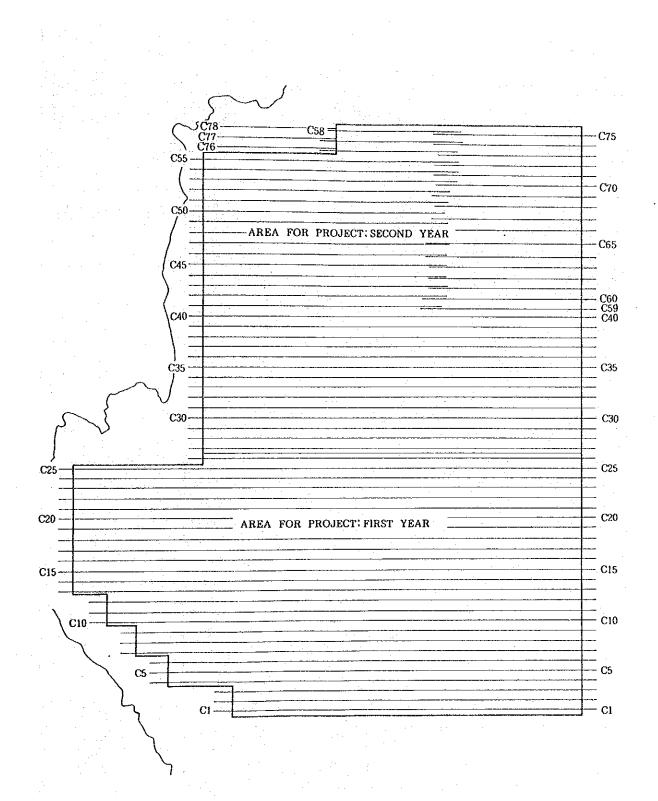
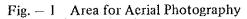


CONTENTS

Fig. – 1	Area for Aerial Photography(1)
Fig. — 2	Information on Topographic Mapping(2)
Fig. – 3	Data used in preparing the Aerial Photo Stand Volume Table
Fig. – 4	Soil Map
Fig. – 5	Land Classification Map(9)
Fig. – 6	Land Use Classification Map (13)
Fig. – 7	Map of Forest Management Plan(15)
Table – 1	Results of Aerial Photography (19)
Table – 2	Block Adjustment for Aerial Triangulation
Table – 3	Data used in preparing the Aerial Photo Stand Volume Table
Table – 4	Meteorological Data of the Srinagarind Dam Met. Office
Table – 5	Population of the Kanchanaburi Province and Survey Area
Table – 6	Results of Sample Plot Survey by Logging Block and Forest Type
Table – 7	Results of the Soil Profile Examination (32)
Table – 8	Analysis of the Texture and Chemical Property of Typical Soil Type

,





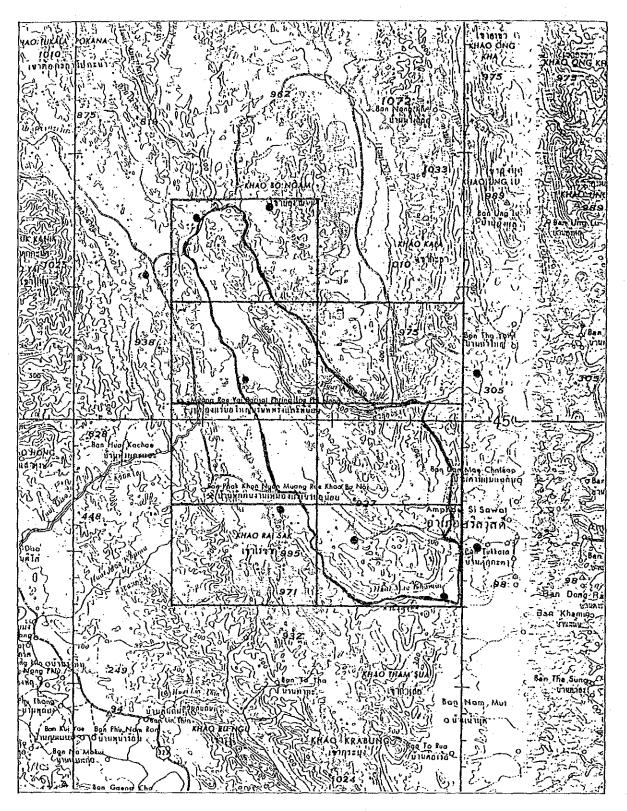
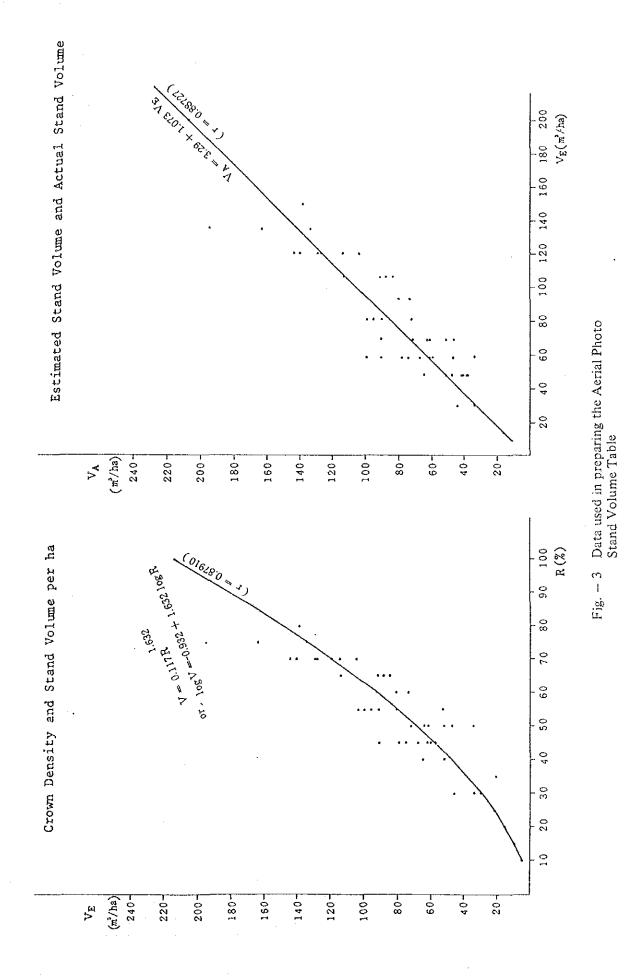
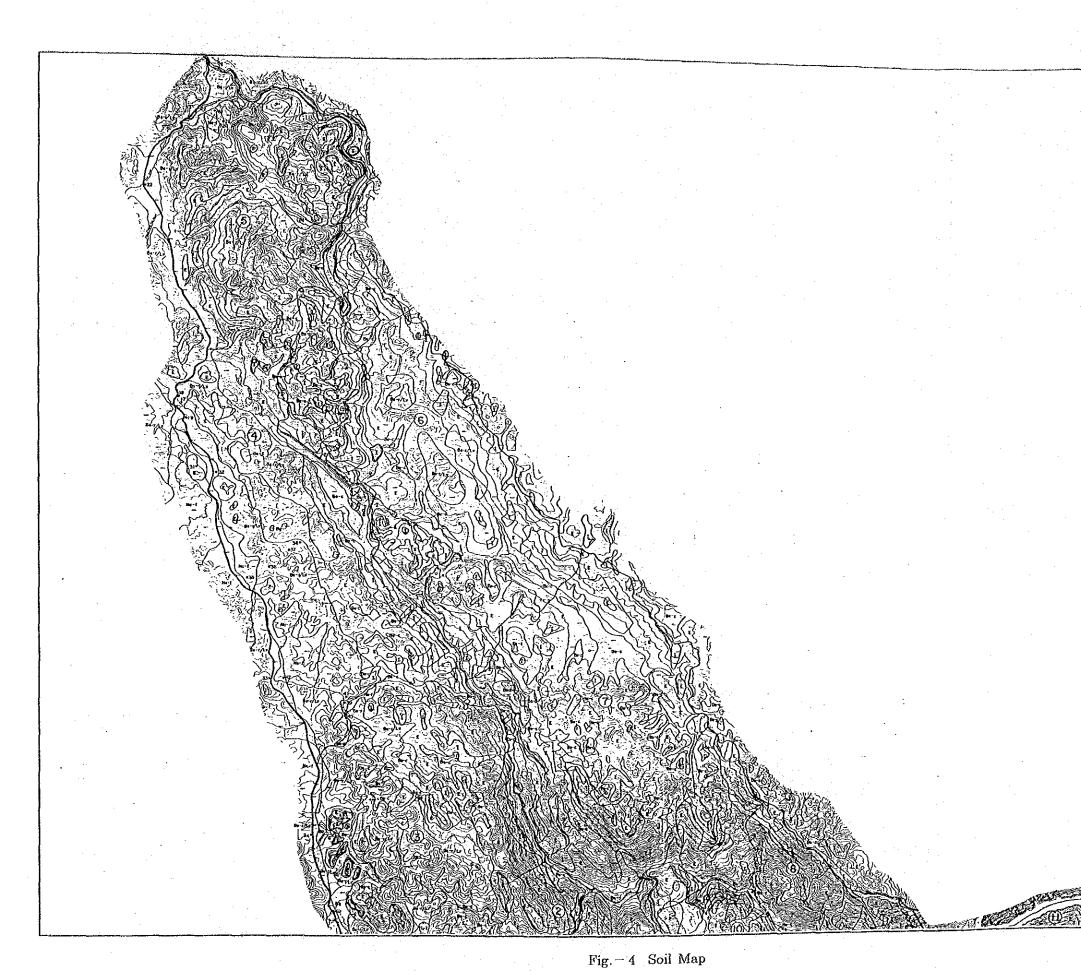


 Fig. - 2 Information on Topographic Mapping Mapping Area Index to Adjoining Sheet Air-photo Signal 1: 250,000



(3)





LEGEND					
Symbol	Sof Type				
Ne-s	Eutric Nitosofs-soft				
Ne-1	Eutric Netosola Ara				
Ba-c	Eulsic Cambrools-colluvial				
8:-1	Eutric Cambool's residual				
Bg	Głayńc Cambisols				
L۲	Yartac Luxiacia				
£	Rendzinas				
1	Lithosofs .				
6	Gleyada				
•1	Profile number				

R.

(5) - (6)

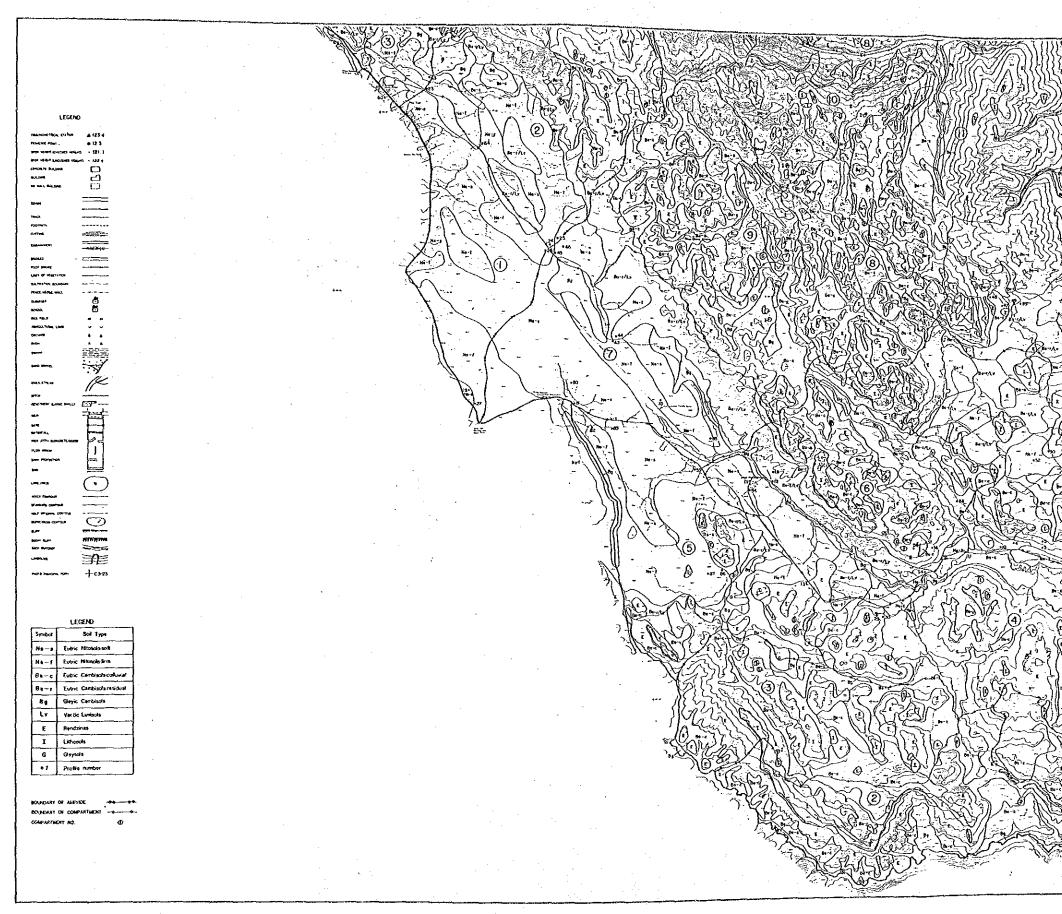


Fig. - 4



(7) - (8)

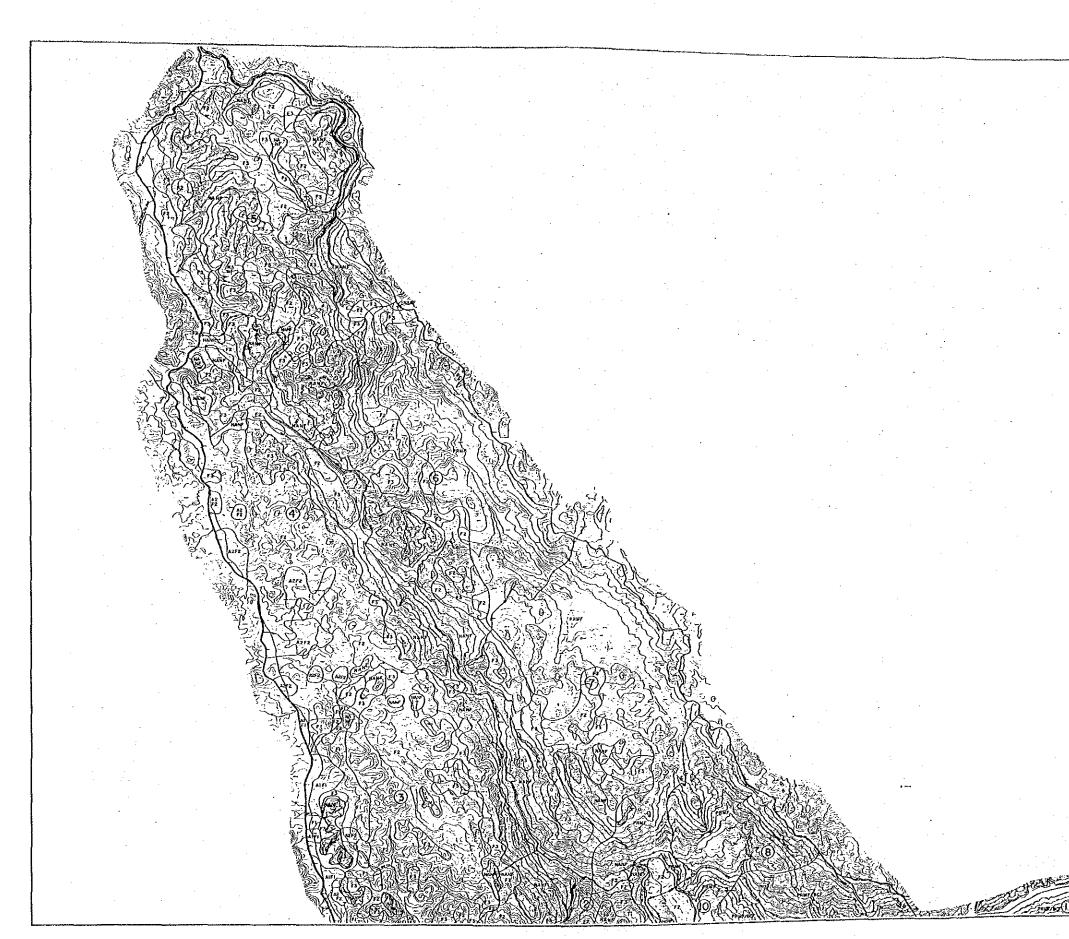
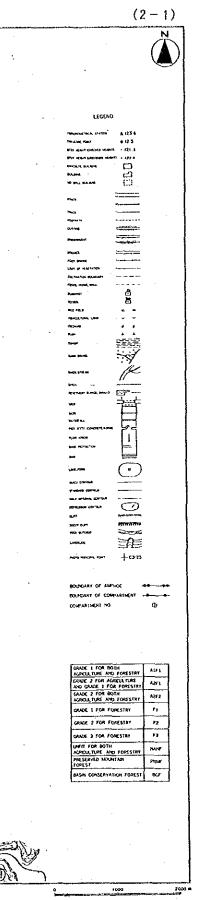
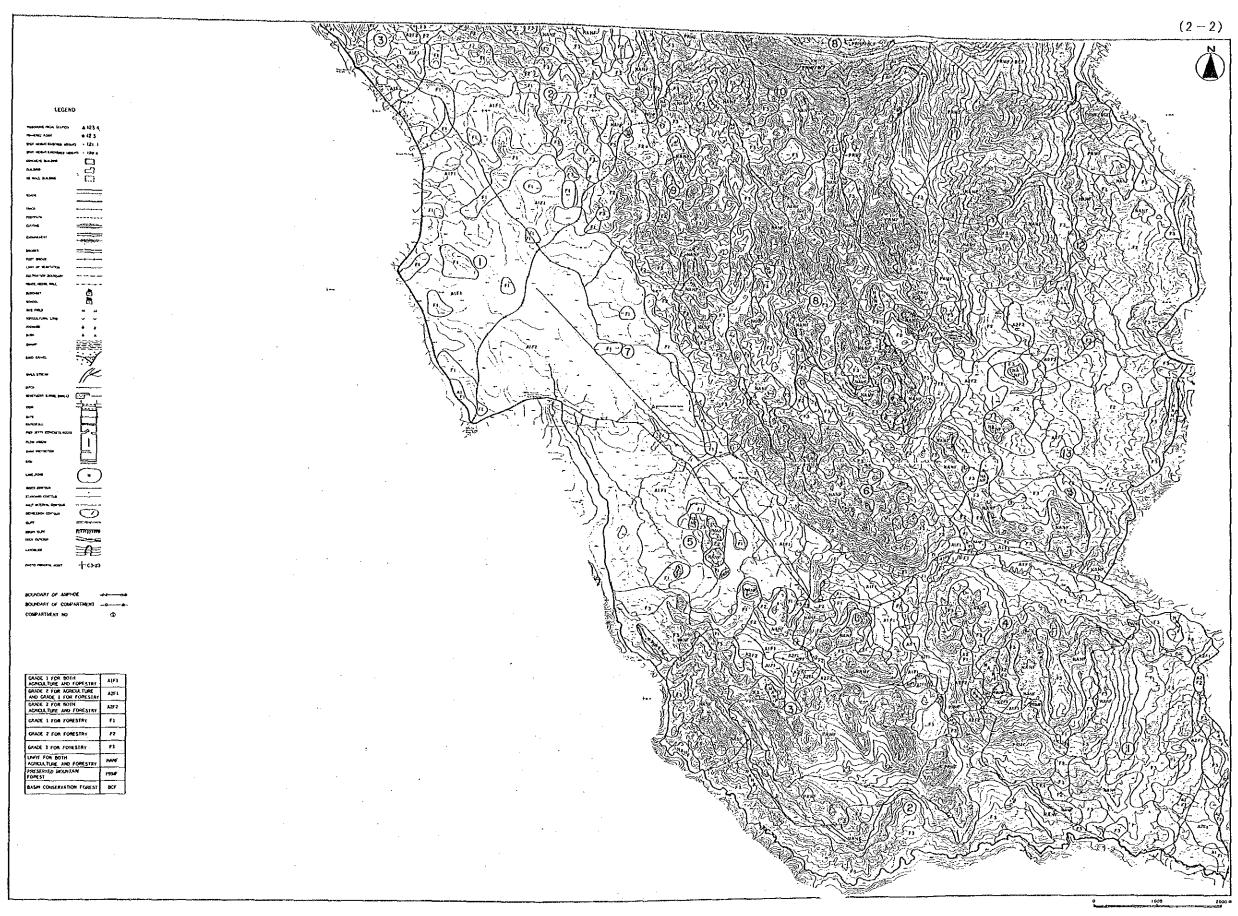


