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**REPORT  
ON  
FOREST RESOURCES  
OF**

M D M U

*Ref. book*

**EAST AND WEST SIANG DISTRICTS  
OF  
ARUNACHAL PRADESH**



**FOREST SURVEY OF INDIA  
EASTERN ZONE  
CALCUTTA  
1998**

**REPORT  
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PART - I

(MAIN REPORT WITH MAPS,CHARTS & DIAGRAMS)

## PREFACE

The name Arunachal Pradesh is an apt choice since this is the first Indian soil to greet the rising sun. Arunachal Pradesh is the largest state in the North East region. The present inventory area encompasses both the districts of Siang viz. East Siang and West Siang, covering a geographical area of 6512 sq.km. in East Siang and 12006 sq.km. in West Siang, the corresponding forest area coverage for the two districts being 5123 sq.km. and 10487 sq.km. respectively. Forests occupy 78.6% and 87.3% of the total geographical area in East and West Siang respectively. Against the national average of 22.8% ( about 75 million ha. ) the forest coverage in these inaccessible districts present, expectedly, a rosy picture.

The field work for the inventory was initiated during 1986-87. It was subsequently taken up during 1989-90 and completed during 1990-91. The field work was supervised directly by Shri R.D. Tiwari, the then Deputy Director under the overall supervision, direction and guidance of Shri R.M. Das, the then Joint Director, Forest Survey of India, Eastern Zone, Calcutta.

The project area has been stratified into three distinct altitudinal strata and data was processed for reserved and unclassed forests separately. Total availability of timber is estimated as 16.366 million m<sup>3</sup> and 2.115 million m<sup>3</sup> respectively for reserved forests in East and West Siang. The same has also been calculated for unclassed forests of East and West Siang and works out to 37.289 million m<sup>3</sup> and 102.646 million m<sup>3</sup> respectively.

Apart from forest inventory, wood consumption study was also undertaken to ascertain the level of wood consumption in the area. It is believed that the findings of the present report should prove to be useful in better management of the forests on planned and scientific basis. Judicious utilization of vast forest resources will prove to be a valuable input to improve the socio-economic status of the people.

The report has been compiled by Shri S.K. Sen, Jr. Statistical Assistant under the guidance of Shri D.J. Mitra, Deputy Director. The Statistical and Technical Section have extended full cooperation in checking and compilation of the report. Final scrutiny and subsequent modifications wherever necessary were made by Shri N. Sen, Joint Director, Forest Survey of India, Eastern Zone, Calcutta.

The hard work put in by all the staff of the Eastern Zone in carrying out the field work, collection of data, their processing and preparation of the report is thankfully acknowledged. The help and cooperation extended by officials and staff of the Forest Department of Arunachal Pradesh and the administration of East and West Siang district of Arunachal Pradesh during inventory and collection of various data are also thankfully acknowledged.

Director.

**FOREST SURVEY OF INDIA**  
**EASTERN ZONE**  
**CALCUTTA**

**ACKNOWLEDGEMENT**

This organization expresses its gratitude and sincere thanks to Conservator of Forests, Central Arunachal Circle, Pasighat, Deputy Conservator of Forests and their field staff who rendered all possible co-operation to the field parties of our organization during the survey period without which it would not have been possible for them to complete the survey work in scheduled time. Sincere thanks also to the Deputy Commissioner, East & West Siang Districts. Final checking and publication was made under the guidelines of Shri C.D. Singh and Shri S.M. Sahai, Deputy Directors, Forest Survey of India, Eastern Zone, Calcutta. My thanks are expressed to all officers and staff members of Eastern Zone of Forest Survey of India who were entrusted with carrying out the forest inventory and bringing out the report in the present form.

( Madhava Trivedy )  
Joint Director.

**FOREST INVENTORY AT A GLANCE**

<u>Sl.No.</u>	<u>Particulars</u>	<u>District</u>	
		<u>East Siang</u>	<u>West Siang</u>
1.	Geographical area (km <sup>2</sup> )	6512	12006
2.	Forest area (km <sup>2</sup> )	5123	10487
3.	Forest area as percentage of geographical area of the district.	78.67	87.34
4. a)	Dense forests as percentage of district forest area	6.90	14.07
b)	Moderate dense forests as percentage of district forest area.	56.89	39.78
c)	Open forests as percentage of district forest area	20.98	24.61
d)	Scrub forests as percentage of district forest area	8.62	15.16
e)	Bamboo brakes	0.86	2.64
f)	Young plantations of forestry species as percentage of disdrt forest area	-	0.66
5.	Tree data		
i)	No. of stems/ha.	138.24	174.59
ii)	Total stems ('000 No.)	70822	183098
iii)	Volume/ha. (in m <sup>3</sup> )	105.26	99.89
iv)	Total volume ('000 m <sup>3</sup> )	53925	104761

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## CHAPTER:I

### (Background Information)

#### **1.1 Introduction:**

Siang district in the state of Arunachal Pradesh is a mountainous area with a remarkable topographical variety and is endowed with a rich forest wealth.

The name of the district is derived from the mighty Siang river that flows through the district and joins the Bràmhaputra in the plains of Assam.

Prior to 1914, the project area was a part of Lakhimpur district of Assam. In the year 1951, an agency named North Eastern Frontier Agency was formed under the control of a Governor. In 1972, the agency was renamed as Arunachal Pradesh. Recent changes in the area and jurisdiction took place as a result of reorganisation of Arunachal Pradesh with the creation of thirteen districts namely East Kameng, West Kameng, Tawang, Papum pare, Lower Subansiri, Upper Subansiri, East Siang, West Siang, Upper Siang, Dibang valley, Lohit, Changlang and Tirap districts.

Owing to remoteness of forests, difficult terrain, heavy rainfall and paucity of transport and communication, the availability of reliable data with respect to natural forest resources of the district is limited. It was thus imperative that a resources survey on sound statistical technique be carried out so that forestry development in the district could be planned on scientific basis.

#### **1.2 Location and boundary :**

The project area comprises two districts namely East Siang and West Siang. East Siang district is situated within 27°42' N to 28°53' N latitude and 94°44'E to 95°35'E longitude while West Siang district lies within 27°36'N to 29°20' N latitude and 93°57' E to 95°23' E longitude.

#### **1.3 Factors of locality :**

##### **1.3.1 Climate :**

The area experiences tropical climate with three distinct seasons viz.summer, rains and winter. It is blended with hills and plains of varying elevations and is characterised by variation of climate from place to place.

The area witnesses heavy shower during monsoon. Most of the rainfall is received during mid June to mid October. Average rainfall is observed to be as high as 2500 mm. Humidity in the project area varies

between 50% to 95% depending on the season. The summer is severe with maximum temperature reaching upto 45°C while the minimum temperature drops down to 5°C during winter. The soothing period in the project area is from November to February when humidity in the air is least.

### **1.3.2 Edaphic :**

The strucuture and texture of soil vary widely in the project area. The soil is mostly alluvial and slightly acidic. The soil have a higher percentage of sand towards the Siang river. In plains, the soil varies from sandy to sandy loam. On steep slopes, the soil depth is very shallow. The colour of the soil changes from yellowish to reddish and its structure varies from sandy loam to clay loam or clay.

### **1.3.3 Biotic :**

Shifting cultivation is the main biotic factor influencing and regulating the economic condition and future prospect of the project area. Extensive areas are brought under shifting cultivation every year resulting in colossal waste of vast forest wealth.

Occasional fire and grazing have also been inhibiting biotic factors. Damage by wild animals is negligible. Insect and fungus damage is not heavy unless the forest produce is allowed to remain inside the forest during rains or over mature trees are allowed to remain in the forest.

### **1.4 Physical features :**

There are a number of tributaries, streams and streamlets which run through the project area. As such, there is no scarcity of water except on the top of hills. The mighty Siang river joins the Brahmaputra in Assam. It has several tributaries among which Yamme, Simong, and Yembung are worth mentioning. During the rainy season, the rivers often overflow the bank and carry sand, silt and clay.

### **1.5 Geology, rock and soil :**

Geological Survey of India is carrying out investigation of the area. But despite sincere efforts, an area of only 16000 km<sup>2</sup> has been covered by geological mapping on all scales. Thus, a vast area still remains to be covered. The geological succession from north to south is appended below :-

<u>North</u>	<u>Lithic unit</u>	<u>Correlation</u>
<u>Age</u>		
Palaeozoic	Mechika crystallenes in the upper of Siang river Thrust	Darjeeling gneiss
Upper Palaeozoic	Abor volcanies around Tuling Thrust	
Later Proterozoic early Palaeozoic	Quartzites, Slate Phyllites marble Thrust	Tanga group
Upper Palaeozoic	Mini quartzites Abor volcanic basal	Dibang group
Lower palaeozoic	Undifferentiated rocks of Bichom group	Gondirars
Upper tertiary	Bardestons,Pebble sand stones etc.	Tipam

The rocks have undergone intense folding, faulting and thrusting. As a result of complete deformation of the rocks, the older rocks thrust on the younger ones. All the rock units except the tertiary occur in the form of a notch which is geologically known as syntaxis bend of the great Himalayas.

#### 1.6        Natural resources :

##### 1.6.1      Forests :

The topography, climate and above all its fertile soil have made this area favourable for growth of many kinds of trees, shrubs, climbers and herbs. The heterogeneous forests found in the area can be broadly classified into the following types according to Champion and Seth.

- a) Assam Valley Tropical Evergreen Forests(1B/C2b)
- b) Assam Valley Tropical Semi-Evergreen (2B/C10 a,b)
- c) Sub Himalayan High Alluvial Semi Evergreen (2B/C/1S1)
- d) Secondary Moist Bamboo Brakes (2/2S1)
- e) Eastern Hollock Forests (3/1 S2 a,b)
- f) Eastern Himalayan Wet Temperate Forests (11 B/C1 a,b, c.)
- g) East Himalayan Dry Temperate Forests (13/C6)
- h) East Himalayan Dry Juniper Birch Forests (13/C7)

### **1.6.2 Mineral resources :**

The area is rich with various mineral resources like coal, graphite, marble etc. Unfortunately, investigation for mineral resources for bulk of the area is yet to be completed. However, some of the important mineral deposits are as under :

a) Coal: Impersistent pockets of semi carbonised woody lignite occur in association with tertiary sediments. However, the deposits are not economically viable for extraction.

b) Graphite: Deposits of graphite is located near Tai village. It is estimated to be between 130 million tonnes to 150 million tonnes.

c) Marble : Occurrence of marble are reported from Dapli, Lipshni and Mechula in the upper part of Siyom valley.

d) Ferrous metal : Veins of haematite and magnetite of minor significance occur in the boulder of schist. Assemblage of pyrites and chalcopyrites have also been noticed.

e) Clay : Small pockets of grey colour clay are noticed at Paying Dam near Nyrkong. The clay has good plasticity and used as cementing material.

f) Copper : Minor copper ore(copper sulphide) is found near Liromoba and Kameng. They are not as yet viable for economic exploitation.

### **1.6.3 Wildlife :**

To add glory to the natural beauty, the area is endowed with various forms of wildlife of Asiatic origin due to favourable ecological conditions of the area. There are mammals like Leopard, Panther, Jungle Cat, Wild Buffalo, Assamese Macaque, insectivores rodents etc. The Indian elephant ELEPHAS MAXIMAS is fairly common especially near the hills having bamboo and Sal forests. Different kinds of deer like hog deer, barking deer, spotted deer etc. are observed in the thickly wooded hills.

### **1.7 People and their socio-economic condition :**

The economics of the project area do not reflect a rosy hue and it is in fact economically backward since retarding factors like lack of infrastructural facilities, skilled man power, paucity of transport and communication have stood in the way of economic development of the area.

The population of the two districts as per 1981and 1991 Census is as under :

	1981 Census		1991 Census	
	East	West	East	West
Persons	70451	74164	99643	89936
Male	38097	38797	53542	48029
Female	32354	35367	46101	41907

Principal occupation of the local people is cultivation. The cultivators are used to live in their old traditional ways owing to lack of modernisation. The systems of cultivation is mainly 'jhuming'. For this purpose, they clear the forests on hill tops and burn the undergrowth to prepare land for seasonal cultivation.

Besides cultivation, the people have a tradition of artistic craftsmanship which include weavery, smither, bamboo work, baskets etc. Govt is making an all round effort to develop their traditional occupations.

Siang district is an exciting and fascinating corner of Arunachal Pradesh. It is, in fact a country of song and dance. The district is inhabited by local scheduled tribes who are intimately connected by social and cultural bond. "Solung" is the main festival. It is the manifestation of the fertility cult of the people. 'Mopin' is another festival to get rid of the disease and natural calamity.

The tribes of the district are mainly classified under 'ADIES'. They are sub-divided into Gallong, Simong, Minyong, Milleng etc. Radically they are Indo-Mongloid. Their social organisations maintain law and order, decide disputes, take up all activities for the welfare of the people.

### **1.8 Forest inventory- an overview :**

The project area is blessed with a vast and varied potentiality of forest resources since the extent of forest area is quite high ( 84.29% of the geographical area). Although agriculture is the main-stay of the people, the future prospect of this area cannot and must not depend only on agriculture. Forests and forest resources must play a dominant role in the process of social and economic uplift of this lesser developed part of the country.

Estimation of forest resources for the area on scientific basis with required pre-determined degree of accuracy has been a long standing need.

Accordingly, inventory of the area was undertaken on sound statistical footing to furnish a comprehensive assessment of the forest potentialities of the area in the form of a reliable estimate of growing stock of standing trees with a view to make an indepth study to ascertain the viability of industrial prospect of the area.

## CHAPTER: II

### Design and methodology

#### **2.0 General :**

Since the inventory entails a wide spectrum of information and accordingly, data are collected for different parameters on forests and forest types, regeneration, crop composition, soil, land class, biotic interference etc. An approved manual of instructions for field inventory by Forest Survey of India, Dehradun has been followed for carrying out the survey of East and West Siang districts. About 348 sample plots covering an area of 5123 sq.km. were laid out in East Siang district and 455 sample plots were laid out in West Siang district which cover 10487 sq.km. forest area.

#### **2.1 Area selected for inventory :**

Following areas are treated as forest areas for the purpose of forest inventory :

- i) Areas shown in green wash on the Survey of India toposheets.
- ii) All such areas in which woods such as thick jungle, thick forest, dense jungle, open forests, bamboos etc. are printed.
- iii) All those areas indicated by dotted line or spotted line or a pillar line as forest areas.
- iv) Any other areas reported to be forested by local forest department.

#### **2.2 Maps :**

The following Survey of India toposheets in the scale of 1:50,000 were used during the present inventory :

<u>District</u>	<u>Toposheets</u>
East Siang	82 L/13,14, 15, 16, 82 P/1,2,3, 4, 6, 7, 8, 13, 83 I/13 , 83 M/1,5,9
West Siang	82 O/4, 82 P/1,5, 82 K/4,8, 11, 12, 16, 82 L/1,2, 3,5,6,7,8,9,10,11,12,13,14,15,16, 83 I/5,6,9,10,13,14.

#### **2.3 Sampling design :**

- a) Gridding of maps : The design is systematic with grid size of 2.5' x 2.5' of latitude and longitude with two sample plots each of 0.1 ha.area selected from each grid, one at random and the other linked to the first in the opposite direction at an equal distance from the grid centre(Ref.Diagram 2)These plots form the basic sampling unit.

Thus, 72 plots are laid down in a toposheet with 36 grids on 1:50,000 scale. Thus one sample plot of 0.1 ha. represents about 10 sq.km. on the ground and the intensity of sampling is 0.01%. The area of the square shaped sample plot is 0.1 ha. with 31.62 metre sides on ground and 0.6324 mm (say 0.6 mm) on the toposheets of scale 1:50,000.

b) Precision and accuracy of the survey :

The result of the survey would be at the precision level of 95% probability with error limit of  $\pm 10\%$ .

c) Marking of plot centre :

The method of marking of the plot centres of these two sample plots on the map in each grid of 2.5' x 2.5' was as under:

First, the length and width of each grid was measured to smallest convenient scale. The length of the side of the plot as on the map corresponding to 0.1 ha. square plot on the ground was calculated. X and Y are to be the length and width of the grid and 'S' the side of the plot, subtract side 'S' from both sides i.e. find (X-S) and (Y-S). Let the numbers be X' and Y'. Two random numbers, one in the range of 0 to X' and the other in the range of 0 to Y' were selected. These numbers were called x and y respectively. Half of the side of the plot (S/2) to each were added i.e. find  $x + S/2$  and  $y + S/2$ . The  $x + S/2$  and  $y + S/2$  will be the coordinates of the centre of the first plot in the grid considering left hand bottom corner(SW corner) of the grid as origin of the axis. The centre of the second plot was located by joining the centre of the first plot with the grid centre(sampling unit) and extending this line in the opposite direction. A point at an equal distance from the grid centre in the opposite direction was marked which will be the centre of the second plot.

d) Laying out of the plot :

The plot centre is the intersection of digonals of 0.1 ha. plot. Digonals are aligned NW-SE and NE-SW measuring 44.72 m each. After having approached the plot centre with the help of toposheet and reference point corners of the plot are fixed with respect to the plot centre by measuring 22.36 m in each of the directions viz. North-West, South-East, North-East and South-West directions from the plot centre. The North, East, South and Western extremities of the plot are fixed by measuring 15.81 m (or  $22.36/\sqrt{2}$ ) from plot centre to each of these directions(see Diagram 3).

To achieve higher accuracy in reserved forest area, it was decided that the sampling intensity should be increased and accordingly the grid size was taken to be 1'x1' with a plot of 0.1 ha. at the centre.

#### **2.4 Data collection :**

Data in the field are collected by a crew team headed by a crew leader. To visit a plot a prominent reference point is selected in the vicinity of the plot centre. The reference point must be visible on the map and the ground and is marked e.g. a nala junction or an identifiable natural feature on the spot by a peg with appropriate markings. For collection of information in codified form from each sample plot, the following forms are used :

##### **a) Plot approach form :**

It gives an account of details regarding the approach to the plot. All the details from camp site to the plot centre is recorded. Prominent reference point along with bearings is recorded which serves as an aid to reach the plot on a future date.

##### **b) Plot description form :**

The description of several parameters such as geology, soil, landclass, forest type, regeneration, biotic interference etc. are collected and recorded in this form for an area of 2 ha. around the plot.

##### **c) Plot enumeration form :**

This form is filled for each plot. The details recorded are the name of the species, its code and diameter. Trees less than 10 cm. d.b.h. and utility less than 70% are not recorded. Border trees are counted 'IN' when they touch N.W. and S.W. boundaries and considered 'OUT' when they touch N.E. and S.E. boundaries.

##### **d) Bamboo enumeration form :**

This form is designed for enumeration of culms per clump by age of culms and soundness of culms by clump size. Separate forms are used for clump forming and non-clump forming bamboo.

##### **e) Bamboo weight form :**

To determine the green weight and dry weight of bamboo, this form is maintained. Mature bamboos are selected from each diameter class and for each species, 30cm. long pieces from the bottom, middle and top are selected and their green weight recorded. These pieces are properly documented and kept in the base camp and weighed every 30 days till the constant weight is obtained.

f) Sample tree form :

Data for trees with diameter 10 cm. and above at breast height are collected from North west quadrant of the plot. On each sample tree, sample tree card duly filled in is nailed. In this form, additional data e.g. height, defect, sectional and longitudinal information are recorded.

## CHAPTER:III

### Data processing and compilation

#### **3.0      General :**

Data processing is carried out in two phases namely manual processing and processing on computer.

#### **3.1      Manual processing :**

It involves the following steps :

- i) Proper documentation of the field information received.
- ii) Coding the information in the field forms which has not already been incorporated.
- iii) Manual checking of the information filled in the forms.
- iv) Reconciliation of the discrepancies with the help of the field officers.

#### **3.2      Processing on computer :**

Processing on computer includes the following stages :

- i) Loading of the field data on Disc/Tape.
- ii) Consistency checking of the data on computer.
- iii) Corrections of the data to remove discrepancies noticed during consistency checking.
- iv) Preparation of stand and stock table.
- v) Preparation of growing stock tables for different strata.

Suitable computer programmes were prepared for processing various items of work on the electronic computer.

#### **3.3      Input for the computer :**

The information of the field forms after the manual checking were transferred on the disks/floppies. The following data is stored in the disk/floppies for onward processing.

- i) Plot description data
- ii) Plot enumeration data
- iii) Sample tree data
- iv) Bamboo enumeration

### 3.4 Consistency checking :

Suitable computer programmes were prepared for checking the consistency of the data on various card designs for checking the range of variables and the relationship between different variables. The discrepancies discovered were resolved in consultation with the field officers. After correction, the data were loaded on the floppy/disk for onward processing. Listing of the data from the disk were taken to verify if the data had been correctly loaded or not.

### 3.5 Stratification :

A thorough reconnaissance of the forest area depicts clearly the variability in the vegetative character with changing altitude. The distribution and pattern of occurrence of important species follow a definite altitudinal pattern. Accordingly, three distinct strata were identified in each district as under :

<u>Stratum</u>	<u>Altitude(m)</u>
I	Less than 900
II	900-1800
III	More than 1800m+

### 3.6 Volume table :

In absence of felled tree data for East and West Siang districts, volume equation for various species could not be developed. But The volume equations developed for Arunachal Pradesh in earlier surveys were used to calculate the volume of different species. This has been followed because of similarity of vegetation types and bio-climatic factors.

#### 3.6.1 Growing stock :

Analysis of growing stock for plot data was carried out and per hectare figures were worked out for each stratum distributed into various diameter classes. Stems per hectare and total stems were calculated and distribution into various diameter classes were done. Similar calculations i.e. volume per hectare and total volume distributed over different diameter classes were also computed.

Following are the important tables generated for every stratum :

- a) Total stems in all the plots for individual species in diameter classes 10-19cm, 20 -29cm,30-39cm,40-49cm,50-59cm,60-69cm,70-79cm,80-89cm, 90-99cm, and 100cm+.
- b) Stems/ha. for individual species and distribution into diameter classes as earlier.
- c) Total stems by species and diameter classes.
- d) Corresponding volume tables.
- e) Volume/ha. and total volume by species and diameter classes.
- f) Bamboo data for culm and bamboo weight .

## CHAPTER : IV

### Results of inventory

#### **4.0 General :**

Data collected in the field serves as the basic input to the computer. However, prior to feeding the data to the computer, a specially designed consistency checking programme is applied to test the validity of the data. Errors or omissions that may escape manual checking are easily detected in the consistency checks. Errors are corrected and the corrections are incorporated in the data file.

In the present inventory, analysis of the data has been carried out on the district level separately for both the reserved and unreserved forest areas with a view to highlighting the status of vegetation in the areas.

#### **4.1 Inventory coverage :**

Inventory area comprises of East and West Siang districts in Arunachal Pradesh. Area distribution under various categories in both the districts is appended below :-

#### Area statement ( in sq.km.)

<i>State Forest</i>	East Siang (area in sq.km.)	West Siang (area in sq.km.)	<i>Total 18518</i>
Geographical area	6512.00 ✓	12006.00	
Forest area	5123.00 ✓	10487.00 ✓	
Reserved forest area	1140.39 ✓	248.18	
Protected forest area	-	-	
Unclassed forest area	3979.61 ✓	10238.82	
Anchal reserve	3.00	-	

Source: State Forest  
Dept. Arunachal Pradesh

The vegetation in the area reflects distinct variation in composition and character with altitude, and accordingly three distinct strata have been identified. The altitudinal limits and area distribution of the strata are as follows :

Stratum	Altitudinal limit (in mtrs.)	<u>Area of strata in ha.</u>			
		East Siang		West Siang	
		Reserved	Unclassed	Reserved	Unclassed
I	Upto 900	1,04,988 ✓	2,61,315 ✓	16,298 ✓	5,96,385
II	900-1800	9,051	1,34,151	8,150	3,08,748
III	1800+	-	2,795	370	1,18,749
	Total :	1,14,039	3,98,261	24,818	10,23,882

#### 4.2 Plot description data study (East Siang):

Plot description data is recorded by ocular estimation of forests in two hectares of area around the plot and thus the coverage of area is twenty times more than plot enumeration data which is based on 0.1 ha. Various parameters related to the description of the plot are analysed on computer. The results are summarized in the following sub-paragraphs.

##### 4.2.1 Distribution of forest area by land use classes :

Code No.	Land use	Description	No.of plots	Forest area(ha.)	Percentage
1 ✓	Dense tree forest	Forest with canopy density 70% and above	24	35349	6.90
2 ✓	Moderately dense tree forest	Forest with canopy density 30% to 69%	198	291447	56.89
3 ✓	Open tree forest	Forest with canopy density 5 to 29%	73	107480	20.98
4	Scrub forest	Forest with canopy density less than 5%	30	44160	8.62
5 ✓	Bamboo brakes	Areas completely covered with bamboo	3	4406	0.86
6 ✓	Shifting cultivation	Areas under current as well as previous years shifting cultivation	11	16189	3.16
7 ✓	Young plantation of forest species		-	-	-
8 to 10	Trees in line	Trees along forest road, canal banks, rly lines and Govt.grass land etc.	1	1486	0.29
11	Barren land	-	1	1486	0.29
12	Agriculture land without trees	-	-	-	-
13	Agricultural land with trees	-	-	-	-
14	Nonforestry plantation	-	-	-	-
15	Habitation	-	2	2920	0.57
16	Water bodies	-	4	5891	1.15
18	Young crop of natural or artificial regeneration	-	-	-	-
•	Unrecorded	-	1	1486	0.29
	Total :		348	512300	100.00

#### 4.2.2 General topography :

East Siang district is primarily a hilly area with undulating configuration. The break up of topography in various classes is as below :-

Code	Topography	No.of plots	Area in ha.	Percentage
1	Flat	43	63320	12.36
2	Gently rolling	20	29458	5.75
3	Hilly	160	235555	45.98
4	Very hilly	122	179561	35.05
	Unrecorded	3	4406	0.86
<b>Total :-</b>		<b>348</b>	<b>512300</b>	<b>100.00</b>

The aforesaid table clearly shows that more than 80% of the forest area in East Siang District falls in hilly or very hilly areas

#### 4.2.3 Aspect :

The distribution of the forest area under various aspect is as below :-

Code	Aspect	No.of plots	Forest area (ha.)	Percentage
1	Northern	22	32377	6.32
2	North-eastern	54	79509	15.52
3	Eastern	33	48566	9.48
4	South-eastern	49	72132	14.08
5	Southern	43	63320	12.36
6	South-western	52	76538	14.94
7	Western	29	42675	8.33
8	North-western	26	38269	7.47
9	No aspect Unrecorded	35 5	51537 7377	10.06 1.44
<b>Total:</b>		<b>348</b>	<b>512300</b>	<b>100.00</b>

#### 4.2.4 Rockiness :

Rockiness in the district is negligible and extent of rocky area is not vast as shown in the following table :-

Code	Rockiness	No of plots	Forest area in ha.	Percentage
1	High	1	1486	0.29
2	Medium	30	44160	8.62
3	Low	77	113372	22.13
4	No rock	237	348876	68.10
	Unrecorded	3	4406	0.86
<b>Total:</b>		<b>348</b>	<b>512300</b>	<b>100.00</b>

The above table on rockiness shows that the percentage of area under rockiness is about 31.04% only.

