Appendix

¥.,

Appendix-1. Line of aerial photos and location of photo-mosaics. (page 7)

Table-I-A. Number and line of aerial photos.

 -			N 60	N. 6-1	
No. of line	No. of photo	Sub-total	No of line	No. of photo	Sub-total
L1	1 ~ 35	35	L 20	1 ~ 46	46
L2	1 ~ 35	35	L 21	1 ~ 50	50
L3	1 ~ 35	35	L 22	1 ~ 53	53
L4	1 ~ 39	39	L 23	1 ~ 55	55
L5	1 ~ 40	40	L 24	1 ~ 57	57
L6	1 ~ 41	41	L 25	1 ~ 59	59
L7	1 ~ 39	39	L 26	1 ~ 58	58
F8	1 ~ 39	39	L 27	1 ~ 58	58
L9	1 ~ 38	38	L 28	1 ~ 62	62
L 10	1 ~ 40	40	L 29 I	1 ~ 29	29
L11	1 ~ 40	40	L 29 II	1 ~ 33	33
L12	1 ~ 45	45	L 30	1 ~ 57	57
L12 I	1 ~ 5	5	L 31	1~57	57
L 13	1 ~ 48	48	L 32	1~60	60
L14	1 ~ 45	45	L 33	1 ~ 59	59
L15	1 ~ 45	45	L 34	1 ~ 57	57
L16	1 ~ 44	44	L 35	1 ~ 60	60
L 17	1 ~ 49	49	L 36	1 ~ 58	58
L18	1 ~ 46	46			
L 19	1 ~ 45	45	Total		1, 761

Table-1-B. Relationship between photo-mosaics and topographic maps.

Code No. of photo- mosaic	Code N	Code No. of topo, map				Code No. of photo- mosaic	Code No.	of topo	o. ma	p
1	5676	_	11		N	31	5575 -	- 11		II
2	"	_	"	_	I	32	5675 -	- 11	_	Ш
3	5776	_	Ш	_	N	33	<i>" -</i>	- "	_	п
4	"	_	"	_	I	34	" -	П	_	Ш
5	5676	_	III	_	п	35	<i>"</i> -	. "	_	I
6	, ,	_	11	_	Щ	36	5775 -	_ II	_	Ш
7	"	•	"	_	I	37	<i>"</i> -	. "	_	I
8	5776	_	Ш	_	Ш	38	<i>"</i> –	II	_	Ш
9	,,	_	"	_	П	39	5574 -	I	_	I
10	"		I	_	Ш	40	5674 -	N	_	N
11	5675	-	N	-	I	41	<i>"</i> –	"	_	I
12	"	_	I	_	N	42	<i>"</i> –	I	_	N
13	"		"	-	I	43	<i>"</i> –	"	_	I
14	5775	-	N	-	N	44	5774 -	N	_	N
15	"	_	"	-	I	45	<i>"</i> –	"	_	I
16	"	-	1		N	46	<i>"</i> –	I	-	N
17	5675		N	_	II	47	<i>"</i> -	"	•	I
18	"	_	1	_	Ш	48	5574 -	I	-	I
19	"	_	"	_	11	49	5674 -	N	-	Ш
20	5775	_	Ŋ	-	Ш	50	<i>"</i> –	"	~	II
21	"	_	"	_	I	51	<i>"</i> -	1	-	Ш
22	"	-	I	_	Ш	52	<i>"</i> –	"		п
23	"	-	"	_	ų	53	5774 -	N	_	ш
24	5 6 7 5	_	III	_	N	54	<i>"</i>	"	-	I
25	"	_	"	_	1	55	<i>"</i> -	I	-	ш
26	"	-	I	_	N	56	<i>"</i> –	"	_	п
27	"	-	"	_	ı					
28	5775		Ш	-	N					
29	"	_	"	-	1					1
30			11	_	N	Total	5 6			

1. Aerial Photography:

- 1.1 Planning, comprises selecting flying courses and making work schedule. Flying courses should be arranged and selected on the following basis.
 - a) Flying courses be straight from west to east.
 - b) Flying courses be arranged in such a way to cover prospected areas with the minimum number of photos.
 - c) Flying programs be arranged so as to facilitate such works as the orientation of control points needed for aerial triangulation imaging the requirement of it in the future.

1.2 Aerial photo taking.

Aerial photographing will be carried out to cover the area of approximately $15,000 \text{ Km}^2$.

- Aerial photo scale : 1/20,000 - Photo overlap : 60% ± 5% - Photo sidelap : 30% ± 5%

- Type : vertical, black & white

panchromatic.

1.3 Development and printing.

Development of panchromatic films should be processed in the following manner.

- a) Fixation be conducted perfectly so as to avoid exposing.
- b) Films be sufficiently washed so that no chemicals will remain.
- c) Films be dried quickly and both end of films shall remain more than 1 m before cutting.
- d) Special care be given against shrinkage of films.
- e) Marks of indicators be printed clearly.
- f) The print size be 23 cm x 23 cm.

1.4 Orientation of aerial photos.

Aerial photos will be inspected based on the technical specification.

Special attention shall be given to the following items.

- Sidelap and overlap
- Cloud coverage
- Scale/flight height
- Tilt and grabbing

Each principal point of the aerial photos shall be plotted on the index map.

If the sidelap is less than 25%, an additional flight run shall be done as an insertion of the aerialphoto strip.

If every 5 serial photos are covered with cloud more than 3%, reflight shall be done.

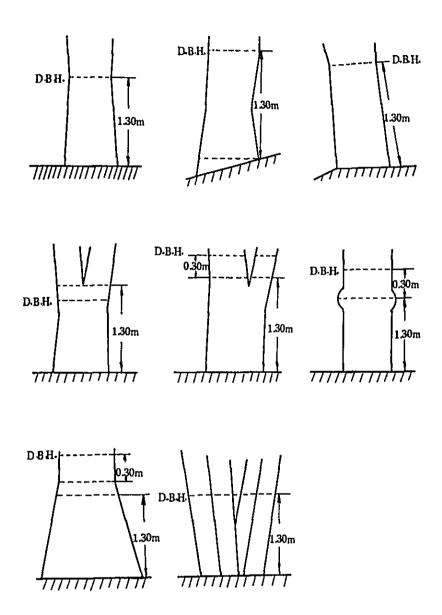
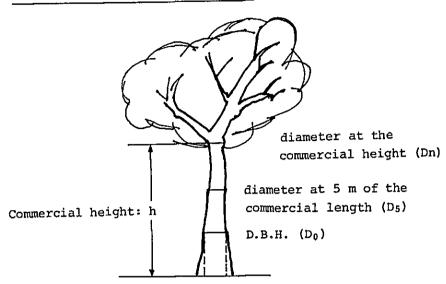
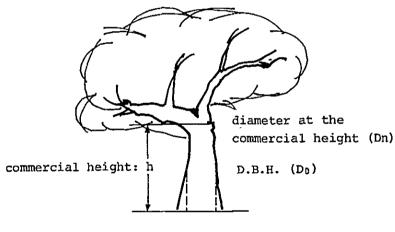


Figure-3-A. Diameter of Breast Height (D.B.H.) in different situation.

Commercial height more than 5 m.



Commercial height less than 5m



where,
$$g_1 = \frac{\pi}{4} Dn^2$$

 $g_5 = \frac{\pi}{4} D_5^2$
 $g_0 = \frac{\pi}{4} D_0^2$

Figure-3-B. Measurement of commercial height.

Appendix-4. Form for noting on the field survey. (page 23)

		ARIO F EN L	ORE: A R	EPÚBI	LICA	LA DEL	ZONA NORESTE PARAGUAY		N*
	M. A. G.	T		S. I	·. N		JIC	A	 -
N° D PARCEL	DE .A	REGI	ÒN				ILUSTRACION		
SUB N' D PARCEL		LUGA	AR .						
TAMAÑO I PARCEL		TIPO BOSQ					-		
FECHA	A	, ANOTA	DOR				,		
N DE ARBOL	ESPECIE	DAP	(1)	URA () TOTAL	DIAME FUST: CM 5M	TRO ECC ALT COM	OBSERVACIONES	VOLUMEN	F.F
1				,					
2				! !			1		
3		1		 		-			
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9				1	-	 		1	
0				1					
1						1	1	1	
2			<u> </u>		-	 	1		
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						-		 	
5			,	-	-	-			
6							·	-	 -
7						-		-+ /	
8			 -	 		-		-+	
9			i 	↓	1	-		1	1
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Appendix-5. List of species by class of utility. (page 33)

[Class A]

Code No.	Local name	Family	Genus
1	Cedro	Meliaceae	Cedrela
2	Guatambú	Dutaceae	Balfourodenoron
3	Incienso	Leguminosae	Myrcarpus
4	Kurupay	Leguminosae	Piptadenia
5	Lapacho	Bignoniaceae	Tabebuia
6	Peterevý	Boraginaceae	Coroia
7	Taperyva Guasu	Leguminosae	Ferreirea
8	Urunde y mí	Anacardiaceae	Astronium
9	Yvyrá ró	Leguminosae	Pterogine

[Class B]

Code No.	Local name	Family	Genus
17	Cancharana	Melraceae	Cabralea
18	Kirandý	Apocynaceae	Aspidosperma quirandy
19	Kurupaý rá	Leguminosae	Piptadenia rigida
20	Laurel aju ý	Lauraceae	Ocotea
21	Laurel guarcá	Lauraceae	Nectandra
22	Tatajyvá	Moraceae	Clorophora
23	Timbó	Leguminosae	Enterolobium
25	Yvyrá pytá	Leguminosae	Peltophorum
26	Peroba	Аросупасеав	Aspidosperma
27	Kurupay curú	Leguminosae	Piptadeniamacrocar

[Class C]

Code No.	Local name	Family	Genus
36	Caroba	Bignoniaceae	Jacaranda
37	Colita	Boraginaceae	Cordia
38	Chipá rupá	Euphorbiaceae	Alchornea
39	Guajayví	Boraginaceae	Patagonula
41	Jata yvá	Leguminosae	Hymenaea
42	Kupa ý	Leguminosae	Copaifera
43	Laurel canela	Lauraceas	Nectandra
47	Laurel	Lauraceae	Nectandra
48	Manduvirá	Leguminosae	Pithecellobium saman
49	Marmelero	Polygonaceae	Ruprechtia
50	Morosyvó	Leguminosae	Plathimenia
51	Tata juvá	Moraceae	Clorophora
52	Urunde y pará	Anacardiaceae	Astonium
53	Yvá ró	Rosaceae	Prumis

Code No.	Local name	Family	Genus
54	Yvopé	Leguminosae	Gleditsia
55	Yvyrá oví	Rutaceae	Helietta
56	Yvyrá pepé	Leguminosae	Holocalyx
57	Zota caballo	Tiliaceae	Luehea spp.
61	Guaingul pire	Polygonaceae	Ruprechtia
62	Guajayví raí	Sapotaceae	Bumelia

[Class D]

,			
Code No.	Local name	Family	Genus
77	Aguaí	Sapotaceae	Chrysophyllum
78	Amba y	Moraceae	Cecropia adenopus
79	Amba ý guasú	Araliaceae	Didymopanax
80	Amores secos	Tiliaceae	Heliocarpus
81	Burro ka á	Flacourtiaceae	Casearia
82	Canelón pytá	Myrsinaceae	Rapanea spp.
84	Cedrillo	Meliaceae	Guarea pohlii
85	Naranja jai	Rutaceae	Citrus
86	Tembetary	Rutaceae	Fagara
89	Jagua rata ý	Sapindaceae	Cupania
92	Kambá a ká	Sterculiaceae	Guazuma ulmifolia
95	Kurupika ý	Euphorbiaceae	Sapium spp.
96	Loro blanco	Malvaceae	Bastardiopsis
97	Marinero	Melzaceae	Guarea
98	Mbavý	Flacourtiaceae	Banra
100	Nuinui ray i	Melraceae	Guarea sp.
101	Pakuri	Guttiserae	Rhoedia
103	Palo amargo	Simarubaceae	Aeschrion sp.
104	Palo blanco	Rubiaceae	Calycophyllum
105	Para para ý	Araliaceae	Pentapanax
107	Pykasú rembiú	Sapotaceae	Chrysophyllum
109	Sapirangy	Apocynaceae	Peschier
110	Tala	-	_
112	Tarumá	Verbenaceae	Vitex
114	Palo vino	Vocsiaceae	Vochysia
116	Ysapy y pyta	Leguminosae	Machaerium
117	Ysy	Nyctaginaceae	Reschembachia
118	Yvá poroitý	Myrtaceae	Myrciaria
120	Yvyrá jú	Leguminosae	Albizzia
121	Yvyrá katú	Annonaceae	Xilopia
122	Yvyrá piú	Sapindaceae	Diatenopteriz
126	Palo haya	Araliaceae	Pentapanax angelicifolium
127	Amba ý rá	Araliaceae	Dendropanax
127	Allina J 14		

Code No.	Local name	Family	Genus
128	Caneló n	Myrsinaceae	Rapanea
129	Taruma guasú	Verbenaceae	Vitex

[Class E]

		· , · · · · · · · · · · · · · · · · · ·	
Code No.	-	Family	Genus
146	Nuati arroyo	Achatocarpaceae	Achatocarpus
148	Aratikú	Annonaceae	Rollinia
150	Chichi ta	Anacardiaceae	Lithraea
153	Ñangapi rý	Myrtaceae	Eugenia
154	Fumobravo	Solanaceae	Solanum sp.
155	Guapo ý	Moraceae	Ficus
156	Guasú mandió	Euphorbiaceae	Mandihot
157	Guavijú	Myrtaceae	Eugenia
158	Guavirá	Myrtaceae	Cubmanesia
159	I ngá	Leguminosae	Inga
160	Kaá rá	Aquifoliaceae	Ilex brevicuspis
161	Jacaratiá	Caricaceae	Jacaratia
162	Jukeri guasú	Legominosae	Acacia
163	Ka á	Aquifoliaceae	Ilex paraguariensis
164	Katıguá	Meliaceae	Trichilia
165	Kurundıý	Ulmaceae	Trema
167	Mborevi ka á	Rubiaceae	Rudgea
168	Molle	-	
172	Nandú apusa	Myrtaceae	Briota
173	Nandypa	Moraceae	Sorocea
174	Nandypa guasú	Rubiaceae	Genipa
180	Ombú	Phytolaccaceae	Phytolacca
182	Pynó guasú	Urticaceae	Urera
183	Rabo itá	Leguminosae	Lonchocarpus sp.
184	Rabo molle	Leguminosae	Lonchocarpus sp.
185	Samu hú	Bombacaceae	Chorisia
186	Sangre de dragón	Euphordiaceae	Croton
188	Tataré	Leguminosae	Pithecellobium scalare
193	Cocotero	Palmaceae	Acrocomia
194	Gallo espuela	_	_
195	Manaue	_	-
196	No identifikado	_	_
197	Noaga	_	_
198	Pindó	Palmaceae	Arecastrom
199	Para todo	Bignoniaceae	Tabebuia .
200	Yusy y	Ulmaceae	Celtia
201	Ysy rá		_
202	Tacuara	_	_
203	Plomo	_	
204	Sanal	_	_
		<u> </u>	

Appendix-6. Number of trees per hectare by species. (page 33)

Species Phot-stratum	A 1	A 2	A 3	M	M 2	М 3	B 1	B 2	E	Mean
Peroba	15. 7	34.0	44.7	9.0	24.6	11.0		6 5	17. 0	23. 1
Class A										
Cedro	20	3.7	4.0	3.3	3.4	1.0	4.5	1.0	20	3.1
Guatambú	7.3	6.0	3.0	1.3	6.0	4.0	1	2.5	5. 5	4.7
Incienso	0.3	0.4	0.7		1.8	4.5		15. 0	0.5	1.8
Kurupay	0.7	3.5	1.0	2.0	1.8	4.0	5, 5	3.5	2.5	2.7
Lapacho	2.0	0.7			1.4		1.5	6.5	2.0	1.3
Peterevý	0.7	1.2	1.3	6.7	2 6	2.0		1.0		1.8
Taperyva guasú	"	2.0	2.3	0.3	4. 6	3.5	1.0	2.0	1.0	2.1
Urunde y mi	0.3	0.1			0. 2	3. 0			ļ	0.3
Yvyrá ró	""	1.0	1.7	0.3		[ļĮ	1.5	0.5	0.6
Class B										
l.	5.0	1.2	17.3	2.7	4.2	3.5	5, 5	0.5	2.0	4.1
Cancharana Kirandý	1.0	1.2	11.0		} "	0.5	1		0.5	0.2
Kurupaý rá	1.0	3. 4	2.3	4 3	5.8	6.0		1.5	1.5	3.3
<u> </u>	0.7	3.4	2.0		0.4	\			ļ	0.1
Laurel aju ý	0.1				0.2		[]			_
Laurel guaica		0.6	2.0	0.3	2.0	2.0			ļ	0.8
Tatajyvá	0.7	0.0	0.7	1.0	0 2	1	1 1)	0.3
Timbó	12.0	4.7	2 0	6.3	8.0	4.5	2.5	3, 5	4.5	5 6
Yvyra pyta	12.0	0.1	0.3	0.5	""				1	0.1
Kurupay curú		0.1	0.3	 		 	-			
Class C		0.2			1.0					0.1
Caroba	1 00	1	1.0	2.0	3.4	ì	} '	1.0	Ì	0.8
Colita	0.3	0.7	12.3	6.7	5. 8			0.5	1.0	3.4
Chipá rupá	3.7	2.0	2 7	0.7	3.0	0.5	2.0	1.0	10.5	4.2
Guajayvi	6.3	4.9			3.4		-			0.2
Jata yvá	0.3	0.3	0.3	37.0	1	1	4.5	11.0	3.5	6.3
Kupa ý	0.3	2.6	2.7	31.0	7.8		15. 5		4.0	3.3
Laurel canela		4.1	0.0	32.3	1	1	l	12.0	10.0	15. 2
Laurel	12.3	11 9	24.0	32.3	į.	l l	l	2.0	1	1.7
Manduvi rá	6.0	[0.7	3. 1	0.2	.				0.2
Marmelero	1.0	0.1	0.3			0.5	1.0	16.0		1.1
Morosyvó) , "	١.,	0.6	1	1	0.5	1	1.3
Tata juvá	1.7	_ I	0.7	3.0	1			25 0		6.6
Urunde y pará	8.3	I .		1	1	1	1		1	1.7
Yvá ró	1.0			6. 3	' 1	' "'	'	1		-
Yvopé		0.1	t .		3 :	,	29.0	3.0	2.0	6.3
Yvyrá oví	4.3	ì		1		[Į		14.0	
Yvyrá pepé	3.0		1	1.0	2.3	۰۱ ۲۰۰۱				-
Zota caballo	1	0.1		1			1	0.5	3.5	0.3
Guaingul pire	0.7	7			_			0.5		0.1
Guajayví raí				+-	0.	" 	_	+		
Class D		-			_ _	2 13.	5	0 :	5 8.0	7.7
Aguaí	9.7					_	1	1.		1 4
Amba ý	4.3	3 0.9			0 0.	a 1.	" 	1	-	0.2
Amba y guasú		0 4				0 1.	5		1.0	
Amores secos	0.:	3 0.2	1.3	7.	3 2.	<u> </u>				

Species Phot-stratum	A 1	A 2	A 3	М	M 2	М 3	B 1	B 2	E	Mean
Burro ka a		0.4	71.0		1.6	1.5		3. 0	<u> </u>	0.7
Canelon pytá	İ	".	}	ł					0.5	_
Cedrillo		0.1	İ		0.6					0.1
Naranja jai		0.2		0.3	1.8					0.4
Tembetary	0.3	1.0	0.7	0.3	3.4	0.5	Ì]	1.0
Jagua rata ý	6.7	0.9	2.3	1.0	2.0		0.5		3.0	1.8
Kambá a ká	0.3	0.3	0.7	3.7						0.5
Kurupika ý	0.3	0.1	İ	,		i	0.5		0.5	0.1
Loro blanco	2.7	0. 5	1.0	1.7	0.6	0.5		0.5	0.5	0.8
Marinero	3 0	4.0	25. 7	12.0	9. 6	19. 0			5. 0	8. 1
Mbavý	5. 3	8.5	13. 0	4.7	3. 6	18. 5	1.5	2.5	11.5	7.5
Nuinui ray í	0.7	1.3	2, 0	7.0	2. 2				1.5	1.8
Pakurí	1. 3	26. 5	23.0		24.8	19.0			10.5	16.3
Palo amargo		0.1								-
Palo blanco	6.3	2.3	1.7	0.7	1. 0	3.5			1.5	2.0
Para para ý	0.7	0.3	0.3		0.2					0.2
Pykasú rembiú	1.7	1.0	8.7		6. 6	6.0		1.0		2.8
Sapi rangy		0.8		0.3	0.6			1.0	2.0	0.6
Tala		0.3	1]		1.0			0.5	0.2
Tarumá	2. 3	1.0	1.3	2.3	2.4	1.0		2.0	1.0	1.5
Palo vino			2.0	0.3			2.5	26. 0		2.0
Ysapy ý pytá	3.0	3.6	1.3	10.7	3.8	2.5	2.5	2.0	2.5	3.7
Ysý	23	8. 5	15. 7	3. 3	12. 4	21.0		6. 0	0.5	8.3
Yvá poroitý	14. 0	20.6	14.3	21.7	54. 4	12.0	10.0	89. 5	125. 5	34. 4
Yvyrá jú	1.7	2. 1		5. 7	0.8	2.5			0.5	1.7
Yvyrá katú	0.3		4.0		1.2	9.5]			1.2
Yvyrá piú .	26.3	25. 1	17.7	0.7	21. 2	12.5		3.5	20.0	17.6
Palo haya		0.2	0.3		0.8	0.5				0.3
Amba ý rá	1.0	0.9	1.3						ļ	0.5
Canelon	2.0	2.6	10.3	0.3	1.4	2.0		3.5	1.0	2.6
Taruma guasu		0.2						1.5		0.2
Class E	i				_					
Nuati arroyo	0.7	0.3	0.7					3.0]	0.4
Aratikú	5. 3	0. 2		4.3	1.0	0.5		1.5		1.3
Chichita									2.0	0. 1
Ñangapiry	7. 0	10.4	10.7	3.3	18.6	6.0	167.5	23.0	12.5	21.2
Fumo bravo		0.9	0.7	1.3	0.4		1.5	0.5	2.0	0.8
Guapo ý		1. 1	1.0		1.2	0.5			1.0	0.7
Guasú mandió						0.5				
Guavı ju) 1		2. 0				1	0.3
Guavira	2. 0	2.8	5. 0	0.3	3. 0	1.0		1.5	4.0	2.4
I ngá	2, 3	3.7	1.0	1.7	1. 2	1.5		6, 0	1.5	2.4
Kaá rá			0.3	ļ		;			1	
Jacaratiá	8, 3	4. 6	07	5. 7	1.2	3.0			2.5	3, 6
Jukerí guasú	4. 7	2. 6	4.7	2.0		3.0				1.7
Ka á	1.3		16.3	0.3			10.0	0.5		1.3

Species Phot-stratum	A 1	A 2	A 3	M	M 2	М 3	B 1	B 2	Е	Mean
Katiguá	16. 7	13.3		7.3	5. 8	8.0		1.5	6.5	9.8
Kurundiý	0.3	0.1	5. 7	0.3]	10.5]]	0.8
Mborevi ka a	3.3	4.7		4.0	12.2	8.0	2.5	36. 5	0.5	7.6
Molle	ŀ		-		0.2		!			-
Ñandú apusa	0.7	0. 2	3.3					0.5		0.2
Na ndypá	3.0	1.5		1.0	1.0	0.5	0.5	0.5	1.5	1.5
Namdypá guasú		0.3		0.7			1			0.2
Ombú	8.7	2.3	0.7	13.0	8.4	3.0	1		1.0	4.4
Pynó guasú	0.3	1.0		3. 3	8.2	1.5	1		6.5	2, 4
Rabo itá	0.3	0.9	0.6		3. 2	0.5	-			0.9
Rabo molle	9	0.1			0.6		I			0.1
Samu hứ		5. 5]	1.0	0.4	1.0	ì			1. 9
Sangre de dragón	10.7	5. 7	2. 0		2.6					3.4
Tataré				1.0			32.0	12.5		2.9
Cocotero	0.3			0.7				1.5		0. 2
Gallo espuela	i		0.3	Ì						_
Manaue				1	1	<u> </u>		6. 0	<u> </u>	0.4
No identifikado	13. 3	7.0	19. 0	8.0	5. 8	18.5	13. 0	15. 0	2.5	9. 9
Noaga	2.3	1.6	1.0	0.7	26	1.5		9. 5		2.0
Pindó	4.3	1.6	8. 7	25. 3	20.8	43.0	84.5	2.0	3.5	15. 7
Para todo								12.5		0.8
Yusy ý	4.0	0.7	1	2.7	3.2	2.5			1.0	1.4
Ysy rá		0.1]	0.2	1.0				0.2
Tacuara										0.1
Plomo		0.1								
Sañal	_	0.1		0.7		<u> </u>				0.1
Total	295. 3	306. 9	389.7	321. 7	380. 2	337.0	429.0	396.0	343. 0	343. 8

Appendix-7. Number of trees in detail. (page 35)

Table-7-A. Number of trees by species and by sample plot. (1)	_
Number of trees by species and by sample plot.	H
Number of trees by species and by sample	_
Number of trees by species and by sample	plot.
Number of trees by species and	
Number of trees by	þq
Number of trees by	and
Number of trees by	species
Number of trees	ğ
Number	trees
Number	Jo
Table-7-A.	Number
	Table-7-A.