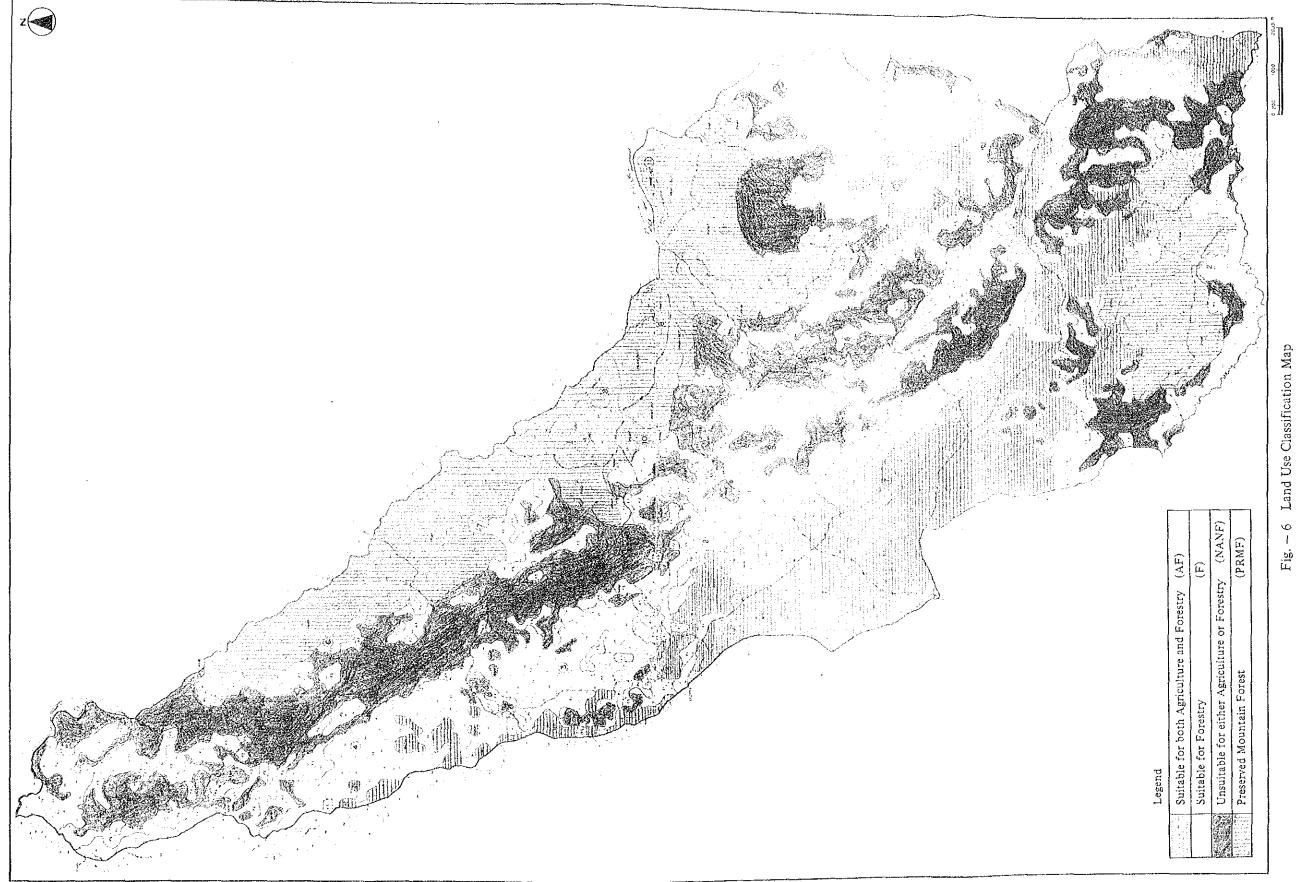
Fig. - 5 Land Classification Map



(9)-(10)



(11)-(12)



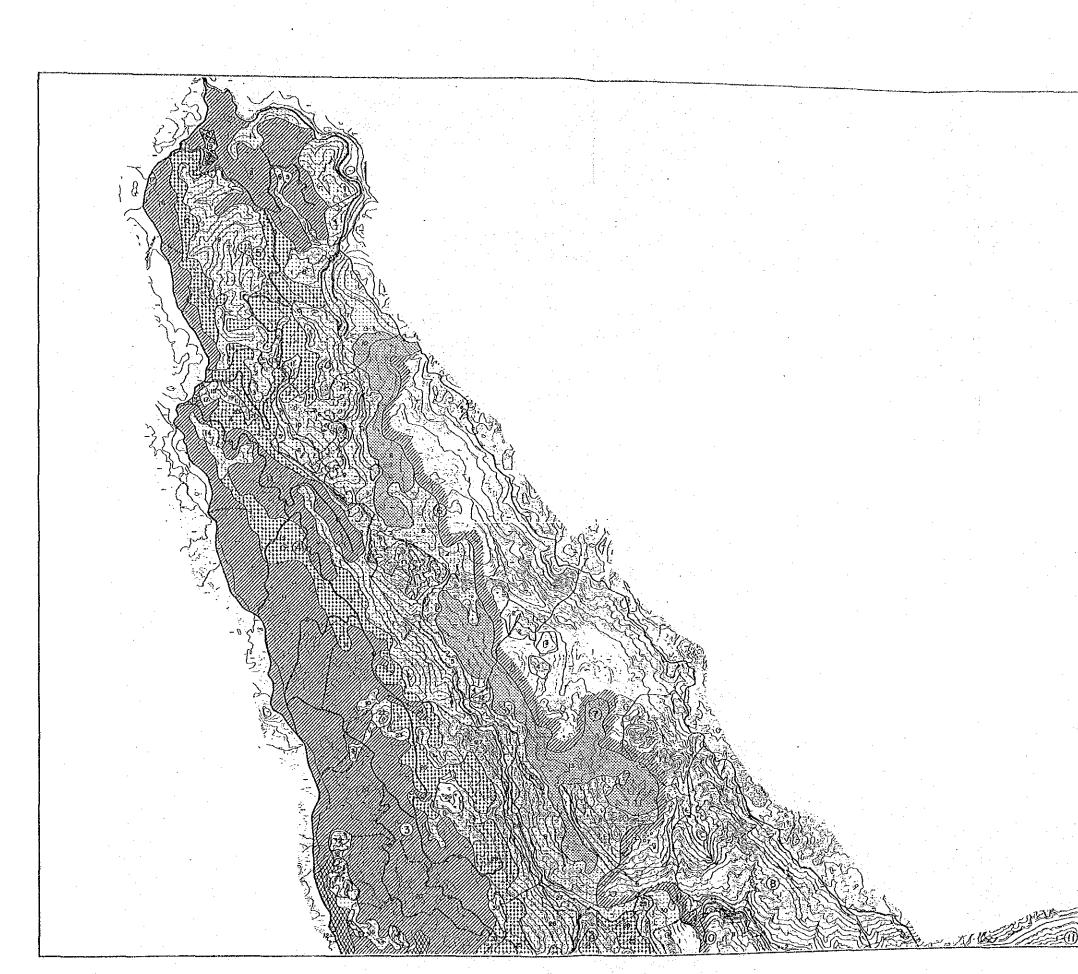


Fig. - 7 Map of Forest Management Plan

ſ	2	 1	Y	
ί.	2	 ſ	1	



(15)-(16)

1.

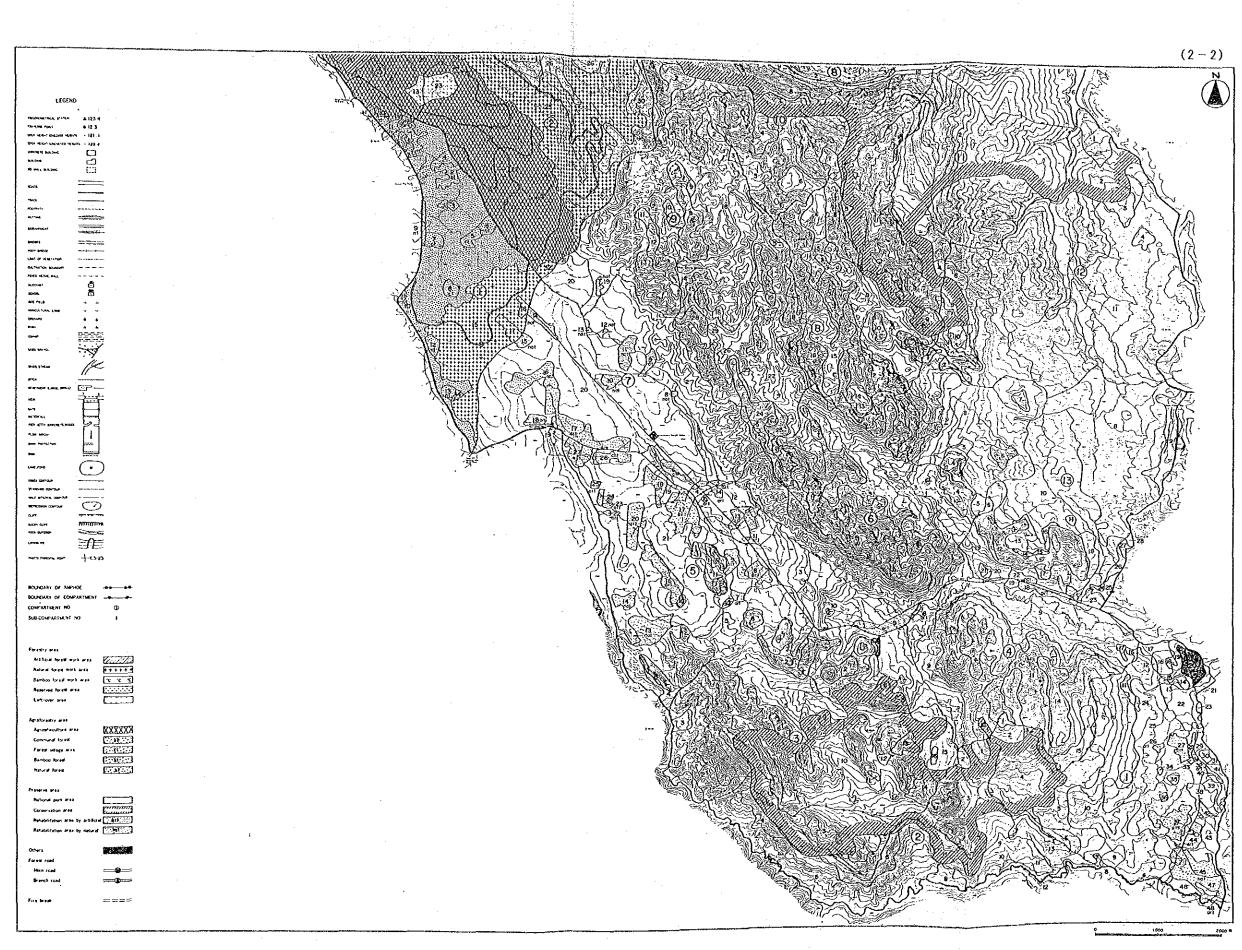


Fig. - 7

(17) -- (18)

Table - 1 Results of Aerial Photography

(1985/86)

(3-1)

Course Na	Photo Na	Na of Photographs	Roll Na	Date of Aerial Photography
C 1	1 - 52	52	4	Mar. 3 1986
C 2 A	1 - 42	42	4	Mar. 3 1986
C 2 B	. 1 15	15	4	Mar. 3 1986
C 3	1 - 52	52	4	Mar. 3 1986
C 4	1 - 64	64	4	Mar. 3 1986
C 5	1 - 62	62	. 3	Feb. 14 1986
C 6 A	1 - 37	37	9	Mar. 13 1986
C 6 B	1 - 34	34	5	Mar. 3 1986
C 7 A	1 - 49	49	9	Mar. 13 1986
С 7В	1 - 21	21	2	Feb. 12 1986
C 8	1 - 69	69	2	Feb. 12 1986
C 9	1 - 72	72	2	Feb. 12 1986
C 10 A	1 - 22	22	1	Feb. 9 1986
C 10 R	1 - 22	22	11	Mar. 18 1986
C 10 D	1 - 35	35	11	Mar. 19 1986
C 11	1 - 73	73	1	Feb. 9 1986
C 12 A	1 - 48	48	1	Feb. 9 1986
C 12 A C 12 B	1 - 16	16	11	Mar. 19 1986
C 12 D C 12 C	1 - 20	20	1	Feb. 9 1986
C 12 C	1 - 76	76	1	Feb. 9 1986
C 14 A	1 - 69	69	5	Mar. 4 1986
C 14 A	1 - 13	13	6	Mar. 4 1986
C 14 B C 15 A	1 - 44	44	10	Mar. 14 1986
C 15 A	1 - 36	36	5	Mar. 4 1986
C 16 A	1 - 45	45	10	Mar. 14 1986
C 16 A	1 - 36	36	5	Mar. 4 1986
С 16 В	1 - 78	78	6	Mar. 4 1986
C 18	1 - 81	81	6	Mar. 5 1986
C 18 C 19	1 - 80	80	6	Mar. 5 1986
C 20 A	1 - 22	22	7	Mar. 6 1986
C 20 R	1 - 50	50	10	Mar. 14 1986
C 20 B C 20 C	1 - 30 1 - 16	16	7	Mar. 6 1986
C 20 C C 21 A	1 - 21	21	7	Mar. 6 1986
	1 - 21 1 - 57	57	10	Mar. 14 1986
C 21 B	1 - 37 1 - 13	13	9	Mar. 13 1986
C 21 C	1	21	8	Mar. 7 1986
C 22 A	1 - 21 1 - 63	63	. 9	Mar. 13 1986
C 22 B	1 - 63 1 - 20	85 20	8	Mar. 7 1986
C 23 A		45	11	Mar. 15 1986
C 23 B	$1 - 45 \\ 1 - 14$	10	7	Mar. 6 1986
C 23 C	1 - 14 1 - 12	14	9	Mar. 13 1986
C 23 D	L.,	1,717	11	
Sub-	total	1,111	11	

· · · ·

.

