48	
ļ	18:00-19:00	-3.72	274.45	0.330	90.57	. 90.57	
	19:00-20:00					69.66	
	20:00-21:00					48.75	
	21:00-22:00					27.84	
	22:00-23:00					6.94	
	23:00-24:00					-13.97	
14 th	24:00-01:00	-3.54	290.67	-0.120	-34.88	-34.88	
June	01:00-02:00					-31.25	
1992	02:00-03:00					-27.62	
į	03:00-04:00					-24.00	
	04:00-05:00					-20.37	
	05:00-06:00	-3.05	334.79	-0.050	-16.74	-16.74	
	06:00-07:00					-13.39	
	07:00-08:00					-10.04	
	08:00-09:00					-6.70	
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
	Average	-3.12	328.92	0.034	-	11.18	<u> </u>

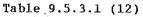
Table 9.5.3.1 (11)

Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Pasak river, Ayutthaya, before joining with Lop Buri river

9 Station No.:

<u> </u>		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
	1 1/40	(m)	Area (m2)	(m/s)			
13th	09:00-10:00	V2				-17.30	
June	10:00-11:00	-1.49	160.99	-0.124	-20.02	-20.02	
1992	11:00-12:00	-1.47	162.35	-0.054	-8.78	-8.78	
1552	12:00-13:00	-1.44	163.93	-0.159	-26.06	-26.06	
	13:00-14:00	-1.50	160.77	0.000	0.00	0.00	
	14:00-15:00	-1.61	155.04	0.142	22.00	22.00	
	15:00-16:00	-1.73	148.89	0.266	39.53	39.53	
	16:00-17:00	-1.87	141.85	0.239	33.83	33.83	
	17:00-18:00	-1.91	139.87	0.154	21.56	21.56	
	18:00-19:00	-1.86	142.55	0.330	47.04	47.04	
Į	19:00-20:00					33.96	
	20:00-21:00				<u> </u>	20.88	
	21:00-22:00					7.79	_
	22:00-23:00					-5.29	
	23:00-24:00	-1.65	153.08	-0.120	-18.37	-18.37	ļ
14th	24:00-01:00				.	-17.05	
June	01:00-02:00					-15.73	_
1992	02:00-03:00					-14.41	
	03:00-04:00					-13.09	_
	04:00-05:00					-11.77	
	05:00-06:00				· · · · · · · · · · · · · · · · · · ·	-10.45	-
1	06:00-07:00	-1.09	182.74	-0.050	-9.14	-9.14	
	07:00-08:00					-11.86	_
	08:00-09:00					-14.58	4
	09:00-10:00						-
	10:00-11:00			ļ	-		1
	11:00-12:00						
	Average	-1.60	155.64	0.003		0.53	<u> </u>



### Result of the Measurement in Chao Phraya River and Its Tributaries

Location

: Noi river, Bang Shai, before joining with main river

Station No.:

10

· .		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			 
13th	09:00-10:00					49.83	
June	10:00-11:00					41.40	
1992	11:00-12:00	-2.96	470.88	0.070	32.96	32.96	
	12:00-13:00	·				67.51	<u> </u>
	13:00-14:00					102.05	
	14:00-15:00					136.60	
]	15:00-16:00					171.15	
	16:00-17:00			,		205.69	
	17:00-18:00	-2.10	600.60	0.400	240.24	240.24	
	18:00-19:00					180.68	
]	19:00-20:00					121.12	
	20:00-21:00					61.55	
	21:00-22:00					1.99	
}	22:00-23:00					-57.57	
	23:00-24:00	-2.53	532.42	-0.220	-117.13	-117.13	
14th	24:00-01:00					-83.68	
June	01:00-02:00					~50.23	
1992	02:00-03:00					-16.77	
	03:00-04:00					16.68	
	04:00-05:00					50.13	
	05:00-06:00	-2.81	491.67	0.170	83.58	83.58	
	06:00-07:00					75.15	
	07:00-08:00					66.71	
	08:00-09:00					58.27	
	09:00-10:00						
	10:00-11:00						
	11:00-12:00					:	
	Average	-2.60	523.89	0.114	-	59.91	

## Table 9.5.3.1 (13) Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage Channel, Ang Thong

Station No.:

11

		Water	Cross	Average	T	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Heasured	Interpolated	Remark
		(m)	Area (m2)	(m/s)	-		
13th	09:00-10:00					1.96	
June	10:00-11:00					1.96	
1992	11:00-12:00	-1.33	17.84	0.110	1.96	1.96	
	12:00-13:00					1.96	
	13:00-14:00					1.96	
	14:00-15:00					1.96	
	15:00-16:00					1.96	
	16:00-17:00					1.96	
	17:00-18:00	-1.33	17.79	0.110	1.96	1.96	
	18:00-19:00					1.93	<u> </u>
	19:00-20:00					1.90	
	20:00-21:00					1.88	
-	21:00-22:00					1.85	
	22:00-23:00				<i>.</i> -	1.82	
	23:00-24:00					1.80	
14 th	24:00-01:00	-1.34	17.71	0.100	1.77	1.77	
June	01:00-02:00					1.80	
1992	02:00-03:00				·	1.83	<u> </u>
	03:00-04:00			:		1.86	
	04:00-05:00					1.89	
	05:00-06:00					1.92	
	06:00-07:00	-1.34	17.69	0.110	1.95	1.95	
	07:00-08:00					1.95	]
	08:00-09:00					1.95	
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
	Average	-1.34	17.76	0.107		1.90	

Table 9.5.3.1 (14)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage channel, Ayutthaya, connecting main river and Noi river

Station No.: 12

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			<u> </u>
13th	09:00-10:00					14.23	
June	10:00-11:00					10.40	
1992	11:00-12:00	-0.73	109.47	0.060	6.57	6.57	]
	12:00-13:00					10.80	
	13:00-14:00					15.02	]
	14:00-15:00					19.25	
	15:00-16:00					23.48	
	16:00-17:00					27.71	
	17:00-18:00	-1.38	91.25	0.350	31.94	31.94	
	18:00-19:00					20.36	
	19:00-20:00					8.78	
	20:00-21:00					-2.80	
	21:00-22:00					-14.38	
	22:00-23:00				·	-25.96	
	23:00-24:00	-1.33	89.39	-0.420	-37.55	-37.55	
14th	24:00-01:00					-26.36	
June	01:00-02:00					-15.18	
1992	02:00-03:00					-4.00	
ŀ	03:00-04:00					7.19	
	04:00-05:00					18.37	
	05:00-06:00	-0.73	109.47	0.270	29.56	29.56	
	06:00-07:00				: 	25.72	
	07:00-08:00					21.89	
[ . [	08:00-09:00					18.06	
	09:00-10:00					·	
	10:00-11:00						
	11:00-12:00						
	Average	-1.04	99.89	0.076	-	7.63	

### Table 9.5.3.1 (15)

## Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage channel, Ayutthaya, flowing to Pasak river

Station No.:

13

		Water	Cross	Average	Flow R	ate (m3/s)	]
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			
13 th	09:00-10:00	• • • • • • • • • • • • • • • • • • •				0.10	
June	10:00-11:00					0.08	]
1992	11:00-12:00					0.05	
	12:00-13:00	-3.33	1.00	0.030	0.03	0.03	
	13:00-14:00					0.05	
	14:00-15:00					0.07	
	15:00-16:00					0.09	
	16:00-17:00					0.11	
	17:00-18:00	-3.31	1.08	0.120	0.13	0.13	
	18:00-19:00				-	0.13	
	19:00-20:00					0.12	
	20:00-21:00					0.12	
	21:00-22:00					0.11	
	22:00-23:00					0.11	
	23:00-24:00	-3.32	1.04	0.100	0.10	0.10	
14 Lh	24:00-01:00					0.11	
June	01:00-02:00					0.12	
1992	02:00-03:00					0.13	
	03:00-04:00					0.14	
	04:00-05:00					0.15	
	05:00-06:00			· · ·		0.16	
	06:00-07:00	-3.28	1.22	0.140	0.17	0.17	
	07:00-08:00					0.15	-
	08:00-09:00					0.12	
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
	Average	-3.31	1.08	0.102	-	0.11	