																		_				┰	Т											
Total		740		66	149	26	98	40	27	99	6	ន		131	ເດ	104	4	-	13	2	178	7		64 ;	\$	110	133		g :	100	486	, g	<i>D</i>	32
32	A3	43		2	8		-		m	ભ		77		19		m						1	1	•	י כיי	6	N				27			
31	A2 .	83		11	12	-	=	2			_	9	_	_		C)			=		<u> </u>					· 0			.,		_	~		
30	A2	32		2	00		8		¢)	_		~		ന		ત					9					* •	~				7			
8	A2	20			10	~	N	-	-	~				23		72			-							L.S		<u>.</u>	m (
82	A2	36		2						₹			٦			ς,	-				~ 								<u>თ</u>		ର			
27	A2	-		9	6				2	~	_	<u></u>								~	11		I				~		4	35	2			
26	M2	ध		5	2	63	_			Ŋ				15			N				-				m	ري 	-		9		=	-	<u> </u>	
S	B2	12		2	ß	-		~		_	_		1			m					₹				_	_	0	_	07		14			
24	A2	59		1	12		9									4			2		6			~	~	-	→			_	유 —			
8	B			4			N	ო		П				=							2						4		-		6			~
B	ш	18	П	4	6		4	4		н				4	-	-					9					7	16		- 1	20	15			
12	BI	_		2			6			г										·	ന								0	∞	46			
8	MZ	31			8		Ξ	9	S	က				44		œ					S)					2	2			7	6			
61	M3	22		2		2			က	-				7		~					2		1			1	-				6	7		
18	M3				80	7	œ		н	9	9					10			4		2					-			S		*	က		-
=	Σ	ez	- 	2			, 5		7	-		7				6				က	m								I		16	10		
19	M2	63			22		-	-	8	4				87		9				1	7		1			2	12		-		S			
35	M2	7		3	н	9				4						ন					14				2		9		7	18	7			
7	M2			6	က		9		κɔ	7	~					13		1	10		13					5			9		7	1		
13	Z	17		9	4		7-4		13					9		n			7		16				9	ន			2		29	-		
12	Z			2										-		7							Į						108		22			
Ξ	A2	21		6				7	4	1				9		90			7	1	23						1	-	က		32	က		
2	A3	99		2	9	2	2			4				10		67			ß	1	4	$ \top $			-	7	9		m		16		1	
6	A2	88		1	1		4	7								87					7		1			7	က		-		14	63		
∞	A1	;		5	16			4	1		7			12	N	1				1	27		Ì		_	Ξ	ß		-		24	4	-	
-	A2	8			80	62	20		-							8								_	_		19		N		23		-	_
9	ы	16			2	_	-			-		1				2	_				m	T					S				Ŋ	2		
2	A1	22			9	-	П	67	1					3			ı				₹						13	_			π	6	7	
4	A3	Ю		3	-				П	П		es		ß		67			-	П	6	-	7			56		-	ß		ଷ	60		
60	B2	1				23	7	9	7	ť		3									က	7	1		-				12		10	77		32
2	41	14		1					_						-	8	-			1	11	1	7				П	-	_		8	'n		
-	A2	32		2				1		•						7			~		S	1				7	ĸ		8				<u> </u>	
Sample plot No.	Species Photo-stratum		A		ın bú	180	ay.	or	,v,	Tape ryva guasú	y mi	ro	В	rana	*	aý rá	Laurel aju ý	Laurel guancá	٠٧٩	<u> </u>	py tá	Kurupay curu	U			rupá	- -	-A.		Laurel canela	-	irá	lero	
Sample	Species P	Peroba	Class A	Cedro	Guatambú	Incienso	Kurupay	Lapacho	Peterevý	Тарел	Urunde y mi	Yvyra ro	Class B	Cancharana	Kirandý	Kurupaý	Laure	Laure	Tatajyvá	Tımbé	Yvyra pytá	Kurupa	Class C	Caroba	Colita	Chipa	Guajayví	Jata yvá	Kupa y	Laurel	Laurel	Manduvirá	Marmelero	Morosyvó

Table-7-A. Number of trees by species and by sample plot. (2)

$\overline{}$	_	_																																
Total		41	212	23	-	202	97	-	10	က		246	44	S	44	21	-	4	12	32	26	17	4	77	258	240	56	521	-i	64	7	88	18	6
32	A3	-	9	-		1	2	-				13		1	N				_		-	-			01	18	-	₽	_			6		
31	A2		9	_		9	12					14	4	-					_	က	m				_	7	7			_			83	1
8	A2	2	-				~					5	-								83							Ξ				-	_	
23	A2		က				**					Ξ	_		T				1		-	•			-	7		31		_				_
82	A2		9	-	,		9	-			Γ	9	-			7									~4	4		42		_			2	
27	A2	-	14			8	₹"					14		-							8	m				13		ğ		_			8	1
26	M2		4			2						I			4			ო			9							8				ო	_	
ĸ	B2		7		•	9	_			1	_	-				4								~		-				_			67	
ĸ	A2		e	8							Г	2		1		ო		-			-				-	12	_	ß			7			
83	B1					6							-1,								·			•		61				_				
22	3		6			4	16					6	_				Т				က				m	83		21					4	=
21	31					18					Γ										-		-			1								
20	M2	2	2	7			4					ᄗ													24	63	•	33			-		-	_
19	M3			1			67			•		6	87		က									m	36	91		8		9				
18	M3	4	S									81				က				1					2	ដ	_			~		12		N
17	×	8					 1					13	2		18				1			11			25	11	~			8				
16	M2					1	ď					12	ī		4				6	6				က		г				m		13		
15	M2	1	20			13	က			2		5	ī							7					S	10	က	72						
14	MZ		œ				c)				Γ	æ	-		N	80				9	4				19	4	ဆ	1		~		17	~	
13	M	1	S	19		ო	87					8	10		4					-	က			ß	11	က	20						m	
12	M					ន																												
11	A2	12	17	3			1					15	Т		_				-	-				•	33	16		20		_	ī			
11	A3		2	1		2	ιΩ					9	1		2					2	2			1	44	16				3	ī	16		
6	A2		က	1			**					~			-										1	16	S.	22		7				
8	A1	3	15	3		-			-			7	1		1						19		1	က	9	11	8	က		-	81			
7	A2		7			37	~					8	-	-						1				7	87	7			-	17		9		
9	3	2	1				12		7			7			N						က		1	-	7	1	က			m		*		
5	A1		က				S					4	_											ů	3	ო		-		~		2		
4	A3	1	14	13		-						E	-								4	-		N	Ø	ß	ß	26				-		
3	B2	I	48				·		_				'n			8								•		4	•					23		
2	A1	2	7			12	4		87			14	12							1	-	-		•		8				17				
1	A2		က	-	-	4	-	•				10	-							ស				က		cv				₹		6		-
Sample Plot No.	Species Photo-stratum	Tata juvá	Urunde y para	Yva ro		Yvyra ovi	Yvyrá pepé		Guaingul pire	Guajayvî raî	Class D	Aguaí	Amba ý	Amba ý guasú	Amores secos	Burro ka å	Canelon pyta	Cedrillo	Naranja jai	Tembetary	Jagua rata ý	Kambá a ká	Kurupika ý	Loro blanco	Marinero	Mbavy	Numui ray i	Pakuri	Palo amargo	Palo blanco	Para para y	Pykasi rembiú	Sapirangé	Tala

48 64 1119 266 1,102 53 38 563 8 16 8 84 Total 12 3 2 2 8 _ _ 14 32 8 **8** 6 3.3 6 7 3 <u>د</u> ي m 9 13 6 2 8 2 - 2 1 1 20 6 8 6 81 5 9 য় ю - - 2 8 14 2 15 27 2 ~ 7 8 A2 23 2 22 <u>.</u> 5 4 35 41 ĸ 47 8 4 83 8 1 71 m 179 ĸ Table-7-A. Number of trees by species and by sample plot. (3) N 3 2 16 5 7 1 5 12 3 2 24 13 _ 3 151 ន 4 0 _ N S 13 8 E ~ N 184 12 7 2 6 5 12 911 15 -4 8 8 ន МЗ 100 2 S 21 21 16 2 # 2 12 19 1 18 E 55 3 ጟ 12 13 17 17 16 M2 13 € 9 2 4 co 2 15 6 2 -23 4 12 M2 4 ≒ 8 8 2 3 S ന 2 n 4 N 13 თ თ 12 9 9 12 15 10 ß 12 33 Ξ **\$** 23 13 ധസ 7 46 က 10 \$ 9 7 8 2 -34 ~ 2 16 2 2 - 2 3 윾 3 _ 5 7 19 2 1 5 7 1 2 2 ន œ eo =-7 8 4 5 T 6 - -- 22 -∞ ~ 9 28 N -4 rs 63 8 m **₽** − 4 8 ы 4 12 -9 8 6 Ø 2 -Ø 7 33 Ø # ~ ~ 2 1 1 7 12 1 1 1 1 18 = = = 14 N 82 12 m 8 2 က -- -2 3 S 6 12 c) A1 -11 A2 10 22 **ማ** ⊶ ĸ ecies Photo-stratum Guapo ý Guasú mandió Ysapy ý pytá Ysý Yvá porottý Sample Plot No. Taruma guasu Nandú apusa Nandypá Nuati arroyo Mboreví ka á Yvyrá jů Yvyrá katů Fumo bravo Jukerí guasú Amba 🖇 rá Palo haya Chichtta Nangapirs Palo vino Yvyrá piú Jacaratiá Kurundiý Tarumá Canelon Class E Aratik Guavi jú Guavirá Katiguá Molle I ngá Kaa'

251 348 11,000 2 32 466 42 31 œ A2 8 17 27 344 190 53 A2 10 23 A2 682 8 8 12 A2 447 27 - 33 -M2 988 26 13 2 426 B2 গ্ন 19 Table-7-A. Number of trees by species and by sample plot. (4) 982 A2 3 3 - 5 8 2 ន B1 429 34 123 909 ង ធ 339 굥 83 46 2 M2 2 9 354 341 20 19 2 2 2 320 18 33 8 304 2 39 10 က 2 17 Σ 8 10 9 M2 16 31 10 16 352 N 9 M2 398 424 15 M2 to 63 **= E** # 2 8 8 321 13 M 16 1 2 340 12 m ጀ 383 A2 N 11 9 368 A3 9 312 A2 Ø 15 A1 402 32 32 7 3 œ 180 346 7 9 2 5 8 Ø 臼 263 m 9 A1 Ξ r 372 453 A3 47 19 11 61 83 82 A1 B2 Si co 12 r. 221 12 15 7 Species Photo-stratum A2 12 221 8 1 ð Sangre de dragón Tataré No identifikado Namdypa guasú Ombí Sample Plot No. guasú Gallo espuela Rabo molle Cocatero Para todo Rabo itá Samu hu Yusy ý Ysy rá Tacuara Plomo Total Manaue Noaga Pindé Pynó Sañal

Total

Table-7-B. Number of trees by sample plot, by diameter class, and by class of utility. (1)

			_		_					
	10-20	21 - 30	31 - 40	41 - 50	51 - 60	61 70	71 – 80	81 - 90	91 - 100 101 -	Total
A	1	1	1							3
В	24	6	5	2	2	2	1			42
C	7	7	3		1					18
D	55	29	13	3						100
E Defec- tive	44	11		2		1				58
Total	131	54	22	7	3	3	1			221

P 2

	10-20	21 - 30	31 — 40	41 — 50	51 — 60	61 70	71 - 80	81 90	91 - 100	101 —	Total
A	2										2
В	26	1	2			ļ				1	30
С	18	4	3	5	1	1 1		[_	32
D	30	23	9	10	3			1			75
E Defec-	58	12	4	1		1					76
tive				3	1	2					6
Total	134	40	18	19	5	4			-	1	221

P 3

	21 - 30	31 40	41 - 50	51 - 60	61 - 70	71 — 80	81-90	91-100 101-	Total
29	15	6							50
4									1 .
65	30	11	2	,					4
			_	1					109
i			_	_					85
	34	'	4	. 2	1				124
215	101	41	11	3	1				372
_	4 65 41 76	4 65 30 41 22 76 34	4 65 30 11 41 22 17 76 34 7	4 65 30 11 2 41 22 17 5 76 34 7 4	4 65 30 11 2 1 41 22 17 5 76 34 7 4 2	4 65 30 11 2 1 41 22 17 5 76 34 7 4 2 1	4 65 30 11 2 1 41 22 17 5 76 34 7 4 2 1	4 65 30 11 2 1 41 22 17 5 76 34 7 4 2 1	4 65 30 11 2 1 41 22 17 5 76 34 7 4 2 1

P 4

	10-20	21 - 30	31-40	41-50	51-60	61-70	71-80	81-90	91-100 1	01 —	Total
Α	5	1	2				-		37 100 1	<u> </u>	
В	21	9	15	6	3			ĺ	!!!		8
С	41	20	18	7]	,	3				54
D	112	49	8	1	!	Î					90
E	82	27	7	,	2	,					171
Defec- tive	6	3	1	1	-	1				i	120
Total	267	109	51	15	5	3					10
						3	3		!		453

-	10-20	21-30	31 - 40	41-50	51-60	61-70	71-80	81 – 90	01 100		
Α	4	1	3	3		01 10	11-00	or _ an	91-100	101 –	Total
В	18	6	5	1	2	,		l .			11
C	16	17	3	2	2	3		1		1	35
D	44	23	14	4							43
E Defec-	62	16	4	2	2						85
tive	1	1	1								86
Total	145	64	30	12	6	4					3
						- 4	L	1	1	1 1	26

Table~7-B. Number of trees by sample plot, by diameter class, and by class of utility. (2)

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100 101-	Total
A	2	1	2		1					6
В	11	4	2]	2	2]]	21
С	20	8	7	1	2	1		i		39
D	35	9	7	3						54
E	44	10	4	1					1	59
Defec- tive	1						ļ			1
Total	113	32	22	5	5	3			1	180

P 7

	10-20	21-30	31-40	41 - 50	51-60	61 – 70	71-80	81-90	91-100	101-	Total
A	11	2	2	2	1	2					20
В	14	3	1	1	2	1		l I			22
C	32	16	9	3	3	1	1				65
ם ו	60	29	16	3	2	ľ		4	ţ	l	110
E	65	12	14	16	11	1	2	1	2		124
Defec- tive	4		1								5
Total	186	62	43	25	19	5	3	11	2		346

P 8

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100 101-	Total
A	11	5	6	3	1		1			27
В	24	10	5	1	1	1	1			43
С	27	24	7	7	3	1				69
D	76	38	7	1	1	1				124
E	93	25	13	1]	l]		132
Defec- tive	2	4			1			<u> </u>		7
Total	233	106	38	13	7	3	2			402

P 9

	10-20	21 - 30	31-40	41 50	51-60	61-70	71-80	81-90	91 — 100	101-	Total
Ý	2	1	1	2	1			}	1		7
В	28	15	12	3	5	3	2		1	1	70
С	15	6	6	2	1						29
D	105	40	14	1				1			160
E Defec-	22	9	8								39
tive	2	1	3		<u> </u>	1	l	<u> </u>	<u> </u>		7
Total	174	72	44	8	5	4	2		2	1	312

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91 – 100	101-	Total
A	6	2	4	2		1	1				16
B	32	17	12	7	6	8	4]] 1	1	88
С	16	12	6	1		1		1		ļ	37
D	77	52	19	3	1	1	2	1			156
E	53	12	1	2	2				ļ		70
Defec-								<u> </u>		1	1
Total	184	95	42	15	9	11	7	2	1	2	368

Table-7-B. Number of trees by sample plot, by diameter class, and by class of utility. (3)

* *											
	10-20	21 - 30	31 40	41 - 50	51 - 60	61 - 70	71 - 80	81 — 90	91-100	101 —	Total
A	7	4	3								14
В	13	6	3	7	6	2			1		38
Ç	31	19	14	2	1	2	2	1			72
D	104	23	16	7	3	2	1	ļ	{		156
E	69	15	7	3			1				95
Defec- tive	6	2	j							_	8
Total	230	69	43	19	10	6	4	1	1		383

P 12

	10-20	21-30	31-40	41 - 50	51-60	61 - 70	71 - 80	81-90	91-100	101-	Total
Α	1	1						_			2
В	1		1								2
c	78	42	22	8	1	1					152
D	72	16									88
E	94	1	ĺ					İ			95
Defec- tive	_ 1	<u> </u>									1
Total	247	60	23	8	1	1					340

P 13

	10-20	21-30	31-40	41-50	51-60	61 - 70	71-80	81 — 90	91-100	101-	Total
A	16	4			·			,			20
В	30	2						1	i		33
С	75	26	9								110
D	57	10	1 }	2				ľ	1		70
E	36	10	3	1]		50
Defec- tive	27	6	5						l		38
Total	241	58	18	3				1			321

P 14

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100 101-	Total
A	11	7	4	8				1		31
В	21	10	2	2	2	, ,			ļ	37
С	14	4	2	1	3	2			ļ	26
D	67	18	14	8	2	1			İ	110
E Defec- tive	149	25	8	5	1	2	1	2	1	194
Total	262	64	30	24	8	5	1	3	1	398

	10-20	21-30	31-40	41-50	51 - 60	61 - 70	71-80	81 - 90	91-100 101-	Total
A	3	5	2	3						
В	6	4	4	5	2	1				13
С	30	24	13	5	4	1			İ	1
D	168	59	10	1					Ì	77
_ E	51	4		1						238
Defec- tive	10	4	1 1	2	1					56
Total	268	100	30		7					18
Total	268	100	30	17	7	2				_ ,

Table-7-B. Number of trees by sample plot, by diameter class, and by class of utility. (4)

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100 101	Total
A	11	10	7	3						31
В	50	14	6	4	3			1	.	78
С	12	9	2	2	1	1	2			29
D	69	20	14	10	2					115
E Defec-	61	28	7	1	1					98
tive	1									1
Total	204	81	36	20	7	1	2	1		352

P 17

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
A	9	3	2	2							16
В	15	4	1	2	2		1				25
С	15	13	5	1	1		1				36
D	75	27	8		:						110
E Defec- tive	83	21	8	,	1			1	1		115
								1			2
Total	197	68	24	6	4		2	2	1		304

P 18

	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	101-	Total
A	16	10	4	4		1	1				36
В	8	6	2	1	1	1				1	20
C	10	6	3	1							20
D	49	21	13	2							85
E Defec-	138	11	3	4	1		1				158
tive			-			1					1
Total	221	54	25	12	2	3	2			1	320

P 19

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
A	2	5				1					8
В	11	3	6	3	4	3	3	1			34
С	15	7	1	2							25
D	117	54	27	8	1	1					208
E	60	6	4	1	1				Į.		72
Defec- tive	5				2						7
Total	210	75	38	14	8	5	3	1			354

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101	Total
A	5	7	3	2	1						18
В	22	5	4	5	4	3	1	1	1		46
С	20	9	5	1		2	1				38
D	118	46	13	2					ĺ		179
E Defec-	37	11	2	2		1					53
tive	1	3		1		1		1			7
Total	203	81	27	13	5	7	2	2	1		341

Table-7-B. Number of trees by sample plot, by diameter class, and by class of utility. (5)

P 21

	10-20	21-30	31 - 40	41-50	51-60	61-70	71-80	81-90	91-100 101-	Total
A	10	2	2							14
В	2	1							ļ	3
С	60	9	3				ļ			72
Ð	10	i					ĺ	İ	}	10
E Defec-	252	30	3	I		l	ļ	1		286
tive	10	3		- 1	1]		ľ		14
Total	344	45	8	1	1				·	399

	1020	21-30	31-40	41 - 50	51 — 60	61-70	71-80	81-90	91-100	101-	Total
A	6	3	7	2	1	1	2				
В	17	6	1	1	3	_	-	, ,	ļ		22 29
С	34	18	11	5	4	1		•			
D	248	68	13	3	1	1	İ	i	ł		73
_E	34	3	}			-			ļ		333
Defec- tive	4	İ	3	3	1			,			37
Total	343	98	35	14	9						12
	المت			14	9	3	2	2			506

P 23

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101	T = 1
A	6	3	1						31 100	101-	Total
В	9	3	1		i			į			10
С	70	9	5	,	ļ	}				I	13
D	20	3	1	_ ^]						85
E	301	23	2	,]		ĺ		į			24
Defec- tive			_	- 1	ĺ	l	İ	İ			327
Total	406	41	10	2	·						ļ
						<u></u>					459

P 24

	10-20	21-30	31-40	41-50	51-60	61 70	71 00			
A	11	5		11 00	21-00	61-70	71-80	81-90	91-100 101-	Total
В	46	15	1	1	1	_		1		20
c	19	6	4	2	4	2	1	1		75
D .	55	6	2							25
E	54	36	7	2	i	ĺ			ĺ	63
Defec- tive	1	3	·	-	ĺ					99
Total	186	71	14	5	5					4
						2	1	2	İ	286

1	10-20	04 00								
<u> </u>	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	01-100/201	
A	7	3	1	2	2	 -		02 50	91-100 101-	Total
В	8	4	2	2	~	2	4		ĺ	16
C	13	11	3	5	, ,	_	1	1		20
D	124	62	13	,	, ,	2			·	35
E	135	4	1	•	1	İ	İ	ĺ		201
Defec- tive	4	2	_	I	,	.	}			140
Total	291	86	20		 ∔					8
				10	5	6	1	1		420

Table-7-B. Number of trees by sample plot, by diameter class, and by class of utility. (6)

	10-20	21-30	31-40	41-50	51-60	61 – 70	71-80	81-90	91-100	101-	Totai
A	4	3	3	3							13
В	1	4	7	6	9	1	2	1			31
С	11	6	5	5	1	3	1				32
D	71	64	11	6							152
E	83	11	6		1						101
Defec- tive	30	16	6	2	1	2			1		57
Total	200	104	38	22	12	6	3	1			386

	10-20	21-30	31-40	41-50	51-60	61 – 70	71-80	81-90	91-100	101-	Total
A	18	2	2	4	1		_			_	27
В	1			2	7	2					12
C	60	29	7	7	2	1	1				107
D	168	54	18	4		1					245
E	40	5	5	1				1			52
Defec- tive	3		1								4
Total	290	90	33	18	10	4	1	1			447

P 28

_20		_									
	10-20	21-30	31-40	41-50	51-60	61-70	71 - 80	81-90	91 – 100	101 —	Total
A	3			2						-	5
В	16	9	3	5	3	1	1				38
C	21	11	6	2	3	1	3	1			48
D	79	24	10	1	1	1					116
E	57	8	4								69
Defec- tive	6	5	1	1							13
Total	182	7	24	11	7	3	4	1			289

P 29

	10-20	21-30	31-40	41-50	51-60	61 - 70	71 - 80	81-90	91-100	101 —	Total
A	3	6	5	4	1	1			1		21
В	21	12	8	5	5	1	1				53
С	18	2	7	2	1			1			31
D	73	65	13	1							152
E	56	11	3	2							72
Defec- tive	6	5	2	1				1			15
Total	177	101	38	15	7	2	1	2	1		344

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91 – 100	101-	Total
A	10	3	2	1	1						17
В	18	6	1	1	3	2	2	2	1	3	39
c	10	5	2	1							18
D	32	6	6								44
E	34	16	8	3							61
Defec- tive	5	4	1					1			11
Total	109	40	20	6	4	2	2	3	1	3	190

Table-7-B. Number of trees by sample plot, by diameter class, and by class of utility. (7)

						-					
	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101	Total
A	22	7	4	4	4	3			1		45
В	15	7	5	6	2		2	1		1	39
C	25	14	2	2	1	1		1			46
D	42	20	2		1		İ			ĺ	65
E	38	7	6	· 1	1				2		55
Defec- tive	1										1
Total	143	55	19	13	9	4	2	2	3	1	251

P 32

	10-20	21-30	31-40	41-50	51 - 60	61-70	71-80	81-90	91-100	101 —	Total
A	4	2	4	4		1	2				17
В	18	15	9	5	2	1	3	2	3	6	64
C	24	12	7	4	4	1	ļ				52
D	93	37	10	3	1		1			1	145
E	40	15	7	1	1	1					65
Defec- tive	3	1		1			1				5
Total	182	82	37	18	8	4	6	2	3	6	348

Total of sample plots

	10-20	21-30	31 – 40	41-50	51 — 60	61 - 70	71-80	81-90	91-100	101-	Total
A	258	124	84	61	15	12	7	2	3		566
В	551	207	129	85	85	40	26	14	8	15	1,160
С	922	435	207	87	41	28	15	5			1,740
D	2,546	1,017	339	93	19	10	4	1			4,029
E Defec-	2,501	469	156	60	27	9	5	5	6		3,238
tive	140	63	26	15	9	8	j	5		1	267
Total	6, 918	2,315	941	401	196	107	57	32	17	16	11,000

Table-7-C. Number of trees per hectare by photo-strata, by diameter class, and class of utility. (1)

A 1

!	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
A	5. 7	2.0	3.0	2.0	0.3		0.3				13. 3
В	22.7	5. 7	4.0	0.7	1.0	0.7	0.3	0.3	k	0.7	36.0
C	20.3	15. 0	4.3	4.7	2.0	1.7		!			48. 0
D	50.0	28.0	10. 0	5 0	1.3	0.3	!				94.7
E	71.0	17.7	7.0	1.3	0.7	0.3	ŀ			ļ	98.0
Defec- tive	1.0	1.7	0.3	1.0	0.7	0.7					5. 3
Total	170.7	70.0	28.7	14.7	6. 0	3.7	0.7	0.3	0.0	0.7	295. 3

A 2

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
A	3. 8	3.1	2.1	2.0	0.9	0.6		0.1	0.3		17.9
В	19.6	7. 9	4.2	3. 4	3. 9	1.6	1.0	0.4	0, 3	0.5	42.8
C	23.8	11. 5	5. 6	2.1	1.2	0.6	0.7	0. 4			45. 9
D	77.3	29. 6	11. 0	2.0	0.7	0.4	0.1			[121.1
E	47.9	13. 0	6. 2	3.0	1.2	0.2	0.3	0. 2	0.4		72. 4
Defec- tive	3.4	2.0	0.9	0.2		0.1		0.2			6.8
Total	180.8	67. 1	30.0	12.7	7.9	3.5	2.1	1. 3	1.0	0.5	306. 9

A 3

<i>1</i> 2 U											
	10-20	21-30	31-40	41-50	51-60	61 - 70	71-80	81-90	91-100	101-	Total
A	5. 0	1.7	3.3	2.0		0.7	1.0				13. 7
В	23.7	13.7	12.0	6.0	3. 7	3.0	2. 3	0.7	1.3	2.3	68.7
c	27.0	14.7	10.3	4.0	1.3	1.0	1. 0	0.3			59. 7
D	94.0	46. 0	12.3	2.3	0.7	0.7	1.0	0.3		}	157.3
E	58.3	18.0	5.0	1.3	1.7	0.7					85. 0
Defec-	3.0	1.3	0.3	0.3			_			0.3	5 3
Total	211.0	95. 3	43.3	16.0	7.3	6.0	5. 3	1.3	1.3	2.7	389.7

M

1		10 00	01 00	91 40	41 60	E1 C0	C1 20	71 90	81-90	91-100	101	Total
1		10-20	21 — 30	31 - 40	41-50	51-60	61 - 70	71-80	91 - 30	at _ 100	101-	Total
	A	9.7	2.7	0.7	0.7							13. 7
	В	17.7	20	1. 0	0.7	0.7		0.3	0.3			22.7
	C	57.3	27.7	12.3	3.0	0.7	0.3	0.3				101.7
	D	69.7	18.3	3. 3	0 7							92.0
	Ē	71.3	11.0	3.7	0.3	0.3			0.3	0.3		87. 3
	Defec- tive	2.7	0.3	0.7	0.3				0.3			4.3
i	Total	228.3	62.0	21.7	5. 7	1.7	0.3	0.7	1.0	0.3	0.0	321.7