#### 4.2.5 Soil consistency :

Soil in the area is favourable for vegetative growth as mostly the soil is slightly compact. Following is the results of survey :-

Code	Soil consistency	No.of plots	Forest area in ha.	Percentage
1	Friable	35	51537	10.06
2	Slightlycompact	292	429820	83.90
3	Compact	14	20594	4.02
4	Cemented	1	1486	0.29
5	No soil	1	1486	0.29
	Unrecorded	5	7377	1.44
<b>Total :</b>		<b>348</b>	<b>512300</b>	<b>100.00</b>

#### 4.2.6 Soil Texture :

Texture of soil in East Siang is predominantly loamy. The distribution of texture is as below :-

Code	Soil texture	No.of plots	Forest area in ha.	Percentage
1	Clayey	-	-	-
2	Clayey loam	70	103023	20.11
3	Loam	160	235556	45.98
4	Sandy loam	104	153126	29.89
5	Sandy	6	8812	1.72
	Unrecorded	8	11783	2.30
	<b>Total:</b>	<b>348</b>	<b>512300</b>	<b>100.00</b>

The aforesaid table clearly shows that the soil of the area is loamy to sandy loamy and is thus potentially rich for vegetative growth.

**4.2.7      Soil erosion :**

Soil is prone to erosion. But edaphic factors combined with climatic factors kept erosion in the area low. Soil erosion in the area has never been of extreme nature. The erosion status in the area is as under :-

<b>Code</b>	<b>Soil erosion</b>	<b>No.of plots</b>	<b>Forest area in ha.</b>	<b>Percentage</b>
1	Heavy erosion	35	51537	10.06
2	Moderate erosion	67	98618	19.25
3	Mild erosion	217	319471	62.36
4	No erosion	22	32377	6.32
	Unrecorded	7	10297	2.01
	<b>Total:</b>	<b>348</b>	<b>512300</b>	<b>100.00</b>

The above table clearly shows that erosion in the area is mostly of mild nature. Heavy erosion is very rare and accounts for barely 10.06% of the project area.

**4.2.8      Origin of stand :-**

Forests, in general, are natural forests. The distribution under various categories is as below :

<b>Code</b>	<b>Origin of stand</b>	<b>No.of plots</b>	<b>Forest area in ha.</b>	<b>Percentage</b>
1	Natural forests (seed origin)	324	476951	93.10
2	Natural forests(copies origin)	-	-	-
3	Manmade forest	3	4406	0.86
	Unrecorded	21	30943	6.04
	<b>Total:-</b>	<b>348</b>	<b>512300</b>	<b>100.00</b>

#### **4.2.9 Crop composition :**

Forest crop has been described in P.D.F according to the occurrence of crop in the surrounding of 2 ha. Following is the pattern of crop:-

Code	Crop composition ✓	No.of plots	Forest area in ha.	Percentage
12	Bamboo forest	3	4406	0.86
20	Miscellaneous forest	325	478437	93.39
	Unrecorded	20	29457	5.75
	<b>Total:-</b>	<b>348</b>	<b>512300</b>	<b>100.00</b>

Thus, the forests in the area was found to be predominantly miscellaneous.

#### **4.2.10 Size classes :**

Small timber size class is quite prominent followed by big timber and mixed size class as shown in the following table :-

Code No.	Item	Description Crop	No.of plots	Area in ha.	Percentage
1✓	Regeneration	Below 10 cm.	20	29457	5.75
2✓	Pole crop	Between 10-20cm.	61	89806	17.53
3✓	Small timber	Between 20-30cm.	93	136887	26.72
4✓	Big timber	Trees with 30cm.above	82	120698	23.56
5✓	Mixed size Unrecorded	No marked domination of any size class	72 20	105995 29457✓	20.69 5.75
	<b>Total</b>		<b>348</b>	<b>512300</b>	<b>100.00</b>

The above table shows that percentage of small timber is about 26.72% of the total crop followed by small timber and mixed sizes timber account for 23.56% and 20.69% respectively.

#### **4.2.11 Intensity of regeneration :**

As per guidelines laid down in the "Manual of instructions for field inventory" of the F.S.I. regeneration status was considered only for some of the important species in the district. Thus the present study does not reflect the general regeneration status of all the species in the district.

Regeneration of crop in the area is observed to be unsatisfactory for important species as indicated by the following table :

Code	Regeneration	No.of plots	Forest area in ha.	Percentage
1	Profuse	3	4406	0.86
2	Adequate	45	66240	12.93
3	Inadequate	116	170750	33.33
4	Absent	157	231150	45.12
5	Damaged	-	-	-
	Unrecorded	27	39754	7.76
	<b>Total:</b>	<b>348</b>	<b>512300</b>	<b>100.00</b>

#### **4.2.12 Injuries to crop :**

Biotic interference of crop specially illicit felling is severe in the area as shown in the following table :

Code No.	Details	No.of plots	Area in ha.	Percentage
1	Borer attack,leaf defoliater attack or damage by other rest epidemic	-	-	-
2	Top drying	-	-	-
3	Girdling and illicit felling	181	266396	52.00
4✓	Scarring of trees	20	29457	5.75
5	Lopping for fodder	-	-	-
6	Wind damage and flood damage	4	5891	1.15
7	Other injuries	76	111886	21.84
8	No injuries Unrecorded	47 20	69213 29457	13.51 5.75
	<b>Total</b>	<b>348</b>	<b>512300</b>	<b>100.00</b>

#### **4.2.13 Fire incidence :**

Incidence of fire is a natural hazard. Occurrence of fire incidence in the area is as shown below :-

Code	Item	No.of plots	Forest area in ha.	Percentage
1	Very heavy	-	-	-
2	Frequent	28	41240	8.05
3	Occasional	66	97183	18.97
4	No fire Unrecorded	235 19	345956 27921	67.53 5.45
	<b>Total:</b>	<b>348</b>	<b>512300</b>	<b>100.00</b>

Thus, it is evident that fire incidence in the area is not a major biotic hazard in the project area.

#### **4.2.14 Grazing incidence :-**

Grazing in the project area is not a severe biotic hazard. Percentage of grazing under various categories is shown below :-

<b>Code No.</b>	<b>Item</b>	<b>No.of plots</b>	<b>Forest area in ha.</b>	<b>Percentage</b>
1	Heavy grazing	8	11783	2.30
2	Medium grazing	72	105995	20.69
3	Light grazing	114	167829	32.76
4	No grazing	136	200207	39.08
	Unrecorded	18	26486	5.17
	<b>Total :</b>	<b>348</b>	<b>512300</b>	<b>100.00</b>

Thus, it is evident that heavy grazing is practically absent in the project area and grazing is mostly of a very light nature.

#### **4.2.15 Presence of grass :**

About 2 ha. area around the sample plot is studied to classify the presence of grass. Presence of grass in the district is rather scarce. Following is the classification.

<b>Code No.</b>	<b>Item</b>	<b>No.of plots</b>	<b>Forest area in ha.</b>	<b>Percentage.</b>
1	Very dense	-	-	-
2	Dense	3	4406	0.86
3	Moderate	36	52972	10.34
4	Scanty	151	222287	43.39
5	Absent	139	204664	39.95
	Unrecorded	19	27971	5.46
	<b>Total :-</b>	<b>348</b>	<b>512300</b>	<b>100.00</b>

Thus, presence of grass in the project area is mostly scanty.

### **4.3 Plot description study ( West Siang )**

Various parameters related to the description of the plot are analysed and the results are summarized in the following sub-paragraphs for West Siang district.

#### **4.3.1 Distribution of forest area by land use classes :**

Code No.	Land use	Description	No.of plots	Forest area(sq. km.)	Percentage
1	Dense tree forest	Forest with canopy density 70% and above	64	1475	14.07
2	Moderately dense tree forest	Forest with canopy density 30% to 69%	181	4173	39.78
3	Open tree forest	Forest with canopy density 5 to 29%	112	2581	24.61
4	Scrub forest	Forest with canopy density less than 5%	69	1590	15.16
5	Bamboo brakes	Areas completely covered with bamboo	12	277	2.64
6	Shifting cultivation	Areas under current as well as previous year shifting cultivation	5	115	1.10
7	Young plantation of forestry species		3	69	0.66
8 to 10	Trees in line	Trees along forest road, canal banks, rly lines and Govt. grass land etc.	-	-	-
11	Barren land		2	46	0.44
12	Agriculture land without trees		-	-	-
13	Agricultural land with trees		-	-	-
14	Non forest plantation		-	-	-
15	Habitation		-	-	-
16	Water bodies		1	23	0.22
18	Young crop of natural or artificial regeneration		4	92	0.88
	Unrecorded		2	46	0.44
		Total :	455	10487	100.00

#### **4.3.2 General topography :**

Major percentage of the topography of West Siang is hilly to very hilly. Flat area is rather scarce. The distribution is as below :

Code No.	Topography	No.of plots	Forest area(ha.)	Percentage
1	Flat	-	-	-
2	Gently rolling	21	48450	4.62
3	Hilly	216	497818	47.47
4	Very hilly	217	500125	47.69
	Unrecorded	1	2307	0.22
	<b>Total:</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

#### **4.3.3 Aspect :**

The percentage distribution of aspect is as below:

Code No.	Aspect	No.of plots	Forest area in ha.	Percentage
1	Northern	39	89874	8.57
2	North eastern	69	158983	15.16
3	Eastern	36	82952	7.91
4	South eastern	93	214459	20.45
5	Southern	39	89874	8.57
6	South-western	87	200511	19.12
7	Western	27	62188	5.93
8	North -western	63	145245	13.85
9	No aspect	-	-	-
	Unrecorded	2	4614	0.44
	<b>Total:</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

#### **4.3.4 Rockiness:**

Heavy rocky area is negligible and about 58.02% of the forest area belong to no rock zone. Percentage of rockiness is as under :

Code No.	Rockiness	No.of plots	Forest area in ha.	Percentage
1	High	4	9228	0.88
2	Medium	133	306536	29.23
3	Low	52	119866	11.43
4	No rock	264	608456	58.02
	Unrecorded	2	4614	0.44
	<b>Total:</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

#### **4.2.5 Soil consistency :**

The soil of the area is favourable for vegetative growth. Most of the forest area is under slightly compact soil. Distribution of soil consistency classes is as below:

Code No.	Soil consistency	No.of plots	Forest area in ha.	Percentage
1	Friable	11	25378	2.42
2	Slightly compact	416	958827	91.43
3	Compact	25	57574	5.49
4	Cemented	2	4614	0.44
5	No soil	-	-	-
	Unrecorded	1	2307	0.22
	<b>Total:</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

#### **4.3.6 Soil texture :**

Texture of soil in West Siang district ranges between clay loam and sandy loam. The distribution of texture is given below:

Code No.	Item	No.of plots	Forest area in ha.	Percentage
1	Clayey	10	23071	2.20
2	Clayey loam	153	352678	33.63
3	Loam	173	398716	38.02
4	Sandy loam	117	269621	25.71
5	Sandy	1	2307	0.22
6	No soil	-	-	-
	Unrecorded	1	2307	0.22
	<b>Total:</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

#### 4.3.7 Soil erosion :

Soil is prone to erosion . But edaphic factors combined with climatic factors have kept the erosion at low level. This is shown below :

Sl.No.	Item	No.of plots	Forest area in ha.	Percentage
1	Heavy erosion	43	99102	9.45
2	Moderate erosion	61	140631	13.41
3	Mild erosion	329	758210	72.30
4	No erosion	6	13843	1.32
	Unrecorded	16	36914	3.52
	<b>Total:</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

#### 4.3.8 Origin of stand :

It is observed that most of the forest pertains to seed origin. Origin of forest stand is classified as shown below :

Code No.	Item	No.of plots	Area in ha.	Percentage
1	Natural forest (seed origin)	412	949598	90.55
2	Natural forest (coppice origin)	25	57574	5.49
3	Manmade forest	5	11536	1.10
	Unrecorded	13	29992	2.86
	<b>Total :-</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

The aforesaid table clearly shows that manmade forest raised artificially either by sowing or by planting is barely 1.10% of the total forest area.

#### 4.3.9 Crop composition :

Crop composition is studied around an area of 2 hectare. The crop composition for West Siang is given below :

Code No.	Item	No.of plots	Forest area in ha.	Percentage
1	Fir	1	2307	0.22
2	Spruce	1	2307	0.22
3	Fir spruce	1	2307	0.22
6	Chir Pine	10	23071	2.20
8	Hardwood mixed with conifers	4	9228	0.88
9	Upland hardwood	35	80646	7.69
10	Teak	1	2307	0.22
12	Bamboo forest	16	36914	3.52
20	Miscellaneous	376	866542	82.63
	Unrecorded	10	23071	2.20
	<b>Total:</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

Thus, it is clear that miscellaneous forest accounts for about 82.63% of the total forest followed by upland hardwood and bamboo forest.

#### **4.3.10 Size class :**

Size class is determined as per the use to which the tree crop of a stand is put. The size class is classified as below :-

Code No.	Item	No.of plots	Forest area in ha.	Percentage
1	Regeneration (Crop below 10cm.dia. predominating)	47	108331	10.33
2	Pole(Crop between 10-20cm.dominating)	97	223583	21.32
3	Small timber (20-30cm.dia. predominating)	65	149859	14.29
4	Big timber(30cm.dia.and over predominating)	54	124481	11.87
5	Mixed size class (Trees crop with no marked domination)	179	412558	39.34
	Unrecorded	13	29888	2.85
	<b>Total</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

The size class appears to be well represented.

#### **4.3.11 Intensity of regeneration :**

Established regeneration of economically important species is considered under this parameter. Established regeneration is one which has attained the diameter between 2-10 cm. dia. at breast height.

The intensity of regeneration for the project area is as under :-

<b>Code No.</b>	<b>Item</b>	<b>No.of plots</b>	<b>Forest area in ha.</b>	<b>Percentage</b>
1	Profuse	16	36914	3.52
2	Adequate	50	115252	10.99
3	Inadequate	179	412559	39.34
4	Absent	146	336528	32.09
5	Damaged	-	-	-
	Unrecorded	64	147447	14.06
	<b>Total:</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

The above table shows that profuse regeneration is scarce for important species.

#### **4.3.12 Injuries to crop :**

Illicit felling is the major biotic hazard in the area. Various injuries to the crop is as below :-

<b>Code No.</b>	<b>Item</b>	<b>No.of plots</b>	<b>Area</b>	<b>Percentage</b>
1	<del>Border</del> Border attack, leaf defoliater attack and other pest epidemic	1	2307	0.22
2	Top drying	-	-	-
3	Gridling and illicit felling	232	534732	50.99
4	Scarring of trees	85	195897	18.68
5	Lopping for fodder	-	-	-
6	Wind damage and flood damage	11	25379	2.42
7	Other injuries(climber damage,lightening damage,wildlife damage)	86	198309	18.91
8	No injury	29	66802	6.37
	Unrecorded	11	25274	2.41
	<b>Total:</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

The aforesaid table reflects a gloomy picture of biotic interference. It is observed that injuries to crop in the form of illicit felling is

rampant in the project area. About 51% of the forest area is subjected to illicit felling.

#### **4.3.13 Fire incidence :**

The other form of biotic interference like fire hazard is estimated occularly. The classification of various forms of fire incidence is furnished below :

<b>Code No.</b>	<b>Item</b>	<b>No.of plots</b>	<b>Forest area in ha.</b>	<b>Percentage</b>
1	Very heavy	5	11536	1.10
2	Frequent	98	225890	21.54
3	Occasional	137	315763	30.11
4	No fire	208	479361	45.71
	Unrecorded	7	16150	1.54
	<b>Total</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

The table shows that occasional fire in the area is 30.11% while frequent fire is 21.54%. It is, therefore, apparent that fire hazard in the area demands attention.

#### **4.3.14 Grazing incidence :**

Depending upon the intensity of grazing, the grazing incidence is classified as under :

<b>Code No.</b>	<b>Item</b>	<b>No.of plots</b>	<b>Forest area in ha.</b>	<b>Percentage</b>
1	Heavy grazing	27	62188	5.93
2	Medium grazing	152	350370	33.41
3	Light grazing	158	364109	34.72
4	No grazing	111	255883	24.40
	Unrecorded	7	16150	1.54
	<b>Total</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

Thus, it is evident that heavy grazing is practically rare and accounts for 5.93% only, while medium and light grazing accounts for 33.41% and 34.72% respectively.

#### **4.3.15 Presence of grass :**

In estimating the presence of grass in the plot, an area of 2 ha. around the plot is taken into consideration. Presence of grass is classified as given under :

Code No.	Item	No.of plots	Area in ha.	Percentage
1	Very dense(50% area covered by grass)	2	4614	0.44
2	Dense(25-50% covered)	15	34607	3.30
3	Moderate(10-25% covered)	63	145245	13.85
4	Scanty(Less than 10% of the surface)	304	700637	66.81
5	Absent(no grass)	64	147447	14.06
	Unrecorded	7	16150	1.54
	<b>Total :</b>	<b>455</b>	<b>1048700</b>	<b>100.00</b>

Thus, it is evident from the above table that percentage of very dense grass in the area is rather rare. Presence of grass in the area is mostly scanty and accounts for about 66.81% of the area.

#### **4.4 Tree density study :**

Analysis of the crop by species and diameter class has been carried out for each stratum separately. It would be evident from the following tables that the district is quite rich in occurrence of trees. An abstract showing the number of stems /ha. by district, stratum, reserved and unclassed forest is furnished below :

##### **Statement A:**

District	Stratum	Altitude	Number of stems/ha.	
			Reserved	Unclassed
East Siang	I	Upto 900 m.	167.715	86.759
	II	900 to 1800 m	278.000	208.922
	III	1800 m.and above	-	-
West Siang	I	Upto 900 m	122.400	182.460
	II	900 to 1800 m	160.859	192.532
	III	1800 m.and above	-	97.100

##### **4.4.1 Stratum I (upto 900m) Reserved-East Siang :**

The average number of stems per hectare in the stratum is 167.715. Important species occurring in the stratum is as under :

Name of species	Stem per hectare	Percentage
Albizia spp.	6.897	4.11
Canarium spp.	8.275	4.93
Castanopsis indica	6.206	3.70
Duabanga grandiflora	6.378	3.80
Kydia calycina	5.171	3.08
Michelia spp.	6.206	3.70
Terminalia myriocarpa	6.722	4.00

Although the number of stems per hectare is quite high, the number of stems in matured diameter class above 40cm. is not encouraging as given under :

Diameter class	Stems per ha.	Percentage
10-19 cm	78.437	46.76
20-29 cm	38.267	22.81
30-39 cm	23.445	13.98
40 cm.+	27.566	16.45

The above table clearly shows that the crop in the above stratum is in regeneration stage and as such 47% of the total stems fall below 20cm. diameter.

#### 4.4.2 Stratum I (upto 900m) Unclassed -East Siang

The number of stems per hectare in the stratum is 86.759. Important species occurring in the stratum are as under :

Species name	Stem per hectare	Percentage
Duabanga grandiflora	5.273	6.07
Castanopsis indica	3.872	4.46
Castanopsis spp.	4.465	5.14
Albizia species	3.282	3.78
Ficus species	5.81	6.69
Kydia calycyna	4.628	5.33

Most of the trees in the stratum fall in the diameter class(10-19)cm. The distribution of the trees by diameter classes is as under:-

Diameter class	Stems per ha.	Percentage
10-19cm	42.506	48.99
20-29cm.	22.386	25.80
30-39cm.	10.659	12.28
40 cm.+	11.208	12.91

Thus, it is evident that percentage of crop in the matured diameter classes is significantly low.

#### 4.4.3 Stratum II (900-1800m) Reserved- East Siang :

The number of stems per hectare in the stratum is 278. Important species occurring in the stratum is given below :

Species name	Stem per hectare	Percentage
Castanopsis species	40	14.3
Amoora spp	32	11.5
Quercus spp.	32	11.5
Kydia calycina	20	7.19
Terminalia spp.	20	7.19

Most of the species belong to the regeneration class. The distribution of the species by diameter classes is as under :-

Diameter class	Stems per ha.	Percentage
10-19cm	146.000	52.52
20-29cm.	46.000	23.02
30-39cm	44.000	15.83
40cm+	24.000	8.63

Thus, it clearly shows that the occurrence of matured trees above 40cm. diameter is only about 8.63%.

#### 4.4.4 Stratum II (900-1800m) Unclassed -East Siang:

The number of stems in the stratum is 208.922. Major species occurring in the stratum is as under :

Name of species	Stem per hectare	Percentage
Castanopsis spp.	17.646	8.44
Albizzia spp.	12.444	5.95
Castanopsis species	9.792	4.68
Kydia calycyna	5.406	2.58
Saurania nepalensis	5.508	2.63
Terminalia myriocarpa	6.018	2.88

The distribution of the species by diameter class is as below :-

Diameter class	Stems/ha.	Percentage
10-19cm.	102.806	49.20
20-29cm	50.628	24.23
30-39cm.	27.234	13.03
40+	28.254	13.54

The above distribution shows that most of the trees in the stratum belong to the younger diameter class i.e. below 20cm. diameter and the percentage of trees belonging to the matured class above 40cm. diameter is significantly low.

#### 4.4.5 Stratum I (upto 900m) Reserved-West Siang :

The average number of stems per hectare in the stratum is 122.400. Important species occurring in the stratum is as under :-

Species name	Stems/ha.	Percentage
Castanopsis species	11.740	9.59
Gmelina arborea	7.609	6.21
Macaranga indica	6.740	5.51
Tectona grandis	5.870	4.79
Ficus spp.	5.216	4.26
Callicarpa arborea	5.000	4.08
Dubabanga grandiflora	4.131	3.37

The above distribution clearly shows that Castanopsis species is dominant in the stratum followed by Gmelina arborea.

Distribution of species according to diameter classes is given below:

Diameter class	Stems/ha.	Percentage
10-19cm.	81.543	66.62
20-29cm.	21.519	17.58
30-39cm.	7.823	6.39
40+	11.515	9.41

Thus, the aforesaid table clearly shows that major portion of the crop pertains to young regeneration crop. The percentage of stems belonging to the diameter classes above 40cm. is barely 9.41%.

#### **4.4.6 Stratum I (upto 900m) Unclassed-West Siang :**

The number of stems per hectare in the stratum is 182.460. Major species occurring in the stratum is as below :-

<b>Species name</b>	<b>Stem/hectare</b>	<b>Percentage</b>
Castanopsis species	31.338	17.17
Callicarpa arborea	7.514	4.11
Ficus spp	5.436	2.98
Macaranga indica	5.967	3.27
Terminalia myriocarpa	3.490	1.91

It is evident that Castanopsis species is most dominant in the stratum.

Distribution of trees by diameter classes is as under :

<b>Diameter class</b>	<b>Stems/ha.</b>	<b>Percentage</b>
10-19cm.	120.922	66.27
20-29cm.	34.207	18.74
30-39cm.	12.942	7.09
40+	14.389	7.90

The stems in this stratum also belong to the regeneration size class and the number of stems belonging to the diameter class 40cm . and above is very low :

#### **4.4.7 Stratum II (900-1800m) Reserved-West Siang:**

Number of stems in the stratum per hectare is 160.859. Important species in the stratum is as follows :-

<b>Species name</b>	<b>Stem per hectare</b>	<b>Percentage</b>
Castanopsis species	23.632	14.69
Amoora spp	10.452	6.49
Cinnamomum spp.	9.543	5.93
Ficus spp	7.271	4.52
Dysoxylum binectariferum	4.999	3.10

Thus, it is clear that Castanopsis is dominant followed by Amoora and Cinnamomum species.

Distribution of species into various diameter classes is furnished as below :

Diameter class	Stems/ha.	Percentage
10-19cm.	79.075	49.15
20-29cm.	39.988	24.85
30-39cm.	19.084	11.86
40+	22.712	14.14

The table clearly shows that nearly 50% of the stem pertain to the diameter class(10-19 cm) and number of stems belonging to the diameter classes 40+ cm. and above is only 14.14%.

#### 4.4.8 Stratum II (900-1800m) Unclassed - West Siang :

Number of stems per hectare in the stratum is 192.538 Major species with their percentage is appended below :-

Species name	Stem/hectare	Percentage
Castanopsis species	17.357	9.01
Callicarpa arborea	4.189	2.17
Cinnamomum species	4.616	2.39
Eurya japonica	4.788	2.48
Saurania nepaulensis	4.959	2.57

The presence of Castanopsis species in the stratum is most striking while other species are not at all prominent.

Distribution of species into various diameter classes is as under:

Diameter class	Stems/ ha.	Percentage
10-19cm.	115.773	60.13
20-29cm.	40.721	21.15
30-39cm.	18.394	9.55
40+	17.650	9.17

Thus, about 60% of the stems pertain to the diameter class (10-19cm). Number of stems falling in the matured diameter classes 40cm. and above is barely 9.17%.

#### 4.4.9 Stratum III (1800m and above) Unclassed-West Siang:

Number of stems per hectare in the stratum is 97.1 Major species occurring in the stratum is appended below :

Species name	Stem per hectare	Percentage
Quercus species	9.777	10.06
Rhododendron species	9.109	9.38
Pinus roxburghii	6.221	6.40
Quercus lanuginosa	3.777	3.88
Pyrus species	4.888	5.03

The above distribution clearly reveals that due to altitudinal variation above 1800metre, the species composition drastically changes and species like Pinus, Quercus, Pyrus and Rhododendron are quite predominant in this stratum.

The distribution of species into diameter classes is given below :-

Diameter class	Stems/ha.	Percentage
10-19cm.	54.891	56.53
20-29cm.	17.330	17.84
30-39cm.	9.998	10.29
40cm.+	14.881	15.34

#### 4.4.10 Total Stems :

The total number of stems in different stratum by species and diameter classes has been estimated. These are summerised below :

District	Stratum	Altitude in mtr.	Total no.of stems ('000 no)	
			Reserved	Unclassed
East Siang	I	Upto 900 m	17608	+ 22671
	II	900 to 1800 m	2516	+ 28027
	III	1800m& above	-	-
		<b>Total:</b>	<b>20124</b>	<b>50698</b> 70822
West Siang	I	Upto 900 m	1995	108816
	II	900 to 1800 m	1311	59446
	III	1800m & above	-	11530
		<b>Total:</b>	<b>3306</b>	<b>179792</b>

Thus, total number of stems in East and West Siang district are 70.822 millions and 183.098 millions respectively.