(19)

Table -		1
---------	--	---

[1986/87]	
-----------	--

÷				ble - 1	18		
(3-2	 	· .					1986/87]
graphy	Photog	of Aerial	Date o	Roll Na	No of Photographs	Photo Na	Course Na
	1987	Jan. 20	i	11	81	1 - 81	C 24
	1987	Jan. 20		11 .	81	1 - 81	C 25
	1987	Jan. 20	ž	11	24	1 - 24	C 26 A
	1986	Dec. 13	. 1	1	40	1 - 40	C 26 B
	1987	Jan. 20	t.	11	30	1 - 30	C 27 A
	1986	Dec. 13	1	1	34	1 - 34	C 27 B
	1987	Jan. 20	-	11	50	1 - 50	C 28 A
	1986	Dec. 15		1	15	1 - 15	C 28 B
	1987	Jan. 31		13	8	1 - 8	C 29 A
	1987	Jan. 18		9	57	1 - 57	C 29 B
	1987	Jan. 18		9	63	1 - 63	C 30
	1987			9	63	1 - 63	C 31
	1987	Jan. 15		8	19	1 - 19	C 32 A
	1987	Feb. 5		14	33	1 33	C 32 B
	1987	Jan. 15		8	18	1 - 18	C 32 C
	1987	Jan. 15		. 8	40	1 - 40	C 33 A
	1987	Feb. 5		14	13	1 - 13	C 33 B
	1987	Jan. 15		8	16	1 - 16	C 33 C
-	1987	Jan. 15		8	40	1 - 40	C 34 A
	1987	Feb. 6		14	17	1 - 17	C 34 B
	1987	Jan. 15		8	29	1 - 12	C 34 C
	1987	Jan. 10		7	16	1 - 16	C 35 A
	1987	Jan, 31		13	11	1 11	C 35 B
	1987	Jan. 10		7.	23	1 - 23	C 35 C
	1987	Jan. 18		9	10	1 - 10	C 35 D
	1987	Jan. 15		8	13	1 - 13	C 35 E
	1987	Jan. 10		7	47	1 - 47	C 36 A
	1986	Dec. 15		1	17	1 - 17	C 36 B
	1987	Jan. 10		7	46	1 - 46	C 37 A
	1986	Dec. 15		1	17	1 - 17	C 37 B
	1987	Jan. 10		7	37	1 - 37	C 38 A
	1986	Dec. 15		1	26	1 - 25	C 38 B
	1987	Jan. 10		7	46	1 - 46	C 39 A
	1986	Dec. 15		1	16	1 - 16	C 39 B
	1987	Jan. 9		6	42	1 - 42	C 40 A
· .	1987	Jan. 14		8	20	1 - 20	C 40 B
·.	1987	Jan. 9		6	19	1 - 19	C 41 A
	1987	Feb. 12		15	11	1 - 11	C 41 B
	1987	Jan. 9		6	17	1 - 17	C 41 C
· ·	1987	Jan. 9		6	41	1 - 41	C 42
	1987	Jan. 9		6	41	1 - 41	C 43
	1987			6	41	1 - 41	C 44
	1987	Jan. 9 Jan. 9		6	44	1 - 41	C 45
	1987	Jan. 9 Jan. 22		0 12	15	1 - 15	C 46 A
	1986	Dec. 29		3	13	1 - 14	C 46 B

Table -1

[1986/87]

(3-3)

.

Г	Course No	Photo Na	Na of Photographs	Roll Na	Date of Aerial Photography
f	C 46 C	1 - 16	16	12	Jan. 24 1987
	C 47 A	1 - 14	14	12	Jan. 22 1987
	C 47 B	1 - 12	12	3	Dec. 29 1986
	C 47 C	1 - 18	18	13	Feb. 2 1987
	C 48 A	1 - 27	27	5	Jan. 9 1987
	C 48 B	1 - 10	10	13	Jan. 31 1987
	C 49 A	1 - 25	25	5	Jan. 9 1987
l	C 49 B	1 - 13	13	13	Jan. 31 1987
	C 50 A	1 - 13 1 - 17	13	4	Dec. 30 1986
Ì	C 50 B	1 - 20	20	13	Feb. 2 1987
	C 51 A	1 - 20 1 - 29	20	4	Dec. 30 1986
	C 51 B		2 3 9	12	Jan. 24 1987
	C 51 B C 52 A	1 - 9 1 - 11	9 11	12	Jan. 24 1987
	C 52 A C 52 B	$1 - 11 \\ 1 - 31$	31	12	Dec. 30 1986
			31 37	4	Dec. 30 1986
	C 53	1 - 37	37 16	2	Dec. 18 1986
	C 54 A	1 - 16			Feb. 2 1987
	C 54 B	1 - 25	25 17	13 7	Jan. 10 1987
1	C 55 A	1 - 17	9	2	Dec. 18 1986
	C 55 B	1 - 9		7	Jan. 10 1987
	C 55 C	1 - 15	15 18	2	Dec. 17 1986
	C 56	1 - 18	18	2	Dec. 17 1986
	C 57	1 - 19	19	2	Dec. 17 1986
	C 58	1 - 17	24	2	Dec. 26 1986
	C 59	1 - 24		3	Dec. 26 1986
	C 60	1 - 25	25	3	Dec. 26 1986
	C 61	1 - 23	23	3	Dec. 26 1986
	C 62	1 - 22	22	3	Dec. 26 1986
ļ	C 63	1 - 22	22		Jan. 22 1987
	C 64 A	1 - 9	9 19	12 3	Dec. 26 1986
	C 64 B	1 - 19	19 26		Jan. 19 1987
	C 65	1 - 26	20 27	10	Jan. 19 1987
	C 66	1 - 27	27 27	10	Jan. 19 1987
	C 67	1 - 27 1 - 97	21 27	10	Jan. 19 1987
l	C 68	1 - 27	27	10	Jan. 19 1987
	C 69	1 - 27	21 27	3	Dec. 29 1986
	C 70 A	1 - 27	21	2	Dec. 16 1986
	C 71	1 - 28 1 - 27	28 27	5	Jan. 4 1987
	C 72	1 - 27	8	13	Feb. 2 1987
	C 73 A	1 - 8	8 22	2	Dec. 16 1986
	C 73 B	1 - 22	22 27	2	Dec. 16 1986
	C 74	1 - 27	21	2	Dec. 16 1986
	C 75	1 - 26	20	12	Jan. 22 1987
	C 76	1 - 21		12	Jan. 22 1987
	C 77	1 - 21	21 19	12	Jan. 25 1987
	C 78	1 - 19	2,312	12	
		total		26	
	Total 10	1 Courses	4,029	40	

(21)

Table – 2 Block Adjustment for Aerial Tri	iangulation
---	-------------

NAME	X-coordinate X	Residual VX	Y-coordinate Y	Residual VY	Residual of distance VS	Elevation H	Residual VH
510100	1645581.63	0.47	48706.88	0.34	0.58	782.00	-0.33
973800						738.00	4.00
510200	1644755.72	-0.35	482037.73	-0.23	0.42	621.87	1.05
965400				······		654.00	0.76
972100						721.00	-2.30
971400		·····				714.00	2.28
976900			· ·	······································		769.00	-1.28
981900					· · · · · · · · · · · · · · · · · · ·	819.00	1.78
972200	······································					722.00	-2.13
967300		· · ·				673.00	1.81
610301	1640555.36	-0.02	477656.26	0.20	0.20	895.91	2.67
988300						883.00	2.85
972100	. <u></u>					721.00	0.19
976400						764.00	4.46
989800					· · ·	898.00	0.70
981900	······					819.00	2.36
989400						894.00	-0.31
985200	· · · ·	<u> </u>				852.00	-2.31
989800						898.00	-4.47
981800						818.00	-1.65
991800						918.00	2.08
981600	•.					816.00	- 1.81
989600						896.00	-0.83
977800		· · · · · · · · · · · · · · · · · · ·				778.00	-1.34
974200						742.00	-0.94
992400	· · · · ·					924.00	-4.75
510400	1632974.05	0.48	484357.71	-0.10	0.49	723.61	-2.61
510700	1635038.81	0.43	501004.12	0.15	0.46	279.87	-1.55
981500	-					815.00	4.58
978600						786.00	-1.21
981600						816.00	-1.46
974200						742.00	-1.17
985000						850.00	4.42
986700						867.00	-1.55
987300						873.00	3.22

(2-1)

Table – 2

(2-2)

.

NAME	X-coordinate Residual X VX	Y-coordinate Y	Residual VY	Residual of distance VS	Elevation H	Residual VH
985600			· ·		856,00	3.28
974500					745.00	0.19
995200	······································				952.00	-2.24
935400					354.00	-3,21
947800					478.00	1.00
900001	:				180.00	-4.89
900002					180.00	1.10
900003					180.00	1.07
900004	· · · · · · · · · · · · · · · · · · ·				180.00	1.20
870468	· · · · · · · · · · · · · · · · · · ·		~~~~~~~ <u>~</u>		704.68	2.39
871656					716.56	-1.14
875526	<u></u> :				755.26	1.17
874960					749.60	2.76
879246	· · · · · · · · · · · · · · · · · · ·				792.46	0.73
875783	· · · · · · · · · · · · · · · · · · ·				757.83	2.86
900005	······································				180.00	1.57
900006			······		180.00	1.18
510500	1624532.02 -0.69	487172.81	0.25	0.73	872.80	-0.02
510600	1622281.30 -0.71	492411.18	-0.13	0.72	825.39	0.93
876011					760.11	0.61
875927	· · · · · · · · · · · · · · · · · · ·				759.27	1.49
874704					747.04	2.85
861893					618.93	0.55
837581					375.81	-0.19
963300					633.00	0.34
510800	1621775.67 -0.31	502062.44	0.54	0.62	192.42	
866695					666.95	0.84
857159	· •				571.59	0.65
844475					444.75	-0.42
824454					244.54	3.05
823501				·	235.01	0.85
510900	1618114.97 0.71	498867.48	-0.71	1.00	260.24	0.52
981500					815.00	-3.90
992700					927,00	4,83
975800					758.00	-4.78
900008					180.00	3.81
900009			-1	1	180.00	-1.00

MAX. ERROR RS 1.00 RH -4.89

MEAN. ERROR RS 0.58 RH 1.94

Table - 3 Data used in preparing the Aerial Photo Stand Volume Table

V. – V.	4 A V E	-11	6-	0	2	17	-17	თ	- 19	ი 	-17	10	19	17	- 12	4	21	22	-10	33	62	31	25			
Vr (m/ha) Retimoted	volume	58	48	48	58	48	106	120	63	149	69	18	81	58	63	58	58	69	48	58	134	134	120		7910)	
V_{Λ} (m^{*}/ha)	volume	47	39	48	60	65	68	129	74	140	52	91	100	75	81	62	- 16	16	88	16	196	165	145		$\log R$ ($r = 0.87910$)	•
R (%)	density	45	40	40	45	40	65	70	60	80	50	55	55	45	60	45	45	20	40	45	75	75	70			¥/11.0
Plot	No.	24	25	26	2.7	28	29	30 .	31	32	33	34	35	36	37	38	add-3	1 4 1		<i>"</i> -8	/ -1	/ -2	1- "		108 V == V	 > . _
C N	0 KT	26	27	28	29	30	31	32	33	34	35	36	37	88	39	40	41	42	43	44	45	46	47			
VV.	7 V 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-7	-5	4	14	22	0	- 18	17	- 14 -	-21	- 22	2	10	35	4	21	8	÷	10	15	က	-15	ю I	9	88 1
V _s (m ^r /ha)	volume	48	69	48	30	81	16	39	48	106	106	69	69	58	69	30	120	106	134	120	81	69	120	120	48	81
V _A (m ¹ /ha)	volume	41	64	52	44	103	16		65	92	85	47	62	68	34	34	141	114	135	130	8 8	72	105	115	42	53
R (%)	density	40	50	40	30	55	20	35	40	65	65	50	50	45	50	30	10	65	75	20.	55	50	70	70	40	55
Plot	No.	1	2-1	22	в	4	5	9	7	ω	6	10	11	12	13	14	15	16	17-2	18-1	19	20-1	20-2	21	22	23
	.02		2	S	4	പ	9	7	ø	с, С	10	11	12	13	14	15	16	17	18	19	R	21	22	23	24	25

(24)

Table - 4 Meteorological Data of the Srinagarind Dam Met. Office

				•								(Unit :	°C)
Month Year	1	2	3	4	5	6	7	8	9	10	11	12	Annua mean
1981	2 3.0	26.5	2 8.3	2 9,0	2 8.0	2 6.5	2 7.0	2 6 3	2 6.6	26.2	24.4	2 1.6	2 6.1
1982	225	260	2 8.8	28.2	2 8.9	2 6.9	2 7.0	2 5.7	26.2	2 6.7	2 6.3	2 1.8	2 6.3
1983	2 3.0	2 5 5	2 8.9	31.6	30.3	2 8.4	2 8.6	27.4	2 7.0	2 6.5	2 3.4	2 2.6	2 6.9
1984	2 3.2	266	2 7.6	2 9.6	2 9.0	2 6.9	2 7.1	2 6.9	2 7.0	26.2	2 4.9	2 3.8	2 6 6
1985	24.6	2 7.0	2 7.9	2 9.9	286	2 6.5	2 6.4	2 6.9	26.6	2 6.1	2 5.4	2 3.0	2 6.6
Monthly mean	2 3.3	2 6.3	2 8.3	2 9.7	2 9.0	2 7.0	2 7.2	2 6.6	2 6.7	2 6.3	2 4.9	22.6	2 6.5

1. Mean monthly air temperature

2. Minimum monthly air temperature

(Unit:°C)

Month Yeat	1	2	3	4	5	6	7	8	9	10	1.1	12	Annual mean
1981	16.9	21.0	2 2.1	2 3.3	24.0	2 3.4	2 3.5	2 3.4	2 2.9	2 2.7	21.3	17.2	21.8
1982	1 7.2	2 0.4	2 2.8	2 3.2	24.5	2 3.5	2 3.4	2 2.4	225	2 1.9	21.9	1 6.1	21.7
1983	17.6	19.4	22.5	2 5.7	2 5.1	24.5	24.8	2 3.8	2 3.0	2 2.8	1 9.3	17.9	2 2.2
1984	1 8.1	2 1.6	2 1.8	24.6	24.3	2 3.4	2 3.2	2 3.8	2 3.0	2 2.2	2 0.5	18.7	2 2.1
1985	19.4	21.6	2 1.1	2 4.8	2 4.0	2 3.4	2 3.0	24.0	2 3.1	2 2.6	2 1.4	17.5	2 2.2
Monthly mean	1 7.8	2 0.8	2 2.1	24.3	244	2 3.6	2 3.6	23.5	22.9	224	2 0.9	17.5	2 2.0

3. Maximum monthly air temperature

(Unit : ℃)

		• •										(Unit :	°C)
Month	1	2	3	4	5	6	7	8	9	10	11	12	Annual mean
1981	2 9.1	3 2.0	34.5	3 4.6	32.0	2 9.6	3 0.4	2 9.1	3 0.3	2 9.6	27.4	26.0	3 0.4
1982	2 7.8	315	34.8	3 3,1	3 3.2	3 0.2	3 0.5	28.9	2 9.8	3 1.4	30.6	27.5	3 0.8
1983	28.3	316	3 5.3	3 7.5	3 5.4	32.2	3 2.3	31.0	3 0.9	3 0.1	2 7.4	2 7. 3	3 1.6
1984	28.3	3 1.5	3 3.4	34.6	3 3.6	3 0.4	3 0.9	2 9.9	3 1.0	3 0.1	2 9.2	2 8.9	31.0
1985	29.8	3 2.4	34.6	3 4.9	331	2 9.6	2 9.8	2 9.7	3 0.1	2 9.6	2 9.3	2 8.5	31.0
Monthly mean	28.7	31.8	34.5	3 4,9	3 3.5	3 0.4	3 9.8	2 9.7	3 0.4	3 0.2	2 8.8	2 7.6	3 1.0

(2-1)

Table -4

Month		1	1	r				1	Т	T	<u> </u>	r	T
Year	1	2	3	4	5	6	7	8	9	10	11	1 2	Total
1981	0	40.7	55.6	120.8	212.4	161.1	91.3	104.4	293.9	83.7	234.4	40.3	1.438.6
	(0)	(7)	(4)	(7)	(20)	(22)	(19)	(23)	(21)	(12)	(15)	(1)	(151)
1982	0	0.6	23.0	141.1	81.6	117.4	1141	1371	10 9.3	119.6	10,3	22.4	876.5
	(0)	(1)	(3)	(9)	(14)	(21)	(19)	(23)	(17)	(15)	(2)	(1)	(125)
1983	1.5	0	0	155	70.5	378	41.0	98.7	176J	286.0	42.8	2.3	772.2
	(2)	(0)	(0)	(1)	(9)	(11)	(13)	(23)	(23)	(28)	(7)	(3)	(120)
1984	0,3	21.7	7 0.4	85.6	3 3.2	117.8	72.5	21.0	179 <u>1</u>	221.5	24.0	0	847.1
	(1)	(5)	(6)	(12)	(10)	(21)	(15)	(11)	(20)	(17)	(5)	(0)	(123)
1985	175 (1)	0(0)	68.7 (3)	691 (11)	90.5 (15)	105.6 (23)	94.6 (23)	55.3 (20)	24 7.6 (21)	2251 (21)	82.3 (8)	0 (0)	1,056.3 (146)
Mean	3 <u>9</u> (1)	12.6 (3)	4 3.5 (3)	86.4 (8)	97.6 (14)	107.9 (20)	82.7 (18)	83.3 (20)	201.2 (20)	187.2 (19)	78.8 (7)	1 3.0	998. (133)

4. Monthly rainfall and rainy days

5. Maximum daily rainfall of each month

[Unit : mm, (): date]

Month Yeu	1	2	3	4	5	6	7	8	9	1 0	11	12	Annual maximum
1981	0 (0)	3.8 (27)	36.4 (11)	53.0 (1)	78.7 (26)	274 (18)	26.1 (23)	12.6 (6)	6 4.5 (20)	208 (17)	732 (7)	0.3 (10)	78.7
1982	0 (0)	0.6 (17)	14.5 (30)	55.4 (14)	142 (30)	45.7 (3)	22.3 (8)	20.2 (18)	298 (17)	28.5 (4)	9.5 (30)	22.4 (2)	55.4
1983	11 (2)	0 (0)	0 (0)	155 (29)	124 (7)	10.0 (28)	13.1 (10)	214 (21)	37.4 (28)	1349 (18)	183 (4)	2.0 (31)	134.9
1984	0.3 (23)	82 (26)	349 (23)	4 5.5 (22)	127 (9)	266 (27)	19.7 (12)	70 (2)	51.6 (22)	582 (3)	111 (10)	0 (0)	58.2
1985	175 (25)	0 (0)	47.6 (31)	21.7 (29)	163 (25)	143 (10)	20.3 (25)	8.6 (27)	475 (14)	4 3.4 (12)	442 (13)	0 (0)	47.6
Monthly maximum	175	82	47.6	55.4	78.7	45.7	26.1	21.4	645	134.9	732	224	134.9

6. Mean monthly humidity

. .