M 2

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81 - 90	91-100	01 —	Total
A	6.8	6. 4	3.8	4.0	0.2			0.2			21.4
В	20.4	7.8	4.6	4.4	4.0	1.0	0.6	0.6	0.2		43. 6
С	17.8	10.8	5. 6	2.8	1.8	1.8	0.8		1		41.4
D	101.8	43. 0	12.8	5. 4	0.8	0.2					164 0
E	77.8	16. 2	4. 6	1.8	0.6	0.6	0. 2	0.4	0.2		102.4
Defec- tive	2.8	1.8	0.8	0.8	0.4	0.6		0.2	Í		7.4
Total	227.4	86.0	32. 2	19. 2	7.8	4.2	1.6	1.4	0.4	0.0	380.2

Table-7-C. Number of trees per hectare by photo-strata, by diameter class, and class of utility. (2)

М 3

ļ	10 20	2I -3 0	31 - 40	41-50	51-60	61-70	71 - 80	81-90	91-100	101 —	Total
A	9.0	7.5	2.0	2 0		1.0	0. 5				22.0
В	9.5	4.5	4.0	2.0	2.5	2.0	1. 5	0.5		0.5	27. 0
С	12.5	6. 5	2.0	1. 5							22, 5
D	83. 0	37. 5	20.0	5. 0	0.5	0.5				ĺĺĺ	146. 5
E Defec-	99.0	8.5	3.5	2. 5	1.0		0. 5				115. 0
tive	2. 5				1.0	0.5		1			4. 0
Total	215, 5	64. 5	31. 5	13. 0	5. 0	4.0	2.5	0.5	0.0	0.5	337. 0

B 1

	,										
	10-20	21-30	31-40	41-50	51-60	61 70	71-80	81 90	91-100	101-	Total
A	8, 5	2.5	1.5								12.5
В	5, 5	2.0	0.5					1			8.0
C	65. 0	9.0	4.0	0. 5						Į,	
D	15. 5	1.5	0.5			-		i		-	78, 5
l E	277.5	26. 5	2.5	1.0		İ					17.5
Defec-	3.0	1.5	2.0	1.0				ĺ			307.5
I					0.5						5. 0
Total	375. 0	43.0	9.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	429.0

B 2

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
A	180	9.0	3.5	1.0	1. 0	0.5				-	
В	6.0	2.0	1.0	1.0		1.0	0.5	٠.		}	33.0
С	39.0	20, 5	7.0	3.5	, ,		0.5	0.5			12.0
D	82.5	42.0		-	1.0	1.0					72.0
E	,		15. 0	3.0	0.5					}	143.0
Defec-	105. 5	19.0	4.0	20	1. 0	0.5					132. 0
tive	2.0	1.0			0.5	0.5	- 1	1			1
Total	253.0	93. 5	30.5	10.5	4.0	3. 5	0.5	0.5	0.0		4.0
						5.0	V. U	V. 3	0.0	0.0	396.0

E

<u> </u>	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Tabel
A	4.0	2.0	4.5	1.0	1.0	0.5	1.0		01 100	101	Total
В	14.0	5. 0	1.5	0.5	2.5	1.0	1.0				14.0
C	27.0	13.0	9.0	3.0	3.0			0.5			25. 0
D	141.5	38.5	10.0	3.0	3. U	1.0					56.0
E	39.0	6, 5	2 0	0.5		0.5		Į			193.5
Defec-	2.5	5.0	- 1	- 1							48.0
			1.5	1.5	0.5			0.5			2.5
Total	228.0	65. 0	28.5	9.5	7.0	3.0	1.0	1.0	0.0	0.0	343.0

Mei_

-	10-20	21-30	01 40	1							
			31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
A	8.2	3 9	2.6	1.9	0.5	0.4	0. 2			101	Total
В	17.5	6.5	4.1	2.7		_	_	0.1	0. 1		17.8
С	29.0				2.7	1.3	0.8	0.4	0.3	0.5	36, 6
_		13.7	6. 5	2, 7	1.3	0.9	0.5	0.2			_
D	80.2	32.1	10.7	2.9	0.6	0.3		V. 2			54.7
E	78.5	14.8	4.9	_		•	0.1	i			127.0
Defec-		_	_	1.9	0.8	0.3	0.2	0.2	0.2		101.6
tive	2.8	1.4	0.6	0.4	0.3	0.3		0.2			101. 0
Total	216.2	72.3	29. 4	12.5				U, Z			5. 9
				14.0	6. 1	3.3	1.8	1.0	0.5	0.5	343. 8

Table-7-D. Number of trees by sample plot and by sub-plot.

		 Photo-		No. of sub-plot											
Codo No.	Field No.	stratum		1	2	3	4	5	6	7	8	9	10		Total
1	2	A2		13	24	17	29	18	22	22	28	24	24		221
2	26	A1		20	21	25	14	20	14	37	24	20	26		221
3	3	B2		51	40	44	47	43	32	28	31	29	27		372
4	6	А3		46	47	50	42	48	39	48	52	37	44		453
5	5	A1		32	28	38	32	42	16	21	14	18	22		263
6	7	E		19	8	16	15	22	16	16	23	23	22		180
7	31	A2		40	28	43	17	42	45	43	26	28	34		346
8	8	A1		29	40	24	50	34	46	48	49	49	33		402
9	9	A2		52	33	21	28	33	18	36	37	34	20		312
10	32	A3		30	33	42	39	43	41	33	39	41	27		368
11	10	A2		40	42	45	34	30	35	37	45	35	40		383
12	12	М		40	42	24	28	41	31	33	30	35	36		340
13	13	М		14	38	37	47	49	38	12	16	42	28		321
14	14	M2		37	66	43	36	32	53	46	34	20	31		398
15	16	M2		34	40	42	35	50	52	42	42	45	42		424
16	17	M2		24	44	34	48	39	32	14	48	35	34		352
17	18	M		37	27	35	38	26	6	21	45	34	35	ŀ	304
18	15	мз		31	41	50	40	27	29	26	24	17	35	Ì	320
19	19	МЗ		44	37	32	35	32	37	27	34	32	44		354
20	24	M2		35	27	35	29	40	33	39	29	27	47		341
21	21	B1		27	38	48	35	43	48	41	32	44	43		399
22	22	E		61	50	43	54	41	40	39	42	55	81		506
23	23	B1		35	36	38	46	55	62	38	41	61	47		459
24	23′	A2		38	45	16	18	23	43	31	17	28	27		286
25	1	B2		34	46	62	47	56	41	33	48	32	21		420
26	33	м2		40	41	57	38	39	50	31	35	19	36		386
27	25	A2	l	29	36	39	49	52	46	49	50	43	54		447
28	24'	A2		29	25	21	25	49	26	39	24	29	22		289
29	28	A2		50	32	31	26	41	37	37	30	36	24		344
30	29	A2		35	19	18	24	18	9	13	14	9	31		190
31	30	A2		19	28	16	18	18	30	28	32	37	25		251
32	34	A3		43	48	30	45	34	38	28	22	33	27		348
														Total	11,000

0.42 3.20 5.22 0.50 2.33 3.69 5.17 0.09 62.47 3.81 0.03 4.12 1.33 1.98 5.32 0.67 2 54 3.48 0 45 0.08 0.89 1.03 4.55 1.35 0.26 0.03 0.32 Volume (m³) Total No. of trees 186 sin hoja sın gajo Table-7-E. Number of defective trees and volume. 50 8 ø sin copa 8 2 - - -Seco **- 2 2 2** 0 m m semi N seco Ø roto 8 podrido inclinado o 4668 8 8 8 8 8 28 hueco descorcha-do curvado Item Code No. Total

Appendix-8. Formulas for calculating thickness of bark. (page 46)

All the volume was calculated without bark. This method and the coefficient by species are according to the FAO report which established four formulas by species, which can be brought together into four groups. The four formulas are as follows;

Group I; y = 0.0236x + 0.0093
Group II; y = 0.0632x + 0.0023
Group III; y = 0.0768x + 0.0013
Group IV; y = 0.0824x + 0.0030
where, y: thickness of bark
x: D.B.H.

In addition, since it is a major feature of the study area, Peroba was calculated with another formula designed specially for Peroba as follows;

Peroba; y = 0.0586x + 0.0221The four groups are as follows;

Code number of species

- Group I: 8,19,25,36,39,41,42,43,47,49,50,52,55,56,57,81,82,84,85,86,89,92,98,101,102,103,104,110,112,116,117,122,129,154,155,156,157,158,161,162,164,165,172,180,182,186
- Group II: 2,3,4,5,6,9,17,18,21,23,27,37,38,48,51,53,54,61,62,
 77,78,80,95,96,97,107,109,114,118,120,121,126,127,
 128,146,148,150,159,160,163,167,168,173,174,183,184,
 187,188,193,194,195,196,197,198,199,200,201,202,203
 204

Group III: 20,79,100,105,153

Group IV: 1, 7,22,91,185

Appendix-9. Volume in detail. (page 48

by sample plot.

species and

rable-9-A. Volume (m3) by

0 12 2 72 2 4 0 92 2.76 30.5 13 65 94 06 32 Y 0 26 0 19 1 83 0 02 1 54 1 19 0 05 9 26 1 51 8 49 0 07 1 55 A 2 98.0 0 30 0 32 60 23 0 31 8 ₹ 0 19 0 25 0 31 য় 3 96 0 21 23 68 4 35 0 92 3 44 0 05 0 19 90 0 0 31 A 2 0 64 0 51 83 0 10 8 46 0 22 0 82 2.67 0 73 A 2 12 64 ន 5 2.86 <u>ส</u> 2.96 0 20 2 60 3 2 2 2 Z 2 0 91 9 51 42 0 97 0.58 97 0 2 45 6+ 0 43 0 47 8 N 2 22 9 0 1 31 91 0 28 28 0 72 0 18 <u>0</u> 0 57 4 69 3 26 14 27 ő 0 25 86 0.54 5.81 0 16 19 26 0 14 0 65 0 12 88 10 0 8 2 2 V 8 26 26 इ 1 91 (7)2 21 0 45 23 B 1 83 0 47 0 79 0 37 22 0 03 0.59 0 81 3 43 1 21 1 58 2 62 1 65 5.50 2.95 20 <u>a</u> 1 05 3 74 3 93 0 31 ង ធ 0 07 2 47 21 91 0 0 18 8 10 0 0 5 8 1 03 0 10 3 51 1 36 0 27 3.53 0 41 88 M 12, 69 0 53 6 70 0 44 1 75 0 13 12 E 18 19 M 3 M 3 3 61 16.39 1 88 8 0 27 1 96 0 48 3 51 0 67 3 8 1 60 0 12 5.03 양 10 2 2 2 01 0 58 3 8 8 8 5. 72 7 . 63 0 91 0 04 0 06 14 15 16 M2 M2 M2 11 26 0 59 96 0 1 75 90 9 0 07 0 43 1 58 0 17 0.23 0 03 0 33 0 81 23 2.31 22 1.67 s 09 ري دي 8 2.21 1.81 0 62 1 77 1 2 59 0 10 2.48 1.65 2 Z 0 18 0 19 0 92 8 1 37 0 26 20 0 19 6.58 25 ଅ ≥ 0 18 20 8 0 24 54 71 01 ν 2 0 11 0 1 18 0 62 2 09 98 2 2 5 3 5 2,35 6 79 0 76 40 68 13 76 89 0 0 88 0 72 0 45 ٨3 3 66 8 3 83 7 63 2 60 19 \$ 23 A 2 12 O 4 08 1 81 40 40 2 28 1 05 1 07 3 73 8 29 0 98 **e**5 1 V 82 54 82 28 2.87 1 55 0 17 3 01 0 02 4 4 55 0 97 0 50 0.21 A 2 28 0 52 2 9 0 0 0 14 2 5.36 120 2.12 900 0 0 0 8 8 8 4 68 0 21 14 190 0 42 93 22 11 18 5 ٧, 0 84 1.50 0 51 6 53 1.11 A 3 6 40 0 46 0 18 0 15 7 42 8 8 0 31 8 2 0 07 2.73 1.10 0.66 0.18 6 0 07 0 73 2.05 0 0 1 03 0 00 2 4 Z 0 02 0 53 0 12 5.63 0.43 61-0 0 0 8 13 12.31 4 0 21 28 1 75 8 6 8 900 Species rtratum Sample plot Taperyva guasú Laurel gualca Laurel aju ý Laurel canela Urunde y m Kurupay eurû Caroba Colita Chipá rupá Guajayví Yvyrá pytá Kurupaý rá Cancharana Perobs Gustambú Yuyra ró Class B Marmelero Incienso Petererý Class A Kurupay Lapacho Tatajyva Manduvirá Kirandy Jata yes Class C Cedro Kupa ∳ Timbó Laurel

30 82 0 09 48.79 0 10 8 65

54 48

19 48 33 81

451

26 64 15 52 19 20 3 79 8 28

10 48 79 15 0 74

22 25 54 37 7 06 71 76 15 19

0 16 0 75

85 85 11.03 3 44

Table-9-A. Volume (m^3) by species and by sample plot. (2)

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Table-9-A. Volume (m^3) by species and by sample plot. (3)

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												Class E																							

Table-9-A. Volume (m^3) by species and by sample plot. (4)

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Sample plot	Rabo its	Rabo molle	Samu hu	Sangre de dragén	Tataré	Cocotero	Callo espuela	Manaue	No identifikado 0 38 0.25 1 12 11.42 0 32 0 14 0 10 2.17 1.49	Noaga	Pindo	Para todo	Yuny ý	Yay ra	Tacuara	РІопо	Sarkal	Sub-total	efectivetree	. Total

Table-9-B. Volume per hectare by species and by photo-strata. (1)

Species Photo- stratum	A 1	A 2	A 3	M	M 2	М 3	B 1	B 2	E	Mean
Peroba	4. 67	20. 23	47. 05	2. 21	9.90	8. 19		7.17	3. 65	14. 1
Class A		10.20	150							
Cedro	0. 20	0.53	1. 49	0.19	0. 73	0. 94	0.28	0.36	0.83	0.6
Guatambú	1. 94	0.94	0.86	0.04	1.81	0 98		0. 23	2.16	1.1
Incienso	0.04	0.10	0.15	"""	0.78	0.37		1. 46	0.12	03
Kurupay	0.05	2 91	2. 20	0.49	1.09	1. 76	0.66	0.55	2.89	1, 7
Lapacho	1. 12	0. 92	2.20	0.45	0.82	1.70	0.27	3. 23	1. 47	0.8
Peterevý	0.44	0. 32	0. 92	1 13	0.91	0.56	0.21	0.09	1.31	0.5
Taperyva guasú	0.42	0.52	1.54	0.01	1 18	0.46	0.02	0. 28	0.16	0.6
Urunde y mi	0. 17	0 00	1.04	0.01	0.18	1. 20	0.02	0.20	0.10	0. 0
Yvyrá ró	0.17	0 39	1. 07	0 02	0.10	1. 20		0. 25	0.31	0.1
Class B		0 35	1.07	0 02			ļ	U. 23	0.31	0. 5
Cancharana	0. 69	0 16	6. 31	0.19	0.91	0.07	0.41	0.01	0.16	
Kırandý	0.03	0 10	0. 31	0.15	0.91	0.87	0.41	0. 21	0.16	1.0
Kurupaý rá		1 17	2.56	0.07	9 00	0.01] ,	0.00	1 00	
Laurel aju ý	0. 23 0. 06	1.17	2.50	0.37	3. 32 0. 06	2.61		0.90	1. 97	1. 52
l	0.00									_
Laurel guaicá Tatajyvá		0.10		0.01	0.02	2.22				_
Timbó	0.05	0.19	1.43	0.01	0.46	0.06) '			0.3
1	2. 25	0.15	0.52	0.19	0.01					0.3
Yvyrá pytá	3, 32	2 76	2.60	1. 49	2 53	4.76	0.38	0.30	2. 89	2.5
Kurupay curú		0.01	0. 21							
Class C							<u> </u>			
Caroba	0.51	0.02								
Colita	0.01	0.02	0.04	0.06	0.03		,	0.01		
Chipá rupá	0.47	0. 17	2 83	0 83	1. 36	0. 07		0.08	0.53	0.7
Gua jayví	1. 97	1. 83	2. 35		2.87	0. 01	0.23	0. 34	3.77	1.7
Jato yvá	0.15	0.52	0.46		. [İ				0.2
Kupa ý	0.06	2.04	2. 73	6, 86	2. 25	0.05	0.43	3.37	1.72	2. 2
Laurel canela		0.59	-		1.09		1. 35		0.60	0.5
Laurel	1. 90	1.53	3. 26	3. 15	0. 95	2.06	1, 46	1.99	1.00	1.8
Manduvi ra	0 79	0 18	0.09	1.30	0.10	0 23		0.35	0.52	0.3
Marmelero	0.57		0. 03		0.31					0.1
Morosyvó	i		ļ	ĺ		0.03	0.38	2. 93		0.2
Tata juvá	0. 23	1.04	0 78	1.21	0.31	0.19		0.51	0.46	0.7
Urunde y pará	3. 37	1.44	2. 02	0.09	1. 69	0.48		1.95	2. 69	1.5
Yvá ró	0.19	0.13	1. 32	0 73	0.12	0.02			ļ	0.3
Yvopė	ļ	0.01	ļ	ļ	,				. 1	~
Yvyrá oví	0. 15	0. 68	0.36	0.34	0.66		0. 93	0.47	0. 27	0.5
Yvyrá pepé	0.81	0.70	0 63	0.05	0. 57	0 10			2, 39	0.6
Zota caballo		0 01	-		(ļ			ļ	
Guaingul pire	0.09							0.02	0.17	_
Guajayvi rai					0.10	l		0.01		
Class D										
Aguaí	0. 60	0.60	0. 69	0. 22	0.45	1.08		0.01	0.47	0.5
Amba ý	0. 26	0 11	0. 05	0 13	0.09	0.05		0.06		0.1
Amba ý guasú		0.09	0.06	İ		i	İ			_
Amores secos	0. 01	0.06	0. 22	0.88	0.30	0.08		1	0.04	0.2

Table-9-B. Volume per hectare by species and by photo-strata. (2)

Species Photo-stratum	A 1	A 2	A 3	M	M 2	М 3	B 1	B 2	Е	Mean
Burro Ka á		0.01			0.04	0.04		0.07		
Canelon pyta	1	ļ			Į				0.06	-
Cedrillo					0.01]	İ			
Naranja ja:	ı	ļ	ļ		0.04	ļ		1	ļ	-
Tembetary	0.02	0.09	0.46	0. 01	0.24	0.01				0.1
Jagua rata ý	0.32	0.18	0. 28	0.02	0.12		0.01	1	0. 26	0.2
Kamba a ka	0.01	0.02	0. 07	0.17	Ì		ļ			_
Kurupika 🗸	0.01	0.01	Ì				0.03		0.02	-
Loro blanco	0.75	0.05	0.23	0.45	0.06	0.49		0.02	0.19	0.2
Marinero	0.44	0.96	4. 61	0.79	1. 53	1. 29			0.49	1.2
Mbavý	0.46	1.07	3. 17	0.75	0.50	3.10	0.04	0.13	1. 45	1.1
Nuinui ray i	0, 01	0.08	0.07	0. 23	0.24			ļ	0.03	0.1
Pakuri	0.03	2.50	3. 02		1. 57	2.44			0.44	1.5
Palo amargo		<u> </u>								-
Palo blanco	4. 16	0.58	1.06	0.13	0.42	2. 25			0.56	0.9
Para para y	0.03	0.03	0.04		0. 01					-
Pykasu rembiu	0. 20	0.03	0.82		0.36	0.19		0.19	ł	0.2
Sapirangy	1	0.04			0.04			0.09	0.13	-
Tala		0.02				0.02			0.01	
Tarumá	0. 43	0.29	0. 05	0.13	0.35	0.01		0.24	0.10	0.2
Palo vino			0. 27	0.03		,	0. 22	5. 05	ļ	0.4
Ysapy y pyta	0.36	0.36	0.12	0.66	0.38	0.08	0.15	0.64	0.37	0.4
Ysyra ju	0.18	1.20	2. 21	0.23	1. 63	3. 22	Ì	1.04	0.01	1.1
Yvá poroitý	1.00	1.70	0.83	0.69	4.36	0.71	0. 44	6. 96	9.67	2.6
Yvyra ju	0.33	0.46		1. 17	0 11	0.34		i	0.05	03
Yvyá katú	0.05		0.39	1	0.31	4. 75	1		ļ	0.4
Yvyá piú	3.05	3. 48	3.32	0. 01	3 96	2. 35		0.89	4.37	2.8
Palo haya	ļ	0.31	0.85	1	0.51	0.01				0.3
Amba y ra	0. 23	0. 03	0. 31					1		0.1
Canelon	0. 21	0. 57	1.56	0.02	0. 21	0.34		0. 24	0.08	0.4
Taruma guasu		0.34						0.48		0.1
Class E	<u> </u>				<u> </u>					
Nuati arroyo	0.03	0.01	0.04					0.16	Ì	-
Aratikú	0.38	0.01		0.47	0.20	0.02	ì	1.01		0.2
Chichita		1		ì	}		Į .		0.07	-
Nangapi rý	0.56	0.60	1.50	0.08	0. 97	1.90	3, 98	0.87	0.63	1.0
Fumo bravo		0.14	0. 17	0.02	0.01		0.04	0.05	0.06	0.1
Guapo ý		0.13	0.50		0.36	0.01			0.06	0.1
Guasú mandió						0.01				-
Guavì jú	1	1			0.19					
Guavirá	0.43	0.39	0.86	0.01	0.41	0.11		0.08	0.40	0.3
I nga	0.45	0, 48	0.42	0.26	0 14	0.15		0. 97	0. 29	0.4
Kaá rá	1		0.02			1				-
Jacaratiá	1.04	0.94	0.39	1.10	0 41	0.17		1	0. 15	
Jukeri guasú	0.31	0.27	0.07	0.10		0.35				0.2
Ka á	0.07		0.38		<u> </u>		0.29	0.02		0.1

Table-9-B. Volume per hectare by species and by photo-strata. (3)

Species Photo-stratum	A 1	A 2	A 3	М	M 2	М 3	B 1	B 2	E	Mean
Katiguá	0.80	0. 55	0.81	0. 23	0 16	0. 22		0.05	0.48	0.4
Kurundıý	0.01	ļ	}	0.01	}	0 28	İ	}		-
Mboreví ka á	0.06	0.13	0.14	0.08	0.27	0. 21	0.03	0.63	0.01	0.2
Molle	}	1	ļ	1	0.02	1	}	1	i	\ -
Nandú apusa	0.03	0.02	Ì	ĺ	1	ĺ	ļ	0.02	ļ	~
Nandypa	0.05	0.03	0.06	0.03	0.02	0. 01	0.01	0.02	0.04	-
Nandypá guasú		0.09		0.06	ł			ļ		_
Ombu	1. 57	0. 61	0.19	0.96	2 04	1.49	}	1	0.35	0.9
Pyno guasu	0.01	0. 03		0.09	0.35	0.03			0. 25	0.1
Rabo itá	0 11	0.12	0.25	Ì	0.70	0.32	Ì)	}	0.2
Rabo molle				}	0.35					0.1
Samu hu	!	3. 99	ì	2.38	1.00	1. 11		Ì	}	1.7
Sangre de dragon	0 95	0. 73	0 24	ł	0.65			!		0.4
Tataré		})	0.04	1]	2.30	1.17	Ì	0.2
Cocotero	0.03			0.12	İ			0.30		[_
Gallo espuela			0.03]]					
Manaue				ļ	i I			0.43	Į i	
No identifikado	0. 91	0.77	4.94	0.31	0.45	1. 20	0. 27	1.06	0. 07	1.1
Noaga	0.33	0. 48	0.32	0.06	0.69	0.39		0.65	[0.4
Pandó	0.64	0. 23	2.23	2.80	2.20	3.17	7, 10	0.05	0.71	1.6
Para todo				{				2.15	į i	0.1
Yusy ý	0.10	0.08		0.09	0.15				0.03	0.1
Ysy rá		i			i	0.24			ļ !	
Tacuara					0.02	0. 22				
Plomo		0.06		ı		,	İ			
Sañal				0.04						_
Sub-total	48.00	68, 58	124.15	37.06	66 73	60. 25	21.71	52.75	53. 11	63. 21
Defective tree	1. 95	1. 55	1. 98	1.70	2. 88	1. 65	0.34	1. 60	4. 28	1. 95
Total	49 95	70.13	126.13	38.76	69. 61	61. 91	22, 05	54.35	57. 39	65. 17

Table-9-C. Volume by sample plot, by diameter class, and by class of utility. (1)

1		and i	by clas	s of w	tility.	(1)				<u>-</u>	
_	10 - 20	21 - 30	31-40	41 - 50	51 - 60	61 - 70	71 - 80	81 90	91 – 100	101~	Total
Λ	0 07	0.13	0.37								0.57
В	0.73	0.89	3. 12	1.13	1.97	3. 30	4. 22			•	15. 35
С	0. 27	0.62	0.63		1.95				ļ	ļ	3.47
D	1.74	2. 83	2.64	1.86			İ		1		9, 06
E Defec- tive	1.09	1. 24		0.87	<u> </u>	1.32				_	0.00
Total	3.90	5, 71	6.76	3.86	3, 91	4.62	4.22			<u> </u>	32.98

٠.						,			T	24 44	200	
ſ		10-20	21 - 30	31 - 40	41 - 50	51-60	61 - 70	71 - 80	81 - 90	91 100	101~	Total
1		0.08										0.08
1			n 10	1.04	,					l	5. 63	7.75
1	В	0.90	0.18	_			1.00		1	1]	7.43
1	С	0. 52	0.74	0. 56	2.67	1.71	1.23				Į.	18.30
	D	1.09	2.92	4.98	5. 77	3. 55	ļ	{		ļ		Į.
	E	2.06	1, 55	1.24	0.39		0.98				•	6. 21
	Defec- tive		1		1.35	1.08	2. 12	<u> </u>				4. 55
	Total	4. 65	5. 38	7.82	10. 18	6. 34	4. 33	<u> </u>	<u> </u>]	5, 63	44. 33

P 3

<u>3</u>	10 - 20	21-30	31 – 40	41 – 50	51-60	61-70	71 - 80	81 - 90	91 - 100	101~	Total
	1. 52	2. 25	1.92	-12 00							5. 68
A	0. 14	2. 20	A. 55				Ì		!		0.14
В		4.54	3, 91	1.69	0, 87						14.01
C	3.01	3,52	5. 69	2.54	0.01]		}		13. 38
D	1.63		2.74	1.88	1.36	1,49					15. 39
E Defec-	2. 80 }	5. 11	2.14	1.00	1.50	1	\	}	1		1
tive		<u> </u>		6.10	0.02	1 40	 	+	 		48.60
Total	9.10	15. 41	14. 26	6.10	2.23	1.49	<u> </u>	<u></u>			130.0