Total number of stems for some of the dominant species in different stratum are summerised below :

#### Stratum I - Reserved forests :

##### East Siang District:

Species	Total stems('000 no)
Albizia species	724
Canarium species	869
Castanopsis indica	651
D unabanga grandiflora	670
Kydia calycina	543
Michelia spp.	652
Terminalia myriocarpa	706

##### West Siang District:

Castanopsis species	191
Gmelina arborea	124
Macaranga indica	110
Tectona grandis	96
Ficus spp.	85
Callicarpa arborea	81
D unabanga grandiflora	67

Stratum II -  
Reserved forests :

East Siang District:

Species Name	Total stems('000 no.)
Castanopsis species	362
Amoora species	290
Quercus species	290
Kydia calycina	181
Terminalia species	181

West Siang District :

Castanopsis species	193
Amoora species	85
Cinnamomum species	78
Ficus species	59
Dysoxylum binectariferum	41

Stratum I,  
Unclassed :

East Siang District :

Species name	Total stems('000 no )
Duabanga grandiflora	1378
Castanopsis indica	1012
Castanopsis species	1167
Albizia species	858
Ficus species	1518
Kydia calicina	1209

West Siang District :

Castanopsis species	18689
Callicarpa arborea	4481
Ficus species	3242
Macaranga indica	3559
Terminalia myriocarpa	2081

Stratum II,  
Unclassed :

East Siang District :

Species name	Total stems('000 no )
Castanopsis species	2367
Albizzia species	1669
Castanopsis indica	1314
Kydia calycyna	725
Saurania nepaulensis	739
Terminalia myriocarpa	807

West Siang District :

Species name	Total stems('000 no)
Castanopsis species	5359
Callicarpa arborea	1293
Cinnamomum species	1425
Eurya japonica	1478
Saurania nepaulensis	1531

Stratum III,  
Unclassed :

West Siang District :

Species Name	Total stems('000 no )
Quercus species	1161
Rhododendron species	1082
Pinus roxburghii	739
Quercus lanuginosa	448
Pyrus species	580

**4.5      Stock tables :**

Volume per hectare and total volume have been calculated for each stratum separately. Volume study for each stratum is given in the following sub-paragraphs. An abstract showing the volume / ha. by district, stratum, reserved and unclassed forest is, however, furnished below :

**Statement B:**

District	Stratum	Altitude class (metere)	Volume( m <sup>3</sup> ) per ha.	
			Reserved	Unclassed
East Siang	I	Upto 900 m	140.515	64.911
	II	900-1800 m	208.123	151.525
	III	1800 m and above	-	-
West Siang	I	Upto 900 m	54.728	89.963
	II	900 - 1800 m	150.107	123.570
	III	1800 m and above	-	91.303

**4.5.1 Stratum I (Upto 900m)**

**Reserved-East Siang :-**

Volume per hectare in the stratum is 140.515 m<sup>3</sup>. It is observed that Terminalia myriocarpa is the major volume contributing species in the stratum and accounts for 8.98% of the total volume.

Volume per hectare and their percentage for major volume doners are furnished below :

Name of the species	Volume/ha.(m3)	Percentage
Terminalia myriocarpa	12.614	8.98
Duabanga grandiflora	10.501	7.47
Kydia calycina	7.571	5.38
Michelia species	6.169	4.39
Stereospermum personatum	5.383	3.83
Castanopsis indica	6.252	4.44

Distribution of volume by diameter classes is as under :

Diameter class	Volume/ha.(in m <sup>3</sup> )	Percentage
10-19cm.	9.666	6.87
20-29cm.	19.405	13.81
30-39cm.	26.391	18.78
40cm.+	85.053	60.54

**4.5.2 Stratum I (Upto 900m) Unclassed-East Siang :**

Volume per hectare in the stratum is 64.911m<sup>3</sup>. Major volume contributing species with volume per hectare and percentage are furnished below :

Species name	Volume per hectare	Percentage
Duabanga grandiflora	6.027	9.28
Terminalia myriocarpa	4.651	7.16
Other Castanopsis spp.	5.141	7.92
Castanopsis indica	4.536	6.98
Albizzia spp.	3.623	5.58

Distribution of volume by diameter classes is as under :

Diameter class	Volume/ha.(m <sup>3</sup> )	Percentage
10-19cm.	5.011	7.72
20-29cm.	10.969	16.89
30-39cm.	11.522	17.75
40cm.+	37.409	57.64

#### 4.5.3 Stratum II (900m - 1800m) Reserved-East Siang :

Volume per hectare in the stratum is 208.123m<sup>3</sup>. Kydia calycina is the major volume contributing species and accounts for about 19% of the total volume. Major volume donor species in the stratum is furnished below :

Name of species	Volume/ha.,(m <sup>3</sup> )	Percentage
Kydia calycina	39.559	19.00
Terminalia myriocarpa	24.109	11.58
Duabanga grandiflora	20.166	9.68
Albizzia procera	13.256	6.36
Castanopsis indica	10.435	5.01

Distribution of volume by diameter classes is as below :-

Diameter class	Volume/ha. (in m <sup>3</sup> )	Percentage
10-19cm.	16.211	7.78
20-29cm.	31.973	15.36
30-39cm.	28.454	13.67
40cm+	131.485	63.19

#### 4.5.4 Stratum II (900m - 1800m) Unclassed -East Siang:

Volume per hectare in the stratum is 151.525m<sup>3</sup>. Castanopsis indica is the major volume contributing species in the stratum and accounts for 13% of the total volume. Important volume contributing species , volume per hectare and percentage are furnished below :

Species Name	Volume/ha.(m <sup>3</sup> )	Percentage
Other Castanopsis species	15.421	10.17
Castanopsis indica	13.198	8.71
Terminalia myriocarpa	12.972	8.56
Duabanga grandiflora	9.831	6.48
Albizia spp.	9.068	5.98

Distribution of volume by diameter classes is as below :

Diameter class(in cm.)	Volume per ha.(in m <sup>3</sup> )	Percentage
10-19	11.988	7.91
20-29	25.521	16.84
30-39	30.641	20.22
40+	83.375	55.03

#### 4.5.5 Stratum I (Upto 900m) Reserved -West Siang :

Volume per hectare in the stratum is 54.728 m<sup>3</sup>.

Major volume contributing species with volume per hectare and their percentage are furnished below :

Name of species	Volume per ha.(in m <sup>3</sup> )	Percentage
Other Castanopsis species	8.993	16.43
Castanopsis indica	3.038	5.55
Duabanga grandiflora	3.886	7.10
Ficus spp.	4.740	8.66
Gmelina arborea	3.796	6.93
Bombax ceiba	2.258	4.12
Terminalia myriocarpa	2.525	4.61

Distribution of volume in the stratum according to diameter classes is as below :

Diameter class	Volume / ha.( in m <sup>3</sup> )	Percentage
10 - 19 cm.	8.846	16.16
20-29 cm.	9.606	17.55
30-39 cm.	8.148	14.88
40+ cm.	28.128	51.41

#### 4.5.6 Stratum I (Upto 900m) Unclassed -West Siang :

The volume per hectare to the stratum is 89.963 m<sup>3</sup>. It is observed that Castanopsis species is the dominant species in the stratum and contributes more than 20% of the total volume. Important volume donors in the stratum are as under :

Species name	Volume per ha.(in m <sup>3</sup> )	Percentage
Other Castanopsis species	18.768	20.86
Terminalia myriocarpa	5.066	5.63
Ficus spp.	2.661	2.95
Kydia calycina	2.604	2.89

Distribution of volume by diameter classes is as under :

Diameter class(in cm.)	Volume per ha.(in m <sup>3</sup> )	Percentage
10-19	12.917	14.35
20-29	17.369	19.31
30-39	14.659	16.29
40+	45.018	50.05

#### 4.5.7 Stratum II (900m-1800m) Reserved-West Siang :

Volume per hectare in the stratum is 150.107m<sup>3</sup>. *Altingia excelsa* is the main volume contributing species in the stratum and accounts for 15.97% of the total volume.

Principal volume contributing species in the stratum are as follows :-

Name of the species	Volume per ha.(in m <sup>3</sup> )	Percentage
<i>Altingia excelsa</i>	23.986	15.97
<i>Beilschmiedia roxburghii</i>	20.957	13.96
Castanopsis species	20.518	13.67
Amoora species	9.108	6.06
<i>Engelhardtia spicata</i>	9.042	6.02

Distribution of volume by diameter classes is as below :-

Diameter class(in cm.)	Volume per ha. (in m <sup>3</sup> )	Percentage
10-19	8.635	5.75
20-29	21.441	14.28
30-39	20.922	13.94
40+	99.109	66.03

Thus, it is evident that volume in matured diameter classes is quite high.

#### 4.5.8 Stratum II ( 900m - 1800m) Unclassed - West Siang:

Volume per hectare in the stratum is 123.570 m<sup>3</sup>. Castanopsis species is the principal volume contributing species in the stratum and contributes 11.48% of the total volume.

The main volume contributing species in the stratum are as under :

Name of the species	Volume/ha.(in m <sup>3</sup> )	Percentage
Castanopsis species	14.190	11.48
Engelhardtia spicata	3.487	2.82
Canarium resiniferum	2.753	2.28
Cinnamomum species	2.369	1.92

Distribution of volume by diameter classes is as below :-

Diameter class( in cm.)	Volume/ha.( in m <sup>3</sup> )	Percentage
10-19	12.510	10.12
20-29	20.750	16.79
30-39	20.080	16.25
40+	70.23	56.84

#### 4.5.9 Stratum III (1800m+) Unclassed- West Siang :

Volume per hectare in the stratum is 91.301m<sup>3</sup>. Abies pindrow is the main volume contributing species in the stratum and accounts for 9.56% of the total volume. Principal volume contributing species in the stratum are as follows :

Name of the species	Volume / ha.( in m <sup>3</sup> )	Percentage
Abies pindrow	8.732	9.56
Castanopsis indica	7.441	8.15
Pinus roxburghii	6.853	7.50
Rhododendron species	5.011	5.49

Distribution of volume by diameter classes is as under :

Diameter class(in cm.)	Volume/ha.(in m <sup>3</sup> )	Percentage
10-19	6.233	6.83
20-29	8.420	9.22
30-39	10.960	12.00
40+	65.688	71.95

Thus, it is evident that the volume in matured diameter classes is very high.

#### 4.6 Total volume :

Total volume in East and West Siang district is 53.925 million m<sup>3</sup> and 104.761 million m<sup>3</sup> respectively. Distribution of total volume by species and diameter classes has been calculated separately for individual district. An abstract of total volume by district and stratum is appended below :

District	Stratum	Altitude(in meter )	Total volume ('000 m <sup>3</sup> )	
			Reserved	Unclassed
East Siang	I	Upto 900	14752	16962
	II	900 to 1800	1834	20327
	III	1800 m and above	-	-
		<b>Total:</b>	<b>16636</b>	<b>37289</b>
West Siang	I	Upto 900	892	53652
	II	900 to 1800	1223	38152
	III	1800 m and above	-	10842
		<b>Total:</b>	<b>2115</b>	<b>102646</b>

Total volume of some of the dominant species in different stratum is summarized below :

#### Stratum : I

#### Reserved forest:

District	Name of the species	Total volume('000 m <sup>3</sup> )
East Siang	Terminalia myriocarpa	1324
	Duabanga grandiflora	1102
	Kydia calycina	799
	Castanopsis indica	656
	Michelia species	648
West Siang	Castanopsis species	147
	Castanopsis indica	50
	Duabanga grandiflora	63
	Ficus species	77
	Gmelina arborea	61
	Terminalia myriocarpa	41

**Stratum:II**

**Reserved forests:**

District	Name of the species	Total volume('000 m <sup>3</sup> )
East Siang	Kydia calycina	358
	Terminalia myriocarpa	218
	D unabanga grandiflora	182
	Albizzia procera	120
	Castanopsis indica	94
West Siang	Altingia excelsa	195
	Beilschimiedia roxburghiana	171
	Castanopsis species	167
	Amoora species	74
	Engelhardtia spicata	74

**Stratum : I**

**Unclassed :**

District	Name of the species	Total volume('000 m <sup>3</sup> )
East Siang	D unabanga grandiflora	1575
	Castanopsis indica	1185
	Castanopsis species	1343
	Albizzia species	947
	Terminalia myriocarpa	1215
West Siang	Castanopsis species	11193
	Terminalia myriocarpa	3021
	Ficus species	1587
	Kydia calycina	1553

**Stratum II,**

**Unclassed :**

District	Name of the species	Total volume('000 m <sup>3</sup> )
East Siang	Castanopsis species	2069
	Castanopsis indica	1770
	Terminalia myriocarpa	1740
	Albizzia species	1216
	D unabanga grandiflora	1319
West Siang	Castanopsis species	4381
	Engelhardtia spicata	1077
	Canarium resiniferum	850
	Cinnamomum species	731

Stratum : III,  
Unclassed :

District	Name of the species	Total volume('000 m <sup>3</sup> )
West Siang	Abies pindrow	1037
	Castanopsis indica	884
	Pinus roxburghii	814
	Rhododendron species	595

**4.7    Error :**

Statistical inference is incomplete without information on associated error. Error has been separately calculated for both reserved and unclassed forest areas as furnished below :

District	Stratum	Error %	
		Reserved	Unclassed
East Siang	I	12.1	14.1
	II	10.5	12.7
	III	-	-
	All	9.8	10.2
West Siang	I	10.6	15.1
	II	9.8	12.5
	III	-	9.9
	All	8.9	7.8

**4.8    Bamboo :**

Bamboos are found scattered all over the area but are mainly confined to plain portion and on the slopes of lower altitudes. They are found in admixture with tree species and in pure patches.

The main species observed in the area are Dendrocalamus hamiltonii, Bambusa tulda and other species. The number of bamboos per hectare by species is as follows:

Name of species	Code	Bamboo per ha.(no.)		Total bamboo('000)No	
		East Siang	West Siang	East Siang	West Siang
Bambusa tulda	956	175.51	292.24	89914	306472
Bambusa species	958	144.14	191.11	73843	200417
Dendrocalamus hamiltonii	959	277.75	257.62	142291	270166
Others	975	164.16	192.45	84099	201822
	Total:	761.56	933.42	390147	978877

#### 4.8.1 Conversion to air dry weight :

The average weight factor for bamboo species is calculated to ascertain the availability of bamboo. The study was restricted to three major species of the area. The weight factor for three major species are :

1. Dendrocalamus hamiltonii 1 tonne = 9.7 bamboo culm(air dry)
2. Bambusa tulda 1 tonne = 129 bamboo culms(air dry)
3. Others 1 tonne = 210 bamboo culms (air dry)

Total availability of bamboo(in term of weight) is furnished as under :

Name of Spp.		East Siang		West Siang	
	Code	Weight/ha (tonne)	Estimated wt. ( 000 tonne)	Weight/ha (tonne)	Estimated Wt. (000 tonne)
Bambusa tulda	956	1.36	697	2.26	2370
Bambusa spp.	958	0.69	353	0.91	954
Dendrocalamus hamiltonii	959	2.86	1465	2.65	2779
Others	975	0.78	400	0.92	965
		5.69	2915	6.74	7068

## CHAPTER:V

### Wood Consumption Study

#### **5.0      General :**

Although the primary objective of forest inventory lies in the estimation of total growing stock of the area, yet the viability of industrial prospect of wood based industries cannot be evaluated unless the level of utilization of wood in the area is ascertained.

Moreover, ever increasing rate of population growth is closely interrelated with the growing impact on forest capital.

Accordingly, a study on the consumption pattern of wood in both the districts of East & West Siang was undertaken.

#### **5.1      Objectives :**

The main objectives of wood consumption study are as under :

- i) to estimate the consumption of wood for house construction and repairs,
- ii) to estimate the consumption of wood for furniture making,
- iii) to estimate the consumption of wood for agricultural implements, &
- iv) to estimate the fuelwood consumption for local people.

#### **5.2      Sampling design :**

A two stage stratified sampling method was adopted to find out the wood consumption for East and West Siang districts.

The villages in the districts constitute the primary stage of sampling. A sample of 1.5% of total villages were taken from each district.

In the secondary stage of sampling, the households in each village were considered for enumeration. The households were randomly selected so that households belonging to different economic strata could be included.

Attempt was made so that at least ten households could be enumerated each from the 15 selected villages. In the urban sector, a similar two stage sampling was adopted. In the first phase, the urban centre was selected. In the second phase, twenty households were selected for enumeration.

### **5.3 Wood consumption by local people :**

Ever expanding population growth leads to a forest people interface in respect of demand of wood. Local population consume wood for construction and repair of houses, agricultural implements and daily need for fuel.

The project area being rich in forests, local population have been given ample rights and concessions for felling and extraction of the timber from the forests in order to meet their domestic requirements.

In the construction of houses, wood is an essential material for doors and windows. The people of the area mostly live in kuchha or semi-kuchha houses where wood is mostly used in form of beams. In day to day use- Chairs,Cots, Almirah etc. are all wooden.

### **5.4 Wood for house construction :**

House types are generally influenced by climate, economic condition and local customs. The project area belongs to a lesser developed part of the country and accordingly more than 80% of the houses are kacha or semi-kacha. Mostly bamboo is used as a supporting material.

Use of wood for house construction in both the districts of East and West Siang is given in the following table :

#### **District : West Siang.**

Sl. No.	Rural		Total (m <sup>3</sup> )	Urban		Total for the district
	Categories	Per capita(m <sup>3</sup> )		Per capita(m <sup>3</sup> )	Total (m <sup>3</sup> )	
1	Doors & Windows	0.035	2313.150	0.033	266.442	2579.592
2	Roof	0.021	1387.890	0.017	137.258	1525.148
3	Walls	0.016	1057.440	0.013	104.962	1162.402
						5267.142

#### **District: East Siang :**

Sl. No.	Rural		Urban			Total for the district
	Categories	Per capita(m <sup>3</sup> )	Total(m <sup>3</sup> )	Per capita(m <sup>3</sup> )	Total (m <sup>3</sup> )	
1	Doors and Windows	0.0375	2300.700	0.0361	328.474	2629.174
2	Roof	0.025	1533.800	0.0220	200.178	1733.978
3	Walls	0.019	1165.688	0.0170	154.683	1320.371
						5683.523

It is assumed that the life of a house is for 20 years and annual requirement of wood is 5% of what is in use now. For repairs of house, wood required is about 10% of wood required for new construction at an interval of 10 years.

#### 5.5 Wood consumption for furniture making :

The district of East and West Siang is economically a backward area and the need for furniture is limited. Per capita and total consumption of wood for furniture making in the both the districts is as under :

District	Rural		Urban		Total for the district( $m^3$ )
	Per capita( $m^3$ )	Total ( $m^3$ )	Per capita( $m^3$ )	Total( $m^3$ )	
East Siang	0.024	1472.448	0.026	236.574	1709.022
West Siang	0.022	1453.980	0.025	201.850	1655.830

In the process of calculating the annual consumption for furniture, the life of furniture items has been taken to be 25 years.

#### 5.6 Wood consumption for agricultural implements :

The main occupation of the people in both the districts of East and West Siang is agriculture. The agricultural and allied implements are all wooden.

The wood consumption for the purpose is given as under :

District	Rural		Urban		Total for the district( $m^3$ )
	Per capita( $m^3$ )	Total ( $m^3$ )	Per capita( $m^3$ )	Total ( $m^3$ )	
East Siang	0.0085	521.492	0.0056	50.954	572.446
West Siang	0.0076	502.284	0.0063	50.866	553.150

#### 5.7 Fuelwood consumption :

Revelle(1976) while working out the pattern of energy use in rural India observed that out of the 80% of rural energy that comes from traditional sources, 64% is met from firewood which is mainly used for cooking and heating purpose.

The level of fuel wood consumption annually for East and West Siang districts is furnished below :

District	<u>Rural</u>		<u>Urban</u>		Total for the district(m <sup>3</sup> )
	Per capita(m <sup>3</sup> )	Total (m <sup>3</sup> )	Per capita(m <sup>3</sup> )	Total(m <sup>3</sup> )	
East Siang	0.280	17178.566	0.240	2183.760	19362.320
West Siang	0.250	16522.500	0.210	1695.40	18218.04

#### **5.8 Plywood, Saw Mills and other industries:**

Medium industries (14 in numbers) are all forest based producing Veneers, Tea chests and Plyboards are installed in Arunachal Pradesh, Small scale industries numbering 2455 is recorded in 1991-92 which comprises Saw Mill, Rice and Oil Mills, Fruit preservation etc. Name of the Saw Mill industries in the district with their annual capacity is furnished below :

Name of the Industries	Capacity of the Unit
1.M/S Yogins and Lankar Saw Mill & Industries, Likabali West Siang district	2850 m <sup>3</sup> /annum
2. M/S Taggu & Taipodia district,Likabali	8050 m <sup>3</sup> /annum
3. Siang Likabali Kabong Saw Mills Ltd. Likabali, West Siang	2500 m <sup>3</sup> /annum
4. M/S Karmi Saw Mills & Forest products ( P) Ltd., Likabali	8155 m <sup>3</sup> /annum

## CHAPTER VI SUMMARY AND CONCLUSIONS

### **6.1      Summary :**

The finding of this inventory work can be summarized as below:

#### **6.1.1    About the project area:**

The inventory work produced following salient informations about the area surveyed i.e. East Siang and West Siang districts.

- The percentage of forest area to the geographical area is 87.3% in West Siang district. While the same is 78.6% in the East Siang district. These figures , higher than the national average shows the inaccessibility of the region under inventory. Most of the forests, i.e. 61% in East Siang and 85% in West Siang districts are unclassed forests.
- The topography of the forest areas of the two districts is mainly hilly to very hilly with no significant rockiness observed there.
- In most of the areas in the two districts, the soil consistency may be classified as 'slightly compact. The soil is predominantly loamy in texture.
- Extent of soil erosion was observed to be mild.
- In most part of the area, the forests are natural and the crop composition is miscellaneous.
- The regeneration of important species is mostly inadequate or absent.
- Significantly ominous percentage of crop injuries was also observed which was chiefly by way of girdling, illicit felling, scarring etc.
- Fire and grazing do not appear to be serious problems in these areas.

#### **6.1.2    About the forests:**

Altitudinal variations in the vegetation type was observed and the surveyed area was stratified into three altitudinal strata ( below 900 metre , 900-1800 meter and above 1800 metre). Some parameters related to quantity

and quality of the forest wealth of the project area were estimated which are summarily given below :

- In all the altitudinal strata in reserved and unclassed forests in both the districts, the stems/ha index is maximum for the diameter class 10-19 cm. followed by 20-29 cms.
- Total no. of stems in East and West Siang districts were estimated to be around 70.82 million and 183.09 million respectively.
- The total estimated volume of wood stock in East and West Siang district is 53.925 million m<sup>3</sup> and 104.761 million m<sup>3</sup> respectively.
- Study of volume distribution in both East and West Siang district shows that although the percentage of trees in higher diameter class (i.e. 40 cm. above dia) is low, yet the volume contribution is significant.
- The main volume contributing species in stratum I and II are Terminalia myriocarpa, Duabanga grandiflora and Castanopsis indica. In stratum III, conifers spp. of Abies pindrow, Pinus roxburghii etc. contribute most of the volume.
- Bamboo availability per hectare in East and West Siang districts is 761.56 no and 933.42 no respectively. Similarly, total no. of bamboo in these two districts are estimated to be 390.147 million and 978.877 million respectively.
- Bamboo weight per hectare in East Siang district comes out to be 5.69 tonnes and that for West Siang district is 6.74 tonnes.

#### **6.1.3 About wood consumption pattern:**

The wood consumption study of the surveyed area yielded following information :

- Total estimated annual consumption of wood for house construction is 5267.142 m<sup>3</sup> in West Siang district and 5683.523 m<sup>3</sup> in East Siang district.
- Annual wood consumption for furnitures and agricultural implements are 1709.022 m<sup>3</sup> and 572.446 m<sup>3</sup> respectively for East Siang district and 1655.830 m<sup>3</sup> & 553.150 m<sup>3</sup> respectively for West Siang district.
- Total fuel consumption comes out to be 19362.320 m<sup>3</sup> and 18218.04 m<sup>3</sup> for East Siang and West Siang district respectively.

#### **6.2 CONCLUSION :**

The result of the inventory show that the two districts of East and West Siang districts harbour huge forest wealth with striking floral diversity. Commercial potential of these forests is very high and the management agencies can very well plan and act for a sustainable development as well as utilization of these forests. The present inventory gives quite rosy picture of the forest affairs in these two districts. But actual management practices resorted to should be site and situation specific and must address the factors which make the whole tract ecologically vulnerable.

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2. District Census Handbook 1981 - West Siang
3. Arunachal - Published by Directorate of Information and Public Relations- 1981.

## PARTICIPANTS

The following officials of Eastern Zone, Forest survey of India were associated in the project of inventory of forest resources of East and West Siang District of Arunachal Pradesh during the year 1990-1991 and in preparation of the Report thereof.

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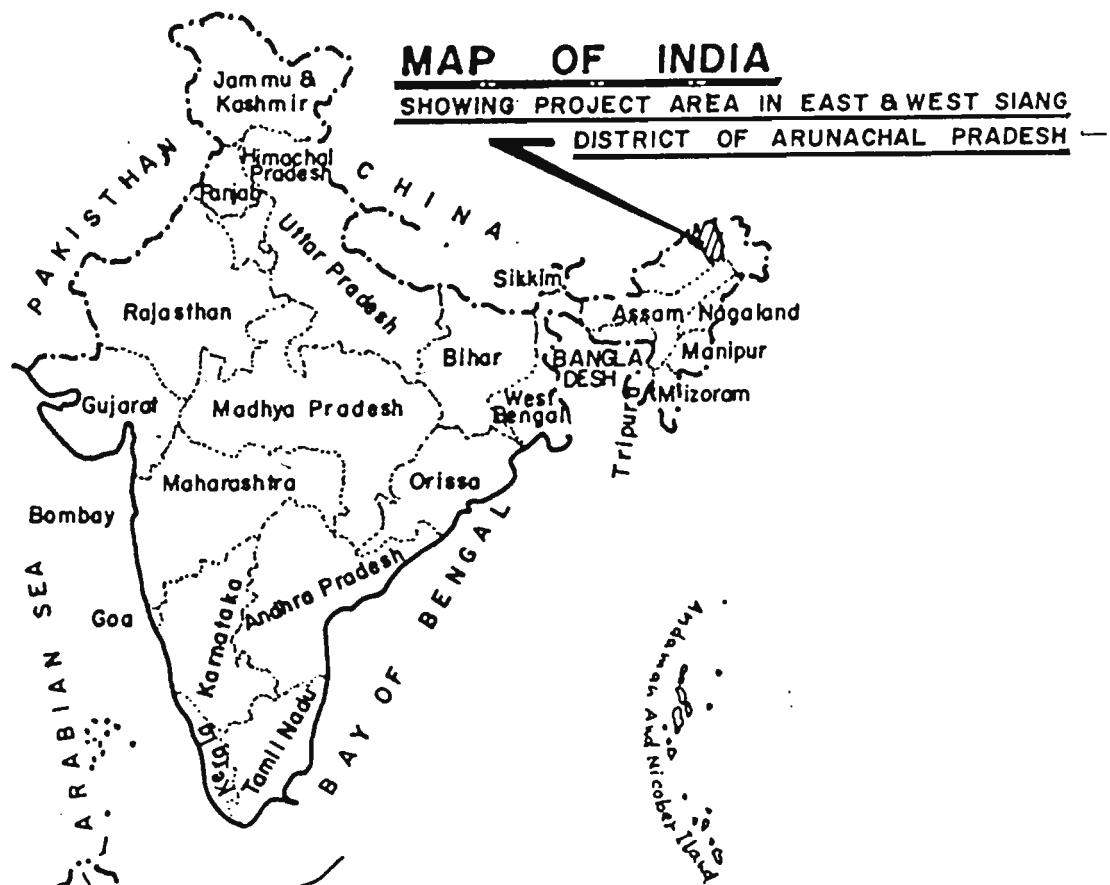
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Shri Asoke Sarkar, Peon.