·		onthly	humidi	ty								(1	Unit : %
Month Year	1	2	3	4	5	6	7	8	9	10	11	12	Annual mean
1981	_		_		-		90	-	93	94	94	87	
1982	94	86	87	87	88	90	89	88	90	96	93	91	90
1983	88	87	85	82	90	91	88	91	9.6	96	95	93	90
1984	92	88	91	86	87	91	90	84	94	94	94	91	90
1985	91	94	93	92	95	95	96	95	95	96	96	97	 95
Monthly mean	91	89	89	87	90	92	91	90	94	96	95	93	91

		(2-1)		Increase	2.294	<u>948</u> 0.9%	<u>975</u> 1.0%	1.259 1.0%	876 1.2%	1.5%	<u>507</u> 1.8%	238 1.9%	200 1.58	0.8 %	1.8 % 1.8%	9.099 1.5%
			, ,	nean	<u>482</u> 1.5	185 02	258 0.3	326 03	<u>296</u> 0.4	<u>154</u> 03	186	380.0	51 0.4	220	120 0.3	2,1 1 8 0.4
	• .		4	mina	2.776	1.13	1.233	<u>1.585</u> 1.2	$\frac{1.172}{1.6}$	1.7	25 25 25	276	251	1.1 8.6	<u>941</u> 2.1	<u>1 1,21 6</u> 1.8
				60~85	1,645	5,483	4,954	6,841	3839	3,192	1.467	670	101	411	2.380	31.632
				45~59	4,420	1.1,295	12.910	17,843	1 0,0 0 6	8.718	3.8.2.7	1;746	1,827	1.073	6,201	82,446
Area			0	15~44	14,210	4 5,968	41,516	56,746	32.178	26,748	12,306	5,615	4,949	3.450	19,942	265,152
	·	ic., 1984	Age	10~14	4,350	14,073	12.710	17,557	9,852	8,189	3.767	1.719	662'1	1.056	6,105	81.178
vince and		uri in De		ۍ د ک	4,279	13.842	12501	17,268	9,690	8,054	3.706	1,691	1,769	1,039	6.005	79,844
		nchanab		1~4	3.0.3.6	9,821	8,870	12,252	6,875	5,715	2,629	1,199	1,255	737	4,260	56,649
the hanchanaburi Frovince and Survey Area		province of Kanchanaburi in Dec., 1984		0~1	550	1,779	1,606	2,219	1,245	1,035	477	217	227	134	121	10,260
				Total	<u>32.539</u> 100%	$\frac{105.261}{100\%}$	$\frac{95,067}{100\%}$	$\frac{1}{1}\frac{3}{0}\frac{1,3}{0}\frac{1}{8}$	$\frac{7.3685}{100\%}$	$\frac{6}{1}\frac{1.250}{0.0\%}$	$\frac{28179}{100\%}$	$\frac{12.857}{100\%}$	$\frac{1}{100\%}$	1 0 0 %	45664 100%	<u>607.171</u> 100%
Population of		tseholds of	Sex	Female	16.537 50.8	50.234	4 7,2 8 8 4 9.7	<u>64,783</u> 493	<u>38407</u> 521	<u>29,670</u> 48.4	12981	6.327 49.2	<u>6.171</u> 459	3929 49.7	2 2 2 1 5 4 8.6	298.543 49.2
n		ther of hou		Male	1 6,0 0 2 4 9.2	55,027	<u> 4 7,778</u> 503	<u>66553</u> 507	<u>35,278</u> 47,9	<u>31,580</u> 51.6	15,198 53.9	<u>6.5 3 0</u> 5 0.8	7282	3,991 50.3	<u>2 2,4 4 9</u> 5 1.4	<u>308,628</u> 50.8
Table -		Population and number of households of the		Housenoid No.	1.077	15,660	13.909	1 6.8 2 0	12.508	11,267	6,041	2.255	2.963	1,399	8.550	95,449
	• • •	1. Populatic		Name of place	Kanchanaburi (urban area)	Kanchanaburi (city)	T ha Muang	T ha Maka	Phanom' Thuan	Bo Phloi	Sai Yok	Si Sawat	Thong Pha Phum	Sangkhla Buri	Lao Khwan	Total
			<u> </u>		<u> </u>			,,	(:	27)						

(Source) Annual Report 1984 of Kanchanaburi Province

.

.

Table - 5

Ta a	Year 19	81	Year 19	82	Year 19	83.	Yeat 19	84.
Item	Person	%	Person	%	Person	1%	Person	%
Birth	12,928	2.4	13,575	2.4	12,382	2.1	11,216	1.8
Death	2,345	0.4	2,367	0.4	2,358	0.4	2,118	0.4
Increase	10,583	2.0	11,206	2.0	10,024	1.7	9,099	1.5

2. Movement of population in the province of Kanchanaburi

(Source) Annual Report 1984 of Kanchanaburi Province

3. Population of the rural districts of the survey area

		Year	1983				Year 1984		
Districts	Male	Female	Total	Increase	Household number	Male	Female	Total	Increase
Thong Pha	6,346	6,012	12,358	279	2,963	7,282	6,171	13,453	200
Phum	51.4%	48.6%	. 100%	2.3%		45.1%	45.9%	100%	1.5%
C: Causel	6,881	5,820	12,701	395	2,255	6,530	6,327	12,857	238
Si Sawat	54.2%	45.8%	100%	3.1%		50.8%	49.2%	100%	1.9%
Tetel	13,227	11,832	25,059	674	5,218	13,812	12,498	26,310	438
Total	52.8%	47.2%	100%	2.7%		52%	48%	100%	1.7%

(Source) Annual Report 1984 of Kanchanaburi Province

4. Villages and population of the zone in which the model area is to be selected

No.	Villages	Household number	Person	Remarks
]	Ban Phu Toei	80	300	Thong Pha Phum district Chalae town
2	Ban Dong Yai	30	200	Si Sawat district Dan Mae Chalaep town
3	Ban Dong Lek	30	100	H.
4	Ban Danmae Chalaep	3	30	
5	Ban Phu Ta Ma	9	40	
	Total	152	670	

(Source) Field Survey Data in Jan., 1986.

(2-2)

(3-1)