P 4

7	10 00	21 - 30	31-40	41 - 50	51 - 60	61 - 70	71-80	81-90	91 - 100	101~	Total
	10-20			41 50	01 00			-			1.37
A	0 23	0.07	1.08			٠.			·	1	
В	0.95	1.23	6, 39	3.35	3.55	ļ	1	{	,	{	15. 48
			7. 87	3 76		1.39	6, 49				25. 84
C	2. 27	4.07	1.81	l '	İ	İ	0. 10				21.74
I D	6. 51	9.27	2.74	0.66	ļ	2.56	1	ļ	ţ	,	1
E	6. 29	6 23	2.83	0.69	2.53	1.66		1	1		20. 24
Defec-		_						1			1.35
tive	0.28	0.62	0.45	<u> </u>	ļ			├──	 	 	86. 01
Total	16.53	21. 49	21. 35	8.45	6.09	5. 61	6. 49	<u></u>	<u> </u>		80. 01

`—	10-20	21-30	31-40	41 - 50	51 - 60	61-70	71 - 80	81-90	91 - 100 101~	Total
<u> </u>			1. 92	1.89		-	 			4. 14
A.	0. 23	0.10	1		0.04	1.83		3.68	6. 19	18. 28
В	0.54	1.24	1.94	0.82	2.04			0.00		10.16
С	0. 65	2. 23	0.75	0.72	1 74	4.07	1	1		10.31
D	1.82	3, 11	3.42	1.95			1	}		9. 32
E	3.05	2.06	1.00	1. 54	1.68	ļ	ļ		, ,	}
Defec- tive	0.02	0. 13	0.10	1 _				<u> </u>		0. 26
Total	6. 31	8. 87	9. 14	6. 92	5, 46	5. 90		3, 68	6. 19	52.47

Table-9-C. Volume by sample plot, by diameter class, and by class of utility. (2)

	10 - 20	21 - 30	31 – 40	41 – 50	51 - 60	61 - 70	71 – 80	81 - 90	91-100	101~	Total
A	0.09	0. 25	0. 68		0. 61						1.63
В	0.31	0, 60	0.82		1.38	2.71					. 5. 82
C	0.82	1.04	2. 36	0.88	1. 10	0. 54					6.74
D	1.38	1.31	2. 20	1.69						1	6. 58
E	2.15	0. 94	1. 14	0.53					İ		4.76
	0.03				İ	' i					0.03
Τc	4.77	4. 14	7. 20	3.11	3. 10	3. 25	-	_			25. 56

P 7

10 - 20	21 – 30	31 – 40	41-50	51-60	61 - 70	71-80	81-90	91-100	101~	Total
0.44	0. 26	0. 53	1. 32	1. 18	2. 89					6. 61
0. 52	0. 53	0. 50	0.80	2.14	1.50					5. 99
1. 16	2. 13	2.80	1.26	1.35	0.92	2.05	<u> </u>			11. 67
2.44	4.00	4. 05	1.52	1.46			1 1			13, 46
1.71	1.64	4. 74	7. 13	8. 35	1.07	4. 09	1.44	5. 65		35, 83
0.11	ĺ	0. 20			ļ	i				0.32
6.37	8.56	12.82	12.03	14.47	6. 39	6. 15	1.44	5.65		73.88
	0. 44 0. 52 1. 16 2. 44 1. 71 0. 11	0. 44	0.44 0.26 0.53 0.52 0.53 0.50 1.16 2.13 2.80 2.44 4.00 4.05 1.71 1.64 4.74 0.11 0.20	0.44 0.26 0.53 1.32 0.52 0.53 0.50 0.80 1.16 2.13 2.80 1.26 2.44 4.00 4.05 1.52 1.71 1.64 4.74 7.13 0.11 0.20	0.44 0.26 0.53 1.32 1.18 0.52 0.53 0.50 0.80 2.14 1.16 2.13 2.80 1.26 1.35 2.44 4.00 4.05 1.52 1.46 1.71 1.64 4.74 7.13 8.35 0.11 0.20	0.44 0.26 0.53 1.32 1.18 2.89 0.52 0.53 0.50 0.80 2.14 1.50 1.16 2.13 2.80 1.26 1.35 0.92 2.44 4.00 4.05 1.52 1.46 1.71 1.64 4.74 7.13 8.35 1.07 0.11 0.20	0.44 0.26 0.53 1.32 1.18 2.89 0.52 0.53 0.50 0.80 2.14 1.50 1.16 2.13 2.80 1.26 1.35 0.92 2.05 2.44 4.00 4.05 1.52 1.46 1.71 1.64 4.74 7.13 8.35 1.07 4.09 0.11 0.20	0.44 0.26 0.53 1.32 1.18 2.89 0.52 0.53 0.50 0.80 2.14 1.50 1.16 2.13 2.80 1.26 1.35 0.92 2.05 2.44 4.00 4.05 1.52 1.46 1.71 1.64 4.74 7.13 8.35 1.07 4.09 1.44 0.11 0.20	0.44 0.26 0.53 1.32 1.18 2.89 0.52 0.53 0.50 0.80 2.14 1.50 1.16 2.13 2.80 1.26 1.35 0.92 2.05 2.44 4.00 4.05 1.52 1.46 1.71 1.64 4.74 7.13 8.35 1.07 4.09 1.44 5.65 0.11 0.20	0.44 0.26 0.53 1.32 1.18 2.89 0.52 0.53 0.50 0.80 2.14 1.50 1.16 2.13 2.80 1.26 1.35 0.92 2.05 2.44 4.00 4.05 1.52 1.46 1.71 1.64 4.74 7.13 8.35 1.07 4.09 1.44 5.65 0.11 0.20

P 8

	10 - 20	21 - 30	31-40	41 - 50	51-60	61-70	71-80	81 - 90	91 – 100	101~	Total
A	0.37	1.11	2. 19	1.49	0.88		1. 63				7.66
В	0 90	1.62	1. 19	0.30	1. 13	1.48	1. 12			ı	7. 72
С	1. 39	3.82	1.87	3. 72	2.73	1.12					14.64
D	2 90	4.82	1.61	0.41	0 28	0.86					10.87
E Defec-	3 62	3. 20	3.97	0.33							11. 13
tive	0.03	0.48		i	0.52						1.03
Total	9. 22	15. 04	10.82	6. 24	5. 54	3. 45	2,74				53.06

P 9

10-20	21 – 30	31 – 40	41 - 50	51-60	61 - 70	71 - 80	81 - 90	91 - 100	101~	Total
0 13	0 27	0 58	1.64	, i					-	+
1.76	3. 35	6. 10	2.61	7 98	6 27	5 02				6.71
0. 59	1.09				0 17	J. 33		3.54	7. 17	45. 20
5. 80							ĺ			6.12
			1 07	Ì				J		20.41
	i							ĺ		4.52
		1. 18			1.07		ļ			2. 54
9. 18	13. 68	19.40	6 71	7.98	7.84	5. 93		7 62	7 17	85. 51
	0 13 1.76	0 13 0 27 1.76 3.35 0.59 1.09 5.80 7.34 0.85 1.39 0.05 0 24	0 13	0 13	0 13	0 13	0 13 0 27 0 58 1.64 1.76 3.35 6.10 2.61 7.98 6.77 5.93 0.59 1.09 3.05 1.39 5.80 7.34 6.20 1.07 0.85 1.39 2.29 0.05 0.24 1.18	0 13 0 27 0 58 1.64 1.76 3.35 6.10 2.61 7.98 6 77 5.93 0.59 1.09 3.05 1.39 5.80 7.34 6.20 1 07 0 85 1.39 2.29 0.05 0 24 1.18	0 13 0 27 0 58 1.64 1.76 3.35 6.10 2.61 7.98 6 77 5.93 4.08 0.59 1.09 3.05 1.39 5.80 7.34 6.20 1 07 0 85 1.39 2.29 0.05 0 24 1.18 1.07 1.07	0 13 0 27 0 58 1.64 1.76 3.35 6.10 2.61 7.98 6 77 5.93 3.54 7.17 0.59 1.09 3.05 1.39 5.80 7.34 6.20 1 07 6.20 1 07 0.85 1.39 2.29 0.05 0 24 1.18 1.07

						_					
	10-20	21 - 30	31 – 40	41 - 50	51 - 60	61 - 70	71 - 80	81-90	91 – 100	101~	Total
A	0. 24	0 57	2. 26	0.96		4.30	2.36		- 100	101	
В	1. 37	2 67	5. 40	4.99	6.04	1				i	10.69
c	0.78	1.96		_	6. 64	16. 34	10.74		3.47	7.93	59. 56
			2 06	0.48		1. 62		2.01			8.91
D	3 01	9. 07	7.06	1.63	2. 22	1.39	3. 27	1. 62			
E	2. 28	1. 52	0.45	1.06	3. 34			-, 00			29. 27
Defec-											8. 64
Total	7. 68	15 70								3, 48	3.48
10141	1.00	15. 78	17. 23	9. 12	12 20	23 66	16.38	3. 63	3.47	11.41	120. 54
										/ 34	120.04

Table-9-C. Volume by sample plot, by diameter class, and by class of utility. (3)

	10-20	21-30	31 - 40	41 – 50	51 - 60	61 – 70	71 - 80	81 - 90	91 - 100 101~	Total
A	0. 36	0.77	0.78							1.91
В	0.48	1.13	1.50	4. 56	7.18	3. 01			5. 13	22.98
C	1. 72	4.70	6. 52	1.73	1. 19	4.31	4. 65	1.97		26.79
`D	5. 58	3. 64	6. 92	5, 13	3. 13	3. 14	1.86	ļ		29.39
E	3.05	3.09	2.42	2. 24			2.08	ì		12.88
Defec-	0. 26	0. 19			11.		l .			0.45
Total	11.46	13.51	18.13	13.66	11.50	10.47	8. 59	1.97	5. 13	94. 41

P 12

	10 - 20	21 – 30	31 – 40	41-50	51 - 60	61 - 70	71-80	81-90	91 – 100	101~	Total
A	0.06	0.12									0.18
В	0.02		0. 24								0.26
σ	3. 27	5. 83	5. 80	4.81	0. 92	2. 11		ļ		•	22, 74
Œ	2. 32	1.47									3.79
E	6. 74	0.16									6. 90
Defec- tive	0.08							1			0.08
Total	12.48	7.59	6. 05	4 81	0.92	2.11					33.95

P 13

	10-20	21 - 30	31-40	41-50	51-60	61-70	71 - 80	81-90	91 – 100 10	1~	Total
A	0.86	0.84									1. 70
В	1.46	0.33	0.12					2. 32			4.23
C	3.48	5 71	2.88								12.07
D	1.80	1.34	0.51	0.90							4. 55
E	1.45	1.65	0.72	0.18							3.99
Defec- tive	0. 19	0 12	0. 59						l i		0.89
Total	9. 23	10.00	4.81	1.08				2. 32			27.43

P 14

14													
	10-20	21-30	31-40	41 - 50	51-60	61 - 70	71 - 80	81 - 90	91 – 100	101~	Total		
A	0.64	1.30	2. 22	6.81				1.90			12.88		
В	1.20	1.93	0.85	1.77	1.74						7. 50		
C	0.68	0.65	0.99	0.86	2. 67	2.95		,			8.79		
D	2. 94	2 54	4. 78	3. 13	1.54	0 71		}			15. 63		
E Defec- tive	11, 23	2.58	2. 94	3.75	0.68	2. 62	1.40	5. 01	2.55		32.75		
Total	16.69	9.00	11.78	16. 32	6.63	6. 28	1.40	6.91	2. 55		77. 55		

	10 - 20	21 - 30	31-40	41 - 50	51 - 60	61 - 70	71 - 80	81 - 90	91 – 100	101~	Total
A	0.20	1.06	1.00	1.53	-						3.79
В	0.32	0.58	1. 39	3. 26	2.40	1. 22					9. 18
G	1.79	4.73	4. 83	2.96	5. 23	1. 15					20.69
D	7. 17	9. 14	3.03	0. 53							19.88
E	1.50	0.41		0. 56							2.48
Defec- tive	0.31	0.38	0.29	1. 27	1.56						3.81
Total	11. 29	16. 31	10.54	10.12	9, 19	2.37					59.82

Table-9-C. Volume by sample plot, by diameter class, and by class of utility. (4)

	10-20	21 - 30	31 – 40	41-50	51 - 60	61-70	71 - 80	81 - 90	91 – 100	101~	Total
A	1.01	1.89	3. 49	2. 51			<u> </u>				8.90
В	2.47	2.85	2.96	3, 97	3. 33			2. 54			18. 12
C	0.51	1.59	0. 57	1.84	1. 20	1.84	2. 93		[10.48
D	2.44	2. 57	4 08	4.80	1. 26		:	•]]		15. 15
E	3.47	3.49	2.53	0. 38	0.49						10.37
Defec- tive	0.03					ļ	İ				0.03
Total	9. 95	12. 39	13.63	13. 50	6. 27	1.84	2. 93	2. 54			63.05

P 17

	10-20	21 - 30	31-40	41 ~ 50	51 - 60	61 - 70	71 - 80	81-90	91-100 10	1∼ Total
A	0.60	0.68	0. 97	1. 50						3.74
В	0.76	0.80	0.34	1.48	4.05		1.47		}	8.89
С	0. 95	2 49	1.64	0.54	1.43		2. 05			9.11
D	3. 36	4 74	3.82							11.92
E Defec-	4. 37	3. 15	2.48		0.81			2.02	4.30	17.13
tive				0.72	 			3.40	}	4. 12
Total	10.04	11.85	9. 24	4. 24	6. 30		3. 51	5. 42	4.30	54. 91

P 18

	10 20	21 - 30	31 - 40	41 – 50	51-60	61-70	71-80	81-90	91-100	101~	Total
A	0. 57	1.42	1. 24	2.64		2. 15	1.58				9. 59
В	0.33	0.81	0.57	0.69	1.38	0.68				2. 29	6. 75
С	0 46	0.62	0.89	0.78]		1				2, 75
D	1, 69	2.84	3.47	0.83	i]	8.83
E Defec-	7, 84	1.55	1.24	2.44	1.02		2 00]		16.08
tive						1.33				1	1. 33
Total	10.89	7. 24	7.41	7.38	2.40	4. 16	3.57			2. 29	45. 34

P 19

	10-20	21 - 30	31 – 40	41 – 50	51 - 60	61 - 70	71-80	81 - 90	91-100 101~	Total
A.	0.38	0.85				1.71				2.95
В	0 50	0.57	2.64	1.81	4. 12	6.04	6. 43	4. 14		26, 25
С	0. 70	1.46	0.39	1. 18	}		l	}	1	3.74
D	5. 96	9 64	11.56	6. 80	0.99	1.92		Ì]	36. 86
E Defec-	1.71	1.05	2.06	0.75	1.12					6.70
tive	0. 29				1.69			}	1	1.98
Total	9. 54	13 57	16. 65	10.55	7.92	9.67	6. 43	4. 14		78.48

ļ	10-20	21 - 30	31-40	41 - 50	51-60	61 - 70	71-80	81-90	91-100	101~	Total
A	0.41	1 61	1. 22	1.76	1.45						6. 46
В	1. 01	0 78	1.93	4.10	4. 88	4.04	2.03	2.09	2, 60		23.46
С	1. 21	1.41	1.62	0. 53	1	2 80	1.32				8, 89
D	5. 98	7. 61	3.30	0.67							17.56
E Defec-	1 11	1 73	0.49	0. 55	}	1.45		İ			5. 34
tive	0. 02	0. 75		0.41]	0.71]	3. 42			5. 32
Total	9. 75	13.90	8. 56	8. 02	6. 33	9.01	3. 35	5. 51	2.60		67.03

Table-9-C. Volume by sample plot, by diameter class,

P 21	and b	y class	of	utility.	(
1 22					

81-90 91-100	101~	Total 1, 23
		1.23
		1 1
	1	-0. 16
		3. 37
		0.27
ļ		11.47
i _		0.67
		17.17
_		

г	44										
ſ		10 - 20	21 - 30	31-40	41 - 50	51 - 60	61 - 70	71 – 80	81 - 90	91-100 101~	Total
	A	0.28	0, 74	3, 83	1.73	1.02	2 53	4. 14			14. 27
	В	0. 90	0 99	0.39	0.91	4. 58			3.74		11.51
١	c	1. 87	3, 59	4.60	2.86	6. 54	2.01	}	1	1	21.47
	מ	11.74	11.14	4.54	1.81	İ	1.81		ļ		31.04
	E	1. 75	0, 66	"""	1						2.41
	Defec- tive	0.16	0.00	0.85	1.88	1.36		<u> </u>	4. 26		8. 52
	Total	16.70	17.11	14. 22	9. 20	13.50	6. 35	4. 14	8.00	<u> </u>	89. 22

P 23

20									, 		
	10 - 20	21-30	31 - 40	41 - 50	51-60	61 - 70	71 – 80	81 - 90	91 – 100	101~	Total
	0.29	0.52	0.44								1.24
В	0. 52	0.50	0.38		1				1		1.40
C	2.99	1, 25	1, 61	0.35				ľ	i		6. 20
1 1	0 81	0.37	0.34	3.5-	1	1	1	1	}		1.51
D	_	!		0, 29	İ				1	1	16.58
Defec-	13. 19	2.77	0.33	0.23	}			1		l	
tive		<u> </u>		ļ	 	 		 	 	 	00.00
Total	17.79	5, 40	3. 10	0.65	<u> </u>	<u> </u>	<u> </u>	<u></u>			26, 93

P_24

P_Z4								$\overline{}$			
	10 - 20	21 - 30	31 - 40	41 - 50	51 - 60	61 - 70	71 - 80	81 – 90	91 - 100	101~	Tota!
Ā	0. 52	1. 13	0. 57	0.74	1.50			3.29			7.75
B	1. 82	2.89	2.36	1.34	5. 26	3.44	2. 39	3 09	}		22 58
C	0.79	0.74									1.53
D	2.45	0.78	0.69								3 92
E	2. 82	6. 28	2.76	0.88	<u> </u>	<u> </u>	1	1	Ì]	12.74
Defec- tive	0.03	0.40		Ì			<u> </u>	<u> </u>	<u></u>		0.42
Total	8. 42	12.21	6, 39	2, 96	6. 76	3. 44	2. 39	6. 38			48.95

· <u>~</u>						01 70	71-80	81 - 90	91 - 100 101~	Total
}	10 - 20	21 - 30	31 - 40	41-50	51-60	61-70	171-00	101 - 20	191-1001101	
A	0.36	0.58	0.25	1.73	2.63	1.67			1	7.22
В	0.49	0.84	0. 87	1.40		4 68	3. 19	5 38		16. 85
c	0.68	2. 53	1.06	2.08	0.94	2.75	ļ	1	1	10.04
D	5, 80	7, 28	3, 89	0.76	1.09					18 82
E	3. 26	0.29	0.43							3 97
Defec-	0.08	0. 21	• • • •		1.61	1. 29	<u> </u>			3. 20
Total	10.67	11.73	6, 51	5. 97	6. 27	10.40	3. 19	5. 38	<u> </u>	60.10

Table-9-C. Volume by sample plot, by diameter class, and by class of utility. (6)

	10-20	21 - 30	31 - 40	41 – 50	51 - 60	61 – 70	71-80	81 - 90	91 - 100	101~	Total
A	0.43	0.86	1.60	2. 58							5. 47
В	0. 12	0.78	2.67	3. 52	9 82	1. 14	5. 77	4.01			27. 83
C	0. 55	1.30	1. 83	3. 01	0.85	3, 94	1.79				13. 28
D	3.47	9, 61	3.74	4. 18					ļ		21. 01
E	3, 05	2. 11	2. 25		0.37						7.78
Defec- tive	0. 18	0. 31	0 90	0. 35	1. 05	2,44	7				5. 22
Total	7.80	14.97	12.99	13. 65	12.09	7.52	7.57	4.01			80. 59

P 27

	10-20	21 - 30	31-40	41-50	51-60	61-70	71 - 80	81 -90	91-100 101-	Total
A	1. 10	0. 31	0. 71	2.78	1. 52					6.43
В	0.02			1.44	6. 54	2.41]]		10.41
C	3. 36	5. 90	2.88	4.06	1. 97	2.06	2. 71		1	22.95
ם	7.50	9.09	5.94	3.45		2. 10		1	ļ	28.08
E	1. 34	0.90	1.77	0 75				1.97		6.73
Defec- tive	0. 20		0.30	. [l	0.50
Total	13, 52	16 20	11.60	12.49	10.03	6, 58	2.71	1.97		75. 10

P 28

	10-20	21 – 30	31 – 40	41 - 50	51-60	61-70	71-80	81 - 90	91-100	101~	Total
A	0.23			1.57							1.80
В	0. 62	1.77	1.56	3. 39	4. 09	1. 97	0, 78]			14. 18
С	1.04	1.77	1.98	0.71	2.71	0.59	4.74	2.19			15. 74
a	3. 51	3. 20	3. 56	0.49	0.96	2. 33		}			14.05
E	1. 81	1.11	1. 17								4.09
Defec- tive	0. 29	0.89	0. 54	0. 62					1		2.33
Total	7. 50	8 74	8 82	6. 78	7.76	4.88	5. 51	2, 19			52. 19

P 29

	10-20	21-30	31 - 40	41 - 50	51 - 60	61-70	71-80	81 90	91-100	101~	Total
A	0. 15	1.31	3.06	3. 81	1.31	2. 26			3. 26	 -	15. 18
В	1.20	2 86	3 96	4. 33	8 65	1.39	2.63				25. 02
C	1. 23	0.38	2.67	1.09	0.73			1.83			7.93
D	4 11	11.40	6. 05	0.64		·					22. 20
E Defec-	1 87	1 82	1.40	0 63					ļ		5. 72
tive	0.45	0.54	0.65	0. 35				1.70	ļ		3.69
Total	9. 01	18. 31	17.79	10.86	10. 69	3. 64	2. 63	3, 53	3. 26	-	79.74

	10-20	21 – 30	31-40	41-50	51-60	61 - 70	71-80	81-90	91-100	101~	Total
A.	0.75	0 54	0 61	0.85	1.27			<u> </u>			4. 03
В	0. 71	0.87	0.38	0. 62	4. 63	3.94	4, 78	8, 82	8, 59	27.89	61. 23
C	0.42	0 47	0 96	0.46		ĺ .			0.00	21.05	
D	1. 51	0.69	2.72					•			2.31 4.91
E	1. 77	2 54	3.01	1.40		ļ		•			1 -
Defec- tive	0.30	0.49	0.16	,				4. 23			8.72
Total	5. 46	5. 60	7.85	3, 33	5, 90	2.04	4.50				5. 17
				9.00	J. 50	3.94	4. 78	13.04	8.59	27.89	86.38

Table-9-C. Volume by sample plot, by diameter class, and by class of utility. (7)

	10 – 20	21-30	31 – 40	41 – 50	51-60	61 - 70	71 – 80	81-90	91 – 100	101~	Total
A	0.94	1. 10	1.37	2.71	3.90	4. 29	_		2. 76		17, 07
В	0.49	1.41	1.52	4.91	4. 08		3.56	3.46		4. 35	23.77
0.	0.83	1.93	0. 55	2.47	0.67	0.80	'	3.44			10.68
D	1.76	3.66	0. 75		1.04						7. 21
E	2. 10	1.62	1.64	0. 68	1.41				5. 93		13, 39
Defec- tive	0.08					i 1					0.09
Total	6. 20	9.71	5. 84	10.77	11.09	5. 09	3. 56	6. 90	8.69	4. 35	72.20

	10-20	21 - 30	31-40	41 - 50	51-60	61 - 70	71 - 80	81 – 90	91-100	101~	Totai
A	0. 25	0. 37	2.35	4. 56		0.54	4.60				12.67
B	0.78	2.80	3. 18	3.99	1.97	2. 12	11.69	8. 38	11. 25	60.85	107. 01
С	1. 27	2.68	2.75	2.48	5. 45	1. 34					15. 97
D	5. 20	7.15	6, 22	2. 32	0.86		1.55				23. 29
E	2.92	2. 78	3. 28	0. 69	0.22	1.89					11.78
Defec- tive	0. 18	0.07		0. 85							1.10
Total	10. 61	15. 84	17.78	14.89	8. 50	5. 89	17.84	8. 38	11.25	60.58	171. 83

Total of sample plots

	-	7	•								
	10-20	21-30	31-40	41-50	51 - 60	61 - 70	71-80	81-90	91 - 100	101~	Total
A	14. 31	23. 18	37, 75	47. 13	17.27	22. 35	14.30	5. 19	10.11		191. 59
В	24. 37	37. 9 0	56. 32	61.50	105, 54	70.01	66. 73	51.65	34. 59	122.30	630.89
C	42.77	75. 35	73. 37	51.36	43, 94	39. 54	28.74	11.45			366. 52
D	115. 66	158.06	120. 52	55. 56	18. 37	16.82	6.68	1. 62			493. 28
E	112. 83	68.70	53. 92	30.78	23, 38	12.50	9 57	10 43	18 44		340 55
Defec- tive	3. 90	5. 97	6. 21	7. 80	9. 15	8 9 6		17. 01		3.48	62. 47
Total	313. 85	369. 17	348.09	254. 13	217.64	170.17	126. 02	97. 34	63 13	125. 77	2085. 30

Table-9-D. Volume per hectare by photo-strata, by diameter class, and by class of utility. (1)

	4
А	- 1

	10-20	21 - 30	31-40	41 - 50	51-60	61-70	71 - 80	81 — 90	91 - 100	101-	Total
A	0. 22	0.40	1. 37	1. 13	0. 29	-	0.54	}			3.96
В	0 78	1. 01	1. 39	0. 37	1.06	1.10	0.37	1. 23	İ	3.94	11. 25
С	0.85	2. 26	1.06	2. 37	2.06	2 14			}		10. 75
D	1.94	3. 61	3.34	2.71	1. 28	0. 29	ļ			(13. 16
E Defec-	2 71	2. 27	2.07	0.75	0.56	0. 33	i				8. 89
tive	0 02	0. 20	0.03	0. 45	0.53	0.71			ĺ		1. 95
Total	6. 73	9.76	9. 26	7.78	5. 78	4. 56	0. 91	1. 23	0.00	3, 94	49. 95