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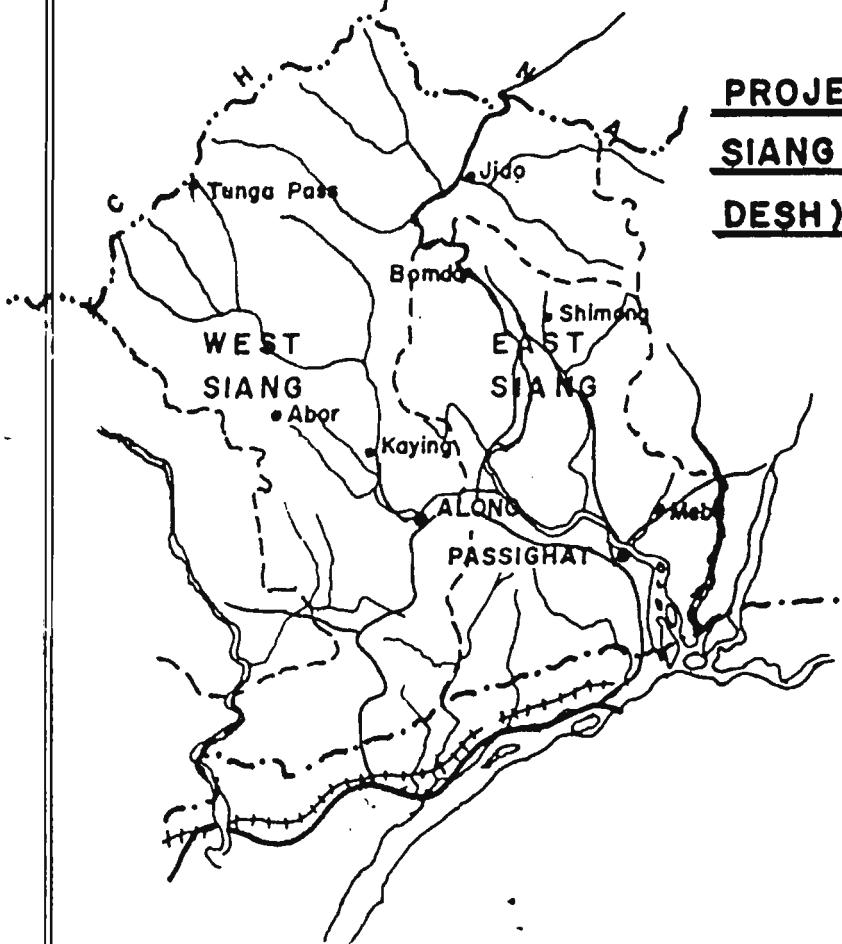
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Shri S. Sardar.  
Shri P. Bhattacharya.  
Shri Dibakar Nayak.  
Shri Amit Ghosh.  
Shri Swapan Ghosh.

\*\*\*\*\*



**PROJECT MAP OF EAST & WEST  
 SSIANG DISTRICT (ARUNACHAL PRA-  
 DESH) SHOWING ROADS & RIVERS.**

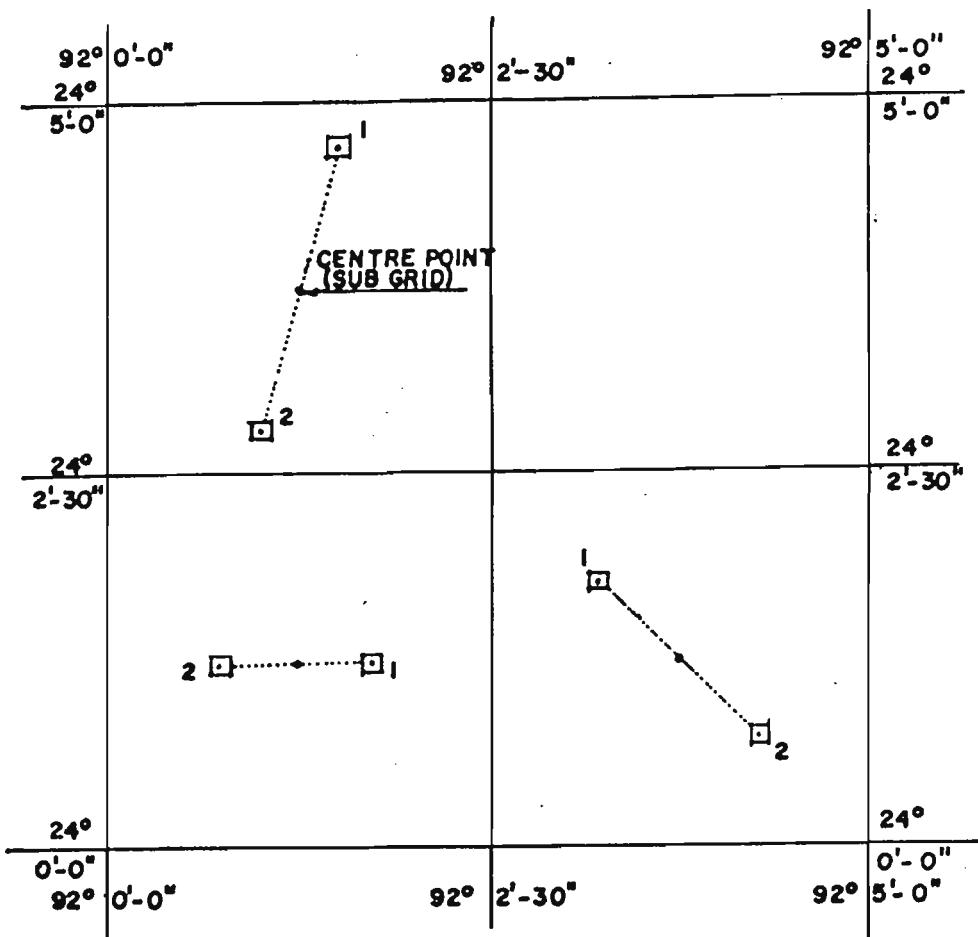
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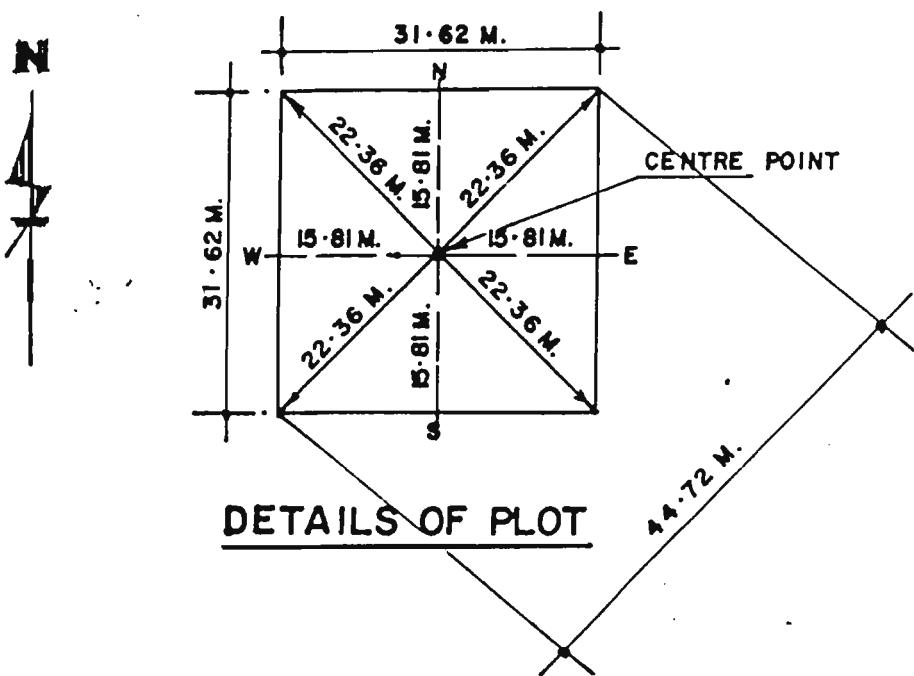
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State Boundary	— — —
District Boundary	— - -
River	— / —
Road	— — —

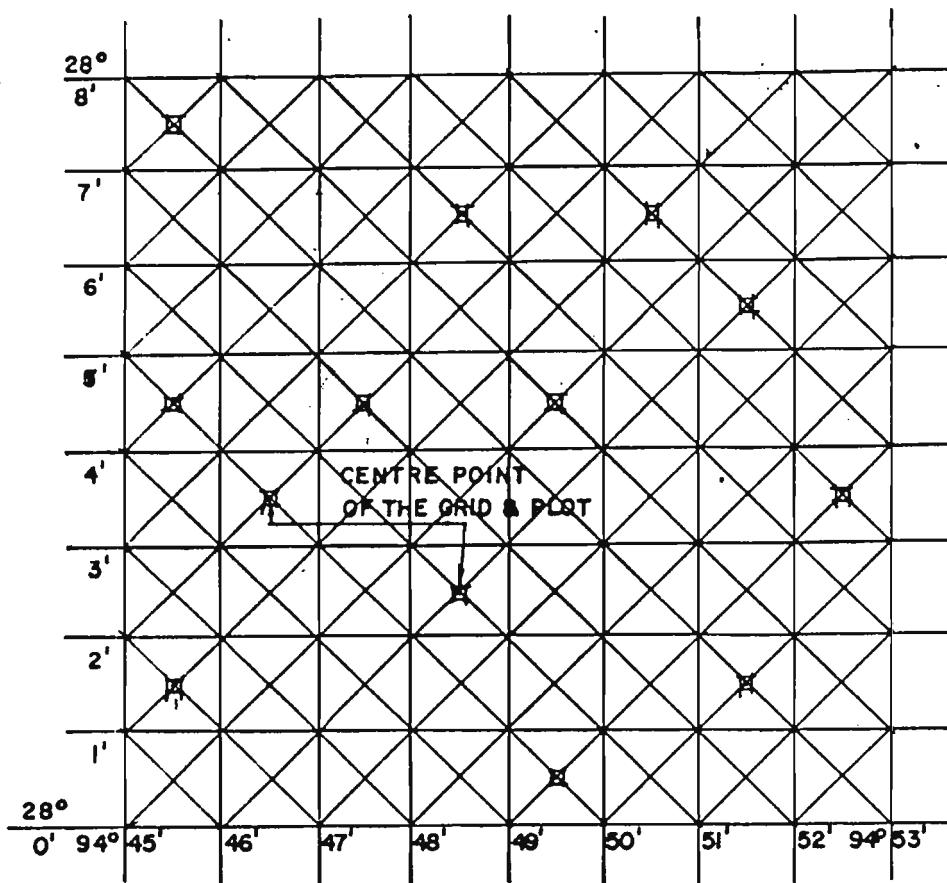
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INVENTORY DESIGN



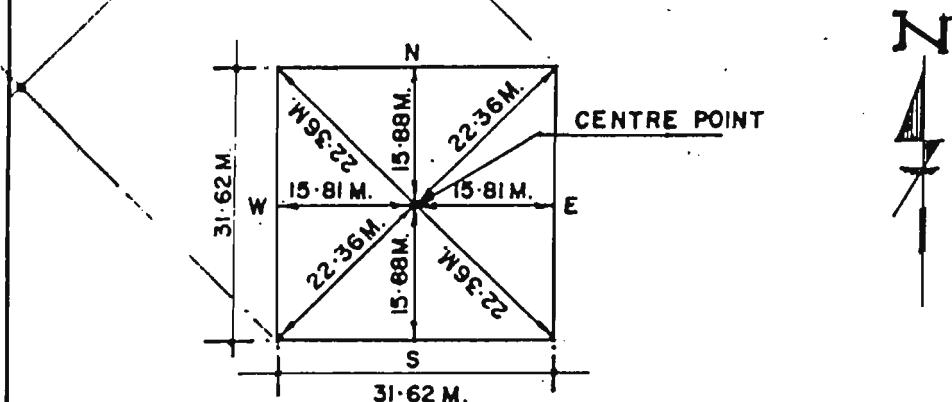
FIRST PLOT IS SELECTED RANDOMLY AND THE SECOND PLOT IS  
SITUATED AT AN EQUAL DISTANCE FROM THE CENTRE OF THE  
FIRST PLOT TO THE CENTRE OF 2' 30" x 2'-30" SUB GRID AND IS  
JUST IN THE OPPOSITE DIRECTION.



**INVENTORY DESIGN FOR EAST & WEST SIANG DISTRICT (ARUNACHAL PRADESH).**

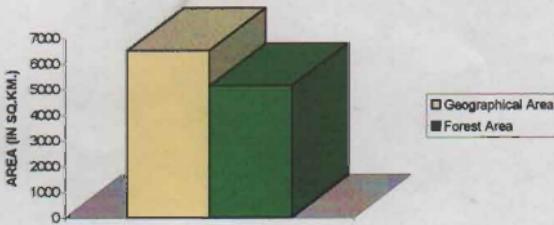


ORIENTATION OF GRIDS OF SIZE 1'X1' IN RESERVE FOREST AREA.

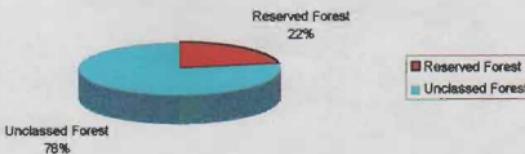


**DETAILS OF PLOT**

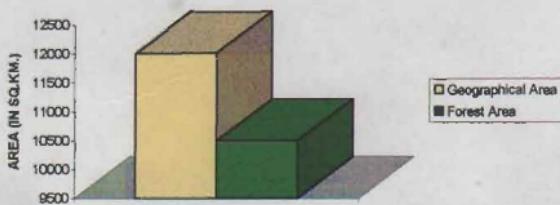
**BAR CHART OF GEOGRAPHICAL AREA AND FOREST AREA OF EAST SIANG DISTRICT.**



**DISTRIBUTION OF FOREST AREA BY LEGAL STATUS OF EAST SIANG DISTRICT.**



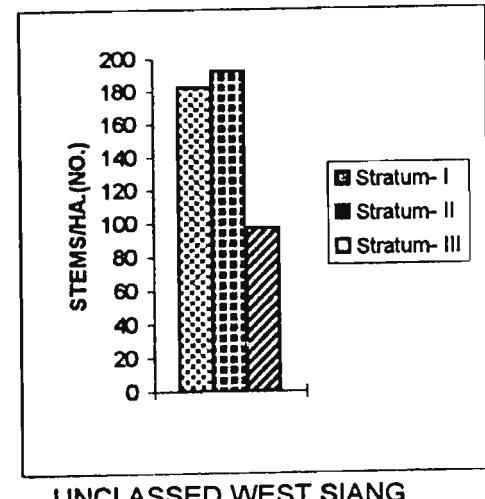
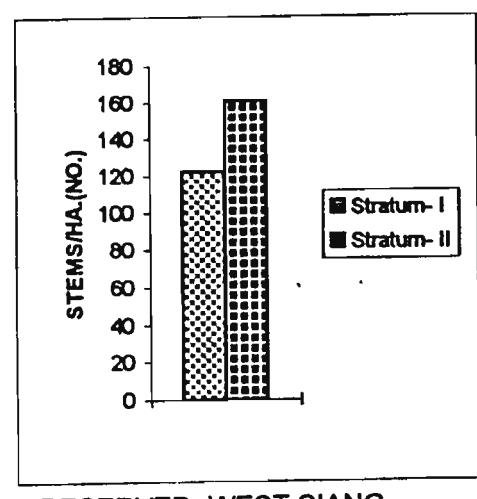
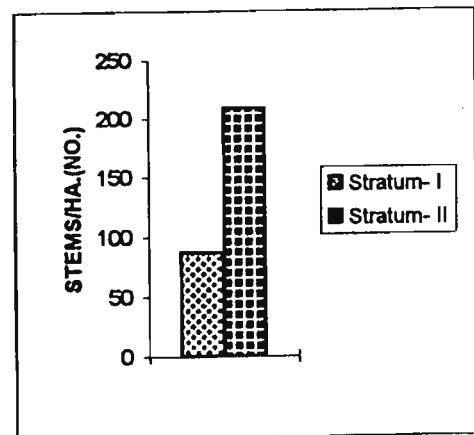
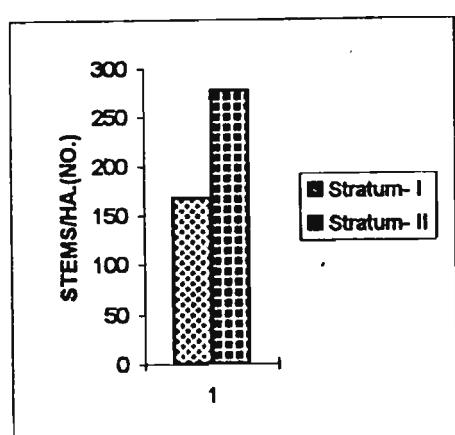
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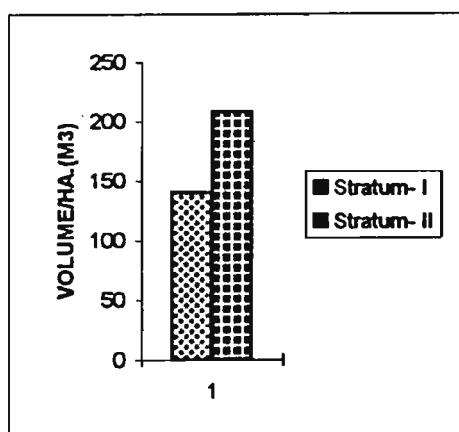
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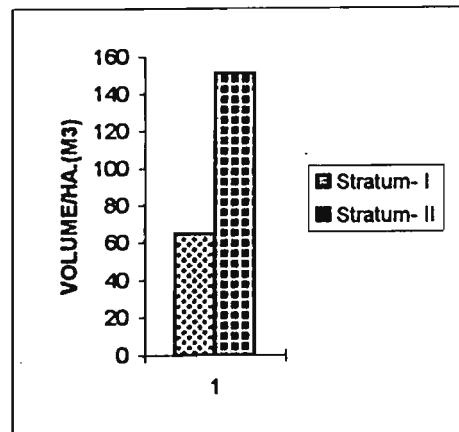
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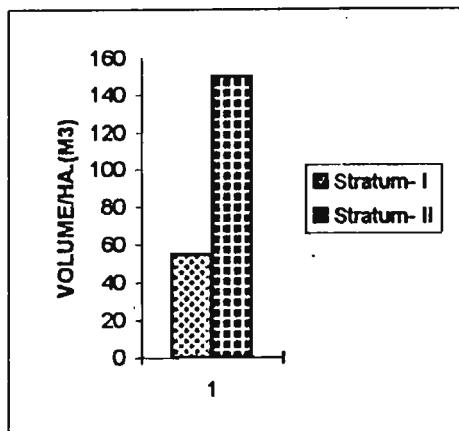
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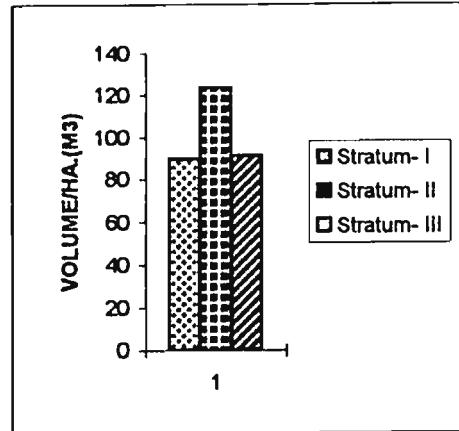
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UNCLASSED, EAST Siang



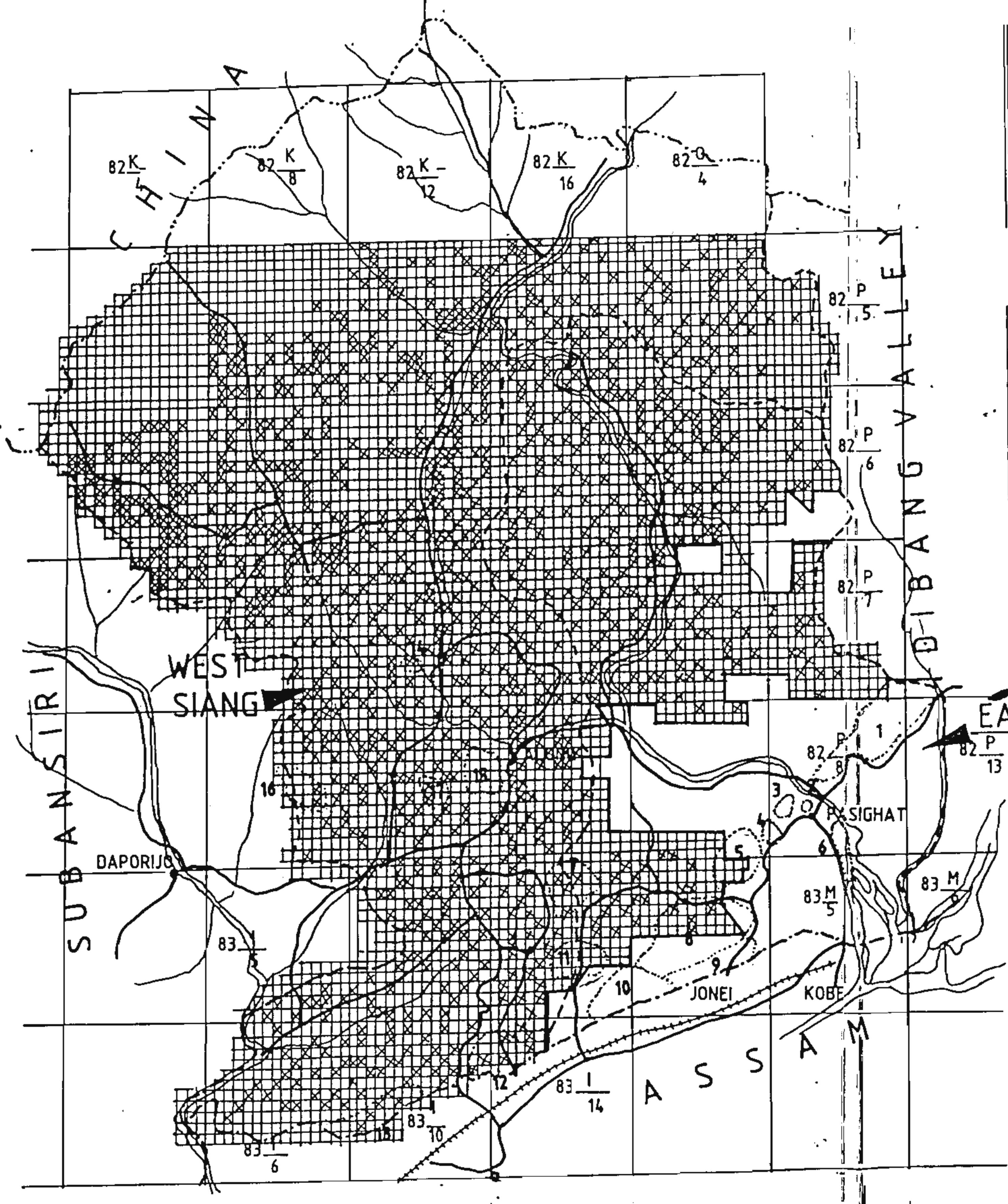
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UNCLASSED, WEST Siang