Table - 6 Results of Sample Plot Survey by Logging Block and Forest Type

(cm) 80.5 80.5 106.6 106.6 107.2 127.0 100.5 71.0 71.0 83.7 71.0 83.7 71.0 83.7 71.0 85.0 105.2 86.0 106.3 106.3 106.3	$V_{\rm eff}$	V_{WV}
4^{44} 10^{4} 1^{4} 10^{4} 11^{4} 0^{4} 10^{4}	4^{44} 10^{4} 1^{4} 10^{4} 11^{4} 10^{4} 11^{4} 10^{4} <th< td=""><td>4^{4} 10^{4} 1^{4} 10^{4} 1^{4} 10^{4} 1^{4} 10^{4} 1</td></th<>	4^{4} 10^{4} 1^{4} 10^{4} 1^{4} 10^{4} 1^{4} 10^{4} 1
4 10 Me F Mi H1 D1 0 15 136 161 101.9 19 1.0 Me F S _w H ₁ D1 25 15 116 156 107.2 21 0. Me F S _w H ₁ D1 25 15 166 156 107.2 21 1.0 Me F S _w H ₁ D1 3 3 16 96 115 127.0 21 1.0 Me F S _w H ₁ D1 115 5 17 126 148 100.5 21 1.0 Me H S _w H ₂ D1 115 5 12 165 105.2 21 0.1 Me H S _w H ₂ D1 115 25 12 163 105.2 22 0.4 Me H S _w H ₂ D1 120 15 120 163 105.2 23 1.0 Me H S _w H ₂ D1 120 123 224 71.0 26 0.4 10 122 24 122 326 71.0 26 1.0 D6 H S _w H ₂ D1 120 123 212 212 211 <t< td=""><td>4 10 Mb F Mi H₃ D₃ 0 15 16 161 161 101.9 19 1.0 Mb F S₆, H₃ D₃ 25 15 16 166 167.2 27 0.4 Mb F S₆, H₃ D₃ 25 17 126 146 100.5 27 0.1 Mb H H₁ D₂ 115 5 17 126 146 100.5 27 0.1 Mb H S₆ H₁ D₂ 115 5 17 126 87.9 97.0 27 0.1 Mb H S₆ H₁ D₂ 115 5 126 165 105.2 28 0.4 Mb H S₆ H₁ D₂ 115 23 15 120 97.0 27 0.4 Mb H S₆ H₁ D₁ 23 15 120 165.2 171.0 26 1.0 Mb H S₆ H₁ D₁ 133 21 122 326 71.0 27 0.4 Mb H S₆ H₁ D₁ 133 21 123 326 73.1 26 1.0 12 24 123 24 <t< td=""><td>4 10 Mn F K, H1, D1 0 15 16 161 101.9 19 1.0 Mn F S, H1, D1 25 15 116 156 107.2 21 0. Mn F S, H1, D1 25 15 116 156 107.2 21 0. Mn F S, H1, D1 25 15 126 145 100.6 21 0. Mn H1, D2 115 5 126 146 107.2 21 10 Mn F S, H1, D2 115 5 15 126 165 177.2 22 0.1 Mn H1, D2 115 5 125 246 87.9 71.0 23 0.4 Mn H2, D2 177 26 127 266 71.0 25 0.8 Mn H2, D1 118 21 171 205 83.7 26 1.0 Da H S, H2, D1 128 27 266 71.0 26 1.0 128 27 129 266 71.0 27 10 128 27</td></t<></td></t<>	4 10 Mb F Mi H ₃ D ₃ 0 15 16 161 161 101.9 19 1.0 Mb F S ₆ , H ₃ D ₃ 25 15 16 166 167.2 27 0.4 Mb F S ₆ , H ₃ D ₃ 25 17 126 146 100.5 27 0.1 Mb H H ₁ D ₂ 115 5 17 126 146 100.5 27 0.1 Mb H S ₆ H ₁ D ₂ 115 5 17 126 87.9 97.0 27 0.1 Mb H S ₆ H ₁ D ₂ 115 5 126 165 105.2 28 0.4 Mb H S ₆ H ₁ D ₂ 115 23 15 120 97.0 27 0.4 Mb H S ₆ H ₁ D ₁ 23 15 120 165.2 171.0 26 1.0 Mb H S ₆ H ₁ D ₁ 133 21 122 326 71.0 27 0.4 Mb H S ₆ H ₁ D ₁ 133 21 123 326 73.1 26 1.0 12 24 123 24 <t< td=""><td>4 10 Mn F K, H1, D1 0 15 16 161 101.9 19 1.0 Mn F S, H1, D1 25 15 116 156 107.2 21 0. Mn F S, H1, D1 25 15 116 156 107.2 21 0. Mn F S, H1, D1 25 15 126 145 100.6 21 0. Mn H1, D2 115 5 126 146 107.2 21 10 Mn F S, H1, D2 115 5 15 126 165 177.2 22 0.1 Mn H1, D2 115 5 125 246 87.9 71.0 23 0.4 Mn H2, D2 177 26 127 266 71.0 25 0.8 Mn H2, D1 118 21 171 205 83.7 26 1.0 Da H S, H2, D1 128 27 266 71.0 26 1.0 128 27 129 266 71.0 27 10 128 27</td></t<>	4 10 Mn F K, H1, D1 0 15 16 161 101.9 19 1.0 Mn F S, H1, D1 25 15 116 156 107.2 21 0. Mn F S, H1, D1 25 15 116 156 107.2 21 0. Mn F S, H1, D1 25 15 126 145 100.6 21 0. Mn H1, D2 115 5 126 146 107.2 21 10 Mn F S, H1, D2 115 5 15 126 165 177.2 22 0.1 Mn H1, D2 115 5 125 246 87.9 71.0 23 0.4 Mn H2, D2 177 26 127 266 71.0 25 0.8 Mn H2, D1 118 21 171 205 83.7 26 1.0 Da H S, H2, D1 128 27 266 71.0 26 1.0 128 27 129 266 71.0 27 10 128 27
18 1.0 Mo F S _m H ₁ D ₁ 25 15 16 166 107.2 15.9 41 1.0 Mo F S _m H ₁ D ₂ 5 17 126 146 100.5 20.6 27 0.1 Mo F S _m H ₁ D ₂ 15 17 126 148 100.5 20.6 27 0.1 Mo H ₁ D ₂ 115 5 126 146 100.5 20.6 27 0.1 Mo H ₂ D ₂ 115 126 148 100.5 20.6 27 0.1 Mo H ₂ D ₂ 15 120 163 16.7 16.7 28 120 Mo H ₂ D ₂ 120 22 246 71.0 18.2 29 1.0 Mo H ₂ D ₁ 123 212 120 266 73.7 16.6 29 1.0 Te F S _m H ₂ D ₁ 123 221 120 226 73.7 16.6 210 Te F S _m H ₂ D ₁ 123 21 122	19 1.0 Mo F.S., H1, D1, at 25 15 116 156 107.2 15.9 41 1.0 Mo F.S., H1, D1, at 3 16 36 115 127.0 17.6 41 1.0 Mo F.S., H1, D1, at 3 115 5 17 126 146 100.5 20.6 1 27 0.1 Mo HS., H1, D2, b 115 5 15 126 16.7 16.9 16.7 17.6 27 0.1 Mo HS., H1, D1, b 155 24 87.0 18.2 1 26 12 Mo HS., H2, D1, b 179 22 120 18.2 1 27 0.4 Mo HS, H2, D1 121 22 120 12.5 10.5 13.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 23 120 12.5 <td>19 1.0 Mo F.S., H₁ D₁ 25 15 116 156 107.2 15.9 41 1.0 Mo, F.S., H₁ D₁ 5 1.7 126 145 17.6 17.6 41 1.0 Mo, F.S., H₁ D₂ 5 1.7 126 145 17.7.6 17.6 2* 0.1 Mo, H₁ D₂ 115 5 246 87.9 15.7.7 17.6 3 1.0 Mo, H₂ D₂ 115 21 21 126 18.2 16.5 2* 0.1 Mo, H₂ D₂ 23 15 16.2 18.2 1 2* 0.2 D₂ F S_n H₁ D₁ 23 1 23 14.1.0 13.1 5 0.2 D₂ F S_n H₁ D₁ 123 21 171 205 18.2 6 1.0 D₂ H S_n H₁ D₁ 123 21 205 28.3 14.1.9 6 1.0 D₂ H S_n H₁ D₁ 123</td>	19 1.0 Mo F.S., H ₁ D ₁ 25 15 116 156 107.2 15.9 41 1.0 Mo, F.S., H ₁ D ₁ 5 1.7 126 145 17.6 17.6 41 1.0 Mo, F.S., H ₁ D ₂ 5 1.7 126 145 17.7.6 17.6 2* 0.1 Mo, H ₁ D ₂ 115 5 246 87.9 15.7.7 17.6 3 1.0 Mo, H ₂ D ₂ 115 21 21 126 18.2 16.5 2* 0.1 Mo, H ₂ D ₂ 23 15 16.2 18.2 1 2* 0.2 D ₂ F S_n H ₁ D ₁ 23 1 23 14.1.0 13.1 5 0.2 D ₂ F S_n H ₁ D ₁ 123 21 171 205 18.2 6 1.0 D ₂ H S_n H ₁ D ₁ 123 21 205 28.3 14.1.9 6 1.0 D ₂ H S_n H ₁ D ₁ 123
23^{4} 0.4 $M_{\rm D}$ F S_{\rm A} H ₃ D ₁ 3 16 96 115 127.0 17.6 41 1.0 $M_{\rm D}$ F S_{\rm A} H ₃ D ₁ 5 17 126 148 100.5 20.6 2^{-4} 0.1 $M_{\rm D}$ F S_{\rm A} H ₃ D ₁ 5 115 5 246 87.9 15.7 2^{-4} 0.1 $M_{\rm D}$ H S_{\rm m} H ₃ D ₁ 0 115 5 246 87.9 15.7 2^{-4} 0.1 $M_{\rm D}$ H S_{\rm m} H ₃ D ₁ 0 115 23 105.2 18.2 2^{-6} 0.4 $M_{\rm D}$ H S_{\rm m} H ₃ D ₁ 159 24 105.2 18.2 2^{-6} 0.4 $M_{\rm D}$ H S_{\rm m} H ₃ D ₁ 159 24 13.5 2^{-6} 0.4 $M_{\rm D}$ H S_{\rm m} H ₃ D ₁ 122 21 111 2^{-6} 1.0 $M_{\rm D}$ H S_{\rm m} H ₃ D ₁ 122 24 71.0 13.1 2^{-6} 1.0 $M_{\rm D}$ H S_{\rm m} H ₃ D ₁ 122 </td <td>23^{+} 0.4 Mo F S_m H_2 D_1 3 16 9.6 115 127.0 17.6 1 1.0 Mo F N₄ H_3 D_1 5 17 128 100.5 20.6 2^{-1} 0.1 Mo H H_1 D_2 115 5 125 246 87.9 15.7 3 10 Mo H S_m H_3 D_1 0 15 128 297 87.9 15.7 3 10 Mo H S_m H_3 D_1 13 2 12 246 116 16.7 5 0.4 Mo H S_m H_3 D_1 20 15 120 165.2 18.2 5 0.4 M_2 H_3 D_1 129 226 71.0 13.1 5 0.4 10.5 120 128 226 71.0 13.1 5 0.4 10.5 226 122 226 71.0 13.2 6 1.0 1.6</td> <td>23^{+} 0.4 M_{5} $F_{3,4}$ H_{1} D_{1} 3 16 36 115 127.0 17.5 1 1.0 M_{5} $F_{3,4}$ H_{1} D_{2} 115 5 17 126 148 100.5 20.5 2^{-1} 0.1 M_{2} H_{3} D_{2} 115 5 125 246 87.9 15.7 2^{-1} 0.1 M_{2} H_{3} D_{1} D_{2} 115 126 148 100.5 20.5 2^{-1} 0.1 M_{2} H_{3} H_{1} D_{1} 129 21 171 326 71.0 12.5 2^{-1} 0.4 D_{2} H_{3} H_{1} D_{1} 128 21 171 305 83.7 14.9 4.4 1.0 D_{2} H_{3} H_{1} D_{1} 122 212 122 12.6 12.6 12.6 2^{-1} D_{2} 120 128 221 122 12.6 12.6 12.6</td>	23^{+} 0.4 Mo F S_m H_2 D_1 3 16 9.6 115 127.0 17.6 1 1.0 Mo F N ₄ H_3 D_1 5 17 128 100.5 20.6 2^{-1} 0.1 Mo H H_1 D_2 115 5 125 246 87.9 15.7 3 10 Mo H S_m H_3 D_1 0 15 128 297 87.9 15.7 3 10 Mo H S_m H_3 D_1 13 2 12 246 116 16.7 5 0.4 Mo H S_m H_3 D_1 20 15 120 165.2 18.2 5 0.4 M_2 H_3 D_1 129 226 71.0 13.1 5 0.4 10.5 120 128 226 71.0 13.1 5 0.4 10.5 226 122 226 71.0 13.2 6 1.0 1.6	23^{+} 0.4 M_{5} $F_{3,4}$ H_{1} D_{1} 3 16 36 115 127.0 17.5 1 1.0 M_{5} $F_{3,4}$ H_{1} D_{2} 115 5 17 126 148 100.5 20.5 2^{-1} 0.1 M_{2} H_{3} D_{2} 115 5 125 246 87.9 15.7 2^{-1} 0.1 M_{2} H_{3} D_{1} D_{2} 115 126 148 100.5 20.5 2^{-1} 0.1 M_{2} H_{3} H_{1} D_{1} 129 21 171 326 71.0 12.5 2^{-1} 0.4 D_{2} H_{3} H_{1} D_{1} 128 21 171 305 83.7 14.9 4.4 1.0 D_{2} H_{3} H_{1} D_{1} 122 212 122 12.6 12.6 12.6 2^{-1} D_{2} 120 128 221 122 12.6 12.6 12.6
41 1.0 Mb F X ₆ H ₃ D ₁ 5 17 126 148 100.5 2^{-1} 0.1 Mb H M ₁ H ₂ D ₂ 115 5 245 87.9 87.9 3^{-1} 0.1 Mb H M ₁ H ₂ D ₂ 115 5 245 87.9 87.0 3^{-1} 0.10 Mb H S _m H ₃ D ₁ 0 15 120 165 17.0 3^{-1} D ₂ Mb H ₃ H ₃ D ₁ 23 15 120 165.2 5 D ₂ D ₂ F S _m H ₃ D ₁ 160 17 305 33.7 5 D ₄ D ₂ H S _m H ₃ D ₁ 160 113 21 171 305 33.7 5 LO D ₂ H S _m H ₃ D ₁ 121 21 171 305 33.7 4^{4} LO D ₆ H S _m H ₃ D ₁ 1221 21 124 266 73.7 4^{4} LO D ₆ H S _m H ₃ D ₁ 221 21 266 74.9	41 10 Mb F Ni, H_1 D_1 5 17 126 148 100.05 20.6 2^{-1} 01 Mb H N_{1} D_2 115 5 125 246 87.9 15.7 3 10 Mb H S_m H_3 D_1 0 15 5 24 37.0 18.5 3^{-1} 0 Mb H S_m H_3 D_1 0 15 122 37.0 18.5 3^{-1} 0 Mb H S_m H_3 D_1 0 15 122 37.0 18.5 5^{-1} 0 Mb H S_m H_3 D_1 262 27 105.2 18.2 5^{-1} 0.4 Da H S_m H_3 D_1 152 27 105 13.1 5^{-1} 0.4 Da H S_m H_3 D_1 122 21 171 305 83.7 14.9 4^{-1} 1.0 Da H S_m H_3 D_1 122 21 124 266 79.7 16.5 4^{-1} 1.0 Da H S_m H_3 D_1 1221 21 124	1 10 $M_{\rm D} \in N_{\rm t}, H_{\rm J}, D_{\rm T}$ 5 17 126 146 100.5 20.6 2^{-1} 0.1 $M_{\rm D} H S_{\rm m} H_{\rm T}, D_{\rm T}$ 115 5 125 246 $8.7.9$ 15.7 3 10 $M_{\rm D} H S_{\rm m} H_{\rm T}, D_{\rm T}$ 115 5 120 163 106.5 18.5 20^{-1} $M_{\rm D}$ H $S_{\rm m}$ H_{\rm T}, D_{\rm T} 179 224 170 18.2 18.2 20^{-1} $D_{\rm D} F S_{\rm m}$ H_{\rm T}, D_{\rm T} 129 224 71.0 13.1 5^{-1} 0.6 $D_{\rm D} F S_{\rm m}$ H_{\rm T}, D_{\rm T} 129 224 71.0 13.1 5^{-1} 0.6 120 122 224 71.0 13.2 5^{-1} 0.6 100 122 122 122 122 122 5^{-1} 0.6 $D_{\rm D} H S_{\rm m} H_{\rm D} D_{\rm L}$ 122 226 79.0 13.2 10^{-1}
2^{-1} 0.1 M ₅ H M ₄ H ₁ D ₂ 115 5 125 245 87.9 15.7 3^{-1} 10 M ₅ H S ₂ H ₂ D ₁ 0 15 82 97 57.0 18.5 20^{-1} D ₄ M ₂ H S ₂ H ₂ D ₁ 22 15 120 165.2 18.2 20^{-1} D ₂ H ₂ D ₁ 22 15 120 16.3 105.2 18.2 5^{-1} D ₂ H ₂ D ₁ 28 17 159 28.3 71.0 13.1 5^{-1} D ₂ H ₂ D ₁ 128 21 171 305 83.7 14.9 10 D ₂ H S ₂ H ₂ D ₁ 121 21 171 305 83.7 14.9 10 D ₁ D ₂ H S ₂ H ₂ D ₁ 121 21 122 266 79.7 165.6 10 D ₁ D ₂ H S ₂ H ₃ D ₁ 221 205 267 13.6 10 D ₁ D ₂ H S ₁ H ₂ D	2^{+} 0.1 M ₅ H M ₄ H ₁ D ₂ 115 5 125 245 87.9 15.7 15.2 15.7 15.2 <th16.2< th=""> <th16.2< th=""> <th16.2< th=""></th16.2<></th16.2<></th16.2<>	2^{+} 0.1 M_{D} H M_{1} H D_{2} 115 5 125 245 87.9 15.7 18.5 2^{-1} 0.4 M_{D} H S_{m} H J_{1} D_{1} 0 15 225 57.0 18.5 2^{-1} D_{4} M_{D} H S_{m} H J_{1} D_{1} 223 15 120 16.3 106.2 18.2 5 D_{6} D_{D} F S_{m} H J_{1} D_{1} 129 236 71.0 12.5 18.2 5 D_{10} D_{2} F S_{m} H J_{1} D_{1} 129 231 122 236 71.0 13.1 2^{-1} D_{11} D_{12} 172 121 205 83.7 14.0 4.4 1.0 D_{14} H S_{m} H J_{1} D_{1} 122 211 171 205 83.7 14.0 4.4 1.0 D_{14} 212 212 212 214.9 14.9 1.0 D_{16} D_{16} <
3 1.0 M_0 H S _m H ₃ , D ₁ 0 15 82 97 97.0 18.5 23^4 D ₄ M_{2} H S _m H D ₁ 23 15 120 163 105.2 18.2 5 D ₂ D ₅ F S _m H D ₁ 179 23 17.0 12.5 18.1 6 1.0 D ₅ F S _m H D ₁ 162 179 28.3 71.0 13.1 2^4 0.4 D ₅ H S _m H D ₁ 183 21 171 305 83.7 14.9 2^4 1.0 D ₅ H S _m H D ₁ 121 121 21 266 79.7 16.6 44 1.0 D ₆ H S _m H D ₁ 121 21 124 266 79.7 16.6 1.0 T ₆ F M ₁ H ₃ 21 121 21 124 266 74.9 17.3 1.0 T ₆ F M ₁ H ₃ 20 2 231 254 74.9 17.3 1.0 T ₆ F M ₁ H ₃ 121 21 224 254 74.9 17.3 1.0 T ₆ F M ₁	3 1.0 $W_0 + K_a, H_2, D_1$ 0 15 82 97 97.0 18.5 20^4 D_4 W_2 , H_2, D_2 23 15 120 16.3 105.2 18.1 5 D_2 D_5 F_{ab}, H_1, D_1 139 24 123 32.6 71.0 13.1 6 1.0 D_5 H_a, H_1, D_1 138 21 171 305 83.7 14.9 44 1.0 D_5 H_a, D_1 121 21 124 266 79.7 16.6 1.0 T_6 F_{ab}, H_a, D_1 121 21 124 266 79.7 16.6 1.0 T_6 F_{ab}, H_a, D_1 121 21 124 266 79.7 16.6 1.0 T_6 F_{ab}, H_a, D_4 221 21 124 266 74.9 17.3 1.0 T_6 T_6 T_6 221 224 74.9 17.3 1.0 T_6 T_6 T_7 266 74.9 17.3 </td <td>3 1.0 M_0 H S_m H₃, D₁ 0 15 82 97 97.0 18.5 20⁴ D₄ M₂, H₃, D₄ 22 15 120 163 105.2 18.1 5 D₂ D_b F S_m, H₁, D₁ 175 23 15 120 163 105.2 18.1 6 Li D_b F S_m, H₁, D₁ 159 24 123 326 71.0 13.1 2⁴ D₁ D_b H S_m, H₁, D₁ 153 21 171 305 83.7 14.9 4.1 Li D_b H S_m, H₂, D₁ 121 21 21 266 79.7 16.6 10 T_k F S_m H₂, D_k 320 21 121 21 266 79.7 16.6 10 T_k F S_m H₃, D_k 320 0 231 122 266 13.6 10 T_k F S_m H₃, D_k 320 0 231 263 85.0 13.6 10</td>	3 1.0 M_0 H S _m H ₃ , D ₁ 0 15 82 97 97.0 18.5 20 ⁴ D ₄ M ₂ , H ₃ , D ₄ 22 15 120 163 105.2 18.1 5 D ₂ D _b F S _m , H ₁ , D ₁ 175 23 15 120 163 105.2 18.1 6 Li D _b F S _m , H ₁ , D ₁ 159 24 123 326 71.0 13.1 2 ⁴ D ₁ D _b H S _m , H ₁ , D ₁ 153 21 171 305 83.7 14.9 4.1 Li D _b H S _m , H ₂ , D ₁ 121 21 21 266 79.7 16.6 10 T _k F S _m H ₂ , D _k 320 21 121 21 266 79.7 16.6 10 T _k F S _m H ₃ , D _k 320 0 231 122 266 13.6 10 T _k F S _m H ₃ , D _k 320 0 231 263 85.0 13.6 10
22^{4} 0.4 M_{2} , if S_{m} , H_{2} , D_{4} 22 15 120 16.3 106.2 18.4.4 1 5 0.2 D_{5} F, S_{m} , H_{1} , D_{1} 179 22^{4} 12.0 12.5. 13.1.1 5^{-4} 1.0 D_{5} F, S_{m} , H_{1} , D_{1} 150 17.2 32.6 71.0 13.1.1 2^{-4} 0.4 D_{5} H, S_{m} , H_{1} , D_{1} 113 21 171 305 83.7 14.9 4.4 1.0 T_{6} F, S_{m} , H_{2} , D_{1} 121 21 124 266 79.7 16.6 1 4.4 1.0 T_{6} F, S_{m} , H_{2} , D_{1} 121 21 124 266 79.7 16.6 1 10 T_{6} F, S_{m} , H_{2} , D_{1} 221 224 256 74.9 17.8 1	22^4 D4 M_D , H.S., H., D. 23 15 120 163 106.2 18.4 1 5 D2 D5 F.S., H., D. 175 24 122 326 71.0 13.1 6 LC D5 F.S., H., D. 183 21 171 305 93.7 14.0 44 1.0 D6 H.S., H., D. 121 21 121 305 93.7 14.0 44 1.0 Te, F.S., H., D. 121 21 121 305 93.7 14.0 44 1.0 Te, F.S., H., D. 121 21 121 20 14.0 13.1 46 1.0 Te, F.S., H., D. 121 21 121 205 14.0 13.1 41 1.0 Te, F.S., H., D. 121 21 121 265 79.0 16.6.6 1 10 Te, F.S., H., D. 121 21 21 264 74.9 17.3 10 Te, F.S., H., D. 22 3 12 29.0 18.6<	22^4 D4 M_D , if S_m , F_2 , D_4 22 15 120 163 106.2 18.4 1 5 D2 D _b F, S_m , H_1 , D_1 175 23 171.0 13.1 13.1 6 1.0 D _b H, S_m , H_1 , D_1 165 17 163 71.0 13.1 2^{-4} 0.4 D _b H, S_m , H_1 , D_1 183 21 171 305 83.7 14.9 13.1 4^{-4} 1.0 D _b H, S_m , H_2 , D_1 121 21 122 266 79.7 16.6 1 4^{-4} 1.0 T_k F N_6, H_3 , D_4 22 23 171 205 89.0 18.6 1 10 1.0 T_k F N_6, H_3 , D_4 22 23 257 89.0 18.6 1 10 1.0 T_k F N_6, H_3 , D_4 22 3 172 197 102.4 20.2 1 1 10 1.0 T_k F N_6, H_3 , D_4 21 23 254 74.9 17.3 1 1 1