A 2

	10-20	21-30	31-40	41 - 50	51-60	61 - 70	71-80	8190	91-100	101-	Total
A	0.47	0.58	0.86	1.54	1. 07	0 94	ļ — —	0.33	1.01		6. 81
В	0. 83	1. 57	2. 10	2. 51	5. 25	2.77	2 43	1. 54	1. 73	3. 94	24.67
С	1. 14	1. 97	2. 20	1. 32	1.06	0 87	1.42	0. 94			10.92
D	3. 64	4. 66	3. 95	1. 42	0 66	0. 76	0. 19				15. 27
E Defec-	1 84	2 16	2. 12	1. 46	0.98	0. 24	0.62	0.34	1. 15		10.91
tive	0.18	0. 27	0.30	0.10		0. 11		0.59	ļ		1.55
Total	8.10	11. 22	11. 54	8. 35	9. 01	5. 69	4, 65	3.74	3. 90	3. 94	70.13

A 3

	10-20	21-30	31 – 40	41-50	51-60	61-70	71-80	81-90	91-100	101	Total
A	0. 24	0.33	1.90	1.84		1. 61	2 32				8. 24
В	1.03	2. 23	4. 99	4.11	4 05	6. 15	7. 48	2.79	4. 91	22. 94	60.68
C	1.44	2.90	4. 22	2. 24	1.82	1 45	2.16	0.64			16, 91
D	4. 90	8. 50	5. 34	1. 54	1. 03	1. 32	1.61	0.54	 		24.77
E Defec-	3 83	3 51	2.18	0.82	2.03	1. 19					13.55
tive	0.15	0 23	0.15	0. 28				ı		1. 16	1. 98
Total	11 60	17. 70	18.79	10.82	8. 93	11.72	13. 57	4.00	4. 91	24. 09	126, 13

M

10-20	21-30	31-40	41 - 50	51-60	61 - 70	71-80	81 - 90	01100	101_	Total
0.50	0. 55	0 32	0.50				01 50	31 100	101-	
0.74	0.38	0. 23	0.49	1, 35		0.40	0.77		j	1.87
2.57	4 68	3, 44	1. 78		0.70		0.77			4.46
2 49	2 52	1.44	0.30		3,,0	0.00		i I		14.64
4. 19	1 65	1.06	0.06	0. 27			0.67	1 42		6.76
0.09	0.04	0.20	0. 24				•	1.43		9.34
10.58	9.81	6, 70	3, 38	2.41	0.70	1 17		1 10		1. 70 38. 76
	0.50 0.74 2.57 2.49 4.19 0.09	0.50 0.55 0.74 0.38 2.57 4 68 2 49 2 52 4.19 1 65 0.09 0.04	0.50 0.55 0.32 0.74 0.38 0.23 2.57 4.68 3.44 2.49 2.52 1.44 4.19 1.65 1.06 0.09 0.04 0.20	0.50 0.55 0.32 0.50 0.74 0.38 0.23 0.49 2.57 4.68 3.44 1.78 2.49 2.52 1.44 0.30 4.19 1.65 1.06 0.06 0.09 0.04 0.20 0.24	0.50 0.55 0.32 0.50 0.74 0.38 0.23 0.49 1.35 2.57 4.68 3.44 1.78 0.78 2.49 2.52 1.44 0.30 4.19 1.65 1.06 0.06 0.27 0.09 0.04 0.20 0.24 0.24 0.24	0.50 0.55 0.32 0.50 0.74 0.38 0.23 0.49 1.35 2.57 4.68 3.44 1.78 0.78 0.70 2.49 2.52 1.44 0.30 0.27 0.09 0.04 0.20 0.24	0.50 0.55 0.32 0.50 0.74 0.38 0.23 0.49 1.35 2.57 4.68 3.44 1.78 0.78 0.70 0.68 2.49 2.52 1.44 0.30 0.27 0.09 0.04 0.20 0.24	0.50 0.55 0.32 0.50 0.74 0.38 0.23 0.49 1.35 2.57 4.68 3.44 1.78 0.78 0.70 0.68 2.49 2.52 1.44 0.30 0.27 0.67 0.67 0.09 0.04 0.20 0.24 0.27 0.13 0.67 10.58 0.81 6.70 2.20 0.24 0.40 0.40 0.13	0.50 0.55 0.32 0.50 0.50 0.49 0.77 0.74 0.38 0.23 0.49 1.35 0.49 0.77 2.57 4.68 3.44 1.78 0.78 0.70 0.68 2.49 2.52 1.44 0.30 0.27 0.67 1.43 4.19 1.65 1.06 0.06 0.27 0.67 1.43 10.58 9.81 6.70 3.28 0.45 0.45 0.45	0.50 0.55 0.32 0.50 0.74 0.38 0.23 0.49 1.35 2.57 4.68 3.44 1.78 0.78 0.70 0.68 2.49 2.52 1.44 0.30 0.27 0.67 1.43 0.09 0.04 0.20 0.24 0.70 0.70 0.67 1.43 10.58 9.81 6.70 3.38 3.41 0.70 0.70 0.49 0.77

M 2

				, 							
	10-20	21-30	31 - 40	41 - 50	51-60	61 - 70	71-80	81~90	91-100	101 —	Total
A.	0.54	1.35	1.91	3 04	0. 29			0.38	 		
В	1 02	1. 39	1.96	2 20	1	_		0.38			7. 50
_	1	1.39	1.90	3. 32	4. 43	1. 28	1. 56	1. 73	0.52		17. 22
C	0. 95	1.94	1.97	1.84	1.99	2.53	1. 21		1 1		
D	4.40	6, 29	3 79	2.66			1. 21		l i		12.43
-	1	-	1 3 /3	2.00	0.56	0.14			1 1	Í	17.85
E	4.07	2 06	1.64	1.05	0.31	0 82	0. 28	1.00	1 05. 1		
Defec- tive	0.11	0.29		2 15	!	l - i	0.20	1.00	0.51		11. 74
		0. 29	0.24	0.41	0. 52	0.63		0.68	1 !		2.88
Total	11.09	13. 31	11.50	12. 32	8 10	5. 40	2.05	2.00	 		
			L			J. 40	3.05	3. 80	1.03	0.00	69. 61

Table-9-D. Volume per hectare by photo-strata, by diameter class, and by class of utility. (2)

3			by	diamet	er clas	s, and	by cla	ss of	utility	g. (2)	
	10-20	21-30	31-40	41-50	51 -60	61 - 70	71 -80	81 90	91-100	101 —	Total
A	0.48	1.14	0.62	1.32		1. 93	0.79				6. 2
В	0.41	0.69	1.60	1. 25	2.75	3, 36	3. 22	2.07		1.15	16.
C	0.58	1.04	0.64	0. 97			!	İ			3.
D	3.82	6. 24	7. 51	3, 81	0.49	0.96					22.
E	4.77	1.30	1. 65	1.60	1. 07	1	1.00			ļ	11.
Defec- tive	0.15				0.85	0.66					1.
Total	10. 21	10.40	12. 03	8.97	5 16	6 91	5. 00	2.07	0.00	1.15	61.

B 1

	10-20	21-30	31-40	41-50	5160	61 70	71-80	81-90	91-100	101-	Total
A	0.41	0 35	0.48								1. 23
В	0. 28	0.31	0. 19			ļ					0.78
С	2. 25	1. 31	1.05	0.18		•					4.79
D	0.54	0.18	0.17		}						0.89
E	10.88	2. 44	0.46	0. 24		1					14.02
Defec- tive	0.11	0.08	İ		0.14						0.34
Total	14. 47	4.67	2.36	0.41	0.14	0.00	0.00	0.00	0.00	0.00	22.05

B 2

J 24											
	10-20	21-30	31 — 40	41-50	51-60	61-70	71-80	81-90	91-100	101 —	Total
A	0.94	1.41	1.08	0.86	1. 31	0.84					6. 45
В	0.31	0.42	0.44	0.70	ļ	2.34	1. 59	2.69			8.49
c	1.84	3.54	2.49	1. 88	0.90	1.38		ŀ			12.03
D	3, 71	5. 40	4.79	1.65	0.54		1				16. 10
E	3.03	2.70	1. 59	0.94	0 68	0.75			ļ		9.68
Defec- tive	0.04	0.11			0.80	0.65	ļ			1	1.60
Total	9.89	13.57	10.38	6. 03	4. 25	5. 95	1. 59	2. 69	0.00	0.00	54.35

E

	10-20	21-30	31-40	41-50	51-60	61 - 70	71-80	81-90	91-100	101	Total
A	0 18	0. 49	2. 25	0.87	0.82	1. 26	2. 07				7. 95
В	0. 61	0.79	0.61	0.46	2.98	1.36	1	1.87			8. 67
c	1.35	2 32	3. 48	1.87	3 82	1. 28					14.11
D	6. 55	6. 23	3. 37	1.75		0.91					18 81
E	1.95	0.80	0. 57	0. 27	ļ	1					3. 59
Defec- tive	0.10		0.43	0.94	0.68			2. 13			4. 28
Total	10.74	10.62	10.71	6. 15	8.30	4.80	2. 07	4.00	0.00	0.00	57.39

→ Mean

	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
Α	0.45	0.72	1.18	1. 47	0.54	0.70	0 45	0.16	0.32		5. 99
В	0.76	1.18	1. 76	1. 92	3 30	2.19	2.09	1 61	1.08	3. 82	19 72
С	1.34	2. 35	2. 29	1.61	1.37	1. 24	0.90	0 36	ļ		11. 45
D	3. 61	4.94	3.77	1 74	0 57	0. 53	0. 21	0. 05			15. 42
E	3.53	2. 15	1.69	0 96	0.73	0. 39	0.30	0 33	0 58		10. 64
Defec- tive	0.12	0. 19	0.19	0.24	0. 29	0. 28	İ	0.53		0.11	1. 95
Total	9.81	11.54	10.88	7. 94	6.80	5 32	3. 94	3.04	1. 97	3. 93	65. 17

Appendix-10. Total tree height in detail. (page 57)

Table-10-A. Mean height and mean diameter by sample plot.

		D. B. H. ov	er 10cm.		
Code No.	Mean D.B.H.	Mean di. at 5m	Mean di. at c.m.h.	1!-!-	Mean com- mercial height
1	21 33	18 60	18 28	9.85	3.16
2	22.71	19. 02	18. 60	9.48	3.71
3	21.05	18 33	18.08	11.05	3. 66
4	21.66	19. 01	18. 33	12.81	5. 07
5	23. 37	20.30	19. 83	11. 13	3. 72
6	21.81	18 27	17. 92	9. 14	3.54
7	25 07	21. 23	20 74	10.75	3 50
8	21.53	18.59	18 40	10.74	3. 47
9	23.08	19.01	17.46	11. 49	5. 72
10	25 73	21.60	20.64	12.09	4.70
11	23. 01	19. 21	18. 12	11.79	5. 03
12	18 72	16. 79	16. 64	9. 07	3 70
13	17. 60	15, 07	14. 69	8. 88	3.61
14	21.87	18.58	17. 83	11. 40	5. 18
15	20.15	17. 16	16.78	10 98	4. 03
16	22 25	18 07	17. 20	11.80	4.65
17	20 74	16.66	15. 70	10. 24	4.83
18	20. 26	17. 82	17. 25	10. 20	4.12
19	22.34	18. 93	17. 92	10. 73	4. 69
20	22 63	19. 21	18. 47	10.30	4.25
21	15. 03	13 69	13. 57	8 00	2.82
22	20.01	16, 73	15. 92	11.04	4.77
23	15 50	14. 15	14 09	8. 12	3. 35
24	20. 33	17. 01	16. 24	11. 22	4.58
25	19.39	16. 67	16 27	9. 67	3.58
26	24. 02	21 66	21. 22	10.09	3 49
27	20 85	18 00	17. 68	11.30	4. 22
28	21. 97	19 71	19. 46	11. 14	3 71
29	22. 98	19. 64	18. 97	12 78	5 04
30	25. 31	23 26	22 60	11. 67	4. 23
31	24. 43	20 67	19. 78	12 81	4. 49
32	26 99	22 73	21.09	13. 21	5. 52
Mean	21. 47	18 43	17.82	10. 79	4. 21

Code No. Mean D.B.H. Mean dist 5m Mean di. at c.m.h. Mean tree height Mean commercial height 1 53. 29 43. 21 40. 36 19. 14 7. 21 2 51. 97 42. 72 41. 24 14. 24 5. 24 3 47. 33 43. 73 43. 73 13. 20 4. 53 4 52. 77 44. 77 43. 15 17. 35 5. 94 5 55. 33 45. 04 42. 83 19. 71 5. 90 6 54. 31 41. 38 38. 62 14. 69 4. 85 7 54. 87 42. 35 40. 44 14. 25 4. 95 8 52. 52 44. 16 43. 00 16. 72 4. 64 9 60. 73 48. 14 41. 82 21. 50 10. 64 10 63. 02 51. 06 47. 32 19. 72 7. 72 11 56. 61 46. 00 42. 02 19. 29 7. 17 12 46. 80 41. 60 40. 50	Code Mean dr. Mean dr. Mean dec mercial												
1 53. 29 43. 21 40. 36 19. 14 7. 21 2 51. 97 42. 72 41. 24 14. 24 5. 24 3 47. 33 43. 73 43. 73 13. 20 4. 53 4 52. 77 44. 77 43. 15 17. 35 5. 94 5 55. 33 45. 04 42. 83 19. 71 5. 90 6 54. 31 41. 38 38. 62 14. 69 4. 85 7 54. 87 42. 35 40. 44 14. 25 4. 95 8 52. 52 44. 16 43. 00 16. 72 4. 64 9 60. 73 48. 14 41. 82 21. 50 10. 64 10 63. 02 51. 06 47. 32 19. 72 7. 72 11 56. 61 46. 00 42. 02 19. 29 7. 17 12 46. 80 41. 60 40. 50 15. 40 5. 30 13 54. 75 45. 50 45. 50 12. 75 3. 63 14 53. 81 43. 29 40. 48 18. 88 5. 95 <td></td> <td></td> <td></td> <td></td> <td></td> <td>mercial </td>						mercial							
3 47. 33 43. 73 43. 73 13. 20 4. 53 4 52. 77 44. 77 43. 15 17. 35 5. 94 5 55. 33 45. 04 42. 83 19. 71 5. 90 6 54. 31 41. 38 38. 62 14. 69 4. 85 7 54. 87 42. 35 40. 44 14. 25 4. 95 8 52. 52 44. 16 43. 00 16. 72 4. 64 9 60. 73 48. 14 41. 82 21. 50 10. 64 10 63. 02 51. 06 47. 32 19. 72 7. 72 11 56. 61 46. 00 42. 02 19. 29 7. 17 12 46. 80 41. 60 40. 50 15. 40 5. 30 13 54. 75 45. 50 45. 50 12. 75 3. 63 14 53. 81 43. 29 40. 48 18. 88 5. 95 15 49. 04 39. 62 37. 19 18. 73 6. 38 16 50. 03 39. 97 37. 06 19. 06 6. 85 </td <td>1</td> <td>53. 29</td> <td>43. 21</td> <td>40.36</td> <td>19.14</td> <td></td>	1	53. 29	43. 21	40.36	19.14								
4 52.77 44.77 43.15 17.35 5.94 5 55.33 45.04 42.83 19.71 5.90 6 54.31 41.38 38.62 14.69 4.85 7 54.87 42.35 40.44 14.25 4.95 8 52.52 44.16 43.00 16.72 4.64 9 60.73 48.14 41.82 21.50 10.64 10 63.02 51.06 47.32 19.72 7.72 11 56.61 46.00 42.02 19.29 7.17 12 46.80 41.60 40.50 15.40 5.30 13 54.75 45.50 45.50 12.75 3.63 14 53.81 43.29 40.48 18.88 5.95 15 49.04 39.62 37.19 18.73 6.38 16 50.03 39.97 37.06 19.06 6.85 17 59.53 49.27 43.13 18.67 8.67 18 55.75 49.90 </td <td>2</td> <td>51. 97</td> <td>42. 72</td> <td>41.24</td> <td>14. 24</td> <td>5. 24</td>	2	51. 97	42. 72	41.24	14. 24	5. 24							
5 55. 33 45. 04 42 83 19. 71 5. 90 6 54. 31 41. 38 38. 62 14. 69 4. 85 7 54. 87 42. 35' 40. 44 14. 25 4. 95 8 52. 52 44. 16 43. 00 16. 72 4. 64 9 60. 73 48 14 41. 82 21. 50 10. 64 10 63. 02 51. 06 47. 32 19. 72 7. 72 11 56. 61 46. 00 42. 02 19. 29 7. 17 12 46. 80 41. 60 40. 50 15. 40 5. 30 13 54. 75 45. 50 45. 50 12. 75 3. 63 14 53. 81 43. 29 40. 48 18. 88 5. 95 15 49. 04 39. 62 37. 19 18. 73 6. 38 16 50. 03 39. 97 37. 06 19. 06 6. 85 17 59. 53 49. 27 43 13 18. 67 8. 67 18 55. 75 49. 90 48. 35 14. 50 5. 20 </td <td>3</td> <td>47. 33</td> <td>43. 73</td> <td>43. 73</td> <td>13. 20</td> <td>4.53</td>	3	47. 33	43. 73	43. 73	13. 20	4.53							
6 54.31 41.38 38.62 14.69 4.85 7 54.87 42.35 40.44 14.25 4.95 8 52.52 44.16 43.00 16.72 4.64 9 60.73 48.14 41.82 21.50 10.64 10 63.02 51.06 47.32 19.72 7.72 11 56.61 46.00 42.02 19.29 7.17 12 46.80 41.60 40.50 15.40 5.30 13 54.75 45.50 45.50 12.75 3.63 14 53.81 43.29 40.48 18.88 5.95 15 49.04 39.62 37.19 18.73 6.38 16 50.03 39.97 37.06 19.06 6.85 17 59.53 49.27 43.13 18.67 8.67 18 55.75 49.90 48.35 14.50 5.20 19 55.06 45.42 40.97 16.61 7.58 20 57.20 46.73	4	52.77	44. 77	43. 15	17. 35	5, 94							
7 54.87 42.35' 40.44 14.25 4.95 8 52.52 44.16 43.00 16.72 4.64 9 60.73 48.14 41.82 21.50 10.64 10 63.02 51.06 47.32 19.72 7.72 11 56.61 46.00 42.02 19.29 7.17 12 46.80 41.60 40.50 15.40 5.30 13 54.75 45.50 45.50 12.75 3.63 14 53.81 43.29 40.48 18.88 5.95 15 49.04 39.62 37.19 18.73 6.38 16 50.03 39.97 37.06 19.06 6.85 17 59.53 49.27 43.13 18.67 8.67 18 55.75 49.90 48.35 14.50 5.20 19 55.06 45.42 40.97 16.61 7.58 20 57.20 46.73 42.53 15.97 6.53 21 47.50 38.	5	55. 33	45. 04	42 83	19. 71	5, 90							
8 52.52 44.16 43.00 16.72 4.64 9 60.73 48 14 41.82 21.50 10.64 10 63.02 51.06 47.32 19.72 7.72 11 56.61 46.00 42.02 19.29 7.17 12 46.80 41.60 40.50 15.40 5.30 13 54.75 45.50 45.50 12.75 3.63 14 53.81 43.29 40.48 18.88 5.95 15 49.04 39.62 37.19 18.73 6.38 16 50.03 39.97 37.06 19.06 6.85 17 59.53 49.27 43.13 18.67 8.67 18 55.75 49.90 48.35 14.50 5.20 19 55.06 45.42 40.97 16.61 7.58 20 57.20 46.73 42.53 15.97 6.53 21 47.50 38.50 38.50 11.50 1.75 22 54.90 44.	6	54. 31	41.38	38. 62	14. 69	4. 85							
9 60.73 48 14 41.82 21.50 10.64 10 63.02 51.06 47.32 19.72 7.72 11 56.61 46.00 42.02 19.29 7.17 12 46.80 41.60 40.50 15.40 5.30 13 54.75 45.50 45.50 12.75 3.63 14 53.81 43.29 40.48 18.88 5.95 15 49.04 39.62 37.19 18.73 6.38 16 50.03 39.97 37.06 19.06 6.85 17 59.53 49.27 43 13 18.67 8.67 18 55.75 49.90 48.35 14.50 5.20 19 55.06 45.42 40.97 16.61 7.58 20 57.20 46.73 42.53 15.97 6.53 21 47.50 38.50 38.50 11.50 1.75 22 54.90 44.67 39.23 18.67 7.87 23 43.00 35.00 35.00 14.00 3.00 24 58.13 48.47 44.20 23.33 7.93 25 55.04 45.13 41.26 21.87 7.87 26 53.75 48.53 46.52 15.68 5.50 27 53.35 44.76 42.88 18.82 6.03 28 55.58 51.35 50.08 15.23 5.71 29 54.57 44 71 42.32 21.29 7.55 30 70.48 65.90 63.00 21.43 8.05 31 60.44 50.12 46 12 22.41 7.21 32 69.87 56.98 50.94 20.74 8.57	7	54. 87	42.35	40.44	14. 25	4. 95							
1 0 63. 02 51. 06 47. 32 19. 72 7. 72 1 1 56. 61 46. 00 42. 02 19. 29 7. 17 1 2 46. 80 41. 60 40. 50 15. 40 5. 30 1 3 54. 75 45. 50 45. 50 12. 75 3. 63 1 4 53. 81 43. 29 40. 48 18. 88 5. 95 1 5 49. 04 39. 62 37. 19 18. 73 6. 38 1 6 50. 03 39. 97 37. 06 19. 06 6. 85 1 7 59. 53 49. 27 43. 13 18. 67 8. 67 1 8 55. 75 49. 90 48. 35 14. 50 5. 20 1 9 55. 06 45. 42 40. 97 16. 61 7. 58 2 0 57. 20 46. 73 42. 53 15. 97 6. 53 2 1 47. 50 38. 50 38. 50 11. 50 1. 75 2 2 54. 90 44. 67 39. 23 18. 67 7. 87 2 3 43. 00 35. 00 35. 00 14. 00 <	8	52. 52	44. 16	43. 00	16. 72	4. 64							
11 56.61 46.00 42.02 19.29 7.17 12 46.80 41.60 40.50 15.40 5.30 13 54.75 45.50 45.50 12.75 3.63 14 53.81 43.29 40.48 18.88 5.95 15 49.04 39.62 37.19 18.73 6.38 16 50.03 39.97 37.06 19.06 6.85 17 59.53 49.27 43.13 18.67 8.67 18 55.75 49.90 48.35 14.50 5.20 19 55.06 45.42 40.97 16.61 7.58 20 57.20 46.73 42.53 15.97 6.53 21 47.50 38.50 38.50 11.50 1.75 22 54.90 44.67 39.23 18.67 7.87 23 43.00 35.00 35.00 14.00 3.00 24 58.13 48.47 44.20 23.33 7.93 25 55.04 45	9	60.73	48 14	41.82	21.50	10. 64							
1 2 46.80 41.60 40.50 15.40 5.30 1 3 54.75 45.50 45.50 12.75 3.63 1 4 53.81 43.29 40.48 18.88 5.95 1 5 49.04 39.62 37.19 18.73 6.38 1 6 50.03 39.97 37.06 19.06 6.85 1 7 59.53 49.27 43.13 18.67 8.67 1 8 55.75 49.90 48.35 14.50 5.20 1 9 55.06 45.42 40.97 16.61 7.58 2 0 57.20 46.73 42.53 15.97 6.53 2 1 47.50 38.50 38.50 11.50 1.75 2 2 54.90 44.67 39.23 18.67 7.87 2 3 43.00 35.00 35.00 14.00 3.00 2 4 58.13 48.47 44.20 23.33 7.93 2 5 55.04 45.13 41.26 21.87 7.87 2 6 53.75 <td>10</td> <td>63. 02</td> <td>51.06</td> <td>47. 32</td> <td>19. 72</td> <td>7.72</td>	10	63. 02	51.06	47. 32	19. 72	7.72							
1 3 54.75 45.50 45.50 12.75 3.63 1 4 53.81 43.29 40.48 18.88 5.95 1 5 49.04 39.62 37.19 18.73 6.38 1 6 50.03 39.97 37.06 19.06 6.85 1 7 59.53 49.27 43.13 18.67 8.67 1 8 55.75 49.90 48.35 14.50 5.20 1 9 55.06 45.42 40.97 16.61 7.58 2 0 57.20 46.73 42.53 15.97 6.53 2 1 47.50 38.50 38.50 11.50 1.75 2 2 54.90 44.67 39.23 18.67 7.87 2 3 43.00 35.00 35.00 14.00 3.00 2 4 58.13 48.47 44.20 23.33 7.93 2 5 55.04 45.13 41.26 21.87 7.87 2 6 53.75 48.53 46.52 15.68 5.50 2 7 53.35 <td>11</td> <td>56. 61</td> <td>46. 00</td> <td>42.02</td> <td>19. 29</td> <td>7. 17</td>	11	56. 61	46. 00	42.02	19. 29	7. 17							
1 4 53.81 43.29 40.48 18.88 5.95 1 5 49.04 39.62 37.19 18.73 6.38 1 6 50.03 39.97 37.06 19.06 6.85 1 7 59.53 49.27 43.13 18.67 8.67 1 8 55.75 49.90 48.35 14.50 5.20 1 9 55.06 45.42 40.97 16.61 7.58 2 0 57.20 46.73 42.53 15.97 6.53 2 1 47.50 38.50 38.50 11.50 1.75 2 2 54.90 44.67 39.23 18.67 7.87 2 3 43.00 35.00 35.00 14.00 3.00 2 4 58.13 48.47 44.20 23.33 7.93 2 5 55.04 45.13 41.26 21.87 7.87 2 6 53.75 48.53 46.52 15.68 5.50 2 7 53.35 44.76 42.88 18.82 6.03 2 8 55.58 <td>12</td> <td>46. 80</td> <td>41.60</td> <td>40.50</td> <td>15. 40</td> <td>5. 30</td>	12	46. 80	41.60	40.50	15. 40	5. 30							
1 5 49.04 39.62 37.19 18.73 6.38 1 6 50.03 39.97 37.06 19.06 6.85 1 7 59.53 49.27 43.13 18.67 8.67 1 8 55.75 49.90 48.35 14.50 5.20 1 9 55.06 45.42 40.97 16.61 7.58 2 0 57.20 46.73 42.53 15.97 6.53 2 1 47.50 38.50 38.50 11.50 1.75 2 2 54.90 44.67 39.23 18.67 7.87 2 3 43.00 35.00 35.00 14.00 3.00 2 4 58.13 48.47 44.20 23.33 7.93 2 5 55.04 45.13 41.26 21.87 7.87 2 6 53.75 48.53 46.52 15.68 5.50 2 7 53.35 44.76 42.88 18.82 6.03 2 8 55.58 51.35 50.08 15.23 5.71 2 9 54.57 <td>13</td> <td>54. 75</td> <td>45. 50</td> <td>45. 50</td> <td>12.75</td> <td>3.63</td>	13	54. 75	45. 50	45. 50	12.75	3.63							
1 6 50.03 39.97 37.06 19.06 6.85 1 7 59.53 49.27 43 13 18.67 8.67 1 8 55.75 49.90 48.35 14.50 5.20 1 9 55.06 45.42 40.97 16.61 7.58 2 0 57.20 46.73 42.53 15.97 6.53 2 1 47.50 38.50 38.50 11.50 1.75 2 2 54.90 44.67 39.23 18.67 7.87 2 3 43.00 35.00 35.00 14.00 3.00 2 4 58.13 48.47 44.20 23.33 7.93 2 5 55.04 45.13 41.26 21.87 7.87 2 6 53.75 48.53 46.52 15.68 5.50 2 7 53.35 44.76 42.88 18.82 6.03 2 8 55.58 51.35 50.08 15.23 5.71 2 9 54.57 44.71 42.32 21.29 7.55 3 0 70.48 <td>14</td> <td>53. 81</td> <td>43. 29</td> <td>40.48</td> <td>18.88</td> <td>5. 95</td>	14	53. 81	43. 29	40.48	18.88	5. 95							
17 59.53 49.27 43 13 18.67 8.67 18 55.75 49.90 48.35 14.50 5.20 19 55.06 45.42 40.97 16.61 7.58 20 57.20 46.73 42.53 15.97 6.53 21 47.50 38.50 38.50 11.50 1.75 22 54.90 44.67 39.23 18.67 7.87 23 43.00 35.00 35.00 14.00 3.00 24 58.13 48.47 44.20 23.33 7.93 25 55.04 45.13 41.26 21.87 7.87 26 53.75 48.53 46.52 15.68 5.50 27 53.35 44.76 42.88 18.82 6.03 28 55.58 51.35 50.08 15.23 5.71 29 54.57 44.71 42.32 21.29 7.55 30 70.48 65.90 63.00 21.43 8.05 31 60.44 50	15	49. 04	39. 62	37. 19	18. 73	6. 38							
1 8 55. 75 49. 90 48. 35 14. 50 5. 20 1 9 55. 06 45. 42 40. 97 16. 61 7. 58 2 0 57. 20 46. 73 42. 53 15. 97 6. 53 2 1 47. 50 38. 50 38. 50 11. 50 1. 75 2 2 54. 90 44. 67 39. 23 18. 67 7. 87 2 3 43. 00 35. 00 35. 00 14. 00 3. 00 2 4 58. 13 48. 47 44. 20 23. 33 7. 93 2 5 55. 04 45. 13 41. 26 21. 87 7. 87 2 6 53. 75 48. 53 46. 52 15. 68 5. 50 2 7 53. 35 44. 76 42. 88 18. 82 6. 03 2 8 55. 58 51. 35 50. 08 15. 23 5. 71 2 9 54. 57 44 71 42. 32 21. 29 7. 55 3 0 70. 48 65. 90 63. 00 21. 43 8. 05 3 1 60. 44 50. 12 46 12 22. 41 <td< td=""><td>16</td><td>50. 03</td><td>39. 97</td><td>37. 06</td><td>19.06</td><td>6.85</td></td<>	16	50. 03	39. 97	37. 06	19.06	6.85							
1 9 55. 06 45. 42 40. 97 16. 61 7. 58 2 0 57. 20 46. 73 42. 53 15. 97 6. 53 2 1 47. 50 38. 50 38. 50 11. 50 1. 75 2 2 54. 90 44. 67 39. 23 18. 67 7. 87 2 3 43. 00 35. 00 35. 00 14. 00 3. 00 2 4 58. 13 48. 47 44. 20 23. 33 7. 93 2 5 55. 04 45. 13 41. 26 21. 87 7. 87 2 6 53. 75 48. 53 46. 52 15. 68 5. 50 2 7 53. 35 44. 76 42. 88 18. 82 6. 03 2 8 55. 58 51. 35 50. 08 15. 23 5. 71 2 9 54. 57 44 71 42. 32 21. 29 7. 55 3 0 70. 48 65. 90 63. 00 21. 43 8. 05 3 1 60. 44 50. 12 46 12 22. 41 7. 21 3 2 69. 87 56. 98 50. 94 20. 74 <td< td=""><td>17</td><td>59. 53</td><td>49. 27</td><td>43 13</td><td>18. 67</td><td>8. 67</td></td<>	17	59. 53	49. 27	43 13	18. 67	8. 67							
20 57. 20 46. 73 42. 53 15. 97 6. 53 21 47. 50 38. 50 38. 50 11. 50 1. 75 22 54. 90 44. 67 39. 23 18. 67 7. 87 23 43. 00 35. 00 35. 00 14. 00 3. 00 24 58. 13 48. 47 44. 20 23. 33 7. 93 25 55. 04 45. 13 41. 26 21. 87 7. 87 26 53. 75 48. 53 46. 52 15. 68 5. 50 27 53. 35 44. 76 42. 88 18. 82 6. 03 28 55. 58 51. 35 50. 08 15. 23 5. 71 29 54. 57 44 71 42. 32 21. 29 7. 55 30 70. 48 65. 90 63. 00 21. 43 8. 05 31 60. 44 50. 12 46 12 22. 41 7. 21 32 69. 87 56. 98 50. 94 20. 74 8. 57	18	55. 75	49. 90	48. 35	14.50	5. 20							
21 47. 50 38. 50 38. 50 11. 50 1. 75 22 54. 90 44. 67 39. 23 18. 67 7. 87 23 43. 00 35. 00 35. 00 14. 00 3. 00 24 58. 13 48. 47 44. 20 23. 33 7. 93 25 55. 04 45. 13 41. 26 21. 87 7. 87 26 53. 75 48. 53 46. 52 15. 68 5. 50 27 53. 35 44. 76 42. 88 18. 82 6. 03 28 55. 58 51. 35 50. 08 15. 23 5. 71 29 54. 57 44 71 42. 32 21. 29 7. 55 3 0 70. 48 65. 90 63. 00 21. 43 8. 05 3 1 60. 44 50. 12 46 12 22. 41 7. 21 3 2 69. 87 56. 98 50. 94 20. 74 8. 57	19	55. 06	45. 42	40. 97	16, 61	7, 58							
2 2 54.90 44.67 39.23 18.67 7.87 2 3 43.00 35.00 35.00 14.00 3.00 2 4 58.13 48.47 44.20 23.33 7.93 2 5 55.04 45.13 41.26 21.87 7.87 2 6 53.75 48.53 46.52 15.68 5.50 2 7 53.35 44.76 42.88 18.82 6.03 2 8 55.58 51.35 50.08 15.23 5.71 2 9 54.57 44.71 42.32 21.29 7.55 3 0 70.48 65.90 63.00 21.43 8.05 3 1 60.44 50.12 46.12 22.41 7.21 3 2 69.87 56.98 50.94 20.74 8.57	20	57. 20	46. 73	42.53	15. 97	6. 53							
23 43.00 35.00 35.00 14.00 3.00 24 58.13 48.47 44.20 23.33 7.93 25 55.04 45.13 41.26 21.87 7.87 26 53.75 48.53 46.52 15.68 5.50 27 53.35 44.76 42.88 18.82 6.03 28 55.58 51.35 50.08 15.23 5.71 29 54.57 44.71 42.32 21.29 7.55 30 70.48 65.90 63.00 21.43 8.05 31 60.44 50.12 46.12 22.41 7.21 32 69.87 56.98 50.94 20.74 8.57	21	47. 50	38. 50	38.50	11.50	1. 75							
24 58. 13 48. 47 44. 20 23. 33 7. 93 25 55. 04 45. 13 41. 26 21. 87 7. 87 26 53. 75 48. 53 46. 52 15. 68 5. 50 27 53. 35 44. 76 42. 88 18. 82 6. 03 28 55. 58 51. 35 50. 08 15. 23 5. 71 29 54. 57 44. 71 42. 32 21. 29 7. 55 30 70. 48 65. 90 63. 00 21. 43 8. 05 31 60. 44 50. 12 46. 12 22. 41 7. 21 32 69. 87 56. 98 50. 94 20. 74 8. 57	22	54.90	44. 67	39. 23	18. 67	7. 87							
25 55. 04 45. 13 41. 26 21. 87 7. 87 26 53. 75 48. 53 46. 52 15. 68 5. 50 27 53. 35 44. 76 42. 88 18. 82 6. 03 28 55. 58 51. 35 50. 08 15. 23 5. 71 29 54. 57 44. 71 42. 32 21. 29 7. 55 30 70. 48 65. 90 63. 00 21. 43 8. 05 31 60. 44 50. 12 46. 12 22. 41 7. 21 32 69. 87 56. 98 50. 94 20. 74 8. 57	23	43. 00	35. 00	35. 00	14.00	3.00							
26 53.75 48.53 46.52 15.68 5.50 27 53.35 44.76 42.88 18.82 6.03 28 55.58 51.35 50.08 15.23 5.71 29 54.57 44.71 42.32 21.29 7.55 30 70.48 65.90 63.00 21.43 8.05 31 60.44 50.12 46.12 22.41 7.21 32 69.87 56.98 50.94 20.74 8.57	24	58. 13	48, 47	44. 20	23. 33	7. 93							
27 53. 35 44. 76 42. 88 18. 82 6. 03 28 55. 58 51. 35 50. 08 15. 23 5. 71 29 54. 57 44. 71 42. 32 21. 29 7. 55 3 0 70. 48 65. 90 63. 00 21. 43 8. 05 3 1 60. 44 50. 12 46. 12 22. 41 7. 21 3 2 69. 87 56. 98 50. 94 20. 74 8. 57	25	55. 04	45. 13	41. 26	21. 87	7. 87							
28 55. 58 51. 35 50. 08 15. 23 5. 71 29 54. 57 44. 71 42. 32 21. 29 7. 55 3 0 70. 48 65. 90 63. 00 21. 43 8. 05 3 1 60. 44 50. 12 46. 12 22. 41 7. 21 3 2 69. 87 56. 98 50. 94 20. 74 8. 57	26	53. 75	48. 53	46. 52	15, 68	5, 50							
29 54.57 44.71 42.32 21.29 7.55 30 70.48 65.90 63.00 21.43 8.05 31 60.44 50.12 46.12 22.41 7.21 32 69.87 56.98 50.94 20.74 8.57	27	53. 35	44.76	42.88	18. 82	6.03							
3 0 70. 48 65. 90 63. 00 21. 43 8. 05 3 1 60. 44 50. 12 46 12 22. 41 7. 21 3 2 69. 87 56. 98 50. 94 20. 74 8. 57	28	55. 58	51. 35	50.08	15. 23	5. 71							
31 60. 44 50. 12 46 12 22. 41 7. 21 3 2 69. 87 56. 98 50. 94 20. 74 8. 57	29	54. 57	44 71	42. 32	21. 29	7. 55							
3 2 69.87 56.98 50.94 20.74 8.57	30	70. 48	65. 90	63.00	21. 43	Į,							
3 2 69.87 56.98 50.94 20.74 8.57	31	60. 44	50.12	46 12	22.41	j							
	3 2	69. 87	56. 98	50. 94	20.74								
	Mean	56 25	46. 68	43 60	18 16	6, 65							