## Table 9.5.3.1 (16)

## Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage channel, Pathum Thani, flowing to main river

Station No.: 14

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
	i v	(m)	Area (m2)	(m/s)			
13th	09:00-10:00					0.01	
June	10:00-11:00					0.01	
1992	11:00-12:00	-2.43	0.35	0.040	0.01	0.01	
	12:00-13:00					0.03	
	13:00-14:00					0.05	
	14:00-15:00					0.07	
	15:00-16:00					0.09	
	16:00-17:00					0.11	
	17:00-18:00	-2.33	0.75	0.170	0.13	0.13	
ļ	18:00-19:00					0.10	
	19:00-20:00	.*				0.08	
	20:00-21:00			•		0.06	
	21:00-22:00					0.03	
	22:00-23:00				. : –	0.01	
	23:00-24:00	-2.38	0.53	-0.030	-0.02	-0.02	
14 th	24:00-01:00					-0.01	
June	01:00-02:00					-0.01	
1992	02:00-03:00					-0.01	
	03:00-04:00	PPANTAN NA VII. TWY NAMED AND AND THE PANTANT W				0.00	
	04:00-05:00					0.00	
	05:00-06:00	-2.35	0.66	0.008	0.01	0.01	
	06:00-07:00					0.01	
	07:00-08:00				·	0.01	
	08:00-09:00					0.01	
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
	Average	-2.37	0.57	0.057	-	0.03	

Table 9.5.3.1 (17) Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage channel, Nonthaburi, flowing to main river

Station No.:

15

	Γ	<del></del>	ystem in the		<del></del>		<del></del>
		Water	Cross	Average		ate (m3/s)	]
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			
13th	09:00-10:00					0.05	
June	10:00-11:00					0.04	
1992	11:00-12:00					0.03	
	12:00-13:00					0.01	
	13:00-14:00	-2.90	0.95	0.004	0.00	0.00	
	14:00-15:00					0.04	
	15:00-16:00					0.07	
	16:00-17:00					0.11	
	17:00-18:00					0.14	
	18:00-19:00	-2.97	0.79	0.220	0.17	0.17	•
	19:00-20:00	·				0.18	
	20:00-21:00	·				0.19	
	21:00-22:00					0.19	
	22:00-23:00			~		0.20	
	23:00-24:00					0.20	
14 th	24:00-01:00	-2.03	3.04	0.069	0.21	0.21	
June	01:00-02:00	÷				0.19	
1992	02:00-03:00					0.17	
	03:00-04:00					0.15	
	04:00-05:00					0.12	
	05:00-06:00				<u> </u>	0.10	
	06:00-07:00	-2.49	1.94	0.041	0.08	0.08	
	07:00-08:00					0.07	
	08:00-09:00					0.06	
	09:00-10:00						. [
	10:00-11:00				11		
ľ	11:00-12:00					*	ĺ
	Average	-2.60	1.68	0.068	-	0.11	

Table 9.5.3.1 (18) Result of the Measurement in Chao Phraya River and Its Tributaries

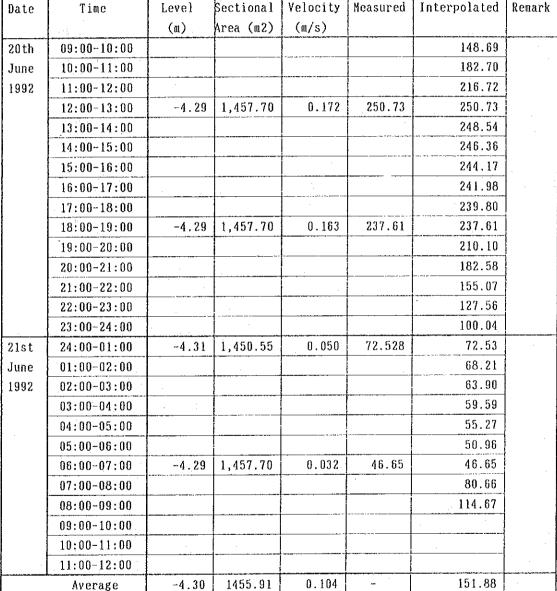
Location : Main river, Chainat before branch to Noi river

Station No.:

1

(Water level is measured from point (0,0) of the

coordinate system in the cross sectional survey) Water Cross Flow Rate (m3/s) Average Level Sectional Velocity Time (m) Area (m2) (m/s)09:00-10:00 10:00-11:00



## Table 9.5.3.1 (19) Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Sing Buri, before branch to Lop Buri river

Station No.: 2

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			
20th	09:00-10:00					77.51	:
June	10:00-11:00					74.95	
1992	11:00-12:00		ļ			72.38	
ĺ	12:00-13:00	-9.92	271.66	0.257	69.82	69.82	
	13:00-14:00					72.86	
	14:00-15:00	<u></u>				75.90	
	15:00-16:00					78.95	
	16:00-17:00					81.99	
	17:00-18:00	-9.92	271.66	0.313	85.03	. 85.03	
	18:00-19:00		-			84.53	٠.
	19:00-20:00		<u></u>			84.03	
	20:00-21:00			·		83.54	
	21:00-22:00					83.04	
	22:00-23:00		!			82.54	
	23:00-24:00	-9.92	271.66	0.302	82.04	82.04	
21st	24:00-01:00					82.49	
June	01:00-02:00					82.94	
1992	02:00-03:00					83.39	·
	03:00-04:00					83.85	
	04:00-05:00					. 84.30.	
	05:00-06:00					84.75	ļ
	06:00-07:00	-9.93	270.47	0.315	85.20	85.20	
	07:00-08:00					82.64	
	08:00-09:00			-		80.07	
:	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
	Average	-9.92	271.36	0.298	-	80.78	

Table 9.5.3.1 (20)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Ayutthaya, before joining with Pasak river

Station No.: 3

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Yelocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			
20th	09:00-10:00	-3.46	400.87	0.334	133.86	133.86	
June	10:00-11:00	-3.35	409.51	0.243	99.60	99.60	
1992	11:00-12:00	-3.39	406.36	0.317	128.79	128.79	
	12:00-13:00	-3.53	395.43	0.443	175.31	175.31	
	13:00-14:00	-3.69	383.16	0.537	205.80	205.80	]   
	14:00-15:00	-3.80	374.86	0.579	216.86	216.86	
	15:00-16:00	-3.92	366.68	0.614	225.09	225.09	
	16:00-17:00	-4.05	356.35	0.659	234.95	234.95	
	17:00-18:00	-4.18	346.86	0.752	260.68	260.68	
	18:00-19:00	-4.32	336.72	0.654	220.09	220.09	
	19:00-20:00	-4.40	330.97	0.559	185.10	185.10	
]	20:00-21:00				123.07	123.07	
	21:00-22:00	-4.13	350.50	0.174	61.05	61.05	
	22:00-23:00	-3.66	385.44	-0.098	-37.64	-37.64	
	23:00-24:00				-58.38	-58.38	
21st	24:00-01:00	-3.47	400.09	-0.198	-79.12	-79.12	
June	01:00-02:00	-3.29	414.27	-0.301	-124.55	-124.55	
1992	02:00-03:00				-127.94	-127.94	
	03:00-04:00	-3.18	423.08	-0.310	-131.33	-131.33	
	04:00-05:00	-3.24	418.26	-0.141	-58.87	-58.87	
	05:00-06:00	-3.38	407.14	0.172	70.07	70.07	·
	06:00-07:00	-3.47	400.09	0.302	120.78	120.78	
	07:00-08:00	-3.47	400.09	0.331	132.58	132.58	
	08:00-09:00	-3.47	400.09	0.357	142.89	142.89	
	09:00-10:00	-3.46	400.87	0.334	133.86		
	10:00-11:00						
	11:00-12:00	· · · · · · · · · · · · · · · · · · ·					
<u> </u>	Average	-3.46	400.87	0.220	-	88.28	

Table 9.5.3.1 (21)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Ayutthaya, after joining with Pasak river

Station No.:

		Water	Cross	Average	Flow Ra	te (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
			Area (m2)	(m/s)	wcr		
20th	09:00-10:00				275.89	275.89	
June	10:00-11:00	-1.97	1,009.87	-0.109	-110.48	-110.477	
1992	11:00-12:00	-2.09	991.99	0.281	278.47	278.472	
	12:00-13:00	-2.23	969.05	0.452	438.20	438.203	1 .
	13:00-14:00	-2.40	941.51	0.577	543.13	543.126	
	14:00-15:00	-2.52	922.28	0.595	548.97	548.965	
	15:00-16:00	-2.63	904.77	0.583	527.70	527.695	
	16:00-17:00	-2.76	884.15	0.556	491.31	491.308	
	17:00-18:00	-2.89	863.59	0.524	452.88	452.876	
	18:00-19:00	-3.03	841.53	0.519	437.17	437.166	
	19:00-20:00	-3.11	828.96	0.538	446.09	446.090	
	20:00-21:00					117.08	
	21:00-22:00	-2.79	879.40	-0.241	-211.94	-211.939	
	22:00-23:00	-2.23	969.05	-0.338	-327.62	-327.624	
	23:00-24:00					-348.84	
21st	24:00-01:00	-2.01	1,005.20	-0.368	-370.05	-370.049	<u> </u>
June	01:00-02:00	-1.87	1,028.51	-0.357	-367.30	-367.297	
1992	02:00-03:00					-320.59	
	03:00-04:00	-1.79	1,041.93	-0.263	-273.88	-273.882	
	04:00-05:00	-1.96	1,013.50	-0.072	-73.25	-73.252	
	05:00-06:00	-2.05	998.58	0.214	213.70	213.703	
]	06:00-07:00	-2.09	991.99	0.281	278.94	278.935	
	07:00-08:00	-2.11	988.70	0.289	285.56	285.558	
	08:00-09:00	-2.10	990.34	0.275	272.39	272.388	
	09:00-10:00	-2.03	1,001.89	0.275	275.89		
	10:00-11:00	:					]
	11:00-12:00						
	Average	-2.32	955.56	0.140	_	133.48	<u> </u>

Table 9.5.3.1 (22)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Nonthaburi beside provincial office

Station No.: 5

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	l Sectional	Velocity	Measured	Interpolated	Remark
		(a)	Area (m2)	(m/s)			
20th	09:00-10:00				1,158.15	-1158.15	I
June	10:00-11:00	-1.19	2,354.04	0.313	736.18	1132.59	
1992	11:00-12:00	-1.38	2,296.29	0.421	966.63	1487.13	
	12:00-13:00	-1.53	2,252.44	0.444	1,000.70	1539.54	
	13:00-14:00	-1.67	2,208.99	0.429	947.04	1456.99	
	14:00-15:00	-1.82	2,166.79	0.466	1,008.91	1552.17	
	15:00-16:00	-1.95	2,129.93	0.418	890.49	1369.99	
	16:00-17:00	-2.07	2,094.89	0.418	875.66	1347.17	
	17:00-18:00	-1.97	2,124.30	0.431	915.36	1408.24	
	18:00-19:00	-1.48	2,266.03	-0.209	-473.78	-728.89	
	19:00-20:00	-1.09	2,384.56	-0.430	-1,024.98	-1576.89	
	20:00-21:00	-0.81	2,470.20	-0.440	1,085.79	-1670.45	
	21:00-22:00	-0.85	2,459.49	-0.506	-1,245.58	-1916.27	
	22:00-23:00	-0.62	2,528.38	-0.489	-1,237.16	-1903.33	
	23:00-24:00	-0.62	2,528.38	-0.423	-1,068.55	-1643.93	
21st	24:00-01:00	-0.57	2,543.71	-0.427	-1,086.38	-1671.36	
June	01:00-02:00	-0.61	2,532.98	0.328	829.91	1276.79	. ·
1992	02:00-03:00	-0.84	2,461.02	0.231	569.30	875.84	·
	03:00-04:00	0.97	2,422.78	0.217	526.93	810.66	
	04:00-05:00	-0.89	2,447.25	0.251	613.64	944.06	
	05:00-06:00	-0.87	2,451.84	0.309	756.57	1163.95	
	06:00-07:00	-0.84	2,462.55	0.362	892.12	1372.49	
	07:00-08:00	-0.79	2,476.32	0.314	776.80	1195.08	ļ
	08:00-09:00	-0.68	2,511.54	0.251	630.58	970.13	
	09:00-10:00	-0.68	2,510.00	-0.300	-752.80		
	10:00-11:00						
	11:00-12:00						
	Average	-1.13	2372.81	0.087	-	206.74	

## Table 9.5.3.1 (23) Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Noi river, Chainat, after branching from main river

Station No.: 6

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			
20 th	09:00-10:00					15.51	
June	10:00-11:00					14.62	
1992	11:00-12:00	-5.65	79.36	0.173	13.73	13.73	
	12:00-13:00					13.35	
	13:00-14:00				·	12.98	
	14:00-15:00				-	12.61	
	15:00-16:00					12.23	
	16:00-17:00					11.86	
	17:00-18:00	-5.64	79.77	0.144	11.49	11.49	
	18:00-19:00					11.00	
	19:00-20:00					10.52	
	20:00-21:00		. :			10.03	
	21:00-22:00					9.55	
ļ	22:00-23:00					9.07	
	23:00-24:00	-5.66	78.74	0.109	8.58	8.58	
21st	24:00-01:00	<u> </u>				10.33	
June	01:00-02:00					12.08	
1992	02:00-03:00	· · · · · · · · · · · · · · · · · · ·				13.82	
	03:00-04:00					15.57	•
	04:00-05:00					17.32	
	05:00-06:00	-5.61	80.43	0.237	19.06	19.06	
	06:00-07:00					18.17	
	07:00-08:00					17.28	
	08:00-09:00	<del></del>				16.40	
	09:00-10:00	:					ĺ
	10:00-11:00						
	11:00-12:00						
<u> </u>	Average	-5.64	79.57	0.166	-	13.21	

Table 9.5.3.1 (24) Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Lop Buri river, Lop Buri

Station No.:

			system in				<del>,</del>
		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			
20th	09:00-10:00					1.68	
June	10:00-11:00					1.72	
1992	11:00-12:00	-4.73	50.52	0.035	1.75	1.75	
1	12:00-13:00					1.80	
]	13:00-14:00					1.85	
	14:00-15:00					1.90	
	15:00-16:00					1.94	
1	16:00-17:00					1.99	
	17:00-18:00	-4.73	50.52	0.040	2.04	2.04	
	18:00-19:00		·			1.97	
	19:00-20:00					1.90	
	20:00-21:00					1.83	
	21:00-22:00					1.75	
	22:00-23:00					1.68	
	23:00-24:00	-4.73	50.52	0.032	1.61	1.61	
21st	24:00-01:00					1.60	
June	01:00-02:00					1.59	
1992	02:00-03:00					1.58	
	03:00-04:00					1.57	
	04:00-05:00					1.56	
	05:00-06:00	-4.73	50.52	0.031	1.55	1.55	
	06:00-07:00					1.58	
	07:00-08:00					1.62	
	08:00-09:00					1.65	
	09:00-10:00						
	10:00-11:00						
	11:00-12:00			31. 31			·
	Average	-4.73	50.52	0.034	-	1.74	

Table 9.5.3.1 (25)