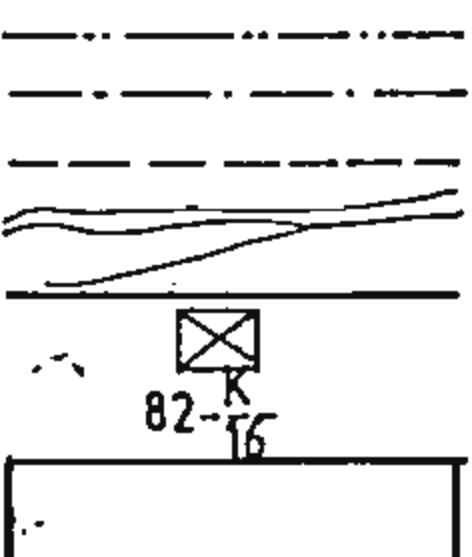
GRID MAP OF EAST & WEST SIANG DISTRICT  
ARUNACHAL PRADESH

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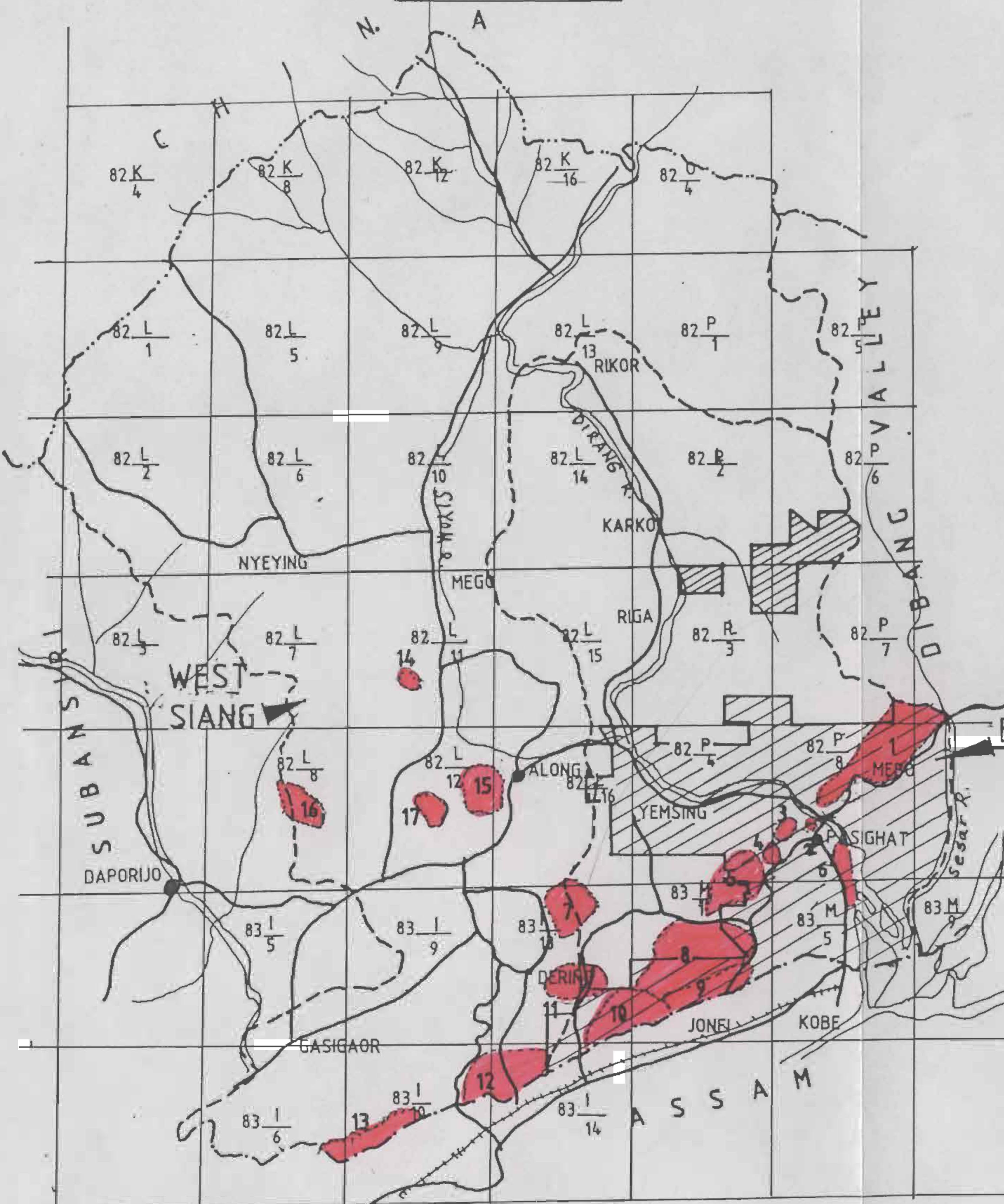
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3. SIPPY R.F.
4. GREEN BELT R.F.
5. REMI R.F.
6. PASIGHAT R.F.
7. ECHI R.F.
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11. JORI TAKKE PUJO R.F.
12. DIPA R.F.
13. LIKABARI R.F.
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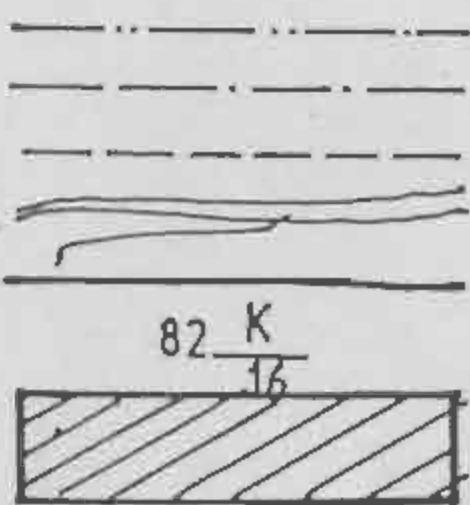
94° 0' 15' 30' 45' 95° 0' 15' 95° 30'

ROAD MAP OF EAST & WEST SSIANG DISTRICT  
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(STATISTICAL TABLES)

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2.1.4	No. of stems per hectare by species and diameter classes (in cm.)	-do-	II, Unclassed	55
2.2.4	Total stems (in 000 unit) by species and diameter classes (in cm.)	-do-	II, -do-	58
2.1.5	No. of stems per hectare by species and diameter classes (in cm.)	-do-	III, Unclassed	61
2.2.5	Total stems (in 000 unit) by species and diameter classes (in cm.)	-do-	III, -do-	63
4.1.1	Volume per hectare by species and diameter classes (in cm.)	-do-	I, Reserved	65
4.2.1.	Total volume (in 000 m <sup>3</sup> ) by species and diameter classes (in cm.)	West Siang	I, Reserved	67
4.1.2.	Volume per hectare by species and diameter classes (in cm.)	-do-	I, Unclassed	69
4.2.2.	Total volume (in 000 m <sup>3</sup> ) by species and diameter classes (in cm.)	-do-	I, -do-	73
4.1.3.	Volume per hectare by species and diameter classes (in cm.)	-do-	II, Reserved	77
4.2.3.	Total volume in (000 m <sup>3</sup> ) by species and diameter classes (in cm.)	-do-	II, -do-	79
4.1.4.	Volume per hectare by species and diameter classes (in cm.)	-do-	II, Unclassed	81
4.2.4.	Total volume (in '000 m <sup>3</sup> ) by species and diameter classes (in cm.)	-do-	II, -do-	84
4.1.5.	Volume per by species and diameter classes (in cm.)	-do-	III, -do-	87
4.2.5.	Total volume (in '000 m <sup>3</sup> ) by species and diameter classes (in cm.)	-do-	III, -do-	89
5.1.2.	Distribution of Bamboo by species	-do-	-	91

TABLE NO.1.1.1

District: East Siang

NO. OF STEMS PER HECTARE BY SPECIES AND DIAMETER CLASSES(IN CM)

Stratum:I(Reserved)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Ailanthus altissima	039	0.172	0.172	0.172								0.516	0.307
Albizia chimensis	044		0.172									0.172	0.102
Albizia lebbek	046			0.172								0.172	0.103
Albizia lucida	047			0.172								0.172	0.103
Albizia procera	050	0.172	0.172	0.690	0.172	0.517	0.172					1.895	1.130
Albizia species	051	3.276	2.414	0.862	0.345							6.897	4.112 ✓
Alstonia scholaris	057	0.517										0.517	0.308
Altinaria excelsa	060	1.724	1.034	0.345	0.345	0.345						3.793	2.262 ✓
Amoora wallichii	064	0.517	0.345	0.517	0.517	0.345						2.241	1.336
Amoora species	065	1.724	0.172	0.345	0.172							2.413	1.439 ✓
Anthocephalus cadamba	074			0.517	0.517							1.034	0.617
Artocarpus chaplasha	089		0.345	0.172	0.172			0.172				0.861	0.513
Bauhinia purpurea	114	0.172										0.172	0.103
Bauhinia retusa	116	1.207	1.552									2.759	1.645
Bauhinia species	118	1.207	1.379									2.586	1.542 ✓
Bischofia javanica	129	0.172	0.172		0.345							0.861	0.513
Bombax ceiba	131	0.345	0.517	0.517	0.345	0.345		0.172	0.172			2.413	1.439
Callicarpa arborea	150	3.276	0.345	0.172								3.793	2.262 ✓
Canarium resiniferum	166	0.172	0.690	0.345								1.207	0.720
Canarium species	168	3.276	3.276	1.379	0.172			0.172				8.275	4.934 ✓
Castanopsis hystrix	191		0.345	0.172	0.345		0.172					1.034	0.617
Castanopsis indica	192	1.896	1.896	1.207	0.517	0.345	0.345					6.206	3.700 ✓
Castanopsis species	194	0.517	0.345	0.690	0.862		0.172					2.586	1.542 ✓
Cedrela toona	198	1.035	1.207	0.690	0.172	0.345	0.172		0.172			3.793	2.262 ✓
Chukrasia velutina	208	0.517	0.862	0.345		0.172	0.172					2.068	1.233
Chukrasia species	209	0.172		0.172	0.172	0.172	0.172					0.860	0.513
Cinnamomum species	216		0.172									0.172	0.103
Dillenia indica	277	0.172			0.172	0.345	0.517					1.206	0.719
Dillenia pentagyna	278	0.517										0.517	0.308
Duabanga grandiflora	303	1.207	0.690	1.896	0.517	1.034	0.690	0.172	0.172			6.378	3.803 ✓
Dysoxylum binectariferum	304	2.069	0.862		0.172							3.103	1.850
Endospermum chinense	326		0.172	0.345								0.517	0.308
Erythrina suberosa	340			0.172								0.172	0.103

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Erythrina species	342				0.172							0.172	0.103
Ficus species	385	2.241	1.207	0.517	0.172	0.172	0.172					4.481	2.672
Grewia species	432	0.345										0.345	0.206
Hydnocarpus alpina	466	0.172		0.172								0.344	0.205
Kayea assamnica	492	0.172	0.517		0.172							0.861	0.513
Kydia calycina	501	0.517	1.724	1.207	1.034	0.345		0.172	0.172			5.171	3.083
Lannea coromandelica	509	0.345										0.345	0.206
Laportia crenulata	511	0.517		0.517								1.034	0.617
Litsaea species	541	0.172	0.172									0.344	0.205
Maearanga denticulata	546		0.172									0.172	0.103
Macaranga indica	547	2.758	1.034	0.345								4.137	2.467
Macaranga peltata	548	0.862	0.690									1.552	0.925
Machilus species	559				0.172							0.172	0.103
Magnolia species	562	0.517	0.172	0.345	0.172							1.206	0.719
Mangifera indica	569		0.172									0.172	0.103
Mangifera sylvatica	570	0.172	0.172									0.344	0.205
Mesua ferrea	593	0.172	0.517	0.690	0.517							1.896	1.130
Michelia doltsopa	596			0.172								0.172	0.103
Michelia species	602	1.552	1.896	1.207	1.034	0.345	0.172					6.206	3.700
Morus laevigata	617		0.172									0.172	0.103
Polyanthia species	699	0.172										0.172	0.103
Pterospermum acerifolium	725	1.207	0.172	0.345	0.172			0.172				2.068	1.233
Sapindus mukorossi	784				0.172							0.172	0.103
Sapium baccatum	785							0.172				0.172	0.103
Schima wallichii	794	0.172	0.172	0.172								0.516	0.308
Sterculia villosa	821	0.172										0.172	0.103
Stereospermum personatum	824	0.345	0.690	0.345	0.172	0.345		0.345	0.172			2.414	1.439
Syzygium species	850	0.517	0.172									0.689	0.411
Terminalia myriocarpa	868	0.517	1.379	1.724	1.379	0.690	0.517	0.172	0.172		0.172	6.722	4.008
Terminalia species	871		0.517	0.517	0.345	0.172	0.172					1.723	1.027
Trewia nudiflora	880	0.172	0.172									0.344	0.205
Ulmus wallichiana	888		0.172									0.172	0.103
Others	944	38.618	6.896	3.276	1.207	1.034	0.517	0.172				51.720	30.838
<b>TOTAL</b>		78.437	38.267	23.445	13.095	7.068	4.134	1.893	1.032	0.172	0.172	167.715	100.000
		46.768	22.817	13.979	7.808	4.214	2.465	1.129	0.615	0.103	0.103	100.000	

TABLE NO.1.1.2

District: East Siang

NO. OF STEMS PER HECTARE BY SPECIES AND DIAMETER CLASSES(IN CM)

Stratum:II(Reserved)	Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
	Albizia species	051		4.000	2.000	6.000							12.000	4.317
	Amoora species	065	22.000	8.000	2.000								32.000	11.511
	Bauhinia species	118	10.000										10.000	3.597
	Callicarpa species	154	2.000										2.000	0.719
	Canarium species	168	6.000	2.000	4.000	2.000							14.000	5.036
	Castanopsis species	194	8.000	14.000	12.000	4.000		2.000					40.000	14.388
	Cinnamomum species	216		2.000	2.000								4.000	1.439
	Ficus species	385	6.000	2.000									8.000	2.878
	Hydnocarpus alpina	466	2.000										2.000	0.719
	Hydnocarpus species	469	4.000										4.000	1.439
	Kydia calycina	501	10.000	6.000	4.000								20.000	7.194
	Litsaea species	541	2.000	2.000									4.000	1.439
	Macaranga indica	547	6.000										6.000	2.158
	Magnolia species	562	2.000	4.000	4.000	2.000		2.000					14.000	5.036
	Michelia species	602			6.000	2.000							8.000	2.878
	Pterospermum acerifolium	725	6.000										6.000	2.158
	Quercus species	754	16.000	10.000	6.000								32.000	11.511
	Spondias species	813	2.000	2.000		2.000			2.000				8.000	2.878
	Symplocos laurina	839	2.000										2.000	0.719
	Terminalia species	871	12.000	6.000	2.000								20.000	7.194
	Others	944	28.000	2.000									30.000	; 10.791
	TOTAL		146.000	64.000	44.000	18.000	0.000	4.000	0.000	2.000	0.000	0.000	278.000	100.000
	DIAMETER CLASS %		52.518	23.022	15.827	6.475	0.000	1.439	0.000	0.719	0.000	0.000	100.000	

TABLE NO.1.1.3

District: East Siang		NO. OF STEMS PER HECTARE BY SPECIES AND DIAMETER CLASSES(IN CM.)													
Stratum (Unclassed)		Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Ailanthus altissima	039		0.054	0.269	0.108	0.054								0.485	0.559
Ailanthus excelsa	040		0.108						0.054					0.162	0.187
Albizzia lebbek	046			0.054										0.054	0.062
Albizzia lucida	047		0.054	0.161	0.054									0.269	0.310
Albizzia procera	050		0.054	0.269	0.323	0.161	0.108	0.054						0.969	1.117
Albizzia species	051		0.753	1.237	0.592	0.484	0.054	0.054			0.108			3.282	3.783
Alstonia scholaris	057		0.108											0.108	0.124
Altingia excelsa	060		0.269											0.269	0.310
Amoora wallichii	064			0.108	0.054	0.054				0.054				0.270	0.311
Amoora species	065		0.430	0.215	0.161			0.054						0.860	0.991
Anthocephalus cadamba	074			0.054	0.108									0.162	0.187
Artocarpus chaplasha	089				0.054	0.108	0.108	0.054						0.324	0.373
Artocarpus heterophyllus	091				0.054	0.054								0.108	0.124
Artocarpus species	094		0.108			0.054								0.162	0.187
Atalantia spinosa	099		0.054	0.054										0.108	0.124
Bagenlia serrata	105									0.054				0.054	0.062
Bauhinia purpurea	114		0.592	0.538	0.215	0.108								1.453	1.675
Bauhinia retusa	116		0.646	0.269	0.269	0.108								1.292	1.489
Bauhinia species	118		0.161	0.108										0.269	0.310
Bischofia javanica	129		0.807	0.538	0.108	0.054		0.054					0.054	1.615	1.861
Boxbax ceiba	131		0.054	0.269	0.269	0.054			0.054	0.054		0.108	0.054	0.916	1.056
Callicarpa arborea	150		1.937	1.076	0.108	0.054								3.175	3.660
Callicarpa species	154		0.161	0.108										0.269	0.310
Canarium bengalense	164		0.054											0.054	0.062
Canarium resiniferum	166		0.377	0.054	0.108	0.108			0.054					0.701	0.808
Canarium species	168		0.430	0.323	0.215	0.054								1.022	1.178
Castanopsis indica	192		1.237	0.699	0.968	0.484	0.215	0.269						3.872	4.463
Castanopsis species	194		1.506	1.184	1.022	0.215	0.108	0.215	0.161				0.054	4.465	5.146
Cedrela toona	198		0.323						0.054					0.377	0.435
Chukrasia velutina	208		0.108	0.054	0.054	0.054	0.108		0.054					0.432	0.498
Chukrasia species	209		0.161		0.054									0.215	0.248
Cinnamomum species	216		0.108	0.269	0.108		0.054			0.054				0.593	0.684

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Cryptocarya amygdalina		255	0.054										0.054	0.062
Cyclostemon assamicus		262	0.108	0.054									0.162	0.187
Dillenia indica		277	0.054	0.054	0.054	0.108	0.108	0.054					0.432	0.498
Dillenia pentagyna		278	0.323	0.054									0.377	0.435
Dipterocarpus macrocarpus		296			0.054							0.054	0.108	0.124
D unabanga grandiflora		303	1.399	0.968	1.291	0.968	0.323	0.054	0.108	0.108	0.054		5.273	6.078
Dysoxylum binectariferum		304	0.161	0.054									0.215	0.248
Endospermum chinense		326	0.161	0.054		0.054							0.269	0.310
Erythrina variegata		341	0.269	0.323	0.269	0.108	0.054						1.023	1.179
Erythrina species		342	0.807	0.269		0.054							1.130	1.302
Eugenia species		358	0.161	0.054		0.108			0.054				0.377	0.435
Eurya japonica		367	0.323										0.323	0.372
Evodia fraxinifolia		368	0.054										0.054	0.062
Ficus bengalensis		375				0.054							0.054	0.062
Ficus species		385	3.605	1.506	0.430	0.215	0.054						5.810	6.697
Gmelina arborea		420	0.108										0.108	0.124
Grewia species		432	0.592	0.054									0.646	0.745
Gyrocarpus odorata		438				0.054							0.054	0.062
Hydnocarpus alpina		466	0.161	0.161			0.054						0.376	0.433
Hydnocarpus kurzii		467		0.054	0.054								0.108	0.124
Kayea assamnica		492	0.161	0.161	0.054								0.376	0.433
Kydia calycinia		501	1.399	1.829	0.915	0.269	0.108	0.054		0.054			4.628	5.334
Lannea coromandelica		509		0.108	0.054		0.054						0.216	0.249
Litsaea species		541	0.054										0.054	0.062
Macaranga indica		547	2.206	0.538	0.054	0.054							2.852	3.287
Macaranga peltata		548	1.399	0.215	0.054								1.668	1.923
Machilus species		559	0.108	0.054	0.054								0.216	0.249
Magnolia species		562	0.215	0.269	0.108	0.054		0.054	0.054			0.054	0.808	0.931
Mallotus species		566	0.054	0.054									0.108	0.124
Mangifera indica		569	0.108										0.108	0.124
Mangifera sylvatica		570	0.054										0.054	0.062
Michelia species		602	0.108	0.269	0.054	0.054	0.054						0.539	0.621
Morus laevigata		617	0.054					0.054					0.108	0.124
Myristica species		630	0.054	0.054									0.108	0.124
Phoebe species		673	0.108										0.108	0.124

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Pinus species	686	0.054										0.054	0.062
Premna bengalensis	705	0.161										0.161	0.186
Pterospermum acerifolium	725	0.054	0.377					0.054				0.485	0.559
Quercus lanceaefolia	745		0.054									0.054	0.062
Sapium baccatum	785		0.054	0.108	0.054							0.216	0.249
Saurauia nepaulensis	791	0.161										0.161	0.186
Sideroxylon grandifolium	804		0.054									0.054	0.062
Spondias pinnata	812		0.054	0.054								0.108	0.124
Spondias species	813	0.108	0.215	0.108	0.054	0.054						0.539	0.621
Sterculia foetida	818	0.430	0.054									0.484	0.558
Sterculia villosa	821	0.161		0.108	0.108							0.377	0.435
Stereospermum personatum	824	0.161	0.054	0.161		0.054						0.430	0.496
Stereospermum species	827		0.054									0.054	0.062
Syzygium species	850	0.054	0.108									0.162	0.187
Terminalia belerica	861		0.054		0.054	0.054						0.162	0.187
Terminalia chebula	864		0.108									0.108	0.124
Terminalia myriocarpa	868	0.269	0.592	0.377	0.054	0.161	0.054	0.108	0.161		0.215	1.991	2.295
Terminalia species	871				0.108	0.054						0.162	0.187
Ulmus wallichiana	888	0.592	0.215	0.054		0.054						0.915	1.055
Others	944	15.225	5.219	1.184	0.699	0.161	0.108		0.054	0.108	0.054	22.812	26.294
TOTAL		42.506	22.386	10.659	5.547	2.264	1.240	0.809	0.539	0.270	0.539	86.759	100.000
DIAMETER CLASS %		48.993	25.803	12.286	6.394	2.610	1.429	0.932	0.621	0.311	0.621	100.000	

TABLE NO.1.1.4

District: East Siang  
Stratum: II (Unclassed)

## NO OF STEMS PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Acer species	021	0.102										0.102	0.049
Ailanthus altissima	039	0.204	0.408				0.102					0.714	0.342
Albizzia procera	050		0.306	0.510	0.204	0.102			0.204	0.102		1.428	0.684
Albizzia species	051	4.590	4.182	2.142	1.122	0.204	0.102		0.102			12.444	5.956
Alnus nepalensis	053		0.204	0.306	0.306	0.102						0.918	0.439
Alstonia scholaris	057	0.102										0.102	0.049
Altinaria excelsa	060	1.938	1.224	0.612	0.306	0.102						4.182	2.002
Amoora wallichii	064	0.102		0.306	0.102							0.510	0.244
Amoora species	065	2.244	1.122	0.102			0.102					3.570	1.709
Aphanaxis polystachyus	080									0.102		0.102	0.049
Artocarpus chaplasha	089				0.204							0.204	0.098
Artocarpus heterophyllus	091		0.102		0.204							0.306	0.146
Artocarpus species	094	0.204			0.102	0.204		0.204				0.714	0.342
Atalantia spinosa	099	0.102										0.102	0.049
Barringtonia acutangula	108									0.102		0.102	0.049
Bauhinia retusa	116	0.408	0.408	0.102	0.204	0.102						1.224	0.586
Bauhinia species	118	0.714	0.204	0.306								1.224	0.586
Betula alnoides	126	0.306	0.408	0.204								0.918	0.439
Bischofia javanica	118	0.102	0.102	0.102								0.306	0.146
Callicarpa arborea	148	1.632	0.306									1.938	0.928
Callicarpa species	154	0.408	0.204									0.612	0.293
Canarium resiniferum	166		0.306		0.102							0.408	0.195
Canarium species	168	0.612	0.408	0.204	0.102				0.102			1.428	0.684
Castonopsis indica	192	1.428	2.652	2.448	2.244	0.510	0.408		0.102			9.792	4.687
Castonopsis javanica	193	0.204										0.204	0.098
Castonopsis species	194	7.140	4.794	3.468	1.122	0.306	0.408	0.306		0.102		17.646	8.446
Cecrela toona	198	0.612	0.510	0.306	0.204	0.102						1.734	0.830
Chukrasia vellutina	208			0.102	0.102							0.204	0.098
Chukrasia species	209	0.102	0.306			0.102						0.510	0.244
Cinnamomum tamala	214	0.510	0.102									0.612	0.293
Cinnamomum species	216	1.734	1.122	0.306	0.306		0.204					3.672	1.758
Cyclostemon assamicus	262	0.408	0.102									0.510	0.244

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Duabanga grandiflora	303	0.510	0.918	1.632	1.122	0.918	0.408	0.102	0.102			5.712	2.734
Dysoxylum binectariferum	304	0.102	0.306	0.102								0.510	0.244
Engelhardtia spicata	328	2.244	1.530	0.816								4.590	2.197
Erythrina variegata	341	0.102	0.204	0.816	0.102	0.204		0.102				1.530	0.732
Erythrina species	342	0.204	0.714	0.612	0.204		0.102					1.836	0.879
Eugenia frondosa	351	2.040	0.204									2.244	1.074
Euginea species	358	0.306	0.306	0.102								0.714	0.342
Eurya japonica	367	1.020										1.020	0.488
Evodia fraxinifolia	368	0.102										0.102	0.049
Ficus species	385	2.550	1.428	0.612	0.102	0.102						4.794	2.295
Grewia species	432	0.204										0.204	0.098
Hydnocarpus alpina	466	1.224	0.204									1.428	0.684
Hydnocarpus species	469	0.204										0.204	0.098
Kydia calycina	501	1.734	1.428	1.224	0.612	0.204		0.102	0.102			5.406	2.588
Lagerstroemia speciosa	506	0.102										0.102	0.049
Laportea crenulata	511	1.326	1.020									2.346	1.123
Litsaea species	541	0.306	0.306									0.612	0.293
Lophostepalum fimbriatum	543					0.102						0.102	0.049
Macaranga denticulata	546	1.632	1.020	0.102								2.754	1.318
Macaranga indica	547	0.408	0.306									0.714	0.342
Mecaranga peltata	548	2.958	0.612	0.204								3.774	1.806
Machilus species	559	3.468	0.816	0.102	0.204							4.590	2.197
Macropanax oreophilum	560	0.102										0.102	0.049
Magnolia species	562	0.714	0.714	0.306	0.102		0.102					1.938	0.928
Mallotus philippensis	565	0.306	0.306	0.102	0.204							0.918	0.439
Mallotus species	566	0.102	0.306	0.102								0.510	0.244
Mangifera sylvatica	570			0.204								0.204	0.098
Mesua ferrea	593		0.102									0.102	0.049
Michelia species	602	0.204	0.204	0.408	0.204	0.102						1.122	0.537
Morus laevigata	617			0.102	0.102	0.102	0.102					0.306	0.146
Myristica species	630	0.102	0.102	0.102	0.102							0.408	0.195
Ostodes paniculata	652	0.102										0.102	0.049
Phoebe species	673	0.612	0.204	0.102								0.918	0.439

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Pterospermum acerifolium	725	1.326	0.918	0.918	0.510	0.102			0.102			3.876	1.855
Quercus lanceaefolia	745	0.102	0.204		0.204				0.102			0.612	0.293
Rhus species	768	0.408	0.306	0.204								0.918	0.439
Sapium baccatum	785					0.102						0.102	0.049
Saurauia nepaulensis	791	5.406	0.102									5.508	2.636
Schima wallichii	794			0.102	0.102	0.102						0.306	0.146
Semecarpus anacardium	798		0.102									0.102	0.049
Spóndias acuminatus	810		0.102									0.102	0.049
Spondias species	813	0.102	0.102	0.102	0.306	0.204	0.102	0.102	0.102			1.122	0.537
Sterculia foetida	818			0.102								0.102	0.049
Stereospermum personatum	823	0.102	0.510	0.918	0.306		0.102	0.102				2.040	0.976
Stereospermum species	827			0.102								0.102	0.049
Symplocos laurina	839	0.102										0.102	0.049
Syzygium cumini	843	1.632	1.020									2.652	1.269
Syzygium species	850	0.408										0.408	0.195
Terminalia myriocarpa	868	1.020	1.428	0.714	1.224	0.408	0.306	0.306	0.306	0.102	0.204	6.018	2.881
Terminalia species	871	0.612	0.408	0.204		0.102		0.102				1.428	0.684
Ulmus wallichiana	888	1.734	0.714	0.102								2.550	1.221
Vitex peduncularis	901	0.102	0.102			0.102						0.306	0.146
Others	944	38.852	11.868	4.692	1.530	0.204	0.102	0.204	0.204	0.102	2.448	60.206	28.817
TOTAL		102.806	50.628	27.234	14.382	4.794	2.652	1.632	1.326	0.612	2.856	208.922	100.000
DIAMETER CLASS %		49.208	24.233	13.035	6.884	2.295	1.269	0.781	0.635	0.293	1.367	100.000	