Diameter (cm) Height (m)

Table-10-B. Mean height and mean diameter by photo-strata.

		D. B.	II. over 10cm					- D. B. H.	over 41cm.	•	
Photo- stratum	Mean D.B.H.	Mean di. at 5m	Mean di. at c.m.h.	Marin #100	Mean com- mercial height	Photo- stratum	Mean D.B.H	Mean di. at 5m	Mean di. at c.m.h.	Mean tree height	Mean com- mercial height
A 1	22.37	19 21	18.87	10.54	3.61	A 1	53. 18	43. 90	42. 29	16.72	5. 25
A 2	22.72	19. 46	18.75	11.50	4.42	A 2	57.14	47. 48	44. 48	18 95	6.88
A 3	24. 52	20.92	19. 87	12. 69	5. 08	A 3	63.48	52. 02	47. 83	19. 61	7.67
M	18. 99	16.18	15. 69	9. 38	4.03	М	53. 30	45. 17	41.73	16.50	6, 72
M2	22, 13	18, 91	18.28	10.92	4.31	M 2	52 78	43.90	41. 11	17.51	6, 16
М 3	21.35	18.40	17.60	10. 47	4. 42	м з	54 81	46. 81	43.56	15. 63	6. 55
B 1	15. 28	13. 94	13.84	8.06	3. 10		38. 60	31.60	31.60	11.60	2.30
B 2	20, 17	17, 45	17.12	10.32	3.62	B 2	51.56	44. 21	41. 92	18. 15	6. 46
E	20. 58	17. 23	16.53	10.56	4.46	E	54. 42	43, 56	39. 09	17. 20	6. 87
Mean		18. 43	17.82	10.79	4.21	Mean	56. 25	46. 68	43.60	18. 16	6.65

Table-10-C. Number of trees per sample plot by height class and diameter class. (1)

Helght D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71 – 80	81-90	91-100	101-	Total
1 - 2					<u> </u>		1				
3 - 4	9	2					ļ			ĺ	١
5 - 6	21] :]		11
7 - 8	59	15	1	2	[21
9 - 10	25	12	1	_							77
11 - 12	13	11	6	1							38
13 - 14	4	6	6	1	!	,					31
15 - 16	· [6	۱								17
17 – 18]	2				ł					6
19 - 20		- 4		1	2						5
21 -	ļ	1	3	_ 1	- 1	ĺ	i	ļ	- 1		3
			5	2	1	3	1				12
Total	131	54	22	7	3	3	1]			221

P 2

Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101	Total
1 - 2									02 100	102	1001
3 - 4	8				}						_
5 – 6	36	1	·								8
7 - 8	42	8		1	ľ						37
9 10	36	15	4	3					ĺ		51
11 - 12	11	12	4	4	1			i	}		58
13 - 14	}	3	2	8	. ,		ļ				31
15 - 16	, 1	1	4	1	1	1]				15
17 – 18	-	1	2	_	_]	3	ļ		İ		10
19 - 20	[1	3	[ĺ	[6
21 -			2	1	1	ĺ	}	1	[1	5
Total	134										
10111	134	40	18	19	5	4	ļ	}		ī	221

Р 3____

Height D.B.H	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81 - 90	91-100	101-	Total
1 – 2	1	ľ	}					33 00	31 100	101	10(2)
3 - 4	2										1
5 - 6	7	}									2
7 - 8	42	2	,								7
9 - 10	75	10	·	1	ĺĺ				·		45
11 - 12	70	57	12	2							85
13 - 14	14	23	19	8	2	, ,					141
15 - 16	4	5	5		1	1 1	[67
17 - 18		4	4		1						15
19 - 20			·		,	Í					8
21 -			1			ļ					1
Total	215	101	41	11	3						
					3	1		i			371

Table-10-C. Number of trees per sample plot by height class and diameter class. (2)

Height D.B.H.	10-20	21-30	31-40	41-50	51 - 60	61 70	71 -80	81-90	91-100	101 —	Total
1- 2						_					
3- 4	1								Ī		1
5- 6	9		ļ '	ĺ		1		!		Ì	9
7- 8	41	4	1			1	Í	1		1	46
9- 10	54	5	3	1		ļ		ļ		}	63
11- 12	96	23	3	1			1				123
13- 14	32	34	14	4						ļ	84
15- 16	16	20	15	5	2	[1	{	[Ĭ	58
17- 18	4	13	7	2	1		1				28
19- 20	10	4	5	2		1		1			22
21-	4	6	3		2	2	2		<u></u>		19
Total	267	109	51	15	5	3	3				453

P 5

Height D.B.H.	10-20	21-30	31 - 40	41-50	51-60	61 - 70	71-80	8190	91-100	101-	Total
1 - 2	1									_	1
3 - 4	4	1									5
5 - 6	8	1									9
7 - 8	77	10	4								91
9 - 10	26	8	2								36
11 12	16	25	5	1				,			47
13 - 14	4	8	4	1	1						18
15 — 16	4	3	4	2						Ì	13
17 - 18	2	1	4	3	2	1					13
19 20	3	2	4	2	2				ļ	,	13
21 -		5	3	3	1	3		1	1	1	17_
Total	145	64	30	12	6	4		1		1	263

1 0											
Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101	Total
1 - 2]		ļ ,	
3 4	1			i				Ì			1
5 – 6	38	'				1		ļ			39
7 - 8	39	7	2	,]			48
9 – 10	21	8	1	,]			30
11 – 12	11	15	14	3	1			}]	44
13 - 14	2	1	4	1	1]	9
15 - 16	1	1	1	1			ļ				4
17 – 18	Ì	ļ	Į	ļ	2	1	j]		ļ	3
19 20			Ì	1	1	1		Į			2
21 -			ļ				 			1	
Total	113	32	22	5	5	3					180

Table-10-C. Number of trees per sample plot by height class and diameter class. (3)

Height D.B.H.	10- 20	20- 30	30- 40	40- 50	50- 60	60- 70	70- 80	80- 90	90-100	101-	Total
1 - 2										 	
3 - 4	1								ĺ]	1
5 - 6	24	1]	ŀ	25
7 - 8	66	7		1	1					ļ	75
9 — 10	60	16	5	2					ł		83
11 - 12	19	18	13	4	3						57
13 - 14	13	14	13	12	9	2		1	ĺ		64
15 – 16	1	5	4	4	3	1	1				19
17 18	2	1	4	1	2	1	2		1		14
19 - 20	ĺ		3	1	1	1			1		7
21 —			1			ľ					1
Total	186	62	43	25	19	5	3	1	2		346

P 8

Height-D.B.H	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
1 - 2									1		10121
3 - 4	8	1			1				1		9
5 6	32	3]								35
7 - 8	58	3	2								63
9 — 10	74	20	4		1	[i i		99
11 - 12	49	34	6			1		<u> </u>	ļ		90
13 — 14	11	24	10	5] .		50
15 - 16	1	15	7	4	1						28
17 — 18		4	5	3	2		1		1		15
19 — 20		1 1	4	1	3	1					10
21		11				1	1				3
Total	233	106	38	13	7	3	2				402

leight D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
1 - 2								 	31 100	101-	Total
3 - 4	4			1]			١.
5 – 6	11	{	1				ĺ		İ		4
7 8	78	12	1 1		i I		ļ	ļ	l i		12
9 - 10	33	13	5	1				[91
11 - 12	29	14	6	•							52
13 - 14	11	13	6								49
15 – 16	6	7	_								31
17 – 18			8	I	l				1		23
	1	4	3								8
19 — 20	1	6	8	2	1						,18
21 -	[3	6	3	4	4	2		1 I	1	24
Total	174	72	44	8	5	4	2		2	- i	312

Table-10-C. Number of trees per sample plot by height class and diameter class. (4)

Height D.B.H.	10-20	21-30	31 - 40	41 - 50	51-60	61 - 70	71-80	81-90	91-100	101-	Total
1 - 2			-								
3 - 4	2	1			<u> </u>	j	l]		3
5 – 6	21										21
7 8	60	11					1			1	71
9 - 10	44	13	3	1			•	Ì	i	i	61
11 - 12	29	27	9					1			66
13 14	17	19	8	3	}	 		 	Ì	Ì	47
15 — 16	5	8	6	3	1			1			24
17 — 18	3	8	10	6	3	3	2]	j]	35
19 — 20	2	7	4	2	2	1				1	19
21 -	1	1	2		3	_ 7	5		1	1	21
Total	184	95	42	15	9	11	7	2	1	2	368

P 11

L 11											
Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61 - 70	71-80	81 - 90	91-100	101 —	Total
1 - 2]		
3 - 4	2						1				2
5 – 6	25	2	1						1		28
7 - 8	51	4	2		ĺ	Ì	1		İ	•	57
9 — 10	94	13	1								108
11 - 12	44	17	6	5	1	ł	1	ł	}		74
13 — 14	6	13	9	1							29
15 — 16	4	4	4	1)	1	ļ]		14
17 — 18	3	10	7	3	2						25
19 - 20	1	4	8	5	2	1	2				23
21 -		2	5	4	5	4	1	1	1		23
Total	230	69	43	19	10	6	4	1	1		383

Height D.B.H.	10-20	21 - 30	31-40	41-50	51-60	61-70	71 - 80	81-90	91-100	101-	Total
1 - 2											
3 4		}]]		j]				
5 - 6	55	3									58
7 - 8	68	8	1								77
9 10	88	27	7	ĺ		1			i		1 22
11 - 12	30	4	10	4		}	}				61
13 – 14	5	1	3	l	Ì		į	ł		İ	12
15 – 16	1		2	2							6
17 – 18	Į)		2	1 1]		3
19 — 20	1						!		i		
21 -	L		l <u>.</u>	<u> </u>		1	1				1
Total	247	60	23	8	1	1					340

Table-10-C. Number of trees per sample plot by height class and diameter class. (5)

Height D.B.H.	10-20	21 – 30	31 - 40	41-50	51-60	61 - 70	71 – 80	81-90	91-100	101 —	Total
1 - 2											
3 - 4	6	1								ļ	7
5 - 6	31	2]		33
7 - 8	131	16	8	1							156
9 — 10	39	7	1	i							47
11 - 12	17	8	2					:	i		27
13 – 14	10	4	3	2							19
15 — 16	6	17	3					1			27
17 – 18	1	3									4
19 20	İ		1								1
21 -											
Total	241	58	18	3				1		-	321

P 14

Height D.B.H.	10-20	21-30	31-40	41 − 50	51-60	61-70	71-80	81-90	91-100	101-	Total
1 - 2									 		
3 - 4	2			'							2
5 - 6	49	6				i			İ		55
7 - 8	53	10	2					I]		65
9 — 10	51	14	4	1	. i						70
11 - 12	44	20	4	2		1					71
13 — 14	39	3	1	2		ľ					45
15 — 16	15	4	3	3	2	1					28
17 – 18	9	5	11	4	1						30
19 — 20		2	4	8	2		1		1		18
21 -			1	4	3	3		3			14
Total	262	64	30	24	8	5	1	3	1		398

Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61 70	71-80	81-90	91-100	101-	Total
1 - 2											10121
3 - 4	3										3
5 6	32	1								:	1
7 - 8	75	5	2								33
9 — 10	107	17	3								82
11 - 12	34	33	5	1	,						127
13 - 14	9	17	_		1				i		74
15 – 16	_	,	4	1							31
	4	8	2	3	1						18
17 – 18	3	14	3	7		1					28
19 - 20	1	4	9	2							16
21 -		1	2	3	5	1					12
Total	268	100	30	17	7	2					424

Table-10-C. Number of trees per sample plot by height class and diameter class. (6)

Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101	Total
1 - 2	1	·	-			·					1
3 - 4	4	1									5
5 - 6	25								:		25
7 - 8	62	7	1				:				70
9 — 10	45	16	1	1							63
11 - 12	27	12	6	1	1		İ				46
13 - 14	28	21	2	1			ļ		ļ		52
15 — 16	5	9	5	1	1		ł		ļ		21
17 - 18	5	8	8	9	1	1		ļ			32
19 — 20		6	4	1	2		2		ļ		15
21 -	2	1	9	7	2			1			22
Total	204	81	36	20	7	1	2	1			352

P 17

1 11											
Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71 - 80	81-90	91-100	101-	Total
1 - 2]			
3 - 4	4			ľ						İ	4
5 - 6	30	2									32
7 - 8	94	13	1		1				<u> </u>		109
9 - 10	29	14	4								47
11 - 12	18	7	2	Į							27
13 — 14	15	16	5	1							37
15 16	3	9	3	2				1		1	18
17 – 18	3	3	2			ŀ	İ				8
19 - 20		3	6	3			2				14
21 -	1	1	11_		3			1	1	<u> </u>	8
Total	197	68	24	6	4		2	2	11	<u> </u>	304

Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61 - 70	71-80	81-90	91-100	101-	Total
1 - 2	1						i				1
3 - 4	2										2
5 - 6	11	<u> </u>				1					12
7 - 8	72	7	3								82
9 - 10	65	12	1	1						<u> </u>	79
11 - 12	55	24	10	4		•	1				94
13 - 14	9	7	7	4		1					28
15 - 16	2	2	1	}			1			1	7
17 - 18	2	1	1								4
19 - 20	2	1		2	1	1					7
21 -			2	1	11			<u> </u>			4
Total	221	54	25	12	2	3	2] 1	320

Table-10-C. Number of trees per sample plot by height class and diameter class. (7)

Height D.B.H.	10-20	21 30	31 - 40	41 50	5160	61 - 70	71 - 80	81 - 90	91-100	101-	Total
1 - 2									Ì		
3 - 4	6	1									7
5 - 6	28	2			ļ					ł	30
7 - 8	44				j ,						44
9 - 10	90	14	4	1		1					110
11 - 12	36	32	15	1	1 1						85
13 - 14	4	9	6	4	1 1						24
15 – 16	1	13	3	3	3	·					23
17 - 18		2	6	2	1	1					12
19 - 20	1	2	4	3	2	1	3	1		!	17
21 -						2					2
Total	210	75	38	14	8	5	3	1			354

P 20

. F. 40											
Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61 - 70	71-80	81-90	91-100	101-	Total
1 - 2											
3 - 4	3		l								3
5 - 6	22	1						ĺ	! !		23
7 - 8	47	7	1								55
9 - 10	96	22	4	2	1			}			124
11 - 12	30	39	12	3							84
13 - 14	5	8	1	1	1					:	16
15 16		3	7	4	1	4		1	1		21
17 – 18		1	2	1	2		1				7
19 — 20	i			2	1	3	1	1			8
21 -											
Total	203	81	27	13	5 ·	7	2	2	1		341

Height D.B.H.	10-20	21-30	31 - 40	41-50	51-60	61 – 70	71 – 80	81-90	91-100	101-	Total
1 - 2									 		
3 - 4	7										7
5 - 6	48	3							 		51
7 - 8	198	24	4								226
9 — 10	63	9	1								73
11 - 12	25	7	2	1	1						36
13 — 14	1	1	1								3
15 — 16	1			•							,
17 - 18	1				ĺ	ļ					,
19 — 20	i										
21 —		1									1
Total	344	45	8	1	1						399

Table-10-C. Number of trees per sample plot by height class and diameter class. (8)

Height-D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
1 - 2	2	1									3
3 - 4	4	1									5
5 - 6	14										14
7 - 8	90	3	1	2							96
9 10	136	15	3				1	}	<u>'</u>	ì	154
11 12	68	37	5	2]	ĺ			112
13 14	10	21	3				ĺ				34
15 — 16	12	11	12	2	1		1				39
17 - 18	4	8	4	1	1	1					19
19 — 20	2	1	3	5	2	Î	1]	14
21 -	1		4	2	5	2_		2			16
Total	343	98	35	14	9	3	2	2		<u> </u>	506