Location : Lop Buri river, Ayutthaya, before joining with Pasak river

Station No.: 8

		Water	Cross	Average		ate (m3/s)	
D - # 4	ent = o		Sectional	Velocity	Measured	Interpolated	Remark
Date	Time				neasureu	Interpolated	пешагк
		(m)	Area (m2)	(m/s)	****	F 0.7	
20th	09:00-10:00					5.27	
June	10:00-11:00	-1.74	148.38	0.097	14.37	14.37	
1992	11:00-12:00	-1.74	148.38	0.023	3.41	3.41	
	12:00-13:00	-1.85	142.85	0.023	3.29	3.29	
	13:00-14:00	-1.97	136.92	0.160	21.85	21.85	
	14:00-15:00	-2.09	131.09	0.281	36.83	36.83	
	15:00-16:00	-2.20	125.79	0.183	23.07	23.07	
	16:00-17:00	-2.31	120.54	0.204	24.58	24.58	
-	17:00-18:00	-2.43	114.87	0.075	8.58	8.58	
	18:00-19:00	-2.58	107.85	0.179	19.29	19.29	
	19:00-20:00	-2.66	104.15	0.207	21.59	21.59	
	20:00-21:00	-2.76	99.55	0.225	22.39	22.39	
	21:00-22:00	-2.61	106.46	0.067	7.17	7.17	
	22:00-23:00	-2.36	118.17	-0.031	-3.70	-3.70	
	23:00-24:00	-2.16	127.71	-0.096	-12.30	-12.30	
21st	24:00-01:00	-2.11	130.12	-0.028	-3.64	-3.64	
June	01:00-02:00	-1.96	137.41	-0.031	-4.25	-4.25	
1992	02:00-03:00	-1.90	140.36	-0.024	-3.34	-3.34	
	03:00-04:00	-1.86	142.35	-0.067	-9.57	-9.57	
	04:00-05:00	-1.71	149.91	-0.030	-4.44	-4.44	
	05:00-06:00	-1.64	153.49	-0.028	-4.30	-4.30	
	06:00-07:00	-1.82	144.35	0.050	7.22	7.22	
	07:00-08:00	-1.84	143.35	0.023	3.30	3.30	
	08:00-09:00	-1.85	142.85	0.019	2.75	2.75	
	09:00-10:00	-1.76	147.37	0.036	5.27		
	10:00-11:00						
	11:00-12:00	-		<del> </del>	<del>                                     </del>		
-	Average	-2.08	131.84	0.057		7.48	
<u> </u>		L	J	<u> </u>	L		·

Table 9.5.3.1 (26)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Pasak river, Ayutthaya, before joining with Lop Buri river

Station No.: 9

				2.10 01000	Sectional		
		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			ļ
20th	09:00-10:00					5.46	
June	10:00-11:00	-3.07	332.88	-0.024	-7.92	-7.92	<u> </u>
1992	11:00-12:00	-3.08	331.97	-0.104	-34.46	-34.46	
	12:00-13:00	-3.21	320.16	0.261	83.72	83.72	
	13:00-14:00	-3.33	309.32	0.239	74.00	74.00	i
	14:00-15:00	-3.46	297.64	0.184	54.66	54.66	
	15:00-16:00	-3.57	288.07	0.152	43.70	43.70	
	16:00-17:00	-3.68	278.06	0.104	29.04	29.04	
]	17:00-18:00	-3.82	265.79	0.126	33.56	33.56	
	18:00-19:00	-3.89	259.71	0.022	5.71	5.71	
	19:00-20:00	-4.03	247.67	0.066	16.28	16.28	ļ
	20:00-21:00	-3.93	256.25	0.074	18.84	18.84	
	21:00-22:00	-3.88	260.57	-0.035	-9.07	-9.07	ļ
	22:00-23:00	-3.81	266.66	-0.097	-25.76	-25.76	
	23:00-24:00	-3.71	275.41	-0.040	-11.03	-11.03	
21st	24:00-01:00	-3.45	298.54	-0.024	-7.30	-7.30	
June	01:00-02:00	-3.28	313.83	-0.038	-11.85	-11.85	
1992	02:00-03:00	-3.23	318.35	-0.036	-11.53	-11.53	
	03:00-04:00	-3.19	321.97	-0.040	-12.87	-12.87	
	04:00-05:00	-3.03	336.53	-0.019	-6.32	-6.32	
	05:00-06:00	-3.00	339.27	-0.051	-17.46	-17.46	
	06:00-07:00	-3.15	325.60	0.026	8.34	8.34	
	07:00-08:00	-3.18	322.88	0.017	5.49	5.49	
	08:00-09:00	-3.21	320.16	0.017	5.44	5.44	
	09:00-10:00	-3.20	321.06	0.017	5.46		
	10:00-11:00						
	11:00-12:00	:					
	Average	-3.43	300.35	0.032	-	9.53	

# Table 9.5.3.1 (27) Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Noi river, Bang Shai, before joining with main river

Station No.: 10

		T	<del></del>	the cross		<del></del>	··
		Water	Cross	Average		ate (m3/s)	ļ
Date	Time	1	Sectional	Yelocity	Measured	Interpolated	Remark
	-	(m)	Area (m2)	(m/s)			
20th	09:00-10:00					-67.93	
June	10:00-11:00				. 11	-46.75	
1992	11:00-12:00	-2.43	547.59	0.214	117.43	117.43	
	12:00-13:00	-2.54	530.92	0.052	27.71	27.71	
	13:00-14:00	-2.67	511.73	0.498	254.71	254.71	
	14:00-15:00	-2.83	488.86	0.554	270.97	270.97	
	15:00-16:00	-2.99	466.81	0.608	283.64	283.64	
	16:00-17:00	-3.10	452.14	0.593	267.91	267.91	
	17:00-18:00	-3.24	434.05	0.508	220.56	220.56	
	18:00-19:00	-3.37	418.35	0.334	139.85	139.85	
	19:00-20:00					42.66	
	20:00-21:00	-3.24	434.05	-0.126	-54.53	-54.53	
	21:00-22:00	-2.88	481.88	-0.198	-95.56	-95.56	
	22:00-23:00	-2.66	513.18	-0.200	-102.82	-102.82	
	23:00-24:00	-2.50	536.94	-0.343	-184.08	-184.08	
21st	24:00-01:00	-2.32	564.67	-0.541	-305.25	-305.25	•
June	01:00-02:00	-2.20	583.99	-0.406	-237.26	-237.26	
1992	02:00-03:00	-2.14	593.90	-0.413	-245.50	-245.50	• .
	03:00-04:00	-2.11	598.92	-0.190	-113.80	-113.80	
	04:00-05:00	-2.20	583.99	0.126	73.83	73.83	
1	05:00-06:00	-2.36	558.41	0.341	190.66	190.66	
I	06:00-07:00	-2.38	555.30	0.276	153.18	153.18	
	07:00-08:00	-2.41	550.67	0.186	102.36	102.36	
	08:00-09:00	-2.41	550.67	0.108	59.39	59.39	
	09:00-10:00	-2.38	555.30	-0.122	-67.93		
	10:00-11:00	-2.29	569.42	-0.082	-46.75		
	11:00-12:00				<del>-</del>		
	Average	-2.59	525.29	0.060	-	31.31	

## Table 9.5.3.1 (28) Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage Channel, Ayutthaya

Station No.: 11

		Water	Cross	Average	Y	ate (m3/s)	
Date	Time	ł	Sectional	Velocity	Measured	Interpolated	Remark
		1	Area (m2)	(m/s)		•	
20th	09:00-10:00					2.11	
June	10:00-11:00					2.23	1
1992	11:00-12:00	-1.45	15.82	0.148	2.34	2.34	
	12:00-13:00					2.36	
	13:00-14:00	:				2.37	
]	14:00-15:00					2.39	
	15:00-16:00	,				2.40	
	16:00-17:00			_	: .	2.42	
	17:00-18:00	-1.45	15.82	0.154	2.44	2.44	
	18:00-19:00					2.44	:
	19:00-20:00					2.44	
	20:00-21:00				_	2.44	
	21:00-22:00					2.45	
	22:00-23:00					2.45	·
	23:00-24:00	-1.45	15.82	0.155	2.45	2.45	
21st	24:00-01:00					2.32	
June	01:00-02:00					2.19	
1992	02:00-03:00					2.06	
	03:00-04:00					1.92	
	04:00-05:00					1.79	
	05:00-06:00	-1.45	15.82	0.105	1.66	1.66	
	06:00-07:00					1.77	
	07:00-08:00					1.89	
	08:00-09:00					2.00	
	09:00-10:00						
	10:00-11:00						
	11:00-12:00	.,					
	Average	-1.45	15.82	0.140		2.22	

Table 9.5.3.1 (29)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage channel, Ayutthaya, connecting main and Noi river