5 0.2 $D_{\rm b}$ F $S_{\rm m}$ H ₁ D ₁ 179 24 12.6 12.6 12.5 6 1.0 $D_{\rm b}$ H $S_{\rm m}$ H ₁ D ₁ 162 17 109 28.8 71.0 13.1 2^{-4} 0.4 $D_{\rm b}$ H $S_{\rm m}$ H ₂ D ₁ 113 21 171 305 33.7 14.9 44 110 $D_{\rm b}$ H $S_{\rm m}$ H ₂ D ₁ 121 211 211 305 33.7 14.9 41 110 $D_{\rm b}$ H $S_{\rm m}$ H ₂ D ₁ 121 211 211 305 33.7 14.9 10 $T_{\rm b}$ F $S_{\rm m}$ H ₂ D ₁ 121 221 212 257 99.0 18.6 1 10 10 $T_{\rm c}$ F $S_{\rm m}$ H ₂ D ₂ 30 0 2224 257 99.0 18.6 1 10 10 $T_{\rm c}$ F $M_{\rm m}$ H ₃ D ₄ 0.9 223 254 70.2 1 11.3 10 10 $T_{\rm c}$ F $M_{\rm m}$ H ₃ D ₄ 20 224 254 <t< td=""><td>5 Dz Dz F.S., H., D. 179 24 123 326 71.0 12.5 13.1 z^{-1} DA DA HS, H., D1 182 17 109 283 71.0 13.1 z^{-1} DA DA HS, H., D1 113 21 171 305 83.7 14.9 44 1.0 DF, F.S., H., D1 121 221 124 266 79.7 16.6 1 9 1.0 Te, F.S., H., D2 321 221 124 266 79.7 16.6 1 10 1.0 Te, F.S., H., D2 321 221 221 231 266 73.7 16.6 1 10 1.0 Te, F.S., H., D2 320 0 224 266 73.7 16.6 1 1 10 1.0 Te, F.S., H., D2 320 0 224 266 17.4 20.2 1 1 10 1.0</td></t<> <td>5 D2 D5 F S_m H₁ D₁ 179 24 123 326 71.0 12.5 13.1 2^{-4} D H S_m H₁ D₁ 182 17 109 283 71.0 13.1 2^{-4} D H S_m H₁ D₁ 113 21 171 305 83.7 14.9 4^{-4} 1.0 D₆ H S_m H₂ D₁ 121 21 121 20 13.3 14.9 4^{-6} 1.0 T₆ F S_m H₂ D₁ 121 21 121 205 83.7 14.9 1.0 T₆ F S_m H₂ D₁ 121 21 121 205 13.7 16.6 1 10^{-1} T₆ F S_m H₂ D₁ 121 21 224 255 17.6 17.3 10^{-1} T₆ F S_m H₃ D₄ D 221 20.2 1 16.6 1 10^{-1} T₆ F S_m H₃ D₄ D 223 254 74.9 17.3 1 1</td>	5 Dz Dz F.S., H., D. 179 24 123 326 71.0 12.5 13.1 z^{-1} DA DA HS, H., D1 182 17 109 283 71.0 13.1 z^{-1} DA DA HS, H., D1 113 21 171 305 83.7 14.9 44 1.0 DF, F.S., H., D1 121 221 124 266 79.7 16.6 1 9 1.0 Te, F.S., H., D2 321 221 124 266 79.7 16.6 1 10 1.0 Te, F.S., H., D2 321 221 221 231 266 73.7 16.6 1 10 1.0 Te, F.S., H., D2 320 0 224 266 73.7 16.6 1 1 10 1.0 Te, F.S., H., D2 320 0 224 266 17.4 20.2 1 1 10 1.0	5 D2 D5 F S _m H ₁ D ₁ 179 24 123 326 71.0 12.5 13.1 2^{-4} D H S _m H ₁ D ₁ 182 17 109 283 71.0 13.1 2^{-4} D H S _m H ₁ D ₁ 113 21 171 305 83.7 14.9 4^{-4} 1.0 D ₆ H S _m H ₂ D ₁ 121 21 121 20 13.3 14.9 4^{-6} 1.0 T ₆ F S _m H ₂ D ₁ 121 21 121 205 83.7 14.9 1.0 T ₆ F S _m H ₂ D ₁ 121 21 121 205 13.7 16.6 1 10^{-1} T ₆ F S _m H ₂ D ₁ 121 21 224 255 17.6 17.3 10^{-1} T ₆ F S _m H ₃ D ₄ D 221 20.2 1 16.6 1 10^{-1} T ₆ F S _m H ₃ D ₄ D 223 254 74.9 17.3 1 1
6 1.C $D_0 F S_m H_1 D_1$ 180 17 100 283 71.0 13.1 2 ⁻¹ 0.4 $D_0 H S_m H_1 D_1$ 113 21 171 305 03.7 14.9 44 1.0 $D_0 H S_m H_1 D_1$ 121 21 171 305 03.7 16.6 4 1.0 $D_0 H S_m H_1 D_1$ 121 21 121 266 79.7 16.6 1 9 1.0 $T_c F S_m H_1 D_2$ 8 0 27.9 2557 89.0 18.6 1 10 1.0 $T_c F S_m H_1 D_2$ 30 0 22.34 254 74.9 17.3 10 1.0 $T_c F M_1 H_3 D_4$ 22 3 172 197 102.4 20.2 1 10 $T_c F M_1 H_3 D_4$ 59 1 239 309 86.0 19.3 1 10 ^{17⁺¹} 0.8 $T_c F M_1 H_3 D_4$ 5 4 153 1 1 10 ^{17⁺¹} 0.8 $T_c F M_1 H_3 D_4$ 5 4 15.3 1	6 1.0 $D_0 F S_n H_1 D_1$ 180 17 100 283 71.0 13.1 2 ⁻¹ 0.4 $D_0 H S_n H_1 D_1$ 113 21 171 305 83.7 14.9 44 1.0 $D_0 H S_n H_1 D_1$ 121 21 171 305 83.7 14.9 10 $T_6 F S_n H_2 D_1$ 121 21 121 266 79.7 16.6 1 10 $T_6 F S_n H_2 D_2$ 8 0 2.12 121 2.66 79.7 16.6 1 10 $T_6 F S_n H_3 D_2$ 8 0 2.12 2.12 2.66 79.7 16.6 1 10 $T_6 F S_n H_3 D_4$ 2.0 0 2.21 2.67 74.9 17.3 10 $T_6 F M_1 H_3 D_4$ 2.2 3 172 197 102.4 20.2 1 10 ⁴ 1.0 $T_8 F M_1 H_3 D_4$ 5 4 153 106.3 19.3 1	6 1.0 $D_0 F S_m H_1 D_1$ 180 17 109 283 71.0 13.1 2* 0.4 $D_0 H S_m H_1 D_1$ 113 21 171 305 33.7 14.9 44 1.0 $D_0 H S_m H_1 D_1$ 121 21 171 305 33.7 16.6 1 9 1.0 $T_6 F S_m H_1 D_4$ 8 0 249 257 89.0 18.6 1 10 1.0 $T_6 F S_m H_1 D_4$ 8 0 249 257 74.9 17.3 10 1.0 $T_6 F M_1 H_3 D_4$ 30 0 22.1 254 74.9 17.3 11 0.1 $T_6 F M_1 H_3 D_4$ 22 3 172 197 102.4 20.2 1 13^* 0.8 $T_6 F M_1 H_3 D_4$ 5 4 153 16.6 1 16 1.0 $T_6 F M_1 H_3 D_4$ 22 3 254 20.2 1 1
2^{-4} 0.4 D_{D} H S _m H ₂ D ₁ 113 21 171 305 83.7 14.9 44 1.0 D_{D} H S _m H ₂ D ₁ 121 21 121 21 266 79.7 16.6 9 1.0 T_{E} F S _m H ₂ D ₁ 21 121 21 267 89.0 18.6 1 10 1.0 T_{E} F S _m H ₂ D ₂ 8 0 27.9 257 89.0 18.6 1 10 1.0 T_{E} F S _m H ₂ D ₂ 30 9 27.4 254 74.9 17.3 16 1.0 T_{F} F M ₁ H ₃ D ₄ 5 4 183 197 106.3 19.2 1 17 ⁴ 0.8 T ₆ 6 1 239 309 86.0 19.2 1 19 ⁴ 0.8 T ₆ 1 0 183 163 19.3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2^{*} 0.4 D_{D} H S, H, D1 113 21 171 305 93.7 14.9 44 1.0 D_{D} H S, H, D1 121 21 121 21 124 10. 5 1.0 T_{E} F S, H ₁ D1 121 21 124 265 79.7 16.6 1 6 1.0 T_{E} F S, H ₁ D2 30 9 27.9 265 79.0 18.6 1 10 1.0 T_{E} F S, H ₁ D2 30 9 22.4 25.4 74.9 17.3 1 16 1.0 T_{E} F Mi H ₁ D4 22 3 172 197 102.4 20.2 1 17 ⁻⁴ 0.8 T_{K} F Mi H ₁ D4 69 1 239 309 86.0 19.2 1 1 18 ⁻¹ 0.8 T_{K} F Mi H ₁ D4 5 4 153 163 19.2 1 1 18 ⁻¹ 0.8 T_{K} F Mi H ₁ D4 69 1 0 195 106.3 19.2 1 1 1 1 </td <td>2^{*} 0.4 D_{e} HS, H, D1 113 21 171 305 93.7 14.9 44 1.0 D_{e} HS, H, D1 121 21 124 265 79.7 16.6 1 9 1.0 Te, FS, H_1 D2 23 21 124 265 79.7 16.6 1 10 1.0 Te, FS, H_1 D2 30 9 257 99.0 18.6 1 10 1.0 Te, FS, H_1 D2 30 9 257 99.0 18.6 1 10 1.0 Te, FS, H_1 D2 30 9 254 74.9 17.8 1 11 10 Te, FS, H_1 D4 22 3 172 197 102.4 20.2 1 117* 0.8 Ts, FM, H3, D4 53 1 239 369 86.0 19.3 1 15.2 1 1 117* 0.8 1 1 153 163 166.3 19.3 1 1 1 1 1 1 1 1 <td< td=""></td<></td>	2^{*} 0.4 D_{e} HS, H, D1 113 21 171 305 93.7 14.9 44 1.0 D_{e} HS, H, D1 121 21 124 265 79.7 16.6 1 9 1.0 Te, FS, H_1 D2 23 21 124 265 79.7 16.6 1 10 1.0 Te, FS, H_1 D2 30 9 257 99.0 18.6 1 10 1.0 Te, FS, H_1 D2 30 9 257 99.0 18.6 1 10 1.0 Te, FS, H_1 D2 30 9 254 74.9 17.8 1 11 10 Te, FS, H_1 D4 22 3 172 197 102.4 20.2 1 117* 0.8 Ts, FM, H3, D4 53 1 239 369 86.0 19.3 1 15.2 1 1 117* 0.8 1 1 153 163 166.3 19.3 1 1 1 1 1 1 1 1 <td< td=""></td<>
44 1.0 D_0 H S_m H_2 D_1 121 221 124 266 79.7 16.6 9 1.0 T_6 F S_m H_3 D_4 8 0 249 257 89.0 18.6 1 10 1.0 T_8 F S_m H_3 D_4 30 0 2.49 257 89.0 18.6 1 16 1.0 T_8 F S_m H_3 D_4 22 3 172 197 102.4 20.2 1 16 1.0 T_8 F M_1 H_3 D_4 52 1 239 309 86.0 19.2 1 17 ⁴ 0.8 T_8 F M_1 H_3 D_4 6 1 239 309 86.0 19.3 1 18 ⁴ 0.8 T_6 F M_1 H_3 D_4 1 0 195 163 19.3 1	44 1.0 D_0 H S_m H_2 D_1 121 221 124 266 79.7 16.6 9 1.0 T_E F S_m H_3 D_4 8 0 249 257 89.0 18.6 1 10 1.0 T_E F S_m H_3 D_5 30 0 224 254 74.9 17.3 16 1.0 T_E F N_0 H_3 D_5 30 0 224 254 74.9 17.3 16 1.0 T_E F N_0 H_3 D_4 22 8 172 197 102.4 20.2 1 16 1.0 T_E F M_1 H_3 D_4 69 1 239 309 86.0 19.3 1 17 ⁴ 0.8 T_K F M_1 H_3 D_4 69 1 239 309 86.0 19.3 1 18 ⁴¹ 0.8 T_K F M_1 H_3 D_4 1 0 196 20.6 99.4 19.3 1 30 1.0 T_K F M_1 H_3 D_4 8 1 216 20.4 19.3 1 1 18 ⁴¹ 0.8 1 1 1	44 1.0 D_0 H S_m H_2 D_1 121 221 124 266 79.7 16.6 9 1.0 Te F S_m H_2 D_4 8 0 2.49 257 89.0 18.6 1 10 1.0 Te F S_m H_3 D_4 30 9 22.4 74.9 17.8 1 16 1.0 Te F S_m H_3 D_4 22 3 172 197 102.4 20.2 1 16 1.0 Te F M_1 H_3 D_4 22 3 172 197 102.4 20.2 1 17 ⁻⁴ 0.8 Tx F M_1 H_3 D_4 5 1 233 309 86.0 19.3 1 1 17 ⁻⁴ 0.8 Tx F M_1 H_3 D_4 11 0 105 20.6 99.4 19.3 1 19 ⁻⁷ 0.8 Tx F M_1 H_3 D_4 11 0 1056 20.4 19.2 1 1 10 ⁻⁷ 1.7 1 153 166 1 1 2 1 1 1 1 1 1 1 1
3 1.0 $T_{\rm E}$ F S _m H ₃ D ₄ 8 0 2.49 2.57 89.0 18.6 10 1.0 $T_{\rm E}$ F S _m H ₃ D ₇ 30 0 2.49 2.54 74.9 17.8 16 1.0 $T_{\rm E}$ F M ₁ H ₃ D ₇ 30 0 2.24 2.54 74.9 17.8 16 1.0 $T_{\rm E}$ F M ₁ H ₃ D ₄ 22 3 172 197 102.4 202 17^{**} 0.8 $T_{\rm E}$ F M ₁ H ₃ D ₄ 5 4 153 193 193 17^{**} 0.8 $T_{\rm E}$ F M ₁ H ₃ D ₄ 5 4 153 193 193 10^{**} $T_{\rm E}$ F M ₁ H ₃ D ₄ 11 0 156 193 193	9 1.0 Te FS _m H ₃ D ₄ 8 0 249 257 89.0 18.6 10 1.0 Te FS _m H ₃ D ₇ 30 0 224 254 74.9 17.3 16 1.0 Te F M ₁ H ₃ D ₄ 22 3 172 197 102.4 20.2 16 1.0 Te F M ₁ H ₃ D ₄ 22 3 172 197 102.4 20.2 17 ⁴ 0.8 Te F M ₁ H ₃ D ₄ 69 1 239 300 86.0 19.3 18 ⁴ 0.8 Te F M ₁ H ₃ D ₄ 1 0 196 20.2 19.3 18 ⁴ 0.8 Te F M ₁ H ₃ D ₄ 11 0 196 206 99.4 19.3 30 1.0 Te F M ₁ H ₃ D ₄ 8 1 215 224 92.2 17.7	g 1.0 T_{E} F S _m H ₃ D ₄ 8 0 249 257 89.0 18.6 10 1.0 T_{E} F S _m H ₃ D ₄ 30 9 224 254 74.9 17.3 15 1.0 T_{E} F S _m H ₃ D ₄ 22 3 172 197 102.4 20.2 16 1.0 T_{E} F M ₁ H ₃ D ₄ 69 1 239 309 86.0 19.2 17 ⁴ 0.8 T_{K} F M ₁ H ₃ D ₄ 69 1 239 309 86.0 19.2 18 ⁴ 0.8 T_{K} F M ₁ H ₃ D ₄ 11 0 195 20.4 19.3 18 ⁴ 0.8 T_{K} F M ₁ H ₃ D ₄ 11 0 196 20.4 19.2 30 1.0 T_{K} F M ₁ H ₃ D ₄ 8 1 215 22.4 90.4 19.2 31 1.0 T_{K} F M ₁ H ₃ D ₄ 8 1 215 22.4 20.7
	10 1.0 $T_k \ F \ S_n \ H_3 \ D_2$ 30 9 224 254 74.5 17.8 15 1.0 $T_k \ F \ M_i \ H_3 \ D_4$ 22 3 172 197 102.4 20.2 16 1.0 $T_k \ F \ M_i \ H_3 \ D_4$ 69 1 239 309 86.0 19.2 17 ⁴ 0.8 $T_k \ F \ M_i \ H_3 \ D_4$ 69 1 239 309 86.0 19.2 17 ⁴ 0.8 $T_k \ F \ M_i \ H_3 \ D_4$ 69 1 239 309 86.0 19.3 18 ⁴¹ 0.8 $T_k \ F \ M_i \ H_3 \ D_4$ 11 0 196 99.4 19.3 30 1.0 $T_k \ F \ M_i \ H_3 \ D_4$ 8 1 215 224 92.2 17.7	10 1.0 $T_{\rm K}$ F S _m H ₃ D ₇ 30 0 224 254 74.5 17.3 15 1.0 $T_{\rm K}$ F M ₁ H ₃ D ₄ 22 3 172 197 102.4 202 16 1.0 $T_{\rm K}$ F M ₁ H ₃ D ₄ 53 5 1 239 309 86.0 19.2 17 ⁻⁴ 0.8 $T_{\rm K}$ F M ₁ H ₃ D ₄ 5 4 153 166.3 19.3 17 ⁻⁴ 0.8 $T_{\rm K}$ F M ₁ H ₃ D ₄ 11 0 196 206 99.4 19.3 18 ⁻¹ 0.8 $T_{\rm K}$ F M ₁ H ₃ D ₄ 11 0 196 206 99.4 19.2 30 1.0 $T_{\rm K}$ F M ₁ H ₃ D ₄ 8 1 215 22.4 92.2 17.7 31 1.0 $T_{\rm K}$ F M ₁ H ₃ D ₅ 9 0 81 20.7 20.7
1.0 T ₅ F M ₁ H ₃ D ₄ 22 3 172 197 102.4 20.2 1.0 T ₅ F M ₁ H ₃ D ₄ 69 1 239 309 86.0 19.2 0.8 T ₅ F M ₁ H ₃ D ₄ 5 7 153 163 106.3 19.3 0.8 T ₆ F M ₁ H ₃ D ₄ 11 0 196 206 99.4 19.2	1.0 $T_{\rm K}$ F M ₁ JJ, 22 3 172 197 102.4 20.2 1.0 $T_{\rm K}$ F M ₁ H ₃ D ₄ 69 1 239 309 86.0 19.2 0.8 $T_{\rm K}$ F M ₁ H ₃ D ₄ 69 1 239 309 86.0 19.2 0.8 $T_{\rm K}$ F M ₁ H ₃ D ₄ 5 4 153 163 19.3 0.8 $T_{\rm K}$ F M ₁ H ₃ D ₄ 11 0 196 206 99.4 19.2 1.0 $T_{\rm K}$ F M ₁ H ₃ D ₄ 11 0 196 206 99.4 19.2 1.0 $T_{\rm K}$ F M ₁ H ₃ D ₄ 8 1 215 22.4 92.2 17.7	L0 $T_{\rm K}$ F M ₁ JJ, 22 3 172 197 102.4 202 L0 $T_{\rm K}$ F M ₁ H ₃ D ₄ 59 1 239 309 86.0 19.2 L0 $T_{\rm K}$ F M ₁ H ₃ D ₄ 5 7 1 239 309 86.0 19.2 0.8 $T_{\rm K}$ F M ₁ H ₃ D ₄ 5 7 153 163 19.3 19.3 0.8 $T_{\rm K}$ F M ₁ H ₃ D ₄ 11 0 196 206 99.4 19.2 1.0 $T_{\rm K}$ F M ₁ H ₃ D ₄ 8 1 2 215 224 92.2 17.7 1.0 $T_{\rm K}$ F M ₁ H ₅ D ₅ 9 0 81 2 20.7 17.7
1.0 $\Gamma_{\rm F}$ F M _i H ₃ D ₄ 69 1 239 309 86.0 19.2 0.8 $\Gamma_{\rm F}$ F M _i H ₃ D ₄ 5 7 153 163 19.3 0.8 $\Gamma_{\rm F}$ F M _i H ₃ D ₄ 1 0 195 206 99.4 19.2	1.0 T _R F M ₁ H ₂ D ₄ 69 1 239 309 86.0 19.2 0.8 T _R F M ₁ H ₂ D ₄ 5 4 153 163 19.3 19.3 0.8 T _R F M ₁ H ₂ D ₄ 11 0 196 206 99.4 19.2 1.0 T _R F M ₁ H ₂ D ₄ 11 0 196 206 99.4 19.2 1.0 T _R F M ₁ H ₂ D ₄ 8 1 215 224 92.2 17.7	1.0 $T_R F M_t H_3 D_4$ 69 1 239 86.0 19.2 0.8 $T_R F M_t H_3 D_4$ 5 7 153 163 19.3 0.8 $T_R F M_t H_3 D_4$ 11 0 195 19.3 0.8 $T_R F M_t H_3 D_4$ 11 0 196 206 99.4 19.2 1.0 $T_R F M_t H_3 D_4$ 11 0 196 20.6 99.4 19.2 1.0 $T_R F M_t H_3 D_4$ 8 1 215 22.4 92.2 17.7 1.0 $T_R F M_t H_3 D_5$ 9 0 81 20.7 20.7
0.8 $T_{\rm K}$ F M ₁ H ₂ D ₄ 5 4 153 163 19.3 19.3 0.8 $T_{\rm K}$ F M _i H ₃ D ₄ 11 0 196 206 99.4 19.2	0.8 $T_{\rm s}$ F M ₁ H ₃ D ₄ 5 d 153 163 19.3 0.8 $T_{\rm c}$ F M ₁ H ₃ D ₄ 11 0 196 206 99.4 19.2 1.0 $T_{\rm s}$ F M ₁ H ₃ D ₄ 11 0 195 206 99.4 19.2 1.0 $T_{\rm s}$ F M ₁ H ₃ D ₄ 8 1 215 22.4 92.2 17.7	0.8 T _k F M ₁ H ₁ D ₄ 5 4 153 163 19.3 19.3 0.8 T _k F M ₁ H ₂ D ₄ 11 0 196 206 99.4 19.3 1.0 T _k F M ₁ H ₂ D ₄ 11 0 196 206 99.4 19.2 1.0 T _k F M ₁ H ₂ D ₄ 8 1 215 22.4 92.2 17.7 1.0 T _k F M ₁ H ₂ D ₅ 9 0 81 205 20.7 20.7
$0.8 T_{R} \Gamma M_{i} H_{j} D_{i} \qquad 1.1 \qquad 0 \qquad 1.95 \qquad 2.06 \qquad 9.9.4 \qquad 1.9.2$	0.8 T ₆ F M _i H ₅ D ₄ 11 0 196 206 99.4 19.2 1.0 T ₈ F M _i H ₅ D ₄ 8 1 215 224 92.2 17.7	0.8 T _K F M _i H ₃ D ₄ 1.1 0 196 206 99.4 19.2 1.0 T _K F M _i H ₃ D ₄ 8 1 215 224 92.2 17.7 1.0 T _K F M _i H ₃ D ₃ 8 1 215 224 92.2 17.7 1.0 T _K F M _i H ₃ D ₃ 9 0 81 30 106.7 20.7
	1.0 Tr, F M, H ₅ D ₄ 8 1 215 224 92.2 17.7	L0 Tr, F M, H ₃ D, 8 1 215 224 92.2 17.7 L0 Tr, F M, H ₃ D, 9 0 81 30 106.7 20.7 1
L0 Tr F M ₁ H ₂ D ₃ 5 0 81 50 106.7 20.7 L0 Tr F M ₁ H ₃ D ₄ 74 2 230 306 91.3 20.6	1.0 T _K F M; H ₃ D ₄ 74 2 230 306 91.3 20.6	
L0 T _k F M, H ₃ D, 9 0 81 50 106.7 20.7 L0 T _k F M, H ₃ D, 74 2 230 306 91.3 20.6 L0 T _k F L _x H ₃ D, 11 0 184 195 114.1 20.3	L0 T _K F M ₁ H ₂ D ₄ 74 2 230 306 31.3 20.6 1.0 T _K F L _A H ₂ D ₄ 11 0 184 195 114.1 20.9	1.0 T _K F L _A H ₂ D _A 11 0 184 195 114.1 20.9