P 23

P 23			,			1		····			1
Height D.B.H.	10-20	21 - 30	31 40	41 – 50	51-60	61 70	71-80	81-90	91-100	101 —	Total
1 - 2											
3 - 4	4										4
5 6	106	2									108
7 8	156	9	İ		ļ	ļ	į				165
9 10	114	14	1 1								129
11 - 12	21	8	3		<u> </u>						32
13 - 14	5	6	2	2							15
15 - 16		1	3					ļ			4
17 - 18	ļ	1	1	ļ	ļ	ļ .	ļ		ļ	ļ	2
19 - 20		ì -	_				ļ	1		!	
21 -									!		
Total	406	41	10	2		 					459

		_			F- 00	G. 50	71 00	01 00	01 100 101-	Total
Height D.B.H.	10-20	21 - 30	31-40	41-50	51-60	61 - 70	71 — 80	81-90	91-100 101-	10144
1 - 2										
3 - 4	1									1
5 - 6	12						ĺ			12
7 - 8	66	10	\ \		Ì	1	\	ነ	\	76
9 – 10	62	14								76
11 - 12	22	10	2							34
13 - 14	14	16	2							32
15 16	4	10	3]			17
17 – 18	2	3	2	2	Ì	1	}	•	1	10
19 - 20	3	6	2	2			İ			13
21 -		2	3	1	5	1	1	2		15
Total	186	71	14	5	5	2	1	2		286

Table-10-C. Number of trees per sample plot by height class and diameter class. (9)

Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
1 - 2							7.11.7				1
3 - 4											
5 ~ 6	34		1								34
7 - 8	154	27	1						İ		182
9 10	61	22	3								86
11 – 12	30	15	3	2							50
13 — 14	9	12	4	1							26
15 - 16	1	3	2	1		·					7
17 – 18	1.	4	2	2	1]	ļ					10
19 ~ 20	1	2	4	2	2						11
21 –		1	1	2	2	_ 6	1	1			14
Total	291	86	20	10	5	6	1	1			420

P 26

Heighr D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71 - 80	81-90	91-100	101-	Total
1 - 2						<u> </u>		[
3 ~ 4	1				ĺ	! [!				1 1
5 - 6	38	2	·								40
7 - 8	71	12	1			1	i				85
9 — 10	59	38	10			1					108
11 - 12	29	44	15	8	2	1					99
13 - 14	1	6	4	9	2						22
15 16		2	6	2	2	1					13
17 – 18	1		1	1		1	1				5
19 - 20			1		1	1					3
21 -				2	5		2	1			10
Total	200	104	38	22	12	6	3	1		· · · · · · · · · · · · · · · · · · ·	386

Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
1 - 2											
3 - 4	ļ										
5 - 6	28	İ			ļ				}	ļ	28
7 8	75	4	i						İ		79
9 - 10	102	15	3						!		120
11 - 12	55	33	8	2						ļ	98
13 - 14	15	18	10	1	1						45
15 — 16	12	8	4		1	•		'	<u>'</u>		25
17 - 18	2	6	3	7	4	1			ļ		23
19 - 20		6	4	3	2	3		,	ĺ		i
21 -	1		1	5 -	2		1				19
Total	290	90	33	18	10	4			<u> </u>		10
							1	1			447

Table-10-C. Number of trees per sample plot by height class and diameter class. (10)

Height D.B.H.	10-20	21-30	31-40	41-50	51-60	61 — 70	71-80	81-90	91-100	101	Total
1 - 2											
3 - 4	1										1
5 - 6	2										2
7 - 8	7	5	1								13
9 - 10	93	7	1	2					ļ		103
11 - 12	74	32	10	1				:			117
13 - 14	5	10	9	6	4	1	3				38
15 – 16		2	3	1		1	1	1		ļ	9
17 - 18		1			1.			İ		i e	2
19 - 20					1						1
21 -				1	1	1	}			<u>.</u>	3
Total	182	57	24	11	7	3	4	1			289

P 29

Height D.B.H.	10-20	21 - 30	31-40	41-50	51-60	61 — 70	71 80	81 - 90	91-100	101	Total
1 - 2											
3 - 4	1		i i							<u> </u> 	1
5 - 6	13	2	1	1							17
7 - 8	38	2	2	1					1		43
9 - 10	77	19		1			1				97
11 - 12	33	37	4								74
13 - 14	7	13	4	2							26
15 16	2	8	4	İ	1	ĺ					15
17 – 18	2	7	1	1							11
19 — 20	2	4	10		2			2	ŀ		20
21 -	2	9	12	9	4	2	1		1	ļ	40
Total	177	101	_ 38	15	7	2	1	2	1	<u> </u>	344

Height-D.B.H.	10-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
1 - 2			-								
3 - 4											
5 - 6	8	1] 			1					9
7 - 8	20	3	1								24
9 10	42	8	3					1			54
11 - 12	26	21	6	3]				1	ļ	56
13 - 14	8	6	6	İ	1		1		i		21
15 16	5			1							6
17 – 18										ļ	
19 — 20		1	2	1				1	1		5
21 -			2	1	3	2	2	1	1	3	15
· Total	109	40	20	6	4	2	2	3	1	3	190

Table-10-C. Number of trees per sample plot by height class and diameter class. (11)

Height D.B.H.	10-20	21-30	31 – 40	41-50	51-60	61-70	71-80	81-90	91-100	101-	Total
1 - 2									-		
3 - 4		İ						i .			
5 - 6	9	1									10
7 – 8	43	1				;				1	44
9 - 10	38	6	2						•		46
11 - 12	31	13	4								48
13 - 14	13	10	4								27
15 · 16	4	11	2	2					!		19
17 — 18	3	9	6	3	1		,		1		22
19 - 20		4	1	2	2	1					10
21 -	2			6	6	3	2	2	3	1	25
Total	143	55	19	13	9	4	2	2	3	1	251

P 32

Height D.B.H	10-20	21-30	31-40	41-50	51-60	61 - 70	71-80	81-90	91-100	101 —	Total
1 - 2											
3 - 4											ļ
5 - 6	3										3
7 8	39	5		!							44
9 - 10	63	12		1							76
11 - 12	43	19	1	2							65
13 - 14	24	26	7	4	1		1				63
15 - 16	4	7	8	1]	20
17 — 18	3	7	4	2	1	1	1				19
19 — 20		4	6	3	1			1			15
21 -	3	2	11	5	5	3	4	_ 1	3	6	43
Total	182	82	37	18	8	4	6	2	3	6	348

Total of sample plots

Height D.B.H	10-20	21-30	31-40	41-50	51-60	61 - 70	71 - 80	81-90	91-100	101-	Total
1 - 2	6	1									7
3 - 4	91	9]	100
5 – 6	830	36	3	1		2]		872
7 – 8	2,216	261	44	8	2	1					2,532
9 - 10	2,062	455	85	19	1	2		1			2,625
11 - 12	1,135	721	213	57	11	3	2	1			2,143
13 - 14	350	392	183	86	25	6	4	1			1,047
15 — 16	125	204	134	50	21	12	4	5	2	1	558
17 – 18	57	130	103	64	34	14	9		1	_	412
19 — 20	29	70	102	55	34	16	12	7	2	2	329
21 —	17	36	74	61	68	51	26	17	12	13	375
Total	6,918	2,315	941	401	196	107	57	32	17	16	11,000

Table-10-D. Number of trees per main species by total tree height
 and commercial height. (1)
 Peroba (B)

	1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 1 1	Total	Total height (m)	11244401 124444 1274	Total	Fotol height (m)
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		26			83	
		25			23	
	-00140-040	24			22	
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	2 7 2 1	21		1	12	
		20		1	ន	
	07-02 upan-200	19		H	62	
ĺ	1 020040210	18		ī	82	
ĺ	112531	17	A)	ан нан	12	
Ì	- 000c040r	16	$\overline{}$	1 12	97	
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	ស	14	٥	- 21-2	7	
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Ì	223 133 13	12		מ מוטו	12	
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Ì	1 1 16 7 4	10		4	2	
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İ	2 1	4		-	4	
Ì	1	3	Œ		6	
		2	height		2	
()		-	Commercial height (m)			
	20 113 113 113 113 114 117 117 117 117 117 117 117 117 117		ommo.	20 111111111111111111111111111111111111		1

rable-10-D. Number of trees per main species by total tree height
and commercial height. (2)
Kurupay (A)

	21420886112	Total	ight (n	1 149 6 6 7 1 1 1 1 2 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1	Total
		8	Total height (m)		8
		83	To		क्ष
	7	88			8
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		26		•	8
		25		Ħ	23
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	HHH 0	19		нин и	139
	2	18	_		82
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-	8-	15	1 1	1 2 1	15
	- N-	14	Yvyra'	105401	14
	- MHHM H	13			13
	-2-6	12		ю-и-и-ю	12
		11		HUR 481	=
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		4		2	4
		က	E		65
		2	Commercial height (m)		2
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	33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Total	Total height (m)	2 2 2 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total talett
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ht (m		3	ght (ii)		اء
Commercial height (m)		2	Commercial height (m),		?
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Table-10-D. Number of trees per main species by total tree height and commercial height. (4)
Samu hu' (E)

	7 7 7 7 7 7 7 7 7 7	ורו	Total hainht (m)
		က္က	1
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mercia		-	
	20 119 118 115 115 110 110 100 9 9	1	

Appendix-11. Volume of estimation for the stock in detail. (page 67) Table-11-A. Volume of estimation by block division and by photo-strata. (m^3)

Photo- stratum Block	A 1	A 2	A 3	м	M 2	м з	В 1	B 2	Е	Total
1	9, 207	97, 873	5, 745	803	40, 833		311	41, 985		196, 757
2	46, 123	198, 861	50, 782	13, 060	31, 207	İ	135	8, 424	10, 851	359, 443
3	28, 182	107, 106	4, 289	5, 809	21, 171	ļ	99	2, 573	2,028	171, 257
4	1, 373		•	5, 500		1	**	152	-,	7, 025
5	428	34, 355	10, 187	752	26, 393		64	38, 288	Ì	110, 467
6	24, 040	199, 631	73, 300	14, 059	49, 798		206	20, 087		381, 121
7	68, 340	157, 119	257, 662	6, 283	3, 209	- 1	10	1,734	26, 729	521,086
8	71, 964	152, 618	59, 590	7, 323			95	5, 451	15, 230	312, 271
9	20,777	28, 392	•	16, 829			72	4,669	2, 049	72, 788
10				62				76		138
11	5, 988	44, 435	3, 140	8, 209	21, 832	5, 633	l	3, 392	-	92, 629
12	18, 571	198, 591	20, 144	11, 947	72,008	24, 974	22	10, 387	6, 537	363, 181
13	27, 079	261, 147	110,218	20, 444	52, 661	27, 859	9	23, 365	1, 143	523, 925
14	5, 065	174, 624	85, 096	11, 937	42,500	5, 272	28	10,006	7,011	341, 539
15	450	7, 387		5, 685			8	14, 008	}	27, 538
16				1, 452			3	1,620		3, 075
17	248			6, 128	15, 477	18, 286	33	5, 336	-	45, 508
18	720		1	27, 839	150, 874	111,077	36	11, 340	13, 461	315, 347
19	158		ļ	21, 794	164, 872	10, 850	35	24, 566	11, 563	233, 838
20			21, 599	24, 492	227, 442	860	197	11, 111	9, 622	295, 323
21	878			22, 566	126, 147		185	18, 791	9, 600	178, 167
22	113			20, 115	13, 590		62	10, 501	324	44, 705
23									1	ļ
24				2, 297	4, 907				İ	7, 204
25		4, 617	ĺ	18, 014	127, 154	67, 817	64	2, 630	3, 236	223, 532
26	3,579	113, 992		19, 878	148, 200	118, 264	10	20, 430	14, 691	439, 044
27	i	5, 732		12, 833	171, 447		490	4, 269	37, 192	231,963
28				12,823	177, 676		511	6, 613	9, 751	207, 374
29				10, 856	136, 403	1, 110	171	9, 453	15, 683	173, 676
30	1	2, 924		17,725	70, 215		139	4, 136	7, 572	102, 711
31	,	4, 040	9, 651	21	6, 134		-		,	19, 846
32	6, 235	113, 146	32, 629	9, 548	105, 700		102	8, 290		275, 650
33	14, 474	80, 599	23, 744	15, 398	127, 846	8, 741	21	14, 141	3, 560	288, 524
34	14, 947	101, 566	10,417	16, 716	131,432	4, 856	289	31, 275	27, 419	338, 917
35	4, 412	136, 152	9, 421	14, 409	40,990	1	523	10, 768	22, 975	239, 650
36	6, 033	96, 064	65, 411	24, 152	162, 733		317	5, 679	20, 796	381, 185
37	3, 309	123, 649	23, 208	17, 056	79, 621	1, 249	200	22, 165	23, 946	294, 403
38	180	30, 585		20, 691	21, 203		93	10, 692	1, 402	84, 846
39		1, 116	1, 072	154	Ì			l		2, 342
40	22, 217	295, 426		11, 834	7, 393	1	17	6, 632		343, 519
41	16, 162	113, 338	4, 825	14, 687	15, 100	3, 163		17, 457		184, 732
42	14, 249	113, 261	54, 918	12, 133	22, 021	22, 476	176	36, 611	9, 125	284, 970
43	76, 511	266, 302	22, 519	16, 119	22,744	11, 516	24	13, 627	3, 063	432, 425
44	19,764	287, 424	32, 706	16, 242	72, 008		15	10, 177	16, 309	454, 645
45	34, 688	153, 118	21, 599	15, 387	95, 255	1	5	11, 797	8, 413	340, 262
46	48, 419	111,068		11, 731	21, 423		43	9, 815	4, 681	207, 180
47		192]		192
48						1		1		
49	5, 380	215, 904		16, 407	32, 874		9	3, 602	367	274, 543
50	9, 859	93, 371	10, 876	19, 548	136, 340	4, 051	70	18,620	4, 142	296, 877
51	20, 754	149, 386	34, 161	17, 911	66, 251	63, 128	43	25, 805	5, 825	383, 264
52	2,093	107, 952	23, 591	16, 840	79, 998	277	17	4, 955	7, 033	242, 756
53		70, 904	18,919	23, 740	47, 439	2, 164	30	11, 873	39, 263	214, 332
54	495	64, 864		1 9 , 177	4			7, 052		178, 224
55	17, 310	281, 383		13, 194	25, 701		44	4, 441	5, 652	347, 725
56			<u> </u>	6, 674		ļ	<u> </u>	12, 960		19, 634
Total	670, 774	4800, 214	1101, 419	697, 283	3302, 858	513, 623	5, 033	613, 827	408, 244	12113, 275

Table-11-B. Volume of estimation by local division and by photo-strata. (m^3)

Phot- stratum Local	A 1	A 2	А З	М	M 2	М 3	В 1	В 2	Е	Total
dv. 1	9, 207	80, 753		5, 150	54, 014		416	74, 079		223, 619
2	232, 910	1145, 384	534, 701	83, 281	279, 789	132, 554	464	79, 186	54, 536	2542, 805
3	86, 213	436, 040	161, 537	59, 077	84, 780	7, 492	258	47, 360	18, 790	901, 547
4	158	! 		14, 357	7,739	9, 129	48	14, 904	i	46, 335
5	11, 232	116, 993	6, 970	64, 455	596, 353	161, 773	543	53, 668	87, 349	1099, 336
6	878		5, 438	58, 830	445, 385	860	756	31, 313,	16, 913	560, 373
7	113	13, 196		51.003	333, 834	2, 331	579	33, 295	42, 757	477, 108
8	6, 911	182, 088	73, 684	31. 156	172, 611		679	18, 201	38, 119	523, 449
9	47, 586	394, 337	62, 960	55, 843	187, 145		441	40, 118	32, 295	820, 725
10	93, 011	666, 832	38, 527	50, 622	133, 886	53, 304	61	39, 870	27, 937	1104, 050
11		171, 623	61, 275	25, 306	120.988	8, 935	54	20, 068	42, 972	451, 221
12	70, 163	432, 386	ļ	45, 843	99, 722	1	72	30, 264	10. 333	688, 783
13		20, 506		18 045	73, 864			3, 735		116, 150
14	18, 706	251, 452	43, 888	45, 812	338, 679	80, 804	185	23, 594	3, 258	806, 378
15	70,996	599, 353	68, 398	48,912	180,444	13,847	397	52, 848	27, 872	1063, 067
16	22, 690	287, 270	44, 041	39, 313	181, 388	42, 594	80	51, 324	5, 113	673, 813
17		2, 001		278	12, 237	1				14, 516
Total	670, 774	4800, 214	1101, 419	697, 283	3302, 858	513, 623	5, 033	613, 827	408, 244	12, 113, 275

Table-11-C. Ratio(%) of photo-strata to volume of block division.

Photo- stratum	4.1	4.0			140					Total
Block	A 1	A 2	A 3	M	M 2	мз	B 1	B 2	E	
1 1	4.68	49.74	2.92	0 41	20.75		0. 16	21.34		100.00
2 3	12.83	55. 32	14. 13	3.63	8 68	-	0.04	2.34	3.02	"
	16.46	62. 54	2. 50	3. 39	12.36		0.06	1.50	1. 18	″
4.	19.54	21.10		78 29				2. 16		"
5	0.39	31. 10	9 22	0 68	23.89		0.06	34.66		"
6	6. 31	52.38	19. 23	3.69	13.07		0 05	5. 27		"
7	13.11	30. 15	49.45	1. 21	0.62			0. 33	5. 13	"
8	23.05	48 87	19.08	2. 35			0.03	1.75	4 88	"
9	28. 54	39 01		23 12			0.10	6 41	2 82	"
10	C 4C	47.07	2 20	44. 93	02.52	C 00		55 07		″
11	6 46	47.97	3 39	8 86	23 57	6.08		3.66	1.00	″
12	5. 11	54 68	5, 55	3. 29	19.83	6 88	0 01	2.86	1.80	″ 1
13	5. 17	49.84	21.04	3 90	10.05	5. 32	-	4.46	0. 22	"
14	1.48	51. 13	24. 92	3 50	12.44	1. 54	0.01	2 93	2 05	"
15	1.63	26 82	İ	20 64			0 03	50. 87	<u> </u>	#
16				47. 22	l		0 10	52 68		"
17	0 54			13.47	34 01	40 18	0.07	11.73		"
18	0. 23			8 83	47.84	35. 22	0.01	3 60	4, 27	
19	0 07		4 5.	9.32	70 51	4 64	0 01	10 51	4 94	"
20	0.40		7. 31	8 29	77.01	0 29	0 07	3.76	3 26	"
21	0 49			12.67	70.80		0 10	10.55	5 39	"
22	0 25			44 99	30.40		0 14	23 50	0 72	"
23					an					100.00
24				31.89	68 11					100.00
25		2.07		8 06	56. 88	30 34	0 03	1. 18	1 45	"
26	0 82	25, 96		4 53	33 76	26 94	-	4.65	3 35	"
27		2 47		5. 53	73.91		0.21	1.84	16.03	"
28				6 18	85 68		0 25	3 19	4 70	"
29				6. 25	78 54	0 64	0 10	5. 44	9.03	"
30		2.85		17. 26	68 36		0.14	4 03	7 37	"
31		20. 36	48 63	0 11	30 91					"
32	2. 26	41.05	11.84	3 46	38 35		0.04	3.01		"
33	5. 02	27. 93	8 23	5. 34	44.31	3.03	0 01	4. 90	1. 23	"
34	4.41	29.97	3.07	4 93	38.78	1.43	0 09	9. 23	8.09	"
35	1.84	56. 81	3 93	6 01	17.10		0.22	4.49	9. 59	"
36	1. 58	25. 20	17. 16	6. 34	42 69		0 08	1.49	5. 46	"
37	1. 12	42 00	7.88	5 79	27.04	0 42	0.07	7.53	8. 13	″
38	0. 21	36. 05		24 39	24 99	}	0 11	12.60	1.65	″
39		47.65	45 77	6 58				4.00		"
40	6. 47	86. 00		3 44	2.15	1	-	1.93		"
41	8 75	61 35	2.61	7. 95	8 17	1.71	0.00	9 45	7, 50	"
42	5 00	39 74	19. 27	4 26	7.73	7.89	0 06	12 85	3. 20	"
43	17. 69	61.58	5. 21	3 73	5. 26	2. 66	0 01	3. 15	0.71	"
44	4, 35	63 22	7. 19	3 57	15. 84		_	2.24	3. 59	"
45	10 19	45. 00	6.35	4 52	27.99		-	3.47	2.47	
46	23. 37	53. 61	1	5. 66	10 34	1	0 02	4. 74	2. 26	"
47		100.00							["
48										*00.00
49	1.96	78 64		5. 98	11.97			1.31	0.13	100.00
50	3. 32	31. 45	3.66	6 58	45. 92	1.36	0 02	6. 27	1.40	" "
51	5 42	38.98	8 91	4 67	17. 29	16 47	0 01	6.73	1.52	"
52	0.86	44. 47	9.72	6 94	32 95	0.11	0 01	2 04	2 90	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
53		33. 08	8.83	11.08	22. 13	1.01	0.01	5 54	18.32	″
54	0.28	36. 39		10.76	48 61	1		3 96		
55	4.98	80.92		3.79	7.39		0 01	1. 28	1 63	"
56		<u> </u>	<u></u>	33 99	1	<u> </u>	 -	66.01	 	//
Total	5, 55	39.63	9.09	5,76	27.27	4. 24		5. 07	3.37	100 00

Table-11-D. Ratio(%) of photo-strata to volume of local division and ratio of local division to total volume in the study area.

Photo-	A 1	A 2	A 3	м	M 2	м з	B 1	B 2	E	Ratio to total volume
stratum Local dv.		36, 11		2.30	24. 15		0. 19	33. 13		1.85
1 2	4. 12 9 16	45. 04	21. 03	3, 28	11.00	5. 21	0.02	3. 11	2. 14	20.99
3	9.56	48.37	17.92	6, 55	9.40	0.83	0.03	5. 25	2, 08	7.44
4	0.34			30, 99	16. 70	19.70	0. 10	32.17	1	0.38
5	1. 02	10,64	0.63	5, 86	54. 2 5	14. 72	0. 05	4.88	7.95	9. 08
6	0. 16		0.97	10.50	79.48	0. 15	0.13	5. 59	3.02	4.63
7	0. 02	2,77	i	10, 69	69.97	0.49	0. 12	6, 98	8.96	3.94
8	1. 32	.34. 79	14.08	5, 95	32.98		0.13	3, 48	7.28	4.32
9	5, 80	48, 05	7. 67	6. 80	22.80	<u> </u>	0.05	4.89	3.93	6,78
10	8.42	60.40	3, 49	4.59	12.13	4. 83	0. 01	3.61	2.53	9. 11
11	Ì	38.04	13, 58	5, 61	26.81	1.98	0.01	4. 45	9. 52	3. 73
12	10.19	62, 78	 	6, 66	14.48	<u> </u>	0.01	4.39	1.50	5. 69
13		17.65	l.	15. 54	63. 59			3. 22	ļ	0.96
14	2.32	31.18	5. 44	5. 68	42.00	10.02	0.02	2 93	0.40	6.66
15	6.68	56. 38	6.43	4. 60	16.97	1.30	0.04	4.97	2.62	8. 78
16	3.37	42.63	6. 54	5. 83	26. 92	6. 32	0 01	7.62	0.76	5. 56
17		13.78		1.92	84. 30				<u> </u>	0.12
Total	5 54	39, 63	9. 09	5. 76	27.27	4. 24	0.04	5. 07	3.37	100.00

Table-11-E. Area(ha) of photo-strata and land use by block division.