Station No.: 12

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	1	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			
20th	09:00-10:00					19.87	
June	10:00-11:00					16.80	
1992	11:00-12:00	-1.04	98.68	0.139	13.72	13.72	
	12:00-13:00					15.57	
:	13:00-14:00					17.42	
	14:00-15:00					19.27	
	15:00-16:00					21.13	
	16:00-17:00					22.98	
	17:00-18:00	-2.12	66.04	0.376	24.83	24.83	
	18:00-19:00					27.14	
	19:00-20:00					29.45	
	20:00-21:00		:	<u> </u>		31.76	
	21:00-22:00					34.08	
	22:00-23:00					36.39	ļ
	23:00-24:00	-1.41	86.96	0.445	38.70	38.70	ļ <u>.</u>
21st	24:00-01:00					37.33	<u>.</u>
June	01:00-02:00				1	35.96	<u> </u>
1992	02:00-03:00			<u> </u>	. -	34.59	<u> </u>
	03:00-04:00				<b></b>	33.22	·
	04:00-05:00	<u> </u>				31.85	
	05:00-06:00					30.48	
	06:00-07:00	-1.03	99.02	0.294	29.11	29.11	! -
	07:00-08:00				<u> </u>	26.03	<u> </u>
	08:00-09:00	<del> </del>	<u> </u>	ļ		22.95	-
	09:00-10:00	· · · · · ·					
	10:00-11:00				<u> </u>		-
	11:00-12:00	1					<u> </u>
	Average	-1.40	87.68	0.309	-	27.11	<u> </u>

Table 9.5.3.1 (30)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage channel, Ayutthaya, flowing to Pasak river

Station No.: 13

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
		(m)	Area (m2)	(m/s)			
20th	09:00-10:00	: .				0.06	
June	10:00-11:00					0.06	
1992	11:00-12:00				į	0.06	
	12:00-13:00	-2.92	3.19	0.017	0.05	0.05	
İ	13:00-14:00					0.05	
	14:00-15:00					0.05	
	15:00-16:00					0.05	
	16:00-17:00					0.05	
ļ	17:00-18:00				•	0.05	
	18:00-19:00	-2.92	3.19	0.015	0.05	0.05	
	19:00-20:00					0.05	
	20:00-21:00					0.05	
	21:00-22:00					0.05	
	22:00-23:00					0.06	
	23:00-24:00	-2.92	3.19	0.018	0.06	0.06	
21st	24:00-01:00					0.06	
June	01:00-02:00					0.06	
1992	02:00-03:00					0.06	
	03:00-04:00					0.06	
	04:00-05:00					0.06	
	05:00-06:00					0.06	
	06:00-07:00	-2.92	3.19	0.019	0.06	0.06	
	07:00-08:00					0.06	-
	08:00-09:00					0.06	
	09:00-10:00						
	10:00-11:00						
	11:00-12:00						
L	Average	-2.92	3.19	0.017		0.06	

### Table 9.5.3.1 (31)

## Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage channel, Pathum Thani, flowing to main river

Station No.: 14

		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remark
-		(m)	Area (m2)	(m/s)			
20th	09:00-10:00		:			0.32	
June	10:00-11:00		:			0.34	
1992	11:00-12:00	-1.67	7.33	0.049	0.36	0.36	
	12:00-13:00					0.41	<u> </u>
	13:00-14:00					0.47	
	14:00-15:00					0.52	
	15:00-16:00					0.57	
	16:00-17:00					0.63	
	17:00-18:00	-1.92	4.37	0.156	0.68	0.68	
	18:00-19:00					0.66	
	19:00-20:00					0.64	
	20:00-21:00					0.62	
	21:00-22:00					0.60	
	22:00-23:00					0.58	
	23:00-24:00	-1.23	14.79	0.038	0.56	0.56	
21s t	24:00-01:00					0.51	
June	01:00-02:00					0.46	
1992	02:00-03:00					0.41	
	03:00-04:00					0.35	_
	04:00-05:00		]			0.30	
	05:00-06:00	-1.32	13.10	0.019	0.25	0.25	
	06:00-07:00					0.27	·
	07:00-08:00					0.29	
	08:00-09:00					0.30	:
	09:00-10:00						
	10:00-11:00						
<u></u>	11:00-12:00						
	Average	-1.54	9.89	0.047	_	0.46	

Table 9.5.3.1 (32)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage channel, Nonthaburi, flowing to main river

Station No.: 15

	I	Water	Cross		r		1
Date	Time	Level	Sectional	Average Velocity	Measured	ate (m3/s) Interpolated	Remark
Date	11006		1		neasureu	interbotated	Kemark
		(m)	Area (m2)	(m/s)	 		<u> </u>
20th	09:00-10:00					0.08	Ī
June	10:00-11:00					0.09	
1992	11:00-12:00					0.11	
	12:00-13:00	-3.00	0.71	0.169	0.12	0.12	
	13:00-14:00					0.12	
	14:00-15:00					0.12	
	15:00-16:00					0.12	
1.	16:00-17:00					0.12	
	17:00-18:00					0.11	
	18:00-19:00	-3.03	0.64	0.176	0.11	0.11	
	19:00-20:00					0.15	
	20:00-21:00					0.20	
	21:00-22:00					0.24	
	22:00-23:00					0.28	
	23:00-24:00					0.32	
21st	24:00-01:00	-2.33	2.32	0.155	0.36	0.36	
June	01:00-02:00					0.32	
1992	02:00-03:00					0.27	
	03:00-04:00					0.23	
	04:00-05:00					0.18	
	05:00-06:00	,				0.14	
	06:00-07:00					0.10	
	07:00-08:00	-2.58	1.72	0.031	0.05	0.05	
	08:00-09:00					0.07	
	09:00-10:00						ļ
'	10:00-11:00						
	11:00-12:00						
	Average	-2.74	1.35	0.124	<u>-</u> .	0.17	

Table 9.5.3.1 (33)

### Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Chainal before diverting to Noi river

Station No. :

		Water	Cross	Average	<del></del>	ite (m3/s)	· · · · · · · · · · · · · · · · · · ·
Date	Time	Level	Sectional	Yelocity	Measured	laterpolated	Remaris
		(m)	Area (m2)	(n/s)			
911	09:00-10:00		·				···
January	10:00-11:00					54. 56	
1993	11:00-12:00					36. 45	
	12:00-13:00	-4. 09	1, 529, 43	0. 012	18. 35	18. 35	
	13:00-14:00	j				32. 42	
	14:00-15:00					46. 50	
	15:00-16:00					60. 57	• .
	16:00-17:00					74. 64	
	17:00-18:00					88. 71	
	18:00-19:00	-4, 14	1, 511, 47	0. 068	102. 78	102, 78	
	19:00-20:00					106, 45	
	20:00-21:00					110, 13	
	21:00-22:00					113.80	
	22:00-23:00					117. 48	
	23:00-24:00					121. 15	
10th	24:00-01:00	-4. 11	1, 522, 24	0.082	124.82	124. 82	
Japuary	01:00-02:00					125. 18	
1993	02:00-03:00					125, 54	
	03:00-04:00					125. 89	
	04:00-05:00					126. 25	
	05:00-06:00					126. 61	
	06:00-07:00	-4. 14	1, 511, 47	0. 084	126.96	126.96	
	07:00-08:00					108.86	
	08:00-09:00					90. 76	
	09:00-10:00					72. 66	
-	10:00-11:00					1 1	
	11:00-12:00						
	Vactage	-4. 12	1, 518, 65	0.062	93. 23	93. 23	
Flow	ate (m3/day)			, -	8, 055, 076	8. 055. 076	

## Table 9.5.3.1 (36)

## Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Ayulthaya, after joining with Pasak river