TABLE NO.1.2.1

District: East Siang	TOTAL STEMS (IN 000 UNIT) BY SPECIES AND DIAMETER CLASSES(IN CM)												
Stratum:I(Reserved)	Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
	Ailanthus altissima	039	18.058	18.058	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	54.174
	Albizzia chimensis	044	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
	Albizzia lebbek	046	0.000	0.000	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	18.058
	Albizzia lucida	047	0.000	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
	Albizzia procera	050	18.058	18.058	72.442	18.058	54.279	18.058	0.000	0.000	0.000	0.000	198.952
	Albizzia species	051	343.941	253.441	90.500	36.221	0.000	0.000	0.000	0.000	0.000	0.000	724.102
	Alstonia scholaris	057	54.279	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	54.279
	Altingia excelsa	060	180.999	108.558	36.221	36.221	36.221	0.000	0.000	0.000	0.000	0.000	398.219
	Amoora wallichii	064	54.279	36.221	54.279	54.279	36.221	0.000	0.000	0.000	0.000	0.000	235.278
	Amoora species	065	180.999	18.058	36.221	18.058	0.000	0.000	0.000	0.000	0.000	0.000	253.336
	Anthocephalus cadamba	074	0.000	0.000	54.279	54.279	0.000	0.000	0.000	0.000	0.000	0.000	108.558
	Artocarpus chaplasha	089	0.000	36.221	18.058	18.058	0.000	0.000	18.058	0.000	0.000	0.000	90.395
	Bauhinia purpurea	114	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
	Bauhinia retusa	116	126.721	162.941	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	289.662
	Bauhinia species	118	126.721	144.778	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	271.499
	Bischofia javanica	129	18.058	18.058	0.000	36.221	0.000	0.000	0.000	0.000	18.058	0.000	90.395
	Bombax ceiba	131	36.221	54.279	54.279	36.221	36.221	0.000	18.058	18.058	0.000	0.000	253.336
	Callicarpa arborea	150	343.941	36.221	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	398.219
	Canarium resiniferum	166	18.058	72.442	36.221	0.000	0.000	0.000	0.000	0.000	0.000	0.000	126.721
	Canarium species	168	343.941	343.941	144.778	18.058	0.000	0.000	18.058	0.000	0.000	0.000	868.776
	Castanopsis hystrix	191	0.000	36.221	18.058	36.221	0.000	18.058	0.000	0.000	0.000	0.000	108.558
	Castanopsis indica	192	199.057	199.057	126.721	54.279	36.221	36.221	0.000	0.000	0.000	0.000	651.556
	Castanopsis species	194	54.279	36.221	72.442	90.500	0.000	18.058	0.000	0.000	0.000	0.000	271.499
	Cedrela toona	198	108.663	126.721	72.442	18.058	36.221	18.058	0.000	18.058	0.000	0.000	398.219
	Chukrasia velutina	208	54.279	90.500	36.221	0.000	18.058	18.058	0.000	0.000	0.000	0.000	217.115
	Chukrasia species	209	18.058	0.000	18.058	18.058	18.058	18.058	0.000	0.000	0.000	0.000	90.290
	Cinnamomum species	216	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
	Dillenia indica	277	18.058	0.000	0.000	18.058	36.221	54.279	0.000	0.000	0.000	0.000	126.616
	Dillenia pentagyna	278	54.279	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	54.279
	Duabanga grandiflora	303	126.721	72.442	199.057	54.279	108.558	72.442	18.058	18.058	0.000	0.000	669.613
	Dysoxylum binectariferum	304	217.220	90.500	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	325.778
	Endospermum chinense	326	0.000	18.058	36.221	0.000	0.000	0.000	0.000	0.000	0.000	0.000	54.279

<b>Species Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Erythrina suberosa	340	0.000	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Erythrina species	342	0.000	0.000	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Ficus species	385	235.278	126.721	54.279	18.058	18.058	18.058	0.000	0.000	0.000	0.000	470.451
Grewia species	432	36.221	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.221
Hydnocarpus alpina	466	18.058	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.116
Kayea assamnica	492	18.058	54.279	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	90.395
Kydia calycina	501	54.279	180.999	126.721	108.558	36.221	0.000	18.058	18.058	0.000	0.000	542.893
Lannea coromandelica	509	36.221	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.221
Laportia crenulata	511	54.279	0.000	54.279	0.000	0.000	0.000	0.000	0.000	0.000	0.000	108.558
Litsaea species	541	18.058	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.116
Maearanga denticulata	546	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Macaranga indica	547	289.557	108.558	36.221	0.000	0.000	0.000	0.000	0.000	0.000	0.000	434.335
Macaranga peltata	548	90.500	72.442	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	162.941
Machilus species	559	0.000	0.000	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Magnolia species	562	54.279	18.058	36.221	18.058	0.000	0.000	0.000	0.000	0.000	0.000	126.616
Mangifera indica	569	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Mangifera sylvatica	570	18.058	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.116
Mesua ferrea	593	18.058	54.279	72.442	54.279	0.000	0.000	0.000	0.000	0.000	0.000	199.057
Michelia doltsopa	596	0.000	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Michelia species	602	162.941	199.057	126.721	108.558	36.221	18.058	0.000	0.000	0.000	0.000	651.556
Morus laevigata	617	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Polyanthia species	699	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Pterospermum acerifolium	725	126.721	18.058	36.221	18.058	0.000	0.000	18.058	0.000	0.000	0.000	217.115
Sapindus mukorossi	784	0.000	0.000	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Sapium baccatum	785	0.000	0.000	0.000	0.000	0.000	0.000	18.058	0.000	0.000	0.000	18.058
Schima wallichii	794	18.058	18.058	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	54.174
Sterculia villosa	821	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Stereospermum personatum	824	36.221	72.442	36.221	18.058	36.221	0.000	36.221	18.058	0.000	0.000	253.441
Syzygium species	850	54.279	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	72.337
Terminalia myriocarpa	868	54.279	144.778	180.999	144.778	72.442	54.279	18.058	18.058	0.000	18.058	705.729
Terminalia species	871	0.000	54.279	54.279	36.221	18.058	18.058	0.000	0.000	0.000	0.000	180.894
Trewia nudiflora	880	18.058	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.116
Ulmus wallichiana	888	0.000	18.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.058
Others	944	4054.427	723.997	343.941	126.721	108.558	54.279	18.058	0.000	0.000	0.000	5429.979
<b>TOTAL</b>		<b>8234.944</b>	<b>4017.576</b>	<b>2461.444</b>	<b>1374.818</b>	<b>742.055</b>	<b>434.020</b>	<b>198.742</b>	<b>108.348</b>	<b>18.058</b>	<b>18.058</b>	<b>17608.062</b>

TABLE NO.1.2.2

District: East Siang  
 Stratum: II(Reserved)

TOTAL STEMS( IN 000 UNIT ) BY SPECIES AND DIAMETER CLASSES(IN CM)

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Albizia species		051	0.000	36.204	18.102	54.306	0.000	0.000	0.000	0.000	0.000	0.000	108.612
Amoora species		065	199.122	72.408	18.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	289.632
Bauhinia species		118	90.510	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	90.510
Callicarpa species		154	18.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.102
Canarium species		168	54.306	18.102	36.204	18.102	0.000	0.000	0.000	0.000	0.000	0.000	126.714
Castanopsis species		194	72.408	126.714	108.612	36.204	0.000	18.102	0.000	0.000	0.000	0.000	362.040
Cinnamomum species		216	0.000	18.102	18.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.204
Ficus species		385	54.306	18.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	72.408
Hydnocarpus alpina		466	18.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.102
Hydnocarpus species		489	36.204	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.204
Kydia calycina		501	90.510	54.306	36.204	0.000	0.000	0.000	0.000	0.000	0.000	0.000	181.020
Litsaea species		541	18.102	18.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.204
Macaranga indica		547	54.306	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	54.306
Magnolia species		562	18.102	36.204	36.204	18.102	0.000	18.102	0.000	0.000	0.000	0.000	126.714
Michelia species		602	0.000	0.000	54.306	18.102	0.000	0.000	0.000	0.000	0.000	0.000	72.408
Pterospermum acerifolium		725	54.306	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	54.306
Quercus species		754	144.816	90.510	54.306	0.000	0.000	0.000	0.000	0.000	0.000	0.000	289.632
Spondias species		813	18.102	18.102	0.000	18.102	0.000	0.000	0.000	18.102	0.000	0.000	72.408
Symplocos laurina		839	18.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.102
Terminalia species		871	108.612	54.306	18.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	181.020
Others		944	253.428	18.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	271.530
<b>TOTAL</b>			<b>1321.446</b>	<b>579.264</b>	<b>398.244</b>	<b>162.918</b>	<b>0.000</b>	<b>36.204</b>	<b>0.000</b>	<b>18.102</b>	<b>0.000</b>	<b>0.000</b>	<b>2516.178</b>

District: East Siang  
Stratum: (Unclassed)

TABLE NO.1.2.3  
TOTAL STEMS ( IN 000 UNIT ) BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Ailanthus altissima	039	14.111	70.294	28.222	14.111	0.000	0.000	0.000	0.000	0.000	0.000	126.738
Ailanthus excelsa	040	28.222	0.000	0.000	0.000	0.000	14.111	0.000	0.000	0.000	0.000	42.333
Albizia lebbek	046	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.111
Albizia lucida	047	14.111	42.072	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	70.294
Albizia procera	050	14.111	70.294	84.405	42.072	28.222	14.111	0.000	0.000	0.000	0.000	253.214
Albizia species	051	196.770	323.247	154.698	126.476	14.111	14.111	0.000	28.222	0.000	0.000	857.636
Alstonia scholaris	057	28.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
Altingia excelsa	060	70.294	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	70.294
Amoora wallichii	064	0.000	28.222	14.111	14.111	0.000	0.000	14.111	0.000	0.000	0.000	70.555
Amoora species	065	112.365	56.183	42.072	0.000	14.111	0.000	0.000	0.000	0.000	0.000	224.731
Anthocephalus cadamba	074	0.000	14.111	28.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	42.333
Artocarpus chaplasha	089	0.000	0.000	14.111	28.222	28.222	14.111	0.000	0.000	0.000	0.000	84.666
Artocarpus heterophyllus	091	0.000	0.000	14.111	14.111	0.000	0.000	0.000	0.000	0.000	0.000	28.222
Artocarpus species	094	28.222	0.000	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	42.333
Atalantia spinosa	099	14.111	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.111
Bagenia serrata	105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
Bauhinia purpurea	114	154.698	140.587	56.183	28.222	0.000	0.000	14.111	0.000	0.000	0.000	14.111
Bauhinia retusa	116	168.809	70.294	70.294	28.222	0.000	0.000	0.000	0.000	0.000	0.000	379.691
Bauhinia species	118	42.072	28.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	337.619
Bischofia javanica	129	210.881	140.587	28.222	14.111	0.000	14.111	0.000	0.000	0.000	0.000	70.294
Boxbax ceiba	131	14.111	70.294	70.294	14.111	0.000	14.111	14.111	0.000	0.000	0.000	422.024
Callicarpa arborea	150	506.167	281.175	28.222	14.111	0.000	0.000	0.000	28.222	14.111	0.000	239.365
Callicarpa species	154	42.072	28.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	829.675
Canarium bengalense	164	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	70.294
Canarium resiniferum	166	98.516	14.111	28.222	28.222	0.000	0.000	14.111	0.000	0.000	0.000	14.111
Canarium species	168	112.365	84.405	56.183	14.111	0.000	0.000	0.000	0.000	0.000	0.000	183.182
Castanopsis indica	192	323.247	182.659	252.953	126.476	56.183	70.294	0.000	0.000	0.000	0.000	267.064
Castanopsis species	194	393.540	309.397	267.064	56.183	28.222	56.183	42.072	0.000	0.000	0.000	1011.812
Cedrela toona	198	84.405	0.000	0.000	0.000	0.000	14.111	0.000	0.000	0.000	14.111	1166.771
Chukrasia velutina	208	28.222	14.111	14.111	14.111	28.222	0.000	14.111	0.000	0.000	0.000	98.516
Chukrasia species	209	42.072	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	112.888
Cinnamomum species	216	28.222	70.294	28.222	0.000	14.111	0.000	0.000	0.000	0.000	0.000	56.183
Cryptocarya amygdalina	255	14.111	0.000	0.000	0.000	0.000	0.000	0.000	14.111	0.000	0.000	154.960
												14.111

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
<i>Cyclostemon assamicus</i>	262	28.222	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	42.333
<i>Dillenia indica</i>	277	14.111	14.111	14.111	28.222	28.222	14.111	0.000	0.000	0.000	0.000	112.888
<i>Dillenia pentagyna</i>	278	84.405	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	98.516
<i>Dipterocarpus macrocarpus</i>	296	0.000	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	14.111	28.222
<i>Duabanga grandiflora</i>	303	365.580	252.953	337.358	252.953	84.405	14.111	28.222	28.222	14.111	0.000	1377.914
<i>Dysoxylum binectariferum</i>	304	42.072	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	56.183
<i>Endospermum chinense</i>	326	42.072	14.111	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	70.294
<i>Erythrina variegata</i>	341	70.294	84.405	70.294	28.222	14.111	0.000	0.000	0.000	0.000	0.000	267.325
<i>Erythrina species</i>	342	210.881	70.294	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	295.286
<i>Eugenia species</i>	358	42.072	14.111	0.000	28.222	0.000	0.000	14.111	0.000	0.000	0.000	98.516
<i>Eurya japonica</i>	367	84.405	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	84.405
<i>Evodia fraxinifolia</i>	368	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.111
<i>Ficus bengalensis</i>	375	0.000	0.000	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	14.111
<i>Ficus species</i>	385	942.041	393.540	112.365	56.183	14.111	0.000	0.000	0.000	0.000	0.000	1518.240
<i>Gmelina arborea</i>	420	28.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
<i>Grewia species</i>	432	154.698	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	168.809
<i>Gyrocarpus odorata</i>	438	0.000	0.000	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	14.111
<i>Hydnocarpus alpina</i>	466	42.072	42.072	0.000	0.000	14.111	0.000	0.000	0.000	0.000	0.000	98.254
<i>Hydnocarpus kurzii</i>	467	0.000	14.111	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
<i>Kayea assamnica</i>	492	42.072	42.072	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	98.254
<i>Kydia calycina</i>	501	365.580	477.945	239.103	70.294	28.222	14.111	0.000	14.111	0.000	0.000	1209.366
<i>Lannea coromandelica</i>	509	0.000	28.222	14.111	0.000	14.111	0.000	0.000	0.000	0.000	0.000	56.444
<i>Litsaea species</i>	541	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.111
<i>Macaranga indica</i>	547	576.461	140.587	14.111	14.111	0.000	0.000	0.000	0.000	0.000	0.000	745.270
<i>Macaranga peltata</i>	548	365.580	56.183	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	435.873
<i>Machilus species</i>	559	28.222	14.111	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	56.444
<i>Magnolia species</i>	562	56.183	70.294	28.222	14.111	0.000	14.111	14.111	0.000	0.000	0.000	211.143
<i>Mallotus species</i>	566	14.111	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
<i>Mangifera indica</i>	569	28.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
<i>Mangifera sylvatica</i>	570	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
<i>Michelia species</i>	602	28.222	70.294	14.111	14.111	14.111	0.000	0.000	0.000	0.000	0.000	14.111
<i>Morus laevigata</i>	617	14.111	0.000	0.000	0.000	14.111	0.000	0.000	0.000	0.000	0.000	140.849
<i>Myristica species</i>	630	14.111	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
<i>Phoebe species</i>	673	28.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
<i>Pinus species</i>	686	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.111

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Premna bengalensis	705	42.072	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	42.072
Pterospermum acerifolium	725	14.111	98.516	0.000	0.000	0.000	0.000	14.111	0.000	0.000	0.000	126.738
Quercus lanceaeefolia	745	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.111
Sapium baccatum	785	0.000	14.111	28.222	14.111	0.000	0.000	0.000	0.000	0.000	0.000	56.444
Saurauia nepaulensis	791	42.072	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	42.072
Sideroxylon grandifolium	804	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.111
Spondias pinnata	812	0.000	14.111	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
Spondias species	813	28.222	56.183	28.222	14.111	14.111	0.000	0.000	0.000	0.000	0.000	140.849
Sterculia foetida	818	112.365	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	126.476
Sterculia villosa	821	42.072	0.000	28.222	28.222	0.000	0.000	0.000	0.000	0.000	0.000	98.516
Stereospermum personatum	824	42.072	14.111	42.072	0.000	14.111	0.000	0.000	0.000	0.000	0.000	112.365
Stereospermum species	827	0.000	14.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.111
Syzygium species	850	14.111	28.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	42.333
Terminalia belerica	861	0.000	14.111	0.000	14.111	14.111	0.000	0.000	0.000	0.000	0.000	42.333
Terminalia chebula	864	0.000	28.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.222
Terminalia myriocarpa	868	70.294	154.698	98.516	14.111	42.072	14.111	28.222	42.072	0.000	56.183	520.278
Terminalia species	871	0.000	0.000	0.000	28.222	14.111	0.000	0.000	0.000	0.000	0.000	42.333
Ulmus wallichiana	888	154.698	56.183	14.111	0.000	14.111	0.000	0.000	0.000	0.000	0.000	239.103
Others	944	3978.521	1363.803	309.397	182.659	42.072	28.222	0.000	14.111	28.222	14.111	5961.118
<b>TOTAL</b>		<b>11107.455</b>	<b>5849.798</b>	<b>2785.357</b>	<b>1449.514</b>	<b>591.617</b>	<b>324.031</b>	<b>211.404</b>	<b>140.849</b>	<b>70.555</b>	<b>140.849</b>	<b>22671.428</b>

District: East Siang  
Stratum: II (Unclassed)

TABLE NO.1.2.4  
TOTAL STEMS (IN 000 M<sup>3</sup>) BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Acer species	021	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Ailanthus altissima	039	27.367	54.734	0.000	0.000	0.000	13.683	0.000	0.000	0.000	0.000	95.784
Albizia procera	050	0.000	41.050	68.417	27.367	13.683	0.000	0.000	27.367	13.683	0.000	191.568
Albizia species	051	615.753	561.019	287.351	150.517	27.367	13.683	0.000	13.683	0.000	0.000	1669.375
Alnus nepalensis	053	0.000	27.367	41.050	41.050	13.683	0.000	0.000	0.000	0.000	0.000	123.151
Alstonia scholaris	057	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Altinria excelsa	060	259.985	164.201	82.100	41.050	13.683	0.000	0.000	0.000	0.000	0.000	561.019
Amoora wallichii	064	13.683	0.000	41.050	13.683	0.000	0.000	0.000	0.000	0.000	0.000	68.417
Amoora species	065	301.035	150.517	13.683	0.000	0.000	13.683	0.000	0.000	0.000	0.000	478.919
Aphanaxis polystachyus	080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Artocarpus chaplasha	089	0.000	0.000	0.000	27.367	0.000	0.000	0.000	0.000	0.000	0.000	27.367
Artocarpus heterophyllus	091	0.000	13.683	0.000	27.367	0.000	0.000	0.000	0.000	0.000	0.000	41.050
Artocarpus species	094	27.367	0.000	0.000	13.683	27.367	0.000	27.367	0.000	0.000	0.000	95.784
Atalantia spinosa	099	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Barringtonia acutangula	108	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683	13.683
Bauhinia retusa	116	54.734	54.734	13.683	27.367	13.683	0.000	0.000	0.000	0.000	0.000	164.201
Bauhinia species	118	95.784	27.367	41.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	164.201
Betula alnoides	126	41.050	54.734	27.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	123.151
Bischofia javanica	118	13.683	13.683	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	41.050
Callicarpa arborea	148	218.934	41.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	259.985
Callicarpa species	154	54.734	27.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	82.100
Canarium resiniferum	166	0.000	41.050	0.000	13.683	0.000	0.000	0.000	0.000	0.000	0.000	54.734
Canarium species	168	82.100	54.734	27.367	13.683	0.000	0.000	0.000	13.683	0.000	0.000	191.568
Castonopsis indica	192	191.568	355.768	328.402	301.035	68.417	54.734	0.000	13.683	0.000	0.000	1313.607
Castonopsis javanica	193	27.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27.367
Castonopsis species	194	957.838	643.120	465.236	150.517	41.050	54.734	41.050	0.000	13.683	0.000	2367.229
Cecrela toona	198	82.100	68.417	41.050	27.367	13.683	0.000	0.000	0.000	0.000	0.000	232.618
Chukrasia vellutina	208	0.000	0.000	13.683	13.683	0.000	0.000	0.000	0.000	0.000	0.000	27.367
Chukrasia species	209	13.683	41.050	0.000	0.000	13.683	0.000	0.000	0.000	0.000	0.000	68.417
Cinnamomum tamala	214	68.417	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	82.100
Cinnamomum species	216	232.618	150.517	41.050	41.050	0.000	27.367	0.000	0.000	0.000	0.000	492.602
Cyclostemon assamicus	262	54.734	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	68.417
Duabanga grandiflora	303	68.417	123.151	218.934	150.517	123.151	54.734	13.683	0.000	13.683	0.000	766.271

<b>Species Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Dysoxylum binectariferum	304	13.683	41.050	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	68.417
Engelhardtia spicata	328	301.035	205.251	109.467	0.000	0.000	0.000	0.000	0.000	0.000	0.000	615.753
Erythrina variegata	341	13.683	27.367	109.467	13.683	27.367	0.000	13.683	0.000	0.000	0.000	205.251
Erythrina species	342	27.367	95.784	82.100	27.367	0.000	13.683	0.000	0.000	0.000	0.000	246.301
Eugenia frondosa	351	273.668	27.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	301.035
Euginea species	358	41.050	41.050	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	95.784
Eurya japonica	367	136.834	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	136.834
Evodia fraxinifolia	368	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Ficus species	385	342.085	191.568	82.100	13.683	13.683	0.000	0.000	0.000	0.000	0.000	643.120
Grewia species	432	27.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27.367
Hydnocarpus alpina	466	164.201	27.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	191.568
Hydnocarpus species	469	27.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27.367
Kydia calycina	501	232.618	191.568	164.201	82.100	27.367	0.000	13.683	13.683	0.000	0.000	725.220
Lagerstroemia speciosa	506	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Laportea crenulata	511	177.884	136.834	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	314.718
Litsaea species	541	41.050	41.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	82.100
Lophepetalum fimbriatum	543	0.000	0.000	0.000	0.000	0.000	13.683	0.000	0.000	0.000	0.000	13.683
Macaranga denticulata	546	218.934	136.834	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	369.452
Macaranga indica	547	54.734	41.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	95.784
Mecaranga peltata	548	396.819	82.100	27.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	506.286
Machilus species	559	465.236	109.467	13.683	27.367	0.000	0.000	0.000	0.000	0.000	0.000	615.753
Macropanax oreophilum	560	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Magnolia species	562	95.784	95.784	41.050	13.683	0.000	13.683	0.000	0.000	0.000	0.000	259.985
Mallotus philippensis	565	41.050	41.050	13.683	27.367	0.000	0.000	0.000	0.000	0.000	0.000	123.151
Mallotus species	566	13.683	41.050	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	68.417
Mangifera sylvatica	570	0.000	0.000	0.000	27.367	0.000	0.000	0.000	0.000	0.000	0.000	27.367
Mesua ferrea	593	0.000	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Michelia species	602	27.367	27.367	54.734	27.367	13.683	0.000	0.000	0.000	0.000	0.000	150.517
Morus laevigata	617	0.000	0.000	13.683	13.683	13.683	0.000	0.000	0.000	0.000	0.000	41.050
Myristica species	630	13.683	13.683	13.683	13.683	0.000	0.000	0.000	0.000	0.000	0.000	54.734
Ostodes paniculata	652	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Phoebe species	673	82.100	27.367	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	123.151
Pterospermum acerifolium	725	177.884	123.151	123.151	68.417	13.683	0.000	0.000	0.000	0.000	0.000	519.969

<b>Species Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Quercus lanceaefolia	745	13.683	27.367	0.000	27.367	0.000	0.000	0.000	13.683	0.000	0.000	82.100
Rhus species	768	54.734	41.050	27.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	123.151
Sapium baccatum	785	0.000	0.000	0.000	0.000	13.683	0.000	0.000	0.000	0.000	0.000	13.683
Sauraia nepaulensis	791	725.220	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	738.904
Schima wallichii	794	0.000	0.000	13.683	13.683	13.683	0.000	0.000	0.000	0.000	0.000	41.050
Semecarpus anacardium	798	0.000	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Spondias acuminatus	810	0.000	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Spondias species	813	13.683	13.683	13.683	41.050	27.367	13.683	13.683	13.683	0.000	0.000	150.517
Sterculia foetida	818	0.000	0.000	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Stereospermum personatum	823	13.683	68.417	123.151	41.050	0.000	13.683	13.683	0.000	0.000	0.000	273.668
Stereospermum species	827	0.000	0.000	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Symplocos laurina	839	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.683
Syzygium cumini	843	218.934	136.834	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	355.768
Syzygium species	850	54.734	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	54.734
Terminalia myriocarpa	868	136.834	191.568	95.784	164.201	54.734	41.050	41.050	41.050	13.683	27.367	807.321
Terminalia species	871	82.100	54.734	27.367	0.000	13.683	0.000	13.683	0.000	0.000	0.000	191.568
Ulmus wallichiana	888	232.618	95.784	13.683	0.000	0.000	0.000	0.000	0.000	0.000	0.000	342.085
Vitex peduncularis	901	13.683	13.683	0.000	0.000	13.683	0.000	0.000	0.000	0.000	0.000	41.050
Others	944	5212.035	1592.104	629.436	205.251	27.367	13.683	27.367	27.367	13.683	328.402	8076.695
<b>TOTAL</b>		<b>13791.528</b>	<b>6791.797</b>	<b>3653.468</b>	<b>1929.360</b>	<b>643.120</b>	<b>355.768</b>	<b>218.934</b>	<b>177.884</b>	<b>82.100</b>	<b>383.135</b>	<b>28027.095</b>

TABLE NO.3.1.1

District: East Siang  
Stratum:I(Reserved)