5 main species Afzelia xylocarpa, Plerovarpus macrocarpus, Dalbergia dongnaiensis, Xylia kerrii. Sindora siamensis

(29)

(3-2)

Table – 6

(per ha) 1.40 1.12 0.75 1.06 30 1.20 2.08 0.75 1.58 1.25 1.30 1.64 0.79 L.57 1.26 1.11 0.96 0.95 0.91 1.06 per tree I.21 0.85 1.07 41,5 80.6 61.6 100.2 74,9 114.5 37.0 64.8 92.1 149.6 52.0 91.1 90.5 61.7 41.8 34.0 33.5 46.7 38.7 47.8 Total (per ha) 41.1 62.2 52.6 Volume (m) 41.5 58.6 90.5 64.0 37.0 37.0 46.7 83.0 89.9 115.2 67.7 27.9 33.6 27.9 39.0 6,0 82.2 77.8 12.1 13.6 8.0 1.12 20.1 Others 0 0 16.6 14.9 1.6 29.3 13.3 4.7 1.6 3.9 0 ຕຸ O 10.0 1,8 8.0 1.7 13 2.2 3.1 8.8 5 main DIPTERO. CARPACEAE 0 0 4.3 0 0 0 11.8 36.3 16.9 30.2 13.9 33.3 0 53.4 59.5 0 0 5.1 24.8 16.8 12.1 3.7 50 67 63 3 8 8 5 3 Total 35 35 55 2 55 33 56 52 \$ 53 45 2 5 4 Number of Tree (G. B. H. 101cm & up) 28 42 11 Others 55 35 \$ \$ 22 22 47 \$ 2 83 ç 83 82 å 51 13 31 47 38 33 \circ 0 ~ \$ a 13 61 ŝ œ æ 03 vo 0 H 0 5 main species H ŝ ---------DIPTERO-CARPACEAE \circ 0 0 0 0 ŝ н 41 3 0 35 0 ω ទ H 0 24 ŝ z 32 12 h н 11.5 1.5 12,9 11.6 11.7 10.9 8.6 9,6 9,0 3,2 8,0 9.6 9.4 8.6 11.3 7.5 8.3 9.2 9.8 7.0 6.5 8.2 8. i E Mean Value 15.2 18.6 18.7 20.6 22.1 15.7 17.0 18.0 17.3 16.9 9.3 18.0 16.8 15.9 16.5 14.7 16.4 16.3 17.2 16,4 16.2 [<u>6</u>.] 8.4 н (-) С. В. Н. (сп.) 82.5 107.5 104.0 101.9 105.6 39.5 99.8 8 104.0 110.9 111.6 103.6 94.5 87.9 95.7 95.6 91.6 100.4 108.9 107.7 107.0 86.4 82.7 84.1 155 120 138 154 6 138 194 216 92 124 176 162 200 113 108 153 186 Ê 112 8 141 167 104 Total Number of Tree (G. B. H. 46cm & up) 155 120 122 179 115 162 40 99 110 Others Ľ ğ 8 ନ 144 142 8 111 35 107 8 135 3 5 main species S 0 0 g 11 33 н 33 8 5 8 5 თ თ ŝ 0 4 2 rs ₹* 井 ខ្ល DIPTERO. 0 0 10 2 0 0 --0 158 4 49 8 8 æ 0 12 ---ę 25 48 ÷ ----1 Mo F Mi H₂ D₄ Mo F Mi H₂ D₁ Н2 D2 Mo H L. H₃ D₁ $H_2 D_2$ M_D H M_i H₂ D₁ Mp H Mi Hz DA Mp H S., H₂ D₃ Mp H S_n H₃ D₂ Mp F Mt H₃ D₂ M_D F M_i H₂ D₄ ñ M_D F M_i H₃ D₃ DoFS, H2 D3 Mp F Mi H₂ D₂ M_D F M_i H₂ D₂ Mp F Mi H₂ D₁ M_D F M_i H₂ D₁ ឝ $D_D F S_m H_2 D_2$ D_D F S., H₂ D₂ M_D H S_m H_z D₁ MoFM H2D1 Forest Type ц Ē Do H S., M_D F M Mp H S., Mp F S_m Size (ha) 0.20.2 1.0 0.8 2 0.8Ľ0 10 1.0 10 3.0 1,0 50 2 1.0 ្អ 2 2 1.0 Plot 18-1 Ī. 37 38 ទ្ ਲ **ਲ** ជ ជ ----8 8 4 ន ន 2 2 ន s 8 8 2 (inside the model area) 3 (inside the model area) 4 (inside the model area) the area) Logging Block No. 5 (inside t model a

5 main species …….. Afzelia xylocarpa, Pterocarpus macrocarpus, Dalbergia dongnaiensis, Xylia kerrii, Sindora siamensis (3 - 3)

Table - 6

Logying	Plot	ot	Forest Type		Number of Tree (G. B. H. 46cm & up)	of Tree Som & up)		· F	Mean Value			C. B. H. 101	Number of Tree B. H. 101cm & up)				Volt	Volume (m)	urne (m ¹)
Block Na	Na.	Size (ha)		DIFTERO- CARPACEAE	5 muin species	Others	Total	G, B, H. (cm)	Т. Н. (ш)	C.L (m)	DIPTERO. CARPACEAE	5 main species	Others	Total	DIPTERO. CARPACEAE	5 main species	Others		Total (per ha)
so.	53	1.0	MuFMiH2D2	69	۲	95	168	1.80	16.2	8.1	34		38	73	30.3	1.2	28.4		59.9
(inside the model area)	ន	01	M _D F M _i H ₂ D ₁	80	69	142	225	86.8	16.1	8.5	42	0	23	. 65	48.8	0	16.2		65.0
	8	01	Mo F Mt H ₂ D,	14	0	8	107	120.8	18.4	6	14	т т	42	59	33.6	4.0	51.1		88.7
7	22	1.0	Mp F Sm H1 D1	0	0	120	120	103.8	11.6	7.0	0	0	54	54	•	0	42.2		42.2
model area)	Ś	0.8	Mp F S., H1 D1		0	117	118	108.4	11.6	7.1	rei	0	23	54	2.0	0	59.5		61.5
8	. 00	10	Tr F M, H _a D ₂	61	Pr-1	201	221	89.7	0.61	13.0	6	-	47	57	29.0	0.8	102.6		132.4
model area)	я	1.0	TEFM, HID2	55	0	240	275	87.0	20.0	13,5	27	0	70	97	118.2	0	153.2		271.4
	ъ,	2	T _E H M _i H ₃ D ₃	0	0	243	252	103.9	18,3	12.2	Ŷ	0	78	84	17.7	0	217.2		234.9
	~	.0 .1	Mp F S _n H ₂ D;	ي م		157	25	98.4	0'11	9.2	50	Ö	26	59	3.2	0	76.0		79.2
	12	1.0	M _D F S _n H ₂ D ₁	0	гя	152	155	83,6	13.1	6.8	0	0	48	48	0	0	46.2		46.2
	10	01	M _D H S _m H ₁ D ₁	0	4	138	142	117.8	8.61	8.1	0	-	67	89	0	2.1	93.1		95.2
6	-	10	T _E F Mi H ₃ D ₂	۵۰ 		228	235	1.7.1	23.7	16.9	s.	0	83	87	17.8	0	276.9	ļ	294.7
model area)	~	1:0	T _E F M; H, D,	4	0	295	239	91.8	22.2	14.9	4	0	88	6	6.2	Q	178.2		184.4
-	\$	1.0	T _E F M _i H ₃ D ₂	0	0	260	260	99.7	21.0	14.4	0	0	11	11	0	0	280.3		280.3
	4	1:0	TEFM, H, D,	~~~	0	219	222	123.1	20.6	19.5		0	8	95	1.6	0	340.4		342.0

5 main species …….. Afzelia xylocarpa, Pterocarpus macrocarpus, Dalbergia dongnaiensis, Xylia kerrii, Sindora siamensis

.

·

	·····				~	<u> </u>			·					····					
(5-1)		Remarks	pH5,5~6.2 (A, ~C horizon)	pH5.8 (A, ~C horizon)	pH6.7 (A, horizon)	pH5.3 (A, , B ₂ horizon)	tpH6.4 (A, horizon)	pH5.1, 6.2 (A, ~B ² horizon)	pH6.0, 6.2 (A., A. horizon)	Gravel	-	pH5,4 (A, A, A,	pH5.8, 5.3 (A ₁ , B ₂ horizon)	pH5.4, 5.7 (A., B horizon)		pH5.0, 4.9 (A, B; honzon)	pHS.2, 6.1 (A,, B, horizon)	pH5.7, 6.1 (A, B, horizon)	1
		Root	Abundant	Abundant	Abundant	Common	Abundant	Соттоп	Abundant	Common	Common	Abundant	Common	Соттол	Abundant	Few	Соттоп	Солтол	Many
	Mycor- rhiza & mycel-		5	I	ı	I	1	1	I	1		1	I.	I.	ı	i	I		t.
	Leach- ing & accumu-	lation	t	2	I	t	I	ł.	1	t	ł	I	I	1	ł	5	·	(Fe mottle)	1 .
	Moice	ture	Dry to moist	Dry	V iQ	Dry to Dry to moist	Dry	Dry to moist~ Moist	Dry to moist~ Moist	Dry	λΩ	Dry	Dry~ Dry to moist	Dry	Dry	Dry	Dry∼ Moist	Dry	Dry
		Hardness	24~30	2737	17~20	28~32	15~19	28~31	21~31	21~36	24~28	29~32	24~3I	30~31	23	26~32	22~32	23~31	26~33
tion		Content	Солимол	Abundant	Very abundant	1	Very abundant	1	3	Very abundant	Abundant	Scanty	1	Scanty	Abundant	Scanty	1	(Scanty)	1
Examina	Gravel	Weathering	Weathered	Weathered	Weathered	1	Weathered	1	1	Strong Weathered	Weathered	Strong Weathered	1	Strong Weathered	Fresh∼ Wcathere	Weathered	1	(Strong Weathered)	1
Results of the Soil Profile Examination		Form & size	Angler, Fine~Small	Subangler Angler, Fine	Rounded, Small	i	Rounded~ Subangler, Fine~Small	1	1	Angler~ Subangler, Fine~Small	Subangler~ Angler, Small	Subangler, Fine	1	Rounded, Small	Rounded, Fine Suburgier, Small	Angler, Small	J .	(Subangler, Medium)	ł
of the So		Structure	Blocky	Blocky	Blocky	Blocky	Nutty, Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Nutty Blocky	Blocky	Blocky	Blocky
sults c		Texture	Clay	Clay	Sandy clay~Clay	Clay.	G _{ay}	Clay	Clay	Clay	Clay	Clay	Clay	Clay Ioam	Clay Ioam	Clay	Clay	Clay	Clay Clay~
		Humus	Abundant	Very abundant	Very aboundant	Aboundant	Very abundant	Aboundant	Very abundant	Aboundant	Abundant	Abundant	Abundant ~Common	Abundant	Abundant	Соттол	Соттол	Соттол	Соттоп
Table-7		Color	7.5YR 3/3~4/3	7.5YR 2/1~2/2	5YR 2/2~2/3	5YR 2/1~3/4	7.5YR 2/1-2~10R 2/3-4	5-7.5YR 2/2~5YR 3/6	5YR 2-3/1~3/2	5YR 3/2~2.5YR 4/6	5YR 2/1~7.5YR 4-5/3-4	7.5YR 3/2~5YR 3/1	2.5YR 2/3~7.5YR 3/4	7.5YR 3/2~ 4/4	5YR 3/2	SYR 3/4~7.5YR 5/4	5YR 2/2~10R-2.5YR 3/6	10YR 5/2~2.5YR 4/8	7.5YR 3/3~2.5-5YR 4/8
	Thickness	(m)	0.45	0.50	0.35	0.60	0.15	more than 10	more than 10	0.6	0.30	more than 10	more than 10	more than 1.0	0.20	more than 1.0	more than 1.0	more than 10	more than 1.0
	Type		ğ	ш	<u>ш</u>	Be-c	щ	Ne - I	Be-c	LEI التا	щ	Be-c	Ne - s	Be-I	٤٩	Be r	Nc - f	3	Be - L
	Incli-	10	æ	13	'n	m	4	0	17	5	-	0	0	53	10	50	0	60	:
	ľ nestion . 8	topography	Secondly ridge top	Spur upper site	Supur upper site	Spur deposit site	Hillside middle site (flat)	Flat	Spur deposit-site	Hillside lower site (flat)	Flat	Flat	Flat	Hillside lower site	Spur deposit site	Hillside middle site	Upland upper site (flat)	Small ridge top	Hillside middle site
	+	ź	Θ	~	m.	4	۲۷ 	ý	0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>о</u>	10		12	ri Fi	4	\$ 1	16	1

* No mark : inside the model area, \bigcirc : outside the model area

(32)

(5-2)		Remarks		pH6.2, 6.0 (A ₁ , B ₁ horizon)	pH5.6, 5.9 (A, B, horizon)				pH6.3, 6.5 (A ₂ , B ₁ horizon)	pH6.0, 6.7 (A., B. hoñzon)			pH6.7, 7.0 (A, 'B, horizon)	Gravel		pH6.3 (A, herizon)			
		Root	Common	Many	Many	Common	Common	Common	Few	Many	Соплиол	Common	Many	Abundant	Мапу	Common ~Many	Common	Few	Few
:	Mycor- rhiza &	-imycer-	I	I	1	1	i	۱	ł	ł	l	1	1	1	1	1	l	1	r
·	Leach- ing &	accumu- lation	I	I	ł	ł	I	l	1	i	1	<u></u> 1	l	I.	i	1	1	1	1
		mous- ture	Dry~ Dry to moist	Dry	Dry to moist	Dry	Dry	Dry~ Dry to moist	Dry~ Dry to moist	Dry to moist	Dry to~ Dry to moist	Dry to moist	Dry to moist	Dry	Dry	Dry	Dry to moist	D::U	Dry
:		Hardness	28~31	28~30	23~32	30~33	18~33	30~32	24~30	21~29	24~30	25~30	21~24	12~16	20~31	21~31	26~30	29~33	23~31
		Content	Scanty	1	1	. 1	1	Scanty	Соттоп	F .	Scanty	1	1	Very abundant	Scanty	1	1	1	Солтол
	Gravel	Weathering	Fresh	i	L	1	I	Weathered	Weathered	ł	Weathered	1	I	Weathered	Weathered	1	1	1	Weathered
		Form & size	Subangler~ Rounded, Fine	1	i	l	1	(Rounded, Fine)	Angler Subangler, Fine	I	Rounded Subangler, Fine	I	ì	Rounded Angler, Fine Medium	Subangler, Angler, Fine	ł	1	ł	Subangler, Fine~Small
Table-7		Structure	Blocky	Blocky	Blacky	Blocky	Blocky Clumb	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky
F		Texture	Clay loam loam	Clay	Cluy	Clay	Clay, Clay loam	Clay	Clay toam loam~ Clay	Clay	Clay loam	Cluy	Clay	Sandy Ioam	Clay loam loam~ Clay	Clay	Clay	Clay	Clay
		Humus	Abundant	Common	Abundant	Common	Abundant	Common	Common	Abundant	Соллаол	Common	Common	Abundant	Abundant	Very abundant	Abundant	Scanty	Scanty
		Color	7.5YR 2-3/1~5YR 4/8	7.5YR 4-5/3~5YR 4/8	7.5YR 3/2~2.5YR 3/5	5YR 2/2~2.5YR 34/4	7.5YR 2-3/1~10YR 4/4	SYR 3/2~2.5YR 3/6	7.5YR 4/4~2.5YR 3/5	2.5YR 2/3~10YR 2-3/3	5YR 4/2~4/4-6	5YR 2/3~2.5YR 3/6	2.5YR 2/4~10R-2.5YR 3/ 3/6	7.5YR 4/2~8/3	5YR 2/4~2.5YR 3/4	2.5YR 3/2~3/3	5YR 2/2~2.5YR 3/5	5YR 5/2-2.5YR 4/8	7.5YR 4/3~5YR 5/6
	Thickness	(m)	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 10	more than 10	more than	more than 1.0	more than 1.0	more than 1.0	more than 1.0	0.10	0.25	0.50	more than 1.0	more than 1.0	more than 1.0
	Type		Bo - r	Be-r	<u>ੇ</u>	Bc - r	Bc-r.	Хе - Г Х	ż	ž	ž	J - 9%	Ne•s	ស	щ	ធ	Ne - ſ	Ľ\$	Be-r
	Incli-	цĊ,	13	10	18	51	0	0	**	.	vi 	Q	0	58	0	13	11	12	16
	I active I	topography	Hillside Jower site	Hill slope middle site	Hillside lower site	Hillside middle site (flat)	Flat (hill side)	ाथम्	Flac		Fiat	Upland upper site (flat)	Upland upper site (flat)	Hillside middle site	Flat	Spur upper site	Hill slope lower site	Hillside upper site	Hillside lower site
ĺ	+	ò	2 2	61	8	51	5	53	*	52	56	51 ·	80 7	б Н	30	5	32	٢	3
	·									(33)								

* No mark ; inside the model area, \bigcirc ; outside the model area

.