Station No.: 4

<u> </u>		T	T	1	Flow Pa	ite (m3/s)	<u> </u>
, .	Tr :	Water	Cross	Average		Average in	Remarks
Date	Time	Level	Sectional	Velocity	we a 2 ft i e ft		Vema172
		(m)	Area (m2)	(m/s)		6 hrs.	<u> </u>
911	09:00-10:00				0.7.00		
) anuary	10:00-11:00	-1. 52	1, 087, 63	-0. 228	-247.82		
1993	11:00-12:00	-1, 40	1, 108, 04	-0. 333	-369.14		
	12:00-13:00	-1. 29	1, 126. 78	-0. 337	-379.84	-224. 53	
	13:00-14:00	-1. 22	1, 138, 72	-0. 262	-298.66	<u></u>	
ĺ <u> </u>	14:00-15:00	-1, 18	1, 145, 55	-0, 252	-288. 59		
	15:00-16:00	-1. 20	1, 142, 14	0. 207	236. 88		
	16:00-17:00	-1. 25	1, 133, 60	0. 310	350, 86		
	17:00-18:00	-1. 34	1, 118, 25	0. 292	327. 07		
	18:00-19:00	-1. 41	1, 106. 33	0. 232	256. 56	301.50	
	19:00-20:00	-1. 39	1, 109, 74	0. 272	301, 86		
[	20:00-21:00	-1.38	1, 111, 44	0. 252	279.83		
	21:00-22:00	-1. 40	1, 108, 04	0. 264	292. 85		
	22:00-23:00	-1. 43	1, 102, 93	0. 257	283. 31		
	23:00-24:00	-1. 51	1, 089. 32	0. 329	357, 86		
10th	24:00-01:00	-1. 63	1, 068, 96	0. 369	393. 93	375. 51	
January	01:00-02:00	-1, 71	1, 055, 42	0. 366	386, 31		·
1993	02:00-03:00	-1. 85	1. 031. 85	0. 371	383. 04		
	03:00-04:00	-1. 97	1, 012, 74	0. 443	448. 62		
	04:00-05:00	-2.09	991. 99	0. 631	626. 16		
	05:00-06:00	-2. 32	954.43	0. 675	644. 20		
	06:00-07:00	-2. 36	947. 96	0. 565	535. 35	295. 77	
	07:00-08:00	-2. 42	938. 29	0. 441	413.59		
f	08:00-09:00	-2. 03	1, 001. 89	-0. 176	-176. 36		
ľ	09:00-10:00	-1. 78	1, 043. 61	-0. 257	-268. 31		İ
Ī	10:00-11:00						
ţ	11:00-12:00			•			
k	Average	-1. 63	1. 069. 82	0. 185	187. 06	187. 06	
Flowr	ate (m3/day)	_	-	-	16, 162, 405	16, 162, 405	

Table 9.5.3.1 (37)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Main river, Nonthaburi beside provincial office

Station No.: 5

Date   Time   Level   Sectional   Velocity   Measured   Average in	Remarks
9th         09:00-10:00   (m) Area (m2) (m/s) 6 hrs.	Remarks
9th 09:00-10:00	····
January 10:00-11:00 -0.05 2.703.54 -0.946 -2.556.69	
2, 7, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 7, 1, 2, 3, 3, 4, 3, 4, 3, 4, 3, 4, 3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	
1993 11:00-12:00 -0.04 2,707.38 -0.628 -1.700.74	
12:00-13:00 -0.11 2,684.85 -0.328 -880.71 -849.45	
13:00-14:00 -0.24 2.644.93 -0.230 -608.81	
- 14:00-15:00 -0.34 2.615.77 0.089 232.08	
15:00-16:00 -0.33 2,617.30 0.160 418.15	
16:00-17:00 -0.32 2,620.37 0.163 426.43	
17:00-18:00 -0. 25 2, 641. 86 0. 146 386. 15	
18:00-19:00 -0.26 2.638.79 0.152 400.91 631.49	
19:00-20:00 -0.34 2,614.23 0.208 544.16	
20:00-21:00 -0.39 2.598.89 0.263 684.64	
21:00-22:00 -0.61 2,531.45 0.532 1,346.63	
22:00-23:00 -0.90 2,442.66 0.647 1,580.76	
23:00-24:00 -1.06 2,393.73 0.741 1,773.59	
10th 24:00-01:00 -1, 21 2, 347, 94 0, 744 1, 747, 21 1, 710, 80	
January 01:00-02:00 -1.38 2,296.29 0.737 1,693.50	
1993 02:00-03:00 -1.48 2,266.03 0.759 1,719.60	
03:00-04:00 -1.60 2, 229.84 0.785 1, 750.12	
04:00-05:00 -1.60 2, 229.84 0.733 1, 635.41	
05:00-06:00 -1.10 2,380.46 0.220 524.86	
06:00-07:00 -0.62 2.528.38 -0.297 -751.01 -661.53	
07:00-08:00 -0.42 2.589.69 -0.591 -1.530.84	
08:00-09:00 -0.32 2.620.37 -0.709 -1.857.56	
09:00-10:00 -0.20 2.657.21 -0.749 -1,990.04	
10:00-11:00	
11:00-12:00	
Average -0.63 2,525.08 0.108 207.82 207.82	
Flow rate (m3/day) 17, 956, 048 17, 956, 048	· · · · · · · · · · · · · · · · · · ·

Table 9.5.3.1 (38)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Noi river, Chainal after diverting from main river

Station No.: 6

		Waler	Cross	Ачегаде	Flow Ra	te (m3/s)	
Date	Tize	Level	Sectional	Yelocity	Measured	Interpolated	Remarks
		(m)	Area (m2)	(m/s)			
9th	09:00-10:00						
January	10:00-11:00	; '				23. 68	
1993	11:00-12:00					22, 85	
	12:00-13:00	-6.07	62.74	0. 351	22. 02	22, 02	
	13:00-14:00					21. 28	
-	14:00-15:00					20. 54	
	15:00-16:00					19. 80	
	16:00-17:00		:			19, 06	
	17:00-18:00					18. 32	
	18:00-19:00	-6. 11	61. 27	0. 287	17. 58	17. 58	
	19:00-20:00					19. 33	
	20:00-21:00					21. 07	
	21:00-22:00					22, 81	
	22:00-23:00					24. 55	
	23:00-24:00					26. 29	· · · · · · · · · · · · · · · · · · ·
10th	24:00-01:00	-6. 09	62.00	0. 452	28. 03	28. 03	
lanuary	01:00-02:00.	·				27. 86	
1993	02:00-03:00	·	·			27. 69	
·	03:00-04:00					27. 52	
.	04:00-05:00					27. 35	
	05:00-06:00					27, 17	
	06:00-07:00	-0. 62	64. 60	0.418	27. 00	27. 00	
	07:00-08:00					26. 17	
	08:00-09:00				į	25. 34	
	09:00-10:00				<u>.</u>	24. 51	
	10:00-11:00						
	11:00-12:00						
	Average	-4.72	62. 66	0. 377	23. 66	23. 66	
Flow	ate (m3/day)	-	-		2, 044, 189	2, 044, 189	

Table 9.5.3.1 (39)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Lop Buri river, Lop Buri

Station No.: 7

		Water	Cross	Average	Flow Ra	ite (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remarks
		(m)	Area (m2)	(m/s)			
911	09:00-10:00			_			
January	10:00-11:00			·	•	0, 15	
1993	11:00-12:00					0. 14	
	12:00-13:00	-5. 78	2. 71	0.047	0. 13	0. 13	
	13:00-14:00					0. 13	
_ [	14:00-15:00					0. 14	
	15:00-16:00					0. 14	
	16:00-17:00					0. 15	
	17:00-18:00					0, 15	
	18:00-19:00	-5. 76	3. 21	0.049	0. 16	0. 16	
	19:00-20:00					0.13	
	20:00-21:00					0. 10	
	21:00-22:00					0. 08	
	22:00-23:00					0. 05	
	23:00-24:00	· #*****				0. 03	
10th	24:00-01:00	-5.76	3. 21	0. 000	0.00	0. 00	
January	01:00-02:00					0. 03	
1993	02:00-03:00					0. 07	
	03:00-04:00					0. 10	.
	04:00-05:00					0. 14	
	05:00-06:00					0. 17	
	06:00-07:00	-5. 71	4. 26	0.049	0. 21	0. 21	
	07:00-08:00					0, 20	
	08:00-09:00					0. 18	
	09:00-10:00					0. 17	
	10:00-11:00						ļ
	11:00-12:00			, ]			<u></u>
	Average	-5. 75	3. 35	0.036	0. 12	0. 12	
Flow r	ate (m3/day)		-		10, 654	10, 654	

Table 9.5.3.1 (40)
Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Lop Buri river, Ayutthaya, before joining with Pasak river

Station No. :