VOLUME PER HECTARE BY SPECIES AND DIAMETER CLASSES(IN CM.)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Ailanthus altissima	039	0.030	0.088	0.264								0.382	0.272
Albizia chinensis	044		0.071									0.071	0.051
Albizia lebbek	046				0.393							0.393	0.280
Albizia lucida	047			0.183								0.183	0.130
Albizia procera	050	0.042	0.071	0.881	0.342	1.422	0.656					3.414	2.430
Albizia species	051	0.332	1.226	1.039	0.752							3.349	2.383
Alstonia scholaris	057	0.075										0.075	0.053
Altingia excelsa	060	0.197	0.529	0.409	0.737	0.973						2.845	2.025
Amoora wallichii	064	0.027	0.160	0.613	1.073	1.145						3.018	2.148
Amoora species	065	0.345	0.080	0.406	0.393							1.224	0.871
Anthocephalus cadamba	074			0.553	0.997							1.550	1.103
Artocarpus chaplasha	089		0.275	0.236	0.279			0.902				1.692	1.204
Articarpus species	094	0.042	0.152									0.194	0.138
Bauhinia purpurea	114	0.030										0.030	0.021
Bauhinia retusa	116	0.158	0.704									0.862	0.613
Bauhinia species	118	0.189	0.615									0.804	0.572
Bischofia javanica	129	0.024	0.107		0.558							2.484	1.768
Boxbax ceiba	131	0.064	0.250	0.431	0.449	1.035			0.829	1.319		4.377	3.115
Callicarpa arborea	150	0.359	0.162	0.171								0.692	0.492
Canarium resiniferum	166	0.030	0.307	0.331								0.668	0.475
Canarium species	168	0.602	1.806	1.512	0.359							5.376	3.826
Castanopsis hystrix	191		0.243	0.196	0.752			0.702				1.893	1.347
Castanopsis indica	192	0.286	1.042	1.303	1.094	1.098	1.429					6.252	4.449
Castanopsis species	194	0.085	0.152	0.787	1.703		0.876					3.603	2.564
Cedrela toona	198	0.963	0.627	0.763	0.430	1.054	0.774		1.217			5.828	4.148
Chukrasia velutina	208	0.025	0.512	0.432		0.611	0.774					2.354	1.675
Chukrasia species	209	0.019		0.264	0.310	0.467	0.679					1.739	1.238
Cinnamomum cecidodaphne	213	0.030										0.030	0.021
Cinnamomum species	216		0.107									0.107	0.076
Dillenia indica	277	0.002			0.393	1.036	2.327					3.758	2.674
Dillenia pentagyna	278	0.126										0.126	0.090
Duabanga grandiflora	303	0.175	0.210	1.682	0.835	2.813	2.733	0.957	1.096			10.501	7.473

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Dysoxylum binectariferum	304	0.311	0.368		0.326							1.005	0.715
Endospermum chinense	326		0.137	0.32								0.457	0.325
Erythrina subrosa	340			0.196								0.196	0.139
Erythrina species	342				0.342							0.342	0.243
Ficus species	385	0.323	0.572	0.646	0.359	0.547	0.725					3.172	2.257
Grewia species	432	0.073										0.073	0.052
Hydnocarpus alpina	466	0.03		0.148								0.178	0.127
Kayea assamica	492	0.002	0.296		0.294							0.592	0.421
Kydia calycina	501	0.054	0.738	1.166	1.975	1.021		1.1	1.517			7.571	5.388
Lannea coromandelica	509	0.033										0.033	0.023
Laportea crenulata	511	0.023		0.627								0.65	0.463
Litsaea species	541	0.019	0.08									0.099	0.070
Macaranga denticulata	546		0.107									0.107	0.076
Macaranga indica	547	0.309	0.54	0.384								1.233	0.877
Macaranga peltata	548	0.109	0.346									0.455	0.324
Machilus species	559			0.236								0.236	0.168
Magnolia species	562	0.069	0.107	0.424	0.359							0.959	0.682
Mangifera indica	569		0.08									0.08	0.057
Mangifera sylvatica	570	0.006	0.056									0.062	0.044
Mesua ferrea	593	0.014	0.206	0.688	1.011							1.919	1.366
Michelia doltsopa	596			0.25								0.25	0.178
Michelia species	602	0.247	0.645	1.213	2.083	1.092	0.889					6.169	4.390
Morus laevigata	617		0.063									0.063	0.045
Polyanthia species	699	0.03										0.03	0.021
Pterospermum acerifolium	725	0.134	0.127	0.38	0.31			1.039				1.99	1.416
Sapindus mukorossi	784				0.393							0.393	0.280
Sapium baccatum	785							0.902				0.902	0.642
Schima wallichii	794	0.019	0.107	0.209								0.335	0.238
Sterculia villosa	821	0.002										0.002	0.001
Stereospermum personatum	824	0.015	0.323	0.446	0.359	0.897		1.967	1.376			5.383	3.831
Syzygium species	850	0.059	0.088									0.147	0.105
Terminalia myriocarpa	868	0.092	0.733	2.188	2.796	2.153	2.227	0.983	1.442			12.614	8.977

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Terminalia species		871		0.348	0.719	0.698	0.461	0.689					2.915	2.075
Trewia nudiflora		880	0.042	0.127									0.169	0.120
Ulmus wallichiana		888		0.071									0.071	0.051
Others		944	4.605	3.606	3.696	2.322	3.271	2.397	1.608				21.505	15.304
<b>TOTAL</b>			9.666	19.405	26.391	25.478	21.097	17.873	10.844	7.966	1.795		140.515	100.000
<b>DIAMETER CLASS %</b>			6.879	13.810	18.782	18.132	15.014	12.720	7.717	5.669	1.277	0.000	100	

TABLE NO.3.2.1  
TOTAL VOLUME (IN 000 M<sup>3</sup>) BY SPECIES AND DIAMETER CLASSES (IN CM.)

District: East Siang  
Stratum: (Reserved)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
<i>Endospermum chinense</i>	326	0.000	14.383	33.596	0.000	0.000	0.000	0.000	0.000	0.000	0.000	47.980
<i>Erythrina subrosa</i>	340	0.000	0.000	20.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000	20.578
<i>Erythrina species</i>	342	0.000	0.000	0.000	35.906	0.000	0.000	0.000	0.000	0.000	0.000	35.906
<i>Ficus species</i>	385	33.911	60.053	67.822	37.691	57.428	76.116	0.000	0.000	0.000	0.000	333.022
<i>Grewia species</i>	432	7.664	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.664
<i>Hydnocarpus alpina</i>	466	3.150	0.000	15.538	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.688
<i>Kayea assamica</i>	492	0.210	31.076	0.000	30.866	0.000	0.000	0.000	0.000	0.000	0.000	62.153
<i>Kydia calycina</i>	501	5.669	77.481	122.416	207.351	107.193	0.000	115.487	159.267	0.000	0.000	794.864
<i>Lannea coromandelica</i>	509	3.465	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.465
<i>Laportea crenulata</i>	511	2.415	0.000	65.827	0.000	0.000	0.000	0.000	0.000	0.000	0.000	68.242
<i>Litssea species</i>	541	1.995	8.399	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.394
<i>Macaranga denticulata</i>	546	0.000	11.234	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.234
<i>Macaranga indica</i>	547	32.441	56.694	40.315	0.000	0.000	0.000	0.000	0.000	0.000	0.000	129.450
<i>Macaranga pettata</i>	548	11.444	36.326	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	47.770
<i>Machilus species</i>	559	0.000	0.000	24.777	0.000	0.000	0.000	0.000	0.000	0.000	0.000	24.777
<i>Magnolia species</i>	562	7.244	11.234	44.515	37.691	0.000	0.000	0.000	0.000	0.000	0.000	100.683
<i>Mangifera indica</i>	569	0.000	8.399	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.399
<i>Mangifera syriaca</i>	570	0.630	5.879	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.509
<i>Mesua ferrea</i>	593	1.470	21.628	72.232	106.143	0.000	0.000	0.000	0.000	0.000	0.000	201.472
<i>Michelia doltsopa</i>	596	0.000	0.000	26.247	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.247
<i>Michelia species</i>	602	25.932	67.717	127.350	218.690	114.647	93.334	0.000	0.000	0.000	0.000	647.671
<i>Morus laevigata</i>	617	0.000	6.614	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.614
<i>Polyanthia species</i>	699	3.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.150
<i>Pterospermum acerifolium</i>	725	14.068	13.333	39.895	32.546	0.000	109.083	0.000	0.000	0.000	0.000	208.926
<i>Sapindus mukorossi</i>	784	0.000	0.000	41.260	0.000	0.000	0.000	0.000	0.000	0.000	0.000	41.260
<i>Sapium baccatum</i>	785	0.000	0.000	0.000	0.000	0.000	94.699	0.000	0.000	0.000	0.000	94.699
<i>Schima wallichii</i>	794	1.995	11.234	21.942	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.171
<i>Sterculia villosa</i>	821	0.210	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.210
<i>Stereospermum personatum</i>	824	1.575	33.911	46.825	37.691	94.174	0.000	206.511	144.463	0.000	0.000	565.150
<i>Syzygium species</i>	850	6.194	9.239	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.433
<i>Terminalia myriocarpa</i>	868	9.659	76.956	229.714	293.546	226.039	233.808	103.203	151.393	0.000	0.000	1324.319
<i>Terminalia species</i>	871	0.000	36.536	75.486	73.282	48.399	72.337	0.000	0.000	0.000	0.000	306.040
<i>Trewia nudiflora</i>	880	4.409	13.333	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.743
<i>Ulmus wallichiana</i>	888	0.000	7.454	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.454
Others	944	483.470	378.587	388.036	243.782	343.416	251.656	168.821	0.000	0.000	0.000	2257.767
<b>TOTAL</b>		1014.814	2037.292	2770.738	2674.884	2214.932	1138.490	836.334	188.453	0.000	0.000	14752.389

District: East Siang  
Stratum: II (Reserved)

TABLE NO.3.1.2  
VOLUME PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM)

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Ailanthus altissima		039	0.622	2.086				5.648	7.608				2.708	1.301
Albizia procera		050			2.272								13.256	6.369
Amoora species		065	0.692										2.964	1.424
Anthocephalus cadamba		074					6.592						6.592	3.167
Bauhinia retusa		116	2.844										2.844	1.366
Bischofia javanica		129		0.826									0.826	0.397
Castanopsis indica		192	0.565		4.886	4.984							10.435	5.014
Castanopsis species		194	0.978	1.350	4.850								7.178	3.449
Cedrela toona		198		2.296	3.707	3.237							9.240	4.440
Chukrasia velutina		208					5.650						5.650	2.715
Cinnamomum species		216	0.412										0.412	0.198
Duabanga grandiflora		303		3.174	1.216	6.440	9.336						20.166	9.689
Engelhardtia spicata		328				4.262							4.262	2.048
Erythrina variegata		341		0.922									0.922	0.443
Ficus species		385	0.278	0.648									0.926	0.445
Hydnocarpus alpinus		466	1.678	1.972			5.646						9.296	4.467
Juglans regia		487					6.840						6.840	3.287
Kydia calycina		501			2.632	9.980	5.922	21.025					39.559	19.008
Macaranga denticulata		546	0.486	1.022									1.508	0.725
Melia azadirachta		583		0.734									0.734	0.353
Michelia champaca		595				1.720							1.720	0.826
Michelia doltsopa		596				2.422							2.422	1.164
Myristica species		630		0.922									0.922	0.443
Pterospermum acerifolium		725			2.898								2.898	1.392
Sapium baccatum		785		1.022									1.022	0.491
Stereospermum personatum		824		1.592									1.592	0.765
Syzygium cumini		843	1.083			4.163							5.246	2.521
Terminalia muynocarpa		868		3.926	9.336	10.847							24.109	11.584
Others		944	6.573	9.481	1.851	3.969							21.874	10.510
<b>TOTAL</b>			16.211	31.973	28.454	46.371	56.481	28.633					208.123	100.000
<b>DIAMETER CLASS %</b>			7.789	15.363	13.672	22.281	27.138	13.758	0.000	0.000	0.000	0.000	100.000	

District: East Siang  
Stratum: II (Reserved)

**TABLE NO.3.2.2**  
**TOTAL VOLUME( IN 000 M<sup>3</sup> ) BY SPECIES AND DIAMETER CLASSES (IN CM)**

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
<i>Ailanthus altissima</i>		039	5.630	18.880	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	24.510
<i>Albizia procera</i>		050	0.000	0.000	0.000	0.000	51.120	68.860	0.000	0.000	0.000	0.000	119.980
<i>Amoora species</i>		065	6.263	0.000	20.564	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.827
<i>Anthocephalus cadamba</i>		074	0.000	0.000	0.000	0.000	59.664	0.000	0.000	0.000	0.000	0.000	59.664
<i>Bauhinia retusa</i>		116	25.741	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	25.741
<i>Bischofia javanica</i>		129	0.000	7.476	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.476
<i>Castanopsis indica</i>		192	5.114	0.000	44.223	45.110	0.000	0.000	0.000	0.000	0.000	0.000	94.447
<i>Castanopsis species</i>		194	8.852	12.219	43.897	0.000	0.000	0.000	0.000	0.000	0.000	0.000	64.968
<i>Cedrela toona</i>		198	0.000	20.781	33.552	29.298	0.000	0.000	0.000	0.000	0.000	0.000	83.631
<i>Chukrasia velutina</i>		208	0.000	0.000	0.000	0.000	51.138	0.000	0.000	0.000	0.000	0.000	51.138
<i>Cinnamomum species</i>		216	3.729	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.729
<i>Dubanga grandiflora</i>		303	0.000	28.728	11.006	58.288	84.500	0.000	0.000	0.000	0.000	0.000	182.522
<i>Engelhardtia spicata</i>		328	0.000	0.000	0.000	38.575	0.000	0.000	0.000	0.000	0.000	0.000	38.575
<i>Erythrina variegata</i>		341	0.000	8.345	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.345
<i>Ficus species</i>		385	2.516	5.865	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.381
<i>Hydnocarpus alpina</i>		466	15.188	17.849	0.000	0.000	51.102	0.000	0.000	0.000	0.000	0.000	84.138
<i>Juglans regia</i>		487	0.000	0.000	0.000	0.000	61.909	0.000	0.000	0.000	0.000	0.000	61.909
<i>Kydia calycina</i>		501	0.000	0.000	23.822	90.329	53.600	190.297	0.000	0.000	0.000	0.000	358.049
<i>Macaranga denticulata</i>		546	4.399	9.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.649
<i>Melia azadirachta</i>		583	0.000	6.643	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.643
<i>Michelia champaca</i>		595	0.000	0.000	15.568	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.568
<i>Michelia doltsopa</i>		596	0.000	0.000	21.922	0.000	0.000	0.000	0.000	0.000	0.000	0.000	21.922
<i>Myristica species</i>		630	0.000	8.345	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.345
<i>Pterospermum acerifolium</i>		725	0.000	0.000	26.230	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.230
<i>Sapium baccatum</i>		785	0.000	9.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.250
<i>Stereospermum personatum</i>		824	0.000	14.409	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.409
<i>Syzygium cumini</i>		843	9.802	0.000	0.000	37.679	0.000	0.000	0.000	0.000	0.000	0.000	47.482
<i>Terminalia myriocarpa</i>		868	0.000	35.534	0.000	84.500	98.176	0.000	0.000	0.000	0.000	0.000	218.211
Others		944	59.492	85.813	16.753	35.923	0.000	0.000	0.000	0.000	0.000	0.000	197.982
<b>TOTAL</b>			146.726	289.388	257.537	419.704	511.210	259.157	0.000	0.000	0.000	0.000	1883.721

District: East Siang  
Stratum 1 (Unclassed)

TABLE NO.3.1.3  
VOLUME PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Ailanthus altissima		039	0.011	0.122	0.143	0.117							0.393	0.605
Ailanthus excelsa		040	0.065										0.322	0.496
Albizia lebbek		046		0.036									0.036	0.055
Albizia lucida		047	0.009	0.084	0.061								0.154	0.237
Albizia procera		050	0.011	0.134	0.337	0.266	0.212						1.328	2.046
Albizia species		051	0.104	0.693	0.670	0.980	0.140	0.206					3.623	5.581
Alstonia scholaris		057	0.006										0.006	0.009
Atingia excelsa		060	0.026										0.026	0.040
Amoora wallichii		064		0.041	0.047	0.082							0.498	0.767
Amoora species		065	0.043	0.117	0.201								0.507	0.781
Anthocephalus cadamba		074	0.040	0.144									0.184	0.283
Artocarpus chaplasha		089		0.057	0.262	0.330	0.249						0.898	1.383
Artocarpus heterophyllus		091		0.082	0.107								0.189	0.291
Artocarpus species		094	0.006		0.102								0.108	0.166
Atalantia spinosa		099	0.011	0.025									0.036	0.055
Bagania serrata		105											0.281	0.433
Bauhinia purpurea		114	0.060	0.293	0.280	0.246							0.879	1.354
Bauhinia retusa		116	0.041	0.126	0.335	0.199							0.701	1.080
Bauhinia species		118	0.018	0.050									0.068	0.105
Bischofia javanica		129	0.115	0.289	0.119	0.128		0.226					1.497	2.306
Bombax ceiba		131	0.013	0.121	0.233	0.074		0.250	0.276				0.282	0.357
Callicarpa arborea		150	0.273	0.466	0.103	0.097							0.939	1.447
Callicarpa species		154	0.022	0.040									0.062	0.096
Canarium bengalense		164	0.009										0.009	0.014
Canarium resiniferum		166	0.025	0.033	0.156	0.236							0.748	1.152
Canarium species		168	0.080	0.208	0.237	0.112							0.637	0.981
Castanopsis indica		192	0.228	0.358	1.137	0.947	0.678	1.188					4.536	6.988
Castanopsis species		194	0.195	0.606	1.133	0.429	0.286	0.960	0.887				5.141	7.920
Cedrela toona		198	0.040										0.245	0.377
Chukrasia velutina		208	0.026	0.043	0.061	0.087	0.362		0.298				0.877	1.351
Chukrasia species		209	0.011		0.053								0.064	0.099
Cinnamomum species		216	0.003	0.140	0.096	0.164							0.802	1.236

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Cryptocarya amygdalina</i>		255	0.013										0.013	0.020
<i>Cyclostemon assamicus</i>		262	0.024	0.020									0.044	0.068
<i>Dillenia indica</i>		277	0.013	0.028	0.069	0.225	0.329	0.225					0.889	1.370
<i>Dillenia pentagona</i>		278	0.028	0.030									0.058	0.089
<i>Dipterocarpus macrocarpus</i>		296			0.065								0.065	0.100
<i>Duaranga grandiflora</i>		303	0.122	0.305	1.101	1.631	0.848	0.198	0.516	0.816	0.490		6.027	9.285
<i>Dysosyllum binectariferum</i>		304	0.008	0.022									0.030	0.046
<i>Endospermum chinense</i>		326	0.017	0.020									0.160	0.246
<i>Erythrina variegata</i>		341	0.047	0.154	0.319	0.209	0.158						0.887	1.366
<i>Erythrina species</i>		342	0.090	0.137									0.350	0.539
<i>Eugenia species</i>		358	0.025	0.028									0.554	0.853
<i>Eurya japonica</i>		367	0.017										0.017	0.026
<i>Evodia fraxinifolia</i>		368	0.004										0.004	0.006
<i>Ficus bengalensis</i>		375	0.403	0.787	0.472	0.128							0.128	0.197
<i>Ficus species</i>		385					0.456	0.140					2.258	3.479
<i>Gmelina arborea</i>		420	0.015										0.015	0.023
<i>Grewia species</i>		432	0.064	0.030									0.094	0.145
<i>Gyrocarpus odorata</i>		438				0.102							0.102	0.157
<i>Hydnocarpus alpinus</i>		466	0.025	0.064			0.146						0.235	0.362
<i>Hydnocarpus kurzii</i>		467		0.020	0.069								0.089	0.137
<i>Kareya assamica</i>		492	0.014	0.105	0.078								0.197	0.303
<i>Kydia calycina</i>		501	0.116	0.628	0.893	0.514	0.358	0.291	0.448				3.248	5.004
<i>Lannea coromandelica</i>		509		0.067	0.078		0.177						0.322	0.496
<i>Linsaea species</i>		541	0.002										0.002	0.003
<i>Macaranga indica</i>		547	0.250	0.230	0.069	0.097							0.646	0.995
<i>Macaranga pettata</i>		548	0.136	0.095	0.050								0.281	0.433
<i>Machilus species</i>		559	0.017	0.025	0.065								0.107	0.165
<i>Magnolia species</i>		562	0.023	0.191	0.093	0.102							0.990	1.525
<i>Mallotus species</i>		566	0.008	0.040									1 / 0.048	0.074
<i>Mangifera indica</i>		569	0.023										0.023	0.035
<i>Mangifera syhatica</i>		570	0.015										0.015	0.023
<i>Michelia species</i>		602	0.017	0.098	0.048	0.123	0.153						0.439	0.676
<i>Mons laevigata</i>		617	0.009										0.207	0.319
<i>Myristica species</i>		630	0.009	0.022									0.031	0.048
<i>Phoebe species</i>		673	0.009										0.009	0.014

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Pinus</i> species		686	0.002										0.002	0.003
<i>Premna bengalensis</i>		705	0.011										0.011	0.017
<i>Pterospermum acerifolium</i>		725	0.003	0.209									0.510	0.786
<i>Quercus lanceaeifolia</i>		745		0.030									0.030	0.046
<i>Sapium baccatum</i>		785		0.040	0.122	0.117							0.279	0.430
<i>Saurauia nepaulensis</i>		791	0.027										0.027	0.042
<i>Sideroxylon grandifolium</i>		804		0.017									0.017	0.026
<i>Spondias pinnata</i>		812		0.025	0.078								0.103	0.159
<i>Spondias</i> species		813	0.017	0.134	0.100	0.117	0.184						0.552	0.850
<i>Sterculia foetida</i>		818	0.046	0.017									0.063	0.097
<i>Sterculia villosa</i>		821	0.012		0.120	0.236							0.368	0.567
<i>Stereospermum personatum</i>		824	0.027	0.028	0.168		0.198						0.421	0.649
<i>Stereospermum</i> species		827		0.028									0.028	0.043
<i>Syzygium</i> species		850	0.008	0.067									0.075	0.116
<i>Terminalia belerica</i>		861		0.033	0.097	0.177							0.307	0.473
<i>Terminalia chebula</i>		864		0.045									0.045	0.069
<i>Terminalia myriocarpa</i>		868	0.046	0.330	0.401	0.087	0.501	0.249	0.597	1.200			4.651	7.165
<i>Terminalia</i> species		871				0.248	0.138						0.386	0.595
<i>Ulmus wallichiana</i>		888	0.051	0.095	0.065		0.152						0.363	0.559
Others		944	1.747	2.660	1.314	1.406	0.475	0.454					9.467	14.585
<b>TOTAL</b>		5.011	10.969	11.522	10.815	6.806	5.427	4.401	4.063	2.535	3.362	64.911	100.000	
<b>DIAMETER CLASS %</b>		7.720	16.899	17.750	16.661	10.485	8.361	6.780	6.259	3.905	5.179	100.000		

TABLE NO.3.2.3  
TOTAL VOLUME ( IN 000 M<sup>3</sup>) BY SPECIES AND DIAMETER CLASSES (IN CM.)

District: East Siang  
Stratum] (Unclassed)



<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Pterospermum acerifolium		725	0.784	54.615	0.000	0.000	0.000	0.000	77.872	0.000	0.000	0.000	133.271
<i>Quercus lanceaefolia</i>		745	0.000	7.839	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.839
Sapium baccatum		785	0.000	10.453	31.880	30.574	0.000	0.000	0.000	0.000	0.000	0.000	72.907
<i>Saurauia nepaulensis</i>		791	7.056	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.056
Sideroxylon grandifolium		804	0.000	4.442	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.442
<i>Spondias pinnata</i>		812	0.000	6.533	20.383	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.915
<i>Spondias species</i>		813	4.442	35.016	26.132	30.574	48.082	0.000	0.000	0.000	0.000	0.000	144.246
<i>Sterculia foetida</i>		818	12.020	4.442	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.463
<i>Sterculia villosa</i>		821	3.136	0.000	31.358	61.670	0.000	0.000	0.000	0.000	0.000	0.000	96.164
Stereospermum personatum		824	7.056	7.317	43.901	0.000	51.740	0.000	0.000	0.000	0.000	0.000	110.014
Stereospermum species		827	0.000	7.317	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.317
<i>Syzygium species</i>		850	2.091	17.508	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	19.599
<i>Terminalia belenca</i>		861	0.000	8.623	0.000	25.348	46.253	0.000	0.000	0.000	0.000	0.000	80.224
<i>Terminalia chebula</i>		864	0.000	11.759	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.759
<i>Terminalia myriocarpa</i>		868	12.020	86.234	104.787	22.734	130.919	65.067	156.005	313.578	0.000	324.031	1215.376
<i>Terminalia species</i>		871	0.000	0.000	0.000	64.806	36.061	0.000	0.000	0.000	0.000	0.000	100.868
<i>Ulmus wallichiana</i>		888	13.327	24.825	16.985	0.000	39.720	0.000	0.000	0.000	0.000	0.000	94.857
Others		944	456.517	695.098	343.368	367.409	124.125	118.637	0.000	96.687	272.029	0.000	2473.869
<b>TOTAL</b>		<b>1309.449</b>	<b>2866.364</b>	<b>3010.871</b>	<b>2826.122</b>	<b>1778.510</b>	<b>1418.157</b>	<b>1150.047</b>	<b>1061.723</b>	<b>662.434</b>	<b>878.541</b>	<b>16962.218</b>	

District: East Siang  
Stratum: II (Unclassed)

'TABLE NO.3.1.4  
VOLUME PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Acer species		021	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.002
Ailanthus altissima		039	0.029	0.248	0.000	0.000	0.000	0.415	0.000	0.000	0.000	0.000	0.692	0.457
Albizzia procera		050	0.000	0.187	0.523	0.476	0.265	0.000	1.478	0.934	0.000	3.863	2.549	
Albizzia species		051	0.635	2.035	2.317	2.234	0.564	0.488	0.000	0.795	0.000	0.000	9.068	5.984
Alnus nepalensis		053	0.000	0.099	0.363	0.648	0.265	0.000	0.000	0.000	0.000	0.000	1.375	0.907
Alstonia scholaris		057	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.002
Altingia excelsa		060	0.282	0.599	0.765	0.541	0.265	0.000	0.000	0.000	0.000	0.000	2.452	1.618
Anoora wallichii		064	0.012	0.000	0.275	0.155	0.000	0.000	0.000	0.000	0.000	0.000	0.442	0.292
Anoora species		065	0.238	0.598	0.124	0.000	0.000	0.402	0.000	0.000	0.000	0.000	1.362	0.899
Aphanaxis polystachys		080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.152	1.152
Artocarpus chaplasha		089	0.000	0.000	0.000	0.000	0.396	0.000	0.000	0.000	0.000	0.000	0.396	0.261
Artocarpus heterophyllus		091	0.000	0.081	0.000	0.425	0.000	0.000	0.000	0.000	0.000	0.000	0.506	0.334
Artocarpus species		094	0.017	0.000	0.000	0.174	0.661	0.000	1.164	0.000	0.000	0.000	2.016	1.330
Atalantia spinosa		099	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.016
Bauhinia retusa		116	0.104	0.239	0.148	0.437	0.288	0.000	0.000	0.000	0.000	0.000	1.216	0.803
Bauhinia species		118	0.073	0.080	0.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.520	0.343
Betula alnoidea		126	0.082	0.224	0.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.547	0.361
Bischofia javanica		129	0.029	0.063	0.139	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.231	0.152
Callicarpa arborea		148	0.172	0.152	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.324	0.214
Callicarpa species		154	0.067	0.122	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.189	0.125
Canarium resiniferum		166	0.000	0.164	0.000	0.183	0.000	0.000	0.000	0.000	0.000	0.000	0.347	0.229
Canarium species		168	0.078	0.210	0.210	0.183	0.000	0.000	0.000	0.000	0.000	0.000	1.534	1.012
Castanopsis indica		192	0.222	1.443	2.864	4.495	1.589	1.809	0.000	0.776	0.000	0.000	13.198	8.710
Castanopsis javanica		193	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.011
Castanopsis species		194	0.928	2.546	4.202	2.244	0.973	1.849	1.682	0.000	0.997	0.000	15.421	10.177
Cecrelia toona		198	0.116	0.263	0.341	0.377	0.265	0.000	0.000	0.000	0.000	0.000	1.362	0.899
Chukrasia velutina		208	0.000	0.000	0.139	0.183	0.000	0.000	0.000	0.000	0.000	0.000	0.322	0.213
Chukrasia species		209	0.018	0.173	0.000	0.000	0.265	0.000	0.000	0.000	0.000	0.000	0.456	0.301
Cinnamomum tamala		214	0.038	0.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.096	0.063
Cinnamomum species		216	0.168	0.682	0.283	0.562	0.000	0.991	0.000	0.000	0.000	0.000	2.686	1.773
Cyclostemon assamicus		262	0.092	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.129	0.085
Duabanga grandiflora		303	0.037	0.353	1.631	2.051	2.571	1.586	0.632	0.000	0.970	0.000	9.831	6.488