1	Classi fication Block	A 1	A 2	А 3	М	M 2	мз	B 1	В 2	Е	Ag	н	G	0	Р		Forest land
2		409	2, 544														7, 361
3 1.222 2,784 56 564 673 229 135 94 1,892 4,484 3,776 15,613 1,614 4,994 4,994 6,10 102 24 91 1,299 68 2,231 2,905 1,77,792 1,7792 1,799 1,799 923 738 1,634 797 694 233 178 245 59 316 221 298 1,129 68 2,231 2,905 1,115 4,179 4,179 1,129 694 233 178 245 59 334 4,684 1,684 1,684 1,793 1,114 1,199 1,299 690 2,24 91 1,299 690 2,24 91 1,299 694 2,305 1,194 2,299 1,295 694 2,305 1,306 2,299 1,006 2,299 1,006 2,205 3,195 1,111 1,199 1,351 199 693 252 255 1,01 113 1,479 330 1,764 1,769 1		- 1			- 1	· ·		- 1	· 1	503	22		· I			· ·	11,412
4 61 19 683 133 73 839 154 2,009 13 4,394 97 5,010 6,010 6,010 6 1,068 8,187 97 1,356 1,583 200 1,054 22 2,517 497 1,772 11 7 3,086 4,064 3,364 610 102 24 91 1,299 66 2,231 2,000 1,7762 11 9 923 738 1,634 19 144 4 10 44 10 44 10 44 10 44 10 44 10 44 44 10 44 44 10 44 44 10 44 44 10 44 44 10 44 44 10 44 44 10 44 44 10 44 44 10 44 44 10 44 44 11 44 44 10 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>- 1</td><td></td><td></td><td>- 1</td><td></td><td>- 1</td><td>- "</td><td>1</td><td>1</td><td></td><td></td><td>5, 797</td></t<>						- 1			- 1		- 1	- "	1	1			5, 797
5 19 863 133 73 839 154 2,000 2 2,15 97 6,368 4,664 3,344 610 102 24 91 1,239 68 2,231 2,80 1,17,17,17,17,17,17,17,17,17,17,17,17,17	1 1		-,	[- [١		200	- 1	- "				٥,			603
6	1 1		893	133	•	839		154	ı		[97			4, 120
R	6	1,068			· I			- 1	, I		1	22					11,716
8	7	3, 036		- 1			ļ	- 1		1, 239	68		· ·				12, 550
9	8	3, 197	3, 967	778			}						1		1		9, 876
10	9	923	738			1		174			1	261					3, 809
12	10				6			-	4			10	414	, I			10
13	11	266	1, 155	41	797	694	203	- 1	178		97	17	2, 163	889		6, 500	3, 334
14	12	825	5, 162	263	1, 160	2, 289	900	53	545	303	ł	334	4, 688	1, 081		17, 603	11,500
15	13	1. 203	6,788	1, 439	1,985	1, 674	1, 004	23	1, 226	53	101	113	1, 479	330		17, 418	15, 395
16	14	225	4, 539	1, 111	1, 159	1, 351	190	69	525	325	1, 837		4,888	1,403		17,622	9, 494
17	15	20	192		552			20	735		7, 050		8, 225	283	219	17, 296	1,519
18	16				141		1	7	85		2, 523		2, 694	34	1, 369	6, 853	233
19	17	11			595	492	659	81	280	j	22	129	3, 395	179	•	5, 843	2, 118
20	18	32			2,703	4, 796	4, 003	87	595	624	901	10	3, 138	801		17, 690	12, 840
21 39	19	7			2, 116	5, 241	391	84	1, 289	536	1, 362	188	3,882	2, 426		17, 522	9, 664
22 5	20		1	282	2, 378	7, 230	31	477	583	446	2, 368	53	3, 085	1, 007		17, 940	11, 427
23	21	39			2, 191	4,010		449	986	445	4, 408	429	3, 267	1, 448		17, 672	8, 120
24	22	5			1, 953	432		149	551	15	6, 062	126	6, 723	1,680	147	17, 843	3, 105
120	23										1	13	355	ļ		369	0
159 2,663	24				22.3	156					246	7	969			1,601	379
149	25		120		1, 749	4, 042	2, 444	156	138	150	653	304	4, 703	471		14, 930	8, 799
1, 245 5, 648 1, 239 347 452 639 150 4, 764 3, 158 17, 642 1, 751 30 76 1, 721 2, 232 337 217 351 2, 370 86 3, 847 1, 020 12, 257 31 105 125 2 195 1 199 6 414 16 1, 055 15, 642 33 643 2, 095 310 1, 495 4, 064 315 52 742 165 1, 305 84 4, 930 1, 454 17, 654 34 664 2, 640 136 1, 623 4, 178 175 701 1, 641 1, 271 50 28 3, 236 1, 731 18, 074 135 196 3, 539 123 1, 399 1, 303 1, 268 565 1, 065 474 474 3, 134 303 1, 656 2, 531 45 485 1, 163 1, 110 238 485 4, 672 1, 733 17, 782 137 147 3, 214 303 1, 656 2, 531 45 485 1, 163 1, 110 238 485 4, 672 1, 733 17, 782 138 8 795 2, 009 674 226 561 65 1, 567 212 4, 976 1, 670 12, 763 39 29 14 15 15 422 348 1, 816 131 4, 305 1, 670 12, 763 39 29 14 15 15 422 348 1, 816 131 4, 305 1, 172 17, 899 142 633 2, 944 717 1, 178 700 810 426 1, 921 423 614 847 5, 672 1, 104 17, 989 43 3, 399 6, 922 294 1, 565 723 415 57 715 142 294 427 1, 955 468 17, 376 1, 670 1, 670 1, 755 1, 670 1, 755 1, 670 1, 755 1, 670 1, 755 1, 75	26	159	2, 963		1, 930	4, 711	4, 262	25	1,072	681		-		-	İ	17,801	15, 803
1, 054 4, 336 40 414 496 727 88 354 6, 683 3, 379 17, 571	27		149		1, 246	5, 450								•		l -	9, 981
30	28				1, 245	5, 648		1, 239						•		l -	8, 931
31 105 126 2 195 1 435 3,728 44 2,191 1,655 15,842 32 277 2,941 426 927 3,360 248 435 3,728 44 2,191 1,265 15,842 33 643 2,095 310 1,495 4,064 315 52 742 165 1,305 84 4,930 1,454 17,654 34 664 2,640 136 1,623 4,178 175 701 1,641 1,271 50 28 3,236 1,731 18,074 1 35 196 3,539 123 1,399 1,303 1,268 565 1,668 474 92 6,153 1,319 17,610 1 36 268 2,497 854 2,345 5,173 768 298 964 38 162 3,324 919 17,610 1 37 147 3,23	29						40									•	7,067
32 277 2, 941 426 927 3, 360 248 435 3, 728 44 2, 191 1, 265 15, 842 33 643 2, 095 310 1, 495 4, 064 315 52 742 165 1, 305 84 4, 930 1, 454 17, 654 34 664 2, 640 136 1, 623 4, 178 175 701 1, 641 1, 271 50 28 3, 236 1, 731 18, 074 1 36 268 2, 497 854 2, 345 5, 173 768 298 964 38 162 3, 324 919 17, 610 1 37 147 3, 214 303 1, 666 2, 531 45 485 1, 163 1, 110 238 485 4, 672 1, 733 17, 782 1 38 8 795 2, 009 674 225 561 65 1, 567 212 4, 976 1, 670 12,						· '			217	351			-			1 '	4, 934
33 643 2,095 310 1,495 4,064 315 52 742 165 1,305 84 4,930 1,454 17,654 34 664 2,640 136 1,623 4,178 175 701 1,641 1,271 50 28 3,236 1,731 18,074 1 35 196 3,539 123 1,399 1,303 1,268 565 1,065 474 92 6,153 1,319 17,496 36 228 2,497 854 2,345 5,173 768 298 964 38 162 3,324 919 17,510 1 37 147 3,214 303 1,656 2,531 45 485 1,163 1,110 238 485 4,672 1,733 17,782 1 38 8 795 2,009 674 226 561 65 1,567 212 4,976 1,670 12,763 39 29 14 15 226 561 65 1,567 212 4,976 1,670 12,763 39 29 14 15 322 210 70 660 40 987 7,679 1,149 235 42 348 1,816 131 4,305 1,125 17,817 1 41 718 2,946 63 1,426 480 114 916 120 620 9,315 1,172 17,890 42 633 2,944 717 1,178 700 810 426 1,921 423 614 847 5,672 1,104 17,989 43 3,399 6,922 294 1,565 723 415 57 715 142 294 427 1,955 468 17,376 1 44 878 7,471 427 1,577 2,289 36 534 756 97 43 1,653 1,804 17,565 1 48 878 7,471 427 1,577 2,289 36 534 756 97 43 1,653 1,804 17,555 1 48 49 239 5,612 1,139 681 105 515 217 742 56 3,093 4,473 16,639 47 5 1 12 42 4,810 1,717 17,795 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					1												429
34 664 2,640 136 1,623 4,178 175 701 1,641 1,271 50 28 3,236 1,731 18,074 1 35 196 3,539 123 1,399 1,303 1,268 565 1,065 474 92 6,153 1,319 17,496 36 268 2,497 854 2,345 5,173 768 298 964 38 162 3,324 919 17,610 1 37 147 3,214 303 1,656 2,531 45 485 1,163 1,110 238 485 4,672 1,733 17,782 1 39 29 14 15 209 674 226 561 65 1,567 212 4,976 1,670 12,763 40 967 7,679 1,149 235 42 348 1,816 131 4,305 1,125 17,817 17,817 41 718 2,946 63 1,426 480 114 916 120			· '														8, 614
35 196 3,539 123 1,399 1,303 1,268 565 1,065 474 92 6,153 1,319 17,496 36 268 2,497 854 2,345 5,173 766 298 964 38 162 3,324 919 17,610 1 37 147 3,214 303 1,656 2,531 45 485 1,163 1,110 238 485 4,672 1,733 17,782 1 38 8 795 2,009 674 226 561 65 1,567 212 4,976 1,670 12,763 39 29 14 15 42 348 1,816 131 4,305 1,125 17,817 1 40 987 7,679 1,149 235 42 348 1,816 131 4,305 1,125 17,817 1 42 633 2,944 717 1,178 70 660<			i 1		-					_		-					9,881
36 268 2,497 854 2,345 5,173 768 298 964 38 162 3,324 919 17,610 1 37 147 3,214 303 1,656 2,531 45 485 1,163 1,110 238 485 4,672 1,733 17,782 1 38 8 795 2,009 674 226 561 65 1,567 212 4,976 1,670 12,763 39 29 14 15 42 348 1,816 131 4,976 1,670 12,763 40 987 7,679 1,149 235 42 348 1,816 131 4,305 1,125 17,817 1 41 718 2,946 63 1,426 480 114 916 120 620 9,315 1,172 17,891 43 3,399 6,922 294 1,565 723 415 57			, , ,			i	175			1						1	13,029
37 147 3.214 303 1,656 2,531 45 485 1,163 1,110 238 485 4,672 1,733 17,782 1 38 8 795 2,009 674 226 561 65 1,567 212 4,976 1,670 12,763 39 29 14 15 20 226 561 65 1,567 212 4,976 1,670 12,763 40 987 7,679 1,149 235 42 348 1,816 131 4,305 1,125 17,817 1 41 718 2,946 63 1,426 480 114 916 120 620 9,315 1,172 17,890 42 633 2,944 717 1,178 700 810 426 1,921 423 614 847 5,672 1,104 17,989 43 3,399 6,922 294 1,565 723	1	1				_,_,				i - I				-			I '
38 8 795 2,009 674 226 561 65 1,567 212 4,976 1,670 12,763 39 29 14 15 322 210 70 660 40 987 7,679 1,149 235 42 348 1,816 131 4,305 1,125 17,817 1 41 718 2,946 63 1,426 480 114 916 120 620 9,315 1,172 17,890 42 633 2,944 717 1,178 700 810 426 1,921 423 614 847 5,672 1,104 17,989 43 3,399 6,922 294 1,565 723 415 57 715 142 294 427 1,955 468 17,376 1 44 878 7,471 427 1,577 2,289 36 534 756 97 43 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>,</td><td></td><td></td><td></td><td>1</td></td<>													,				1
39 29 14 15 322 210 70 660 40 987 7,679 1,149 235 42 348 1,816 131 4,305 1,125 17,817 1 41 718 2,946 63 1,426 480 114 916 120 620 9,315 1,172 17,890 42 633 2,944 717 1,178 700 810 426 1,921 423 614 847 5,672 1,104 17,989 43 3,399 6,922 294 1,565 723 415 57 715 142 294 427 1,955 468 17,376 1 44 878 7,471 427 1,577 2,289 36 534 756 97 43 1,653 1,804 17,565 1 45 1,541 3,980 282 1,494 3,028 13 619 390	1		i	303	•		45		***				, ,	-			4, 338
40 987 7,679 1,149 235 42 348 1,816 131 4,305 1,125 17,817 1 41 718 2,946 63 1,426 480 114 916 120 620 9,315 1,172 17,890 42 633 2,944 717 1,178 700 810 426 1,921 423 614 847 5,672 1,104 17,989 43 3,399 6,922 294 1,565 723 415 57 715 142 294 427 1,955 468 17,376 1 44 878 7,471 427 1,577 2,289 36 534 756 97 43 1,653 1,804 17,565 1 45 1,541 3,980 282 1,494 3,028 13 619 390 118 72 4,084 1,836 17,457 1 46 2,151 2,887 1,139 681 105 515 217 742 56	1	8				0/4		220	501	03		212				1 '	1 '
41 718 2,946 63 1,426 480 114 916 120 620 9,315 1,172 17,890 42 633 2,944 717 1,178 700 810 426 1,921 423 614 847 5,672 1,104 17,989 43 3,399 6,922 294 1,565 723 415 57 715 142 294 427 1,955 468 17,376 1 44 878 7,471 427 1,577 2,289 36 534 756 97 43 1,653 1,804 17,376 1 45 1,541 3,980 282 1,494 3,028 13 619 390 118 72 4,084 1,836 17,457 1 46 2,151 2,887 1,139 681 105 515 217 742 56 3,093 4,473 16,659 47 48 <td></td> <td>007</td> <td></td> <td>14</td> <td></td> <td>125</td> <td>ľ</td> <td>40</td> <td>248</td> <td></td> <td></td> <td>131</td> <td></td> <td></td> <td></td> <td></td> <td>1</td>		007		14		125	ľ	40	248			131					1
42 633 2.944 717 1.178 700 810 426 1.921 423 614 847 5.672 1.104 17,989 43 3.399 6,922 294 1.565 723 415 57 715 142 294 427 1.955 468 17,376 1 44 878 7.471 427 1.577 2.289 36 534 756 97 43 1.653 1.804 17,565 1 45 1.541 3.980 282 1.494 3.028 13 619 390 118 72 4.084 1.836 17.457 1 46 2.151 2.887 1.139 681 105 515 217 742 56 3.093 4.473 16,059 47 5 1.593 1.045 23 189 17 1.505 56 5.270 888 16,437 50 438 2.427 142 1.898 4.334 146 169 977 192 421 1			l	E2	l		114	42									1
43 3,399 6,922 294 1,565 723 415 57 715 142 294 427 1,955 468 17,376 1 44 878 7,471 427 1,577 2,289 36 534 756 97 43 1,653 1,804 17,565 1 45 1,541 3,980 282 1,494 3,028 13 619 390 118 72 4,084 1,836 17,457 1 46 2,151 2,887 1,139 681 105 515 217 742 56 3,093 4,473 16,059 47 5 1,593 1,045 23 189 17 1,505 56 5,270 888 16,437 48 49 239 5,612 1,593 1,045 23 189 17 1,505 56 5,270 888 16,437 50 438 2,427 142 1,898 4,334 146 169 977 192 421 124 4,810		1	l		I		1	426		423						1	1
44 878 7, 471 427 1, 577 2, 289 36 534 756 97 43 1, 653 1, 804 17, 555 1 45 1, 541 3, 980 282 1, 494 3, 028 13 619 390 118 72 4, 084 1, 836 17, 457 1 46 2, 151 2, 887 1, 139 681 105 515 217 742 56 3, 093 4, 473 16, 059 47 5 1, 593 1, 045 23 189 17 1, 505 56 5, 270 888 16, 437 50 438 2, 427 142 1, 898 4, 334 146 169 977 192 421 124 4, 810 1, 717 17, 795 1 51 922 3, 883 446 1, 739 2, 106 2, 275 103 1, 354 270 136 2, 767 1, 758 17, 759 1 52 93 2, 806 308 1, 635 2, 543 10 41 260	1	1	l	1			i .	1				1					1
45 1,541 3,980 282 1,494 3,028 13 619 390 118 72 4,084 1,836 17,457 1 46 2,151 2,887 1,139 681 105 515 217 742 56 3,093 4,473 16,059 47 5 112 146 517 512 254 112 146 517 48 49 239 5,612 1,593 1,045 23 189 17,1,505 56 5,270 888 16,437 50 438 2,427 142 1,898 4,334 146 169 977 192 421 124 4,810 1,717 17,795 1 51 922 3,883 446 1,739 2,106 2,275 103 1,354 270 136 2,767 1,758 17,759 1 52 93 2,806 308 1,635 2,543 10 41 260 326 33 219 6,618 2,637 17,529 </td <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td> ""</td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td></td> <td>1</td> <td>l</td> <td></td> <td>1</td>	1					1	""					<u> </u>		1	l		1
46 2,151 2,887 1,139 681 105 515 217 742 56 3,093 4,473 16,059 47 5 112 146 517 48 239 5,612 1,593 1,045 23 189 17 1,505 56 5,270 888 16,437 50 438 2,427 142 1,898 4,334 146 169 977 192 421 124 4,810 1,717 17,795 1 51 922 3,883 446 1,739 2,106 2,275 103 1,354 270 136 2,767 1,758 17,759 1 52 93 2,806 308 1,635 2,543 10 41 260 326 33 219 6,618 2,637 17,529 53 1,843 247 2,305 1,508 78 73 623 1,820 166 361 4,438 4,595 18,057 54 22 1,686 1,862 2,754	1					l											
47				~~~	l		[t l			I -				1
48		-,	i .		-,	```										1	
49 239 5, 612 I, 593 1, 045 23 189 17 1,505 56 5,270 888 16,437 50 438 2,427 142 1,898 4,334 146 169 977 192 421 124 4,810 1,717 17,795 1 51 922 3,883 446 1,739 2,106 2,275 103 1,354 270 136 2,767 1,758 17,759 1 52 93 2,806 308 1,635 2,543 10 41 260 326 33 219 6,618 2,637 17,529 53 1,843 247 2,305 1,508 78 73 623 1,820 166 361 4,438 4,595 18,057 54 22 1,686 1,862 2,754 370 436 160 9,506 879 17,675 55 769 7,314 1,281 817 107 233 262 3,961 1,452 2,360 18,556	1				1	<u> </u>									1		0
50 438 2,427 142 1,898 4,334 146 169 977 192 421 124 4,810 1,717 17,795 1 51 922 3,883 446 1,739 2,106 2,275 103 1,354 270 136 2,767 1,759 17,759 1 52 93 2,806 308 1,635 2,543 10 41 260 326 33 219 6,618 2,637 17,529 53 1,843 247 2,305 1,508 78 73 623 1,820 166 361 4,438 4,595 18,057 54 22 1,686 1,862 2,754 370 436 160 9,506 879 17,675 55 769 7,314 1,281 817 107 233 262 3,961 1,452 2,360 18,556 1 56 648 648 7,362 <td< td=""><td>1</td><td>239</td><td>5, 612</td><td></td><td>1,593</td><td>1, 045</td><td></td><td>23</td><td>189</td><td>17</td><td>1,505</td><td>56</td><td>5, 270</td><td>888</td><td> </td><td>16, 437</td><td>8,718</td></td<>	1	239	5, 612		1,593	1, 045		23	189	17	1,505	56	5, 270	888		16, 437	8,718
51 922 3,883 446 1,739 2,106 2,275 103 1,354 270 136 2,767 1,758 17,759 1 52 93 2,806 308 1,635 2,543 10 41 260 326 33 219 6,618 2,637 17,529 53 1,843 247 2,305 1,508 78 73 623 1,820 166 361 4,438 4,595 18,057 54 22 1,686 1,862 2,754 370 436 160 9,506 879 17,675 55 769 7,314 1,281 817 107 233 262 3,961 1,452 2,360 18,556 1 56 648 648 680 5,450 2,642 58 9,478	ì	I	l	142	I	l l	146			1 1			į i	1,717		1	l .
52 93 2,806 308 1,635 2,543 10 41 260 326 33 219 6,618 2,637 17,529 53 1,843 247 2,305 1,508 78 73 623 1,820 166 361 4,438 4,595 18,057 54 22 1,686 1,862 2,754 370 436 160 9,506 879 17,675 55 769 7,314 1,281 817 107 233 262 3,961 1,452 2,360 18,556 1 56 648 648 680 5,450 2,642 58 9,478	1	1	l .		!					1		136	2,767	1,758		17, 759	13, 098
53	1	1		i .	1		1	ŀ						1		17,529	8, 022
54 22 1,686 1,862 2,754 370 436 160 9,506 879 17,675 55 769 7,314 1,281 817 107 233 262 3,961 1,452 2,360 18,556 1 56 648 680 5,450 2,642 58 9,478	1]			1	1	1	l .					-	l .		18, 057	8, 497
55 769 7, 314 1, 281 817 - 107 233 262 3, 961 1, 452 2, 360 18, 556 1 56 648 680 5, 450 2, 642 58 9, 478	ì	22	i .	-,,	l	ł						160	9, 506	879		17, 675	6,694
56 648 680 5,450 2,642 58 9,478 56 56 56 1,735 779 004 45		ŧ	ı				-	107			3, 961		1,452	2, 360		18, 556	10,783
20 10 10 10 10 10 10 10 10 10 10 10 10 10		""	'''''	}	1				680				2,642	58		9,478	1, 328
Total 29, 799 124, 772 14, 380 67, 701 104, 992 18, 510 12, 204 32, 208 18, 924 59, 849 7, 352 217, 632 68, 946 1, 735 779, 004 47	<u> </u>	29, 799	124.772	14, 380		104, 992	18, 510	12, 204	32, 208	18, 924	59, 849	7, 352	217, 632	68, 946	1, 739	779,004	423, 490

Table-11-F. Area(ha) of photo-strata and land use by local division.

Classi- fication	A I	A 2	АЗ	М	M 2	М 3	B 1	В 2	Е	Ag	Н	G	О	P	Total
dv. 1	409	2,099		500	1,717		1,008	3,887			91	8, 200	44		17, 955
2	10, 347	29, 772	6, 981	8, 086	8, 894	4,777	1, 123	4, 155	2, 528	3,042	609	27, 222	11, 158		118, 694
3	3, 830	11, 334	2, 109	5, 736	2, 695	270	625	2, 485	871	10, 959	380	35, 297	3, 820	1, 145	81, 556
4	7	}	}	1, 394	246	329	116	782	<u>'</u>	17	154	2, 394	36		5, 475
5	499	3, 041	91	6, 258	18, 957	5, 830	1, 319	2, 816	4,049	1, 520	308	12, 051	6, 135	i	62, 874
6	39		71	5, 712	14, 158	31	1, 833	1,643	784	11, 769	336	12, 220	2, 462	380	51,438
7	5	343		4, 952	10, 612	84	1, 406	1, 747	1, 982	7, 351	994	19, 756	8, 546	210	57, 988
8	307	4, 733	962	3,025	5, 487		1.648	955	1, 767	672	154	6, 992	1, 673		28, 375
9	2, 114	10, 250	822	5, 422	5, 949		1, 068	2, 105	1, 497	2, 701	772	13, 018	6, 375		52, 093
10	4, 132	17, 333	503	4, 915	4, 256	1,921	148	2, 092	1, 295	291	593	5, 231	2, 694		45, 404
ıı		4, 461	800	2, 457	3, 846	322	130	1, 053	1,992	191	323	8, 784	7, 087	İ	31, 446
12	3, 117	11, 239		4, 451	3, 170		175	1,588	479	10, 351	131	13, 404	7, 586		55, 691
13		533		1,752	2, 348			196			343	6, 490	259	i	11, 921
14	831	6, 536	573	4, 448	10,766	2, 912	449	1, 238	151	7, 597	533	13, 311	2, 594		51, 939
15	3, 154	15, 579	893	4, 749	5, 736	499	961	2, 773	1, 292	2, 367	897	20, 616	4, 618		64, 134
16	1,008	7, 467	575	3, 817	5, 766	1,535	195	2, 693	237	998	734	12, 646	3, 711		41, 382
17		52		27	389					23			148		639
Total	29,799	124, 772	14, 380	67, 701	104, 992	18, 510	12, 204	32, 208	18,924	59,849	7,352	217, 632	68,946	1, 735	779, 004

Table-11-G. Ratio(%) of photo-strata in the forest land by block division.

Classie 1										
Classi- fication Block	A 1	A 2	A 3	M	M 2	М 3	B 1	B 2	E	Total
1	5. 56	34 56	1.02	1 06	17.63		10 24	29 93		100.00
2	17 95	45. 29	5 81	11. 11	8 69		2 86	3 87	4.41	"
3	21 60	48 02	0.97	9 73	11.61		4 12	2 33	1 62	"
4	10 12			88 56				1.33		"
5	0 46	21. 67	3.23	1 77	20.36		3. 74	48 76	ļ	"
6	9 12	44 29	8. 17	11 65	13.51		4 27	9 00	1	"
7	24. 19	32.54	26 80	4 86	0 81		0 19	0.73	9 87	#
8	32 37	40. 17	7.88	7. 20			2 34	2 90	7 15	"
9	24 23	19.38		42 90	\ 		4 57	6 43	2.49	"
10				60 00				40 00		,,
11	7 98	34. 64	1. 23	23 91	20 82	6 09		5 34		,,
12	7, 17	44 89	2 29	10 09	19 90	7.83	0 46	4 74	2, 63	,,
13	7. 81	44. 09	9 35	12 89	10.87	6 52	0 15	7 96	0 34	"
14	2 37	47. 81	11 70	12 21	14 23	2 00	0 73	5, 53	3 42	,,
15	1 32	12 64		36 34			r. 32	48 39	i	Ħ
16				60 52	\		3 00	36 48	ì	,,
17	0 52			28 09	23 23	31. 11	3 82	13 22	1	,,
18	0 25			21.05	37. 35	31 18	0 68	4 63	4.86	"
19	0 27			21.90	54 23	4 05	0 87	13 34	5 55	,,
20	, ,		2.47	20 81	63 27	0 27	4 17	5 10	3 90	,,
21	0 48		2.41	26 98	49 38	" - '	5 53	12 14	5 48	,,
22	0 16			62 90	13 91		4 80	17 75	0 48	"
23	0 10			02 30	1	1	. 55		"	
24				58 84	41 16				i	100.00
25		1 36		19 88	45. 94	27 78	1 77	1 57	1 70	"
1 1			ļ	12 21	29 81	26 97	0 16	6 78	4 31	,,
26	1.01	18 75		12 48	54 60	20 31	11 90	2 24	17.27	"
27		1.49		I '	63 24		13.87	3 89	5.06	,,
28				13 94		0 57	5. 86	7.02	10.29	
29			ì	14 91	61.36 45 24	0.31	6 83	i	7 11	<i>!!</i> <i>!!</i>
30		1 54	00.07	34 88			0 23	4 40	' ''	,,
31	0.00	24.48	29 37	0 47	45. 45			5 05		,,
32	3 22	34 14	4.95	10 76	39 01	2 10	2 88	7.51	 167	"
33	6 51	21.20	3 14	15, 13	41 13	3 19	l _	· ·	_	,,
34	5. 10	20. 26	1.04	12.46	32 07	1. 34	5. 38	12 59	9.76	,,
35	2 07	37 42	1.30	14 79	13 78		13.41	5.97	11.26	
36	2 04	18 96	6 49	17.81	39 29	0.40	5 83	2.26	7.32	"
37	1.38	30 17	2.84	15 54	23 76	0 42	4 55	10 92	10.42	"
38	0 18	18.33		46 31	15. 54		5 21	12 93	1 50	
39		50 00	24 14	25 86		}	0.40	, ,,,		,,
40	9 45	73 55		11.01	2 25	, ,,	0 40	3 33		"
41	10. 78	44. 21	0.95	21 40	7 20	1.71		13 75	45.	"
42	6 49	30 19	7.35	12 08	7. 18	8 31	4 37	19.70	4.34	"
43	23 88	48 64	2.07	11.00	5. 08	2 92	0 40	5 02	1 00	"
44	6 29	53.49	3 06	11. 29	16. 39		0 26	3.82	5.41	
45	13. 58	35. 08	2.49	13 17	26. 69		0 11	5 46	3 44	
46	27. 95	37. 52	1	14.80	8 85	1	1 36	6 69	2.82	<i>H</i>
47		100.00								-
48					1					100 00
49	2 74	64.37	l	18 27	11.99	1	0 26	2 17	0. 19	//
50	4 08	22.63	1.32	17.70	40.42	1.36	1.58	9 11	1.79	"
51	7.04	29. 65	3.41	13 28	16.08	17. 37	0.79	10.34	2.06	"
52	1. 16	34. 98	3.84	20 38	31. 70	0 12	0 51	3 24	4.06	"
53	}	21.69	2 91	27.13	17.75	0 92	0 86	7.33	21.42	, ,
54	0 33	25 19	1	27. 82	41. 14			5. 53		"
55	7. 13	67.83		11.88	7.58		0 99	2.16	2.43	"
56	1	<u> </u>		48 80		<u> </u>		51 20		
Total	7.04	29.46	3.40	15, 99	24.79	4. 37	2.88	7.61	4.47	100.00