8

		coordinate s	larem in the	CIUS SCI	, i tohoi sait	· 11	
	··	Water	Cross	Ayerage	Flow Ra	te (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Average in	Remarks
		(m)	Vies (m5)	(m/s)		6 brs.	
9 t h	09:00-10:00	·					
January	10:00-11:00	-0. 99	188. 06	-0.115	-21. 54		. •
1993	11:00-12:00	-0. 87	194. 63	-0, 203	-39. 46	. :	
	12:00-13:00	-0.78	199. 59	-0. 227	-45. 22	-6. 37	
	13:00-14:00	-0.71	203. 46	-0. 112	-22.84	-	
	14:00-15:00	-0.70	204. 01	0. 125	25. 55		•
	15:00-16:00	-0. 73	202. 35	0.323	65. 29		
	16:00-17:00	-0, 81	197. 93	0. 267	52. 90		
	17:00-18:00	-0.86	195. 18	0. 282	55. 00		
	18:00-19:00	-0. 89	193, 53	0. 253	49. 05	38. 22	
İ	19:00-20:00	-0. 92	191.89	0. 125	23, 98		
	20:00-21:00	-0.92	191. 89	0.088	16. 83		
	21:00-22:00	-0.93	191. 34	0. 165	31. 56		
	22:00-23:00	-0.99	188.06	0. 231	43. 43		
	23:00-24:00	-1, 07	183. 71	0. 198	36, 36		
10th	24:00-01:00	-1. 17	178. 31	0. 221	39. 40	46, 24	:
January	01:00-02:00	-1. 28	172, 42	0.322	55. 45		
1993	02:00-03:00	-1, 39	166. 57	0. 294	48. 96		
. [	03:00-04:00	-1. 40	166.04	0. 324	53. 84		
	04:00-05:00	-1. 61	155. 04	0.349	54. 15		
	05:00-06:00	-1, 73	148. 89	0.390	58. 02		
	06:00-07:00	1.82	144. 35	0.368	53. 10	17. 65	
	07:00-08:00	-1. 84	143. 35	0. 221	31. 66		
	08:00-09:00	-1. 50	160.77	-0.403	-64. 81		
	09:00-10:00	-1. 33	169. 75	-0.154	-26. 22		
	10:00-11:00						
	11:00-12:00						
	Average	-1, 14	180. 46	0. 139	23. 93	23, 93	
Flow	ate (m3/day)	5 5 <u>-</u>		-	2, 067, 975	2, 067, 975	

#### Table 9.5.3.1 (41)

## Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Pasak river, Ayulthaya, before joining with Lop Buri river

Station No. :

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Water level is measured from point (0,0) of the

coordinate system in the cross sectional survey)

[]		Water	Cross	Average		le (m3/s)	
Date	Time	Level	Sectional :	Velocity	Measured	Average in	Remarks
Date	11000	(m)	Area (m2)	(m/s)	Meadorea	6 hrs.	Hemetar
9th	09:00-10:00	/m/	NICO (ML)	(111/3)		V III S.	
[· }	10:00-11:00	-3. 03	336. 53	-0.343	-115. 32	<u> </u>	
1000		-2, 93	345. 67	-0. 578	-199, 73		÷
1993	11:00-12:00			-0. 310	-110. 19	-112, 54	
	12:00-13:00	-2. 82	355, 77 364, 06	-0. 380	-138, 41	116, 04	
	13:00-14:00	-2. 73		-0. 377	-138. 06		
	14:00-15:00	-2.71	365. 91	0. 073	26. 48		
	15:00-16:00	-2. 74	363. 14		65. 86		
-	16:00-17:00	-2.80	357. 61	0. 184			
	17:00-18:00	-2. 85	353. 01	0. 302 0. 359	106. 60 125. 37	81. 61	
	18:00-19:00	-2, 89	349. 34			01. 01	
	19:00-20:00	-2. 94	344. 76	0. 314	108. 38		
	20:00-21:00	-2. 93	345, 67	0. 118	40. 77		
	21:00-22:00	-2. 93	345. 67	0. 123	42, 68		
	22:00-23:00	-2. 97	342.01	0. 2,49	85. 28		
40.1	23:00-24:00	-3. 04	335. 79	0. 325	109. 17	190 07	
10th	24:00-01:00	-3. 13	327. 42	0. 451	147. 77	138, 07	
lanuary	01:00-02:00	-3. 25	316. 54	0. 460	145. 75		
1993	02:00-03:00	-3. 36	306. 62	0. 543	166, 34		
	03:00-04:00	-3. 47	296. 74	0. 587	174. 10		
	04:00-05:00	3, 56	288. 70	0. 620	179. 14		
	05:00-06:00	-3. 68	278.06	0. 646	179. 55	20.14	
	06:00-07:00	-3. 79	268. 40	0. 637	170, 99	60. 41	-
	07:00-08:00	-3, 86	262, 31	0. 365	95. 82		
	08:00-09:00	-3, 55	289.60	-0. 415	-120. 16		-
	09:00-10:00	-3. 29	312. 92	-0. 457	-142, 85		
	10:00-11:00						
<u> </u>	11:00-12:00						
	Áverage	-3.14	327. 18	0. 146	41. 89	41. 89	
Flow	rate (m3/day)	-	-	-	3, 619, 236	3, 619, 236	:

# Table 9.5.3.1 (42) Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Noi river, Bang Sai, before joining with main river

Station No.: 10

		- Water	Cross	Average	· · · · · · · · · · · · · · · · · · ·	ite (m3/s)	
Date	Time	Level	Sectional	Yelocity		Average in	Remarks
		(m)	Area (m2)	(m/s)		6 hrs.	X C (II G ) II G
9th	09:00-10:00	(10)	11100 (mu)	(, 07		0 110,	
January		-1, 99	619. 18	-0. 272	-168. 55		
1993	11:00-12:00	-1, 90	634. 53	-0. 251	-159. 18		
1000	12:00-13:00	-1. 77	656. 93	-0. 239	-156. 74	-132, 76	
	13:00-14:00	-1. 66	676.10	-0. 237	-160.06	100, 10	
ŀ	14:00-15:00	-1. 61	684. 88	-0. 160	-109. 64		
	15:00-16:00	-1. 60	686, 64	-0.062	-42.40		•
	16:00-17:00	-1. 65	677. 85	0, 186	126. 19		
	17:00-18:00	-1. 72	665. 62	0, 331	220. 48		
	18:00-19:00	-1. 77	656. 93	0.364	238. 82	166. 95	
	19:00-20:00	-1. 79	653. 46	0. 276	180. 37		
	20:00-21:00	-1. 81	<b>650</b> . 01	0. 244	158. 77		
	21:00-22:00	-1.80	651. 73	0. 118	77. 08		
	22:00-23:00	-1. 82	648. 28	0. 119	76. 97		•
	23:00-24:00	-1. 87	639.67	0. 356	227. 88		
10th	24:00-01:00	-1. 98	620. 88	0.441	273. 76	251. 49	
January	01:00-02:00	-2. 10	600. 60	0. 505	303. 17		
1993	02:00-03:00	-2. 22	580. 72	0. 572	332, 19		
	03:00-04:00	-2. 35	559. 96	0. 527	294.94		
	04:00-05:00	-2, 50	536. 94	0. 542	291. 27		
	05:00-06:00	-2. 63	517, 58	0.411	212.67		
	06:00-07:00	-2. 75	500.19	0.481	240.66	182. 02	
	07:00-08:00	-2. 84	487. 45	0. 618	301. 08		
	08:00-09:00	-2. 82	490. 26	0. 313	153, 69		
	09:00-10:00	-2. 45	544. 53	-0. 197	-107. 23		
	10:00-11:00						
	11:00-12:00						
	Average	-2, 06	610.04	0. 208	116, 93	116. 93	
Flowr	ate (m3/day)	-	-		0, 102, 321	10, 102, 321	

Table 9.5.3.1 (43)