(2-3)		Remarks				pH5.8 (A, horizon)			······	pH6.5 (B, horizon)					pH6.3 (A ₁ horizon)			pH5.6 (B ₁ horizon)	
		Root	Соттол	Соттол	Соттор	Common	Common	Many	Common	Соттол	Common	Малу	Common	Common	Соттоп	Many	_	Соттол	Many
	Mycor- rhiza & mycol-	щ	I	I	I	1	1	I	1	ł	I	t	ł	I	í	I		I	ł
	Leach- ing &	lation	1	à	1	(Fe con- cretion)	1	1	1	1	1	3	1	1	1	I		l :	l
-	Moisa	ture	Dry to moist	Dry~ Dry to moist	Dry	Dry to moist	Dry to moist	Dry	Dry~ Dry to moist	Dry~ Dry to moist	Dry to moist	Dry to moist	Dry to moist	Moist	Dry	Dry		Dry~ Dry to moist	Dry~ Dry to moist
		Hardness	27~31	23~31	31~34	29~32	26~30	27~34	29~33	25~32	25~31	25~29	18~27	17~26	33~34	29~33		29~32	31~32
		Content	1	I	Соттол	(Santy)	Scanty	t	i	1	I	t	Î	l	(Scanty)	(Scanty)		(Scanty)	I
	Gravel	Wcathering	1	1	Strong	(Strong Weathered)	Weathered	1	I	1	1	1	1		(Weathored)	(Weathered)	· · ·	.(Weatherod)	3
		Form & size	I	i	Rounded. Fine~Small	(Rounded, Fine)	Rounded, Small	1	1	1	t	1	1	1	(Rounded, Fine)	(Rounded, Fine)		(Rounded~ Subangler, Fine)	1
Table-7		Structure	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Clumo, Blocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky
		Texture	Clay	Clay	Sandy	Clay	Clay	Clay	Clay	Clay∼ Clay loam	Clay	Clay	Clay loam ~Clay	Clay	Clay	Clay	Clay~ Sandy clay	Clay	Clay
		Humus	Scanty	Abundant	Scanty	Abundant ~common	Scanty	Abundant	Comnon	Scanty	Abundant	Common	Abundant ~Common	Common	Very abundant	Abundant	Abundant	Abundant	Common
		Color	2.5YR 3/2~2.5YR-10R - 3/6	2,5YR 2/2~3/6	5YR 5/1-2~7.5YR 4-5/6	7.5YR 3/2~5YR 3/4	S YR 4/2~4/8	.5YR 4/2~4/3-4	7.5YR 4/2~5YR 4/6	SYR 4/2~4/8	SYR 3/2~2/4	5YR 2/3~4/8	2.5YR 3/3~10R 3/3	10R-2.5YR 3/3~10R 3/34	7.5YR 2/1~3/3	7.5YR 2/1~5YR 3/3	7.5YR 1.7-2/1~5YR 3/4	75.YR 2/1~%YR 4/6	5YR 2/1-2~2.5-5YR 3/6
		(m)	more than 1.0	more than 1.0	0.35	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0
		soil	Nerf	Be-r	Be-I	Bo-r	Nc - f	Be-r	4	Nc - f	Ne-f	ភ្	Ne - s	Ne-s	Be-c	Be - c	Ļ.	3	Ľ
	Incli	μ	ø	13	16 1	18	<i>2</i> 0	10	32	10	0	0	Pr4	0	~	18	14	0	∞
		Location & topography	Uplant upper site (flat)	Upland upper site (flat	Hill top	Hillside Iower site (rill head)	Hill slope middle site	Upland upper site (shallow rill)	Hillside middle site	Hill stope upper site	Upland upper site (flat)	Upland upper site (flat)	Upland upper site (flat)	Upland upper site (flat)	Spur deposit site	Spur deposit site	Hill slope middle site	Upland upper site (flat)	Upland upper sit (flat)
i		o'Z	35	36	37	ŝ	56	4	4	42	43	4 4	54 54	46	47	48	49	50	51

 ${\boldsymbol *}$ No mark ; inside the model area, $\, \, {\boldsymbol \bigcirc}$: outside the model area

(5-4)		Remarks		pH5.6 (A, horizon)	Exist Boulder	pH6.4 (A, horizon)		pH5.8 (A, horizon)	pHS.8	pHS.4, 6.3 (A. B. horizo horizon)	pH5.5, 6.3 (A, ·B, (horizon)
		Raot	Соттоп	Many 1	Many	Common	Many	Many	Сотпол	ACE Note	Common
	Mycor- rhiza &	ium ium	1	ı	t	I	1	ı	ŀ	ŧ	i
	Leach- ing &	lation	I	ł	I	1	I	ı	1	1	1
	Može	ture	Dry~ Dry to moist	Dry	Dry	Dry	Dry	Dry	Dry	Dry to moist	Dry~ Moist
		Hardness	24~32	25~32	23~30	26~33	20~32	27~32	25~33	25~29	18~30
		Content	1	Common	Scanty	1	1	ł	ì	I	
	Gravel	Weathering	1	Strong Weathered	Weathered		I	1	I	ŀ	1
		Form & size	3	Rounded. Fine	Subangler, Fine~Small	ł	ļ	I	t	1	i
l'able-/		Structure	Blocky	Blocky	CBlocky	Blocky	Blocky	Blocky	Blocky	Blocky	Blocky
16		Texture	Caly	Clay	Clay	Caly loam~ Clay	Clay	Clay	Clay	Clay	Clay loum∼ Clay
	,	Humus	Соттоп	Very abundant	Very abundant	Abundant	Abundant	Abundant ~Common	Abundant	Commen	Common
		Color	5YR 2/2~2.5YR 3/6	7.5YR 2/1~5YR 3/1	7.5YR 2/1~5YR 2/3	5YR 2/2~2.5YR 3/54	5YR 2/2~2/34	5YR 2/3~2.5YR 3/3	SYR 2/1~2.3/4	more than 5YR 2/2~10R 3/3 1.0	5YR 2/3~2.5YR 3/6
		t nickness (m)	more than 1.0	0.50	0.50	more than 1.0	0.70	more than 1.0	Be-c 0.6 - 1.0	more than 1.0	more than 1.0
-	Type	soll	Nc + ľ	ы	ដា	Ne - f	ដ	Be - C	Be-c	Ne - s	Ne - s
	Incli-	(°C)	-	80 1	32	~	31	5	0	0	o
		Locaung & topogruphy	Upland upper site (tlat)	Spur deposit site	Hillside middle site (flat)	Spur deposit site	Hillside middle site (flat)	Hillside upper sito (flat)	Ridge upper upper site (flat)	Flat	Flat
		No,	52	53	54 24	55	56	57	58	ŝ	8

***** No mark ; inside the model area, \bigcirc : outside the model area

.

(35)

(5-5)	-	Remarks	pH5.5(A,) 6.6(B ₂)	pH5.3(A)	pH6.6(A,) 5.6(B ₂)	pH6.5(A,) 6.7(B,)	pH6.6(A,)	pH5.8(A,)	pH5.8(A,)		pH64(A,)		pH6.4(A1)	· .	pH6.4(A,) 6.3(B.)	pH6.4(B1)			<u>.</u>				pH6.7(A,)	pH6.4(A,)	pH6.6(A,)	pH6.2(A,)	pH6.8(A,)	pH6.2(A1)	4,5	. Ei	••••••••••••••••••••••••••••••••••••••
			Common pH	Common pH		Common bH	·	Common PH		поп		иош		nom				nom			<u> </u>	пот		Hđ	·				PH6.4	non pH6.3	uou
	દસ	r. Root	Сол	Com	Many	Com	Many	Com	Common	Соттол	Many	Common	Common	Common	Соттол	Contmon	Many	Соттоп	Few	Few	Few	Солттоп	Common	Few	Сотноп	Соттоп	Соттоп	Common	Many	Соттол	Соттол
	Mycor- rhiza &		1	1	I	۱ 	1	I		I	1	۱. 	1	1	I 		I	•	1 	í	1	۱ 	1	1	1	i	ï	· •	ł	1	
		Leaching & accumulation	(Mn · Fe mottle)	(Mn · Fe concretion)	(Clay)	I	1	1	(Mn concretion)	1	!	(Mn Te mottle)	1	1	Clay	Gay	1	ï	Clay	(Fe · Mn concretion)	(Fe · Mn concretion)	(Ciay)	(Clay)	(Clay)	(Clay)	(Clay)	(Clay)	Clay	(Clay))	Clay
		Moisture	Moist	Moist	Moist	Dry to moist	Dry	Dry	Dry	Dry	Dry	Moist	Dry to moist	Dry to moist	Dry to moist	, Dry	Dry to moist	Dry	Dry	Dry	Dry	Dry to moist	Dry to moist	Dry to moist	Dry to moist	Dry to moist	Dry to moist	Moist	Moist	Dry to moiet	Dry
		Hardness	29 - 32	24 - 30	2330	25-30	26 - 30	32 - 34	27 - 32	25-32	27-31	28-30	20-32	19-31	22-32		32 - 33	27-31	31-32	26 - 29	28-32	9 - 25	12-26	22 - 32	10-23	24 - 32	25 - 31	24 - 32	22-28	29 - 32	31-33
		Content			Соттол			Scanty	<u> </u>		Abundant										Scanty	. <u>,</u>								Scanty	
	Gravel	Weathering	I	1	Fresh	1	ī	Strongly weathered	ł	i	Fresh	, 1		1	I		1	ł		J	Fresh	1	1	1	1	1		1	t.	Weathered	· · ·
		Size			Fine			Fine			Small										Fine									Fine - Small	
7		Form			Angler			Rounded			Angler										Rounded									Rounded	
Table-7		Structure	Biocky	Biocky	Blocky	Blocky	Nutty,	Nutty	Biocky	Nutty	Nutty, Biocky		Nutty	Biocky	Nutty, Biocky	· ·	Nutty, Biocky	Nutty, Biocky	Biocky	Blocky	Nutty	Biocky	Biocky	Biocky	Biocky	Biocky	Biocky	Nutty, Biocky	Biocky	Biocky	Biocky
		Texture	Clay	Cay	Clay - Clay Ioam	Clay loam	Clay - Clay Ioam	Clay loam	Clay Joam	Clay loam	Clay Joam - Clay	Loam Light Clay loam	Loam	Loam - Clay Ioam	Loam - Clay	Loam - Clay	Loam - Clay	Loam	Loam - Saniv clav	Clay loam	Sandy loam - Clay	Loam - Clay Clay loam	Loam Clay loam	Loam Clay loam	Loam - Clay loam	Clay loam	Гоат	Qay	Clay loam - Clav	Loam - Clay	Clay Ioam - Clay
		Humus	Abundant ~Common	Abundant	Abundant	Common	Abundant	Abundant	Соттоп	Common	Abundant	Abundant	Common	Common	Common	Scanty	Very abundant	Abundant	Сощтол	Common	Abundant	Common	Abundant	Соттоп	Common	Abundant	Common	Abundant	Abundant	Abundant	Abundant
		Color	7.5YR3/2 - 5YR4/4	7.5YR2/2 ~ 7.5YR4/2	7.5YR2-3/1 - 5YR3/6	5YR3/4 - 2.5YR3/6	7.5YR3/2 - 5-7.5YR4/4	SYR3/1 - SYR3/3	7.5YR3/1 - 5YR4/6	7.5YR3/2 - 5YR3/6	SYR2/1 - 5YR3/4	7.5YR2-3/2 - 7.5YR4/4	7.5YR2/1 - 7.5YR4/4	7.5YR2/1 - 7.5YR5/6	5YR3/2 - 2.5-5YR5/8		7.5YR2/1	7.5YR2-3/1 - 7.5YR3/4	7.5YR3/2 - 5YR4/4-5	7.5YR3/1 - 75YR5/4	7.5YR2/2 - 7.5YR4/4-6	2.5YR2/4 - 10R3/4	2.5YR2/3 - 10R-2.5YR3/4	5YR3/3 - 10R3/4	SYR2/4 - 10R3/4	5YR2/2-3 - 10R3/6	5-7.5YR2/2 - 2.5YR4/8	2.5YR2/2-3 - 10R3/3	2.5YR2/2 - 10R3/4	5YR2/1 - 5YR3/4	5YR2/1 - 2.5YR4/6
		Thickness (m)	more than 1.0	more than 1.0	more than 1.0	more than L.Q	more than 10	more than 0.5	more than 0.5	more than 0.5	0.5 - 0.6	more than 0.5	more than 0.6	more than 0.5	more than 0.6	more than 0.6	more than 1.0	more than 0.5	more than 0.5	more than 0.5	more than 0.5	moré than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 1.0	more than 0.8	more than	0.7	more than 0.6
	Type		ßg	U	Nc-f	Nc - 5	Bv	Be	Bg	Вс	Be	Bg	Bc	Be	2	rc	ъ	Bc	Lg	å	បំ	Ne-s	Ne - s	Ne - f	Ne - S	Ne - f	Ne - f	2	Ne - f	Be-c	Ľ
	Inclí-	nation COn	17	0		vi 	13	9	0	9	10	0	m	Ŷ	ø	4	0	0	4	0	0	0	0	0 · ·	0	a	-	R	m	ف	60
		Location & topography	Flat	Flat	Flat	Gentle slope	Hill middle slope	Hill gentle slope	Flat	Hill gentle slope	Hill gentle stope	Flat	Hill gentle slope	Hill gentle slope	Hill gentle slope	Hill gentle slope	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Hill gentle slope	Hill gentle slope	Hill gentle slope
i		, ov	61	62	63	64	3	۲	6	9	٢	8	8	3	®	(*)	3	9 (Ð	(2)	Ð	8	12	\$2	83		ŝ	86	66	80	8

st No mark : inside the model area, O : outside the model area

(36)

Table - 8 Analysis of the Texture and Chemical Property of Typical Soil Type

			Eutric Nitosols		Rendzinas		Eutric Cambisols			Cambisols			Luvisols	
ç	Kemarks	No. 1-10 cm A horizon	30 cm B1 horizon	50 cm B _a horizon	No. 2-10 cm A horizon	No. 3-10 cm A ₁ horizon	25 cm A ₂ horizon	40 cm B, horizon	No. 4-10 cm A ₁ horizon	20 cm A ₁ -B ₁ horizon	50 cm B, horizon	No. 5-10 cm A, horizon	25 cm B, horizon	50 cm B, horizon
Soil	Texture	Clay	Clay	Clay	Clay	Clay	Clay	Clay .	Clay loam	Clay	Clay	Clay	Clay	Clay
ition	Clay	52.18	65.93	71.93	44.68	42,18	51.09	49.59	36.75	56.18	64.25	44.43	85.34	80.84
% Soil Composition	Silt	19.00	15.16	10.25	31.09	31.41	30.25	28.50	34.84	23.75	21.43	31.66	13,18	16.50
% Soi	Sand	28.22	18.91	17.82	24.32	26.41	18.66	21.91	28.41	20.07	14.32	23.91	1.48	2.66
CEC	me/100g	39.85	20.01	17.21	86.79	35.99	36.04	30.33	28.90	17.07	15.02	35.01	20.38	18.13
Ca	tion %	57.55	19.24	16.33	68.04	60.04	62.46	58.72	52.80	10.08	5.13	47.87	21.15	15.40
0g	Na	1	ł	1	1	J			ł	1	I	1	1	ł
n me/10	Mg	ł	I	1	1	I	ł	ł		I	1	i I	I	1
Exch. Cation me/100g	Ga	23.02	3.85	2.81	59.05	21.61	22.51	17.81	15.26	1.72	0.77	16.76	4.31	2.79
Ä	К	ł	I	I	. 1	ł	I	ł		i	۱	1	1	1
Avail.P	ppm	1	ł	. 1	l	Ι.	I	1	1	ł	ł	1	ſ	1
Total C	%	5.14	2.48	1.70	10.48	3.33	2.41	1.68	4.02	0.91	0.64	6.32	1.45	0.69
	1:2KCI	5.30	4.50	4.42	5.54	5.71	5.65	5.58	5.49	4.12	3.89	5,42	3.96	3.89
Ηď	1:2H ₃ O	7.41	5.55	6.04	6.50	7.12	6.37	6.78	6.26	6.02	5.41	6.29	5.66	5.71
Sample	No.		3	'n	4	S	9	Ŀ	8	\$	10	11	12	13
	pitto Id		11		3		10			17			34	

(Note) Analyzed by the Central Forest Res. Lab. and Training Center (RFD).

••