Location : Drainage Channel, Ang Thong

Station No.: 1.1

,		Water	Cross	Average	Flow R	ate (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remarks
		(m)	Area (m2)	(m/s)			
9 t h	09:00-10:00				-		
anuary	10:00-11:00					0. 43	
1993	11:00-12:00					0.50	
	12:00-13:00	-2. 07	6. 23	0.090	0.56	0. 56	
	13:00-14:00					0. 52	
-	14:00-15:00					0. 47	
	15:00-16:00					0. 43	
	16:00-17:00					0.39	
	17:00-18:00		::			0. 34	
	18:00-19:00	-2. 09	5. 95	0.050	0.30	0. 30	
	19:00-20:00					0. 29	
	20:00-21:00	·				0. 28	•
į	21:00-22:00					0. 27	•
-	22:00-23:00					0. 26	
	23:00-24:00					0. 25	
10th	24:00-01:00	-2.06	6. 37	0. 037	0. 24	0. 24	
anuary	01:00-02:00					0. 23	
1993	02:00-03:00					0. 22	
.	03:00-04:00		:			0. 21	
	04:00-05:00		:			0. 20	
	05:00-06:00					0. 19	
	06:00-07:00	-2.08	6. 09	0.029	0. 18	0. 18	
	07:00-08:00					0. 24	
	08:00-09:00					0. 30	
	09:00-10:00					0. 37	1
	10:00-11:00						
	11:00-12:00						***
	Average	-2. 08	6. 16	0.052	0.32	0.32	
Flow r	ate (m3/day)	-	-	-	27, 424	27, 424	

Table 9.5.3.1 (44)

Recult of the Monourement in Chap Physics Piper and

Location : Drainage Channel, Ayutthaya connecting main river and Noi river

Station No.: 12

		Water	Cross	Average	Flow Ra	ste (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remarks:
	٠.	(m)	Area (m2)	(m/s)			
9th	09:00-10:00						
January	10:00-11:00					-2, 72	
1993	11:00-12:00					-10.93	
	12:00-13:00	-0. 42	121, 13	-0. 158	-19, 14	-19. 14	
	13:00-14:00					-11.88	
-	14:00-15:00					-4. 61	
	15:00-16:00					2. 65	
	16:00-17:00					9. 91	
	17:00-18:00					17. 17	
	18:00-19:00	-0.50	118.04	0. 207	24. 43	24. 43	
	19:00-20:00					24. 41	
	20:00-21:00					24. 38	
	21:00-22:00					24. 35	
	22:00-23:00					24. 33	
	23:00-24:00					24. 30	
10th	24:00-01:00	-0. 52	117. 27	0. 207	24. 28	24, 28	
lanuary	01:00-02:00	·				25. 25	
1993	02:00-03:00					26. 22	
	03:00-04:00				: 	27. 19	
	04:00-05:00					28. 17	·
	05:00-06:00					29. 14	
	06:00-07:00	-1. 27	91. 25	0.330	30. 11	30. 11	
	07:00-08:00					21, 90	•
	08:00-09:00					13. 70	
	09:00-10:00					5. 49	·
	10:00-11:00						
	11:00-12:00						- 1
	Average	-0. 68	111. 92	0. 147	14. 92	14. 92	
Flow	ate (m3/day)		-	<u>-</u>	1, 289, 155	1, 289, 155	

Table 9.5.3.1 (45)

Location : Drainage Channel, Apulthaya, flowing to Pasak river

Station No.: 13

	**************************************	Waler	Cross	Ачегаде		ite (m3/s)	
Date	Time	Level	Sectional		Measured	Interpolated	Remarks
		(m)	Area (m2)	(m/s)			
9th	09:00-10:00						
January	10:00-11:00					0. 16	
1993	11:00-12:00					0. 16	
	12:00-13:00	-3. 01	2. 65	0.062	0. 16	0. 16	
	13:00-14:00		٠.			0. 18	٠.
-	14:00-15:00					0. 19	, •
	15:00-16:00					0. 21	
	16:00-17:00					0. 22	
	17:00-18:00	:				0. 23	
	18:00-19:00	-3.08	2. 25	0. 110	0. 25	0. 25	
	19:00-20:00	-				0. 24	
	20:00-21:00					0. 24	
	21:00-22:00					0. 23	
	22:00-23:00			1	;	0. 23	
	23:00-24:00					0. 22	
10th	24:00-01:00	-3. 31	1. 08	0.199	0. 22	0. 22	
January	01:00-02:00		<u> </u>		·	0. 20	
1993	02:00-03:00					0. 19	
	03:00-04:00					0.18	
	04:00-05:00					0. 17	
	05:00-06:00	·				0. 16	ļ
	06:00-07:00	-3. 31	1. 08	0.140	0. 15	0. 15	
	07:00-08:00					0. 15	•
].	08:00-09:00					0. 16	
	09:00-10:00					0. 16	
	10:00-11:00	·					
	11:00-12:00						
	Average	-3. 18	1. 77	0.128	0. 19	0. 19	
Flow r	ate (m3/day)	-		<del>-</del> -	16. 829	16, 829	

## Table 9.5.3.1 (46) Result of the Measurement in Chao Phraya River and Its Tributaries

Location : Drainage Channel, Pathum Thani, Ilowing to main river

Station No.: 14

		Water	Cross	Average	Flow Ra	ite (m3/s)	
Date	Time	Level	Sectional	Yelocity	Measured	Interpolated	Remarks
		(m)	Area (m2)	(m/s)			
91h	09:00-10:00						
January	10:00-11:00		,			0.00	
1993	11:00-12:00					0.00	
	12:00-13:00	-0.93	20. 76	0. 000	0.00	0.00	
·.	13:00-14:00					0. 00	
	14:00-15:00					0.00	
	15:00-16:00		٠.			0.00	
	16:00-17:00					0.00	
	17:00-18:00					0. 00	
	18:00-19:00	-1. 18	15. 75	0.000	0.00	0.00	
	19:00-20:00					0.00	
	20:00-21:00			-		0.00	
	21:00-22:00					0.00	
	22:00-23:00		·			0.00	
	23:00-24:00					0. 00	
10th	24:00-01:00	-1. 72	6. 70	0, 000	0.00	0.00	
] anuary	01:00-02:00					0.00	* +
1993	02:00-03:00					0. 00	
	03:00-04:00					0.00	
	04:00-05:00					0. 00	
	05:00-06:00					0. 00	
	06:00-07:00	-2. 04	3. 12	0. 000	0.00	0. 00	
	07:00-08:00					0, 00	
	08:00-09:00					0. 00	
_	09:00-10:00					0. 00	
	10:00-11:00						
	11:00-12:00						
	Average	-1. 47	11. 58	0.000	0.00	0. 00	
Flow r	ate (m3/day)		-		0	0	

Table 9.5.3.1 (47)

location : Drainage Channel, Monthaburi, flowing to main river

Station No.: 15

	1 -	Water	Cross	Average	Flow Ra	ite (m3/s)	
Date	Time	Level	Sectional	Velocity	Measured	Interpolated	Remarks
		(m)	Area (m2)	(m/s)			·
9th	09:00-10:00			·			
January	10:00-11:00					0. 36	
1993	11:00-12:00					0. 57	
	12:00-13:00 .	-1. 93	3. 28	0. 239	0.78	0. 78	
	13:00-14:00					0. 68	:
-	14:00-15:00					0. 58	
	15:00-16:00					0. 48	
	16:00-17:00			·		0.38	
	17:00-18:00					0, 28	
	18:00-19:00	-2.00	3. 11	0.059	0.18	0.18	
	19:00-20:00					0.18	
	20:00-21:00					0. 17	
	21:00-22:00					0. 17	
	22:00-23:00					0. 16	
	23:00-24:00					0.16	
10th	24:00-01:00	-3.00	0. 71	0. 215	0. 15	0. 15	
anuary	01:00-02:00			. [		0. 05	
1993	02:00-03:00					-0.06	
· .	03:00-04:00					-0. 16	
	04:00-05:00					-0. 27	
	05:00-06:00					-0. 37	
	06:00-07:00	-2. 24	2. 54	-0. 187	-0.47	-0.47	İ
	07:00-08:00					-0. 26	
	08:00-09:00					-0. 05	
	09:00-10:00					0. 15	ļ
	10:00-11:00	· .					İ
	11:00-12:00	-					
	Average	-2, 29	2. 41	0.082	0.16	0.16	}
Flow	ate (m3/day)	-			13, 976	13, 976	