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Dysoxylum binectarinum		304	0.015	0.184	0.109	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.308	0.203
Engelhardtia spicata		328	0.379	0.771	1.032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.182	1.440
Erythrina variegata		341	0.025	0.156	0.966	0.233	0.530	0.000	0.684	0.000	0.000	0.000	2.594	1.712
Erythrina species		342	0.030	0.416	0.740	0.377	0.000	0.444	0.000	0.000	0.000	0.000	2.007	1.325
Eugenia frondosa		351	0.221	0.071	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.292	0.193
Euginea species		358	0.013	0.135	0.139	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.287	0.189
Eurya japonica		367	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.025
Evodia fraxinifolia		368	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.005
Ficus species		385	0.046	0.707	0.656	0.222	0.362	0.000	0.000	0.000	0.000	0.000	1.993	1.315
Grewia species		432	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.008
Hydnocarpus alpinus		466	0.147	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.238	0.157
Hydnocarpus species		469	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.011
Kydia calycina		501	0.192	0.505	1.381	1.084	0.634	0.000	0.736	0.826	0.000	0.000	5.358	3.536
Lagerstroemia speciosa		506	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.007
Laportea crenulata		511	0.194	0.424	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.618	0.408
Litsaea species		541	0.051	0.136	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.187	0.123
Lophostepalum fimbriatum		543	0.000	0.000	0.000	0.000	0.000	0.000	0.416	0.000	0.000	0.000	0.416	0.275
Macaranga denticulata		546	0.237	0.565	0.094	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.896	0.591
Macaranga indica		547	0.049	0.184	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.233	0.154
Mecaranga petiata		548	0.387	0.284	0.280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.951	0.628
Machilus species		559	0.373	0.393	0.101	0.446	0.000	0.000	0.000	0.000	0.000	0.000	1.313	0.867
Macropanax oreophilum		560	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.012
Magnolia species		562	0.106	0.443	0.298	0.254	0.000	0.518	0.000	0.000	0.000	0.000	1.619	1.068
Mallotus philippensis		565	0.034	0.113	0.088	0.426	0.000	0.000	0.000	0.000	0.000	0.000	0.661	0.436
Mallotus species		566	0.014	0.128	0.124	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.266	0.176
Mangifera sylvatica		570	0.000	0.000	0.000	0.437	0.000	0.000	0.000	0.000	0.000	0.000	0.437	0.288
Mesua ferrea		593	0.000	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.042
Michelia species		602	0.031	0.072	0.352	0.419	0.306	0.000	0.000	0.000	0.000	0.000	1.180	0.779
Morus laevigata		617	0.000	0.000	0.156	0.202	0.288	0.000	0.000	0.000	0.000	0.000	0.646	0.426
Mysticita species		630	0.029	0.042	0.109	0.174	0.000	0.000	0.000	0.000	0.000	0.000	0.354	0.234
Ostodes paniculata		652	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.005
Phoebe species		673	0.064	0.096	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.261	0.172
Pterospermum acerifolium		725	0.121	0.457	0.979	0.891	0.265	0.000	0.000	0.000	0.000	0.000	3.710	2.448
Quercus lanceolata		745	0.011	0.091	0.000	0.445	0.000	0.000	0.000	0.000	0.000	0.000	1.323	0.873
Rhus species		768	0.058	0.179	0.196	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.433	0.286
Sapium baccatum		785	0.000	0.000	0.000	0.265	0.000	0.000	0.000	0.000	0.000	0.000	0.265	0.175

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>	<b>Percent</b>
Saurauia nepaulensis		791	0.543	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.585	0.386
Schima wallichii		794	0.000	0.000	0.124	0.165	0.312	0.000	0.000	0.000	0.000	0.000	0.601	0.397
Semecarpus anacardium		798	0.000	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.028
Spondias acuminatus		810	0.000	0.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.058	0.038
Spondias species		813	0.011	0.042	0.088	0.561	0.649	0.383	0.565	0.776	0.000	0.000	3.075	2.029
Sterculia foetida		818	0.000	0.000	0.156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.156	0.103
Stereospermum personatum		823	0.006	0.255	0.988	0.668	0.000	0.518	0.684	0.000	0.000	0.000	3.119	2.058
Stereospermum species		827	0.000	0.000	0.094	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.094	0.062
Symplocos laurina		839	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.019
Syzygium cumini		843	0.180	0.472	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.652	0.430
Syzygium species		850	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053	0.035
Terminalia myriocarpa		868	0.121	0.771	0.839	2.429	1.201	1.361	1.747	2.388	0.893	1.222	12.972	8.561
Terminalia species		871	0.079	0.272	0.241	0.000	0.307	0.000	0.651	0.000	0.000	0.000	1.550	1.023
Ulmus wallichiana		888	0.171	0.327	0.088	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.586	0.387
Vitex peduncularis		901	0.011	0.042	0.000	0.000	0.375	0.000	0.000	0.000	0.000	0.000	0.428	0.282
Others		944	4.360	5.836	5.190	3.006	0.635	0.388	1.316	1.647	0.893	1.270	24.541	16.196
<b>TOTAL</b>		11.988	25.521	30.641	28.203	14.100	11.568	9.861	10.315	5.684	3.644	151.525	100.000	
<b>DIAMETER CLASS %</b>		7.911	16.843	20.222	18.613	9.305	7.634	6.508	6.807	3.751	2.405	100.000		

**District: East Siang  
Stratum: II (Unclassed)**

**'TABLE NO.3.2.4  
'TOTAL VOLUME (IN 000 M<sup>3</sup>) BY SPECIES AND DIAMETER CLASSES (IN CM.)**

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Acer species		021	0.402	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.402
<i>Allianthus atissima</i>		039	3.890	33.269	0.000	0.000	0.000	55.673	0.000	0.000	0.000	0.000	92.832
<i>Albizia procera</i>		050	0.000	25.086	70.161	63.856	35.550	0.000	198.275	125.297	0.000	0.000	518.225
<i>Albizia species</i>		051	85.186	272.997	310.828	299.693	75.661	65.466	0.000	106.650	0.000	0.000	1216.481
<i>Alnus nepalensis</i>		053	0.000	13.281	48.697	86.930	35.550	0.000	0.000	0.000	0.000	0.000	184.458
<i>Alistoria scholaris</i>		057	0.402	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.402
<i>Altingia excelsa</i>		060	37.831	80.356	102.626	72.576	35.550	0.000	0.000	0.000	0.000	0.000	328.938
<i>Amoora wallichii</i>		064	1.610	0.000	36.892	20.793	0.000	0.000	0.000	0.000	0.000	0.000	59.295
<i>Amoora species</i>		065	31.928	80.222	16.635	0.000	0.000	53.929	0.000	0.000	0.000	0.000	182.714
<i>Aphananoxus polystachyus</i>		080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<i>Artocarpus chaplasha</i>		089	0.000	0.000	0.000	53.124	0.000	0.000	0.000	0.000	0.000	0.000	154.542
<i>Artocarpus heterophyllus</i>		091	0.000	10.866	0.000	57.014	0.000	0.000	0.000	0.000	0.000	0.000	154.542
<i>Artocarpus species</i>		094	2.281	0.000	0.000	23.342	88.674	0.000	156.152	0.000	0.000	0.000	270.448
<i>Atalantia spinosa</i>		099	3.354	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.354
<i>Bauhinia retusa</i>		116	13.952	32.062	19.854	58.624	38.635	0.000	0.000	0.000	0.000	0.000	163.128
<i>Bauhinia species</i>		118	9.793	10.732	49.233	0.000	0.000	0.000	0.000	0.000	0.000	0.000	69.759
<i>Betula alnoides</i>		126	11.000	30.050	32.330	0.000	0.000	0.000	0.000	0.000	0.000	0.000	73.381
<i>Bischofia javanica</i>		129	3.890	8.452	18.647	0.000	0.000	0.000	0.000	0.000	0.000	0.000	30.989
<i>Callicarpa arborea</i>		148	23.074	20.391	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	43.465
<i>Callicarpa species</i>		154	8.988	16.366	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	25.355
<i>Canarium resiniferum</i>		166	0.000	22.001	0.000	24.550	0.000	0.000	0.000	0.000	0.000	0.000	46.550
<i>Canarium species</i>		168	10.464	28.172	28.172	24.550	0.000	0.000	0.000	114.431	0.000	0.000	205.788
<i>Castanopsis indica</i>		192	29.782	193.580	384.208	603.009	213.166	242.679	0.000	104.101	0.000	0.000	1770.525
<i>Castanopsis javanica</i>		193	2.281	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.281
<i>Castanopsis species</i>		194	124.492	341.548	563.703	301.035	130.529	248.045	225.642	0.000	133.749	0.000	2068.743
<i>Cecrelia toona</i>		198	15.562	35.282	45.745	50.575	35.550	0.000	0.000	0.000	0.000	0.000	182.714
<i>Chukrasia vellutina</i>		208	0.000	0.000	18.647	24.550	0.000	0.000	0.000	0.000	0.000	0.000	43.197
<i>Chukrasia species</i>		209	2.415	23.208	0.000	0.000	35.550	0.000	0.000	0.000	0.000	0.000	61.173
<i>Cinnamomum tamala</i>		214	5.098	7.781	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.878
<i>Cinnamomum species</i>		216	22.537	91.491	37.965	75.393	0.000	132.944	0.000	0.000	0.000	0.000	360.330
<i>Cyclostemon assamicus</i>		262	12.342	4.964	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.305

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
<i>Dubabanga grandiflora</i>		303	4.964	47.355	218.800	275.144	344.902	212.763	84.783	0.000	130.126	0.000	1318.838
<i>Dysoxylum binectariferum</i>		304	1.985	24.684	14.622	0.000	0.000	0.000	0.000	0.000	0.000	0.000	41.292
<i>Engelhardtia spicata</i>		328	50.843	103.430	138.444	0.000	0.000	0.000	0.000	0.000	0.000	0.000	292.717
<i>Erythrina variegata</i>		341	3.354	20.928	129.590	31.257	71.100	0.000	91.759	0.000	0.000	0.000	347.988
<i>Erythrina species</i>		342	4.025	55.807	99.272	50.575	0.000	59.563	0.000	0.000	0.000	0.000	269.241
<i>Eugenia frondosa</i>		351	29.647	9.525	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	39.172
<i>Euginea species</i>		358	1.744	18.110	18.647	0.000	0.000	0.000	0.000	0.000	0.000	0.000	38.501
<i>Eurya japonica</i>		367	5.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.098
<i>Evodia fraxinifolia</i>		368	1.073	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.073
<i>Ficus species</i>		385	6.171	94.845	88.003	29.782	48.563	0.000	0.000	0.000	0.000	0.000	267.363
<i>Grewia species</i>		432	1.610	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.610
<i>Hydnocarpus alpinus</i>		466	19.720	12.208	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.928
<i>Hydnocarpus species</i>		469	2.281	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.281
<i>Kydia calycina</i>		501	25.757	67.746	185.263	145.420	85.052	0.000	98.735	110.809	0.000	0.000	718.781
<i>Lagerstroemia speciosa</i>		506	1.476	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.476
<i>Laportea crenulata</i>		511	26.025	56.880	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	82.905
<i>Litsaea species</i>		541	6.842	18.245	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	25.086
<i>Lophostepalum fimbriatum</i>		543	0.000	0.000	0.000	0.000	0.000	0.000	55.807	0.000	0.000	0.000	55.807
<i>Macaranga denticulata</i>		546	31.794	75.795	12.610	0.000	0.000	0.000	0.000	0.000	0.000	0.000	120.199
<i>Macaranga indica</i>		547	6.573	24.684	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.257
<i>Mecaranga pettata</i>		548	51.916	38.099	37.562	0.000	0.000	0.000	0.000	0.000	0.000	0.000	127.578
<i>Machilus species</i>		559	50.038	52.721	13.549	59.831	0.000	0.000	0.000	0.000	0.000	0.000	176.140
<i>Macropanax oreophilum</i>		560	2.415	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.415
<i>Magnolia species</i>		562	14.220	59.429	39.977	34.074	0.000	69.490	0.000	0.000	0.000	0.000	217.190
<i>Mallotus philippensis</i>		565	4.561	15.159	11.805	57.148	0.000	0.000	0.000	0.000	0.000	0.000	88.674
<i>Mallotus species</i>		566	1.878	17.171	16.635	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.684
<i>Mangifera syriaca</i>		570	0.000	0.000	0.000	58.624	0.000	0.000	0.000	0.000	0.000	0.000	58.624
<i>Mesua ferrea</i>		593	0.000	8.452	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.452
<i>Michelia species</i>		602	4.159	9.659	47.221	56.209	41.050	0.000	0.000	0.000	0.000	0.000	158.298
<i>Morus laevigata</i>		617	0.000	0.000	20.928	27.099	38.635	0.000	0.000	0.000	0.000	0.000	86.662
<i>Myristica species</i>		630	3.890	5.634	14.622	23.342	0.000	0.000	0.000	0.000	0.000	0.000	47.489
<i>Ostodes paniculata</i>		652	1.073	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.073
<i>Phoebe species</i>		673	8.586	12.878	13.549	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.013
<i>Pterospermum acerifolium</i>		725	16.232	61.307	131.334	119.529	35.550	0.000	0.000	133.749	0.000	0.000	497.700
<i>Quercus lanceaeifolia</i>		745	1.476	12.208	0.000	59.697	0.000	0.000	104.101	0.000	0.000	0.000	177.482
<i>Rhus species</i>		768	7.781	24.013	26.294	0.000	0.000	0.000	0.000	0.000	0.000	0.000	58.087

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Sapium baccatum		785	0.000	0.000	0.000	35.550	0.000	0.000	0.000	0.000	0.000	0.000	35.550
Saurauia nepaulensis		791	72.844	5.634	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	78.478
Schima wallichii		794	0.000	0.000	16.635	22.135	41.855	0.000	0.000	0.000	0.000	0.000	80.625
Semecarpus anacardium		798	0.000	5.634	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.634
Spondias acuminatus		810	0.000	7.781	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.781
Spondias species		813	1.476	5.634	11.805	75.259	87.064	51.380	75.795	104.101	0.000	0.000	412.514
Sterculia foetida		818	0.000	0.000	20.928	0.000	0.000	0.000	0.000	0.000	0.000	0.000	20.928
Stereospermum personatum		823	0.805	34.209	132.541	89.613	0.000	69.490	91.759	0.000	0.000	0.000	418.417
Stereospermum species		827	0.000	0.000	12.610	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.610
Symplocos laurina		839	3.890	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.890
Syzygium cumini		843	24.147	63.319	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	87.466
Syzygium species		850	7.110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.110
Terminalia myriocarpa		868	16.232	103.430	112.553	325.853	161.115	182.580	234.362	320.353	119.797	163.933	1740.207
Terminalia species		871	10.598	36.489	32.330	0.000	41.184	0.000	87.332	0.000	0.000	0.000	207.934
Ulmus wallichiana		888	22.940	43.867	11.805	0.000	0.000	0.000	0.000	0.000	0.000	0.000	78.612
Vitex peduncularis		901	1.476	5.634	0.000	0.000	50.307	0.000	0.000	0.000	0.000	0.000	57.417
Others		944	584.898	782.905	696.244	403.258	85.186	52.051	176.543	220.947	119.797	170.372	3292.200
<b>TOTAL</b>		1608.175	3423.668	4110.521	3783.461	1891.529	1551.859	1322.863	1383.768	762.514	488.846	20327.203	

**TABLE NO. 5.1.1**  
**'DISTRIBUTION OF BAMBOO BY SPECIES**

District: East Siang					
<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>Per ha.</b>	<b>Total (000No.)</b>	<b>Percent</b>
Bambusa tulda		956	175.510	89913.773	23.046
Bambusa species		958	144.140	73842.922	18.927
Dendroncalamus hamilton		959	277.750	142291.325	36.471
Unidentified bamboos		975	164.160	84099.168	21.556
<b>TOTAL</b>			<b>761.560</b>	<b>390147.188</b>	<b>100.000</b>

TABLE NO. 2.1.1

District: West Siang  
Stratum: (Reserved)

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total Percent</b>
<i>Ailanthus altissima</i>		039	0.217										0.217 0.177
<i>Albizia lucida</i>		047	0.217										0.217 0.177
<i>Albizia procera</i>		050					0.217						0.217 0.177
<i>Albizia species</i>		051	1.957	1.522	0.217								3.696 3.020
<i>Altingia excelsa</i>		060	0.870	0.435	0.217	0.435							1.957 1.599
<i>Amoora wallichii</i>		064	0.435	0.217	0.435								1.087 0.888
<i>Amoora species</i>		065		0.217									0.217 0.177
<i>Anthocephalus cadamba</i>		074					0.217						0.217 0.177
<i>Artocarpus chaplasha</i>		089	0.217	0.217									0.434 0.355
<i>Bischofia javanica</i>		129		0.217									0.217 0.177
<i>Bombax ceiba</i>		131						0.435	0.217	0.217			0.869 0.710
<i>Callicarpa arborea</i>		150	4.565	0.435									5.000 4.085
<i>Canarium species</i>		168	0.217			0.217							0.651 0.532
<i>Castanopsis indica</i>		192	4.131	0.217	0.652	0.435	0.217						5.652 4.618
<i>Castanopsis species</i>		194	6.087	1.957	2.174	0.870	0.652						11.740 9.592
<i>Cecrela toona</i>		198		0.217									0.217 0.177
<i>Cinnamomum species</i>		216	0.870										0.870 0.711
<i>Dillenia indica</i>		277		0.435									0.435 0.355
<i>Dillena pentagyna</i>		278		0.217									0.217 0.177
<i>Dubabanga grandiflora</i>		303	0.652	1.522	0.435	1.087	0.435						4.131 3.375
<i>Dysoxylum binectariferum</i>		304	0.870	0.870	0.217								1.957 1.599
<i>Erythrina species</i>		342	0.435	0.217									0.652 0.533
<i>Euphorbia longana</i>		366		0.435									0.435 0.355
<i>Ficus species</i>		385	2.174	1.739	0.217	0.652	0.217						5.216 4.261
<i>Garuga pinnata</i>		407	0.652										0.652 0.533
<i>Gmelina arborea</i>		420	5.000	0.870	1.087	0.435	0.217						7.609 6.217;
<i>Hydnocarpus alpinus</i>		466		1.957									1.957 1.599
<i>Kayea assamica</i>		492	0.435	0.217									0.652 0.533
<i>Kydia calycina</i>		501	0.435		0.217	0.217							0.869 0.710
<i>Lannea coromandelica</i>		509		1.522									1.522 1.243
<i>Macaranga denticulata</i>		546	0.217										0.217 0.177
<i>Macaranga indica</i>		547	5.870	0.870									6.740 5.507

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>	<b>Percent</b>
Mecaranga peltata		548	1.087										1.087	0.888
Machilus species		559	0.217										0.434	0.355
Magnolia species		562	0.652	0.217									0.869	0.710
Mallotus philippensis		565	0.435										0.435	0.355
Mangifera indica		569	0.217										0.217	0.177
Michelia species		602		0.217									0.217	0.177
Mansonia species		612		0.217									0.217	0.177
Myristica species		630	0.217										0.217	0.177
Pterospermum acerifolium		725	0.217	0.217									0.868	0.709
Sapium baccatum *		785		0.217									0.651	0.532
Spondias species		813	1.759	0.435									2.194	1.792
Stereospermum personatum		824	0.217	0.870	0.217	0.435							1.739	1.421
Symplocos laurina		839	0.435	0.217									0.652	0.533
Szygium species		850	0.435	0.217									0.652	0.533
Tactona grandis		858	5.000	0.870									5.870	4.796
Terminalia chenbulia		864		0.217									0.217	0.177
Terminalia myriocarpa		868	0.870	0.217	0.217	0.217	0.217						1.955	1.597
Tetrameles nudiflora		873	0.217										0.217	0.177
Others		944	29.566	4.565	1.087	1.304	0.434						36.956	30.193
<b>TOTAL</b>		81,543	21,519	7,823	6,738	2,823	1,520	0,000	0,217	0,000	0,217	122,400	100,000	
<b>DIAMETER CLASS %</b>		66,620	17,581	6,391	5,505	2,306	1,242	0,000	0,177	0,000	0,177	100,000		

District: West Siang  
Stratum: II (Reserved)

TABLE NO. 2.2.1  
TOTAL STEMS (IN 000 UNIT) BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
<i>Ailanthus altissima</i>	039	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
<i>Albizia lucida</i>	047	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
<i>Albizia procera</i>	050	0.000	0.000	0.000	0.000	3.537	0.000	0.000	0.000	0.000	0.000	3.537
<i>Albizia species</i>	051	31.895	24.806	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	60.237
<i>Altingia excelsa</i>	060	14.179	7.090	3.537	7.090	0.000	0.000	0.000	0.000	0.000	0.000	31.895
<i>Amoora wallichii</i>	064	7.090	3.537	7.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.716
<i>Amoora species</i>	065	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
<i>Anthocephalus cadamba</i>	074	0.000	0.000	0.000	0.000	0.000	3.537	0.000	0.000	0.000	0.000	3.537
<i>Artocarpus chaplasha</i>	089	3.537	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.073
<i>Bischofia javanica</i>	129	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
<i>Bombax ceiba</i>	131	0.000	0.000	0.000	7.090	3.537	3.537	0.000	0.000	0.000	0.000	14.163
<i>Callicarpa arborea</i>	150	74.400	7.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	81.490
<i>Canarium species</i>	168	3.537	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.610
<i>Castanopsis indica</i>	192	67.327	3.537	10.626	7.090	3.537	0.000	0.000	0.000	0.000	0.000	92.116
<i>Castanopsis species</i>	194	99.206	31.895	35.432	14.179	0.000	10.626	0.000	0.000	0.000	0.000	191.339
<i>Cecrelia toona</i>	198	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
<i>Cinnamomum species</i>	216	14.179	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.179
<i>Dillenia indica</i>	277	0.000	7.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.090
<i>Dillenia pentagyna</i>	278	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
<i>Duabanga grandiflora</i>	303	10.626	24.806	7.090	17.716	7.090	0.000	0.000	0.000	0.000	0.000	67.327
<i>Dysoxylum binectariferum</i>	304	14.179	14.179	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.895
<i>Erythrina species</i>	342	7.090	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.626
<i>Euphorbia longana</i>	366	0.000	7.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.090
<i>Ficus species</i>	385	35.432	28.342	3.537	3.537	10.626	3.537	0.000	0.000	0.000	0.000	85.010
<i>Garuga pinnata</i>	407	10.626	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.626
<i>Gmelina arborea</i>	420	81.490	14.179	17.716	7.090	3.537	0.000	0.000	0.000	0.000	0.000	124.011
<i>Hydnocarpus alpina</i>	466	31.895	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.895
<i>Kayea assamica</i>	492	7.090	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.626
<i>Kydia calycina</i>	501	7.090	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.163

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Lannea coromandelica		509	24.806	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	24.806
Macaranga denticulata		546	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
Macaranga indica		547	95.669	14.179	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	109.849
Mecaranga peltata		548	17.716	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.716
Machilus species		559	3.537	0.000	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	7.073
Magnolia species		562	10.626	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.163
Mallotus philippensis		565	7.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.090
Mangifera indica		569	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
Michelia species		602	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
Mansonia species		612	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
Myristica species		630	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
Pterospermum acerifolium		725	3.537	3.537	0.000	0.000	3.537	0.000	0.000	0.000	0.000	0.000	14.147
Sapium baccatum		785	0.000	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.610
Spondias species		813	28.668	7.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.758
Stereospermum personatum		824	3.537	14.179	3.537	7.090	0.000	0.000	0.000	0.000	0.000	0.000	28.342
Symplocos laurina		839	7.090	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.626
Syzgium species		850	7.090	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.626
Tactona grandis		858	81.490	14.179	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	95.669
Terminalia chenbulia		864	0.000	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
Terminalia myriocarpa		868	14.179	3.537	3.537	3.537	3.537	0.000	0.000	0.000	0.000	0.000	31.863
Tetrameles nudiflora		873	3.537	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.537
Others		944	481.867	74.400	17.716	21.253	7.073	0.000	0.000	0.000	0.000	0.000	602.309
<b>TOTAL</b>			<b>1328.988</b>	<b>350.717</b>	<b>127.499</b>	<b>109.816</b>	<b>46.009</b>	<b>24.773</b>	<b>0.000</b>	<b>3.537</b>	<b>0.000</b>	<b>3.537</b>	<b>1994.875</b>

District: West Siang  
Stratum I (Unclassed)

TABLE NO. 2.1.2  
NO. OF STEMS PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Acrocarpus fraxinifolius</i>	022	0.044										0.088	0.048
<i>Adina cordifolia</i>	028		0.044									0.044	0.024
<i>Ailanthus altissima</i>	039		0.044	0.088			0.088					0.220	0.121
<i>Albizia chinensis</i>	044	0.398	0.707	0.177	0.133	0.088	0.088					1.635	0.896
<i>Albizia lebek</i>	046			0.044		0.088	0.044					0.176	0.096
<i>Albizia lucida</i>	047	0.265	0.221	0.088	0.044							0.618	0.339
<i>Albizia procera</i>	050	0.133	0.133									0.266	0.146
<i>Albizia species</i>	051	0.972	0.663	0.309		0.044						1.988	1.090
<i>Altingia excelsa</i>	060	0.751		0.177	0.088	0.044						1.060	0.581
<i>Amoora wallichii</i>	064	0.265	0.133		0.044	0.088						0.530	0.290
<i>Amoora species</i>	065	1.017	0.530	0.133	0.044							1.724	0.945
<i>Anthocephalus cadamba</i>	074	0.177		0.088		0.088						0.353	0.193
<i>Artocarpus chaplasha</i>	089		0.044									0.044	0.024
<i>Artocarpus heterophyllus</i>	091		0.265	0.221	0.044	0.044						0.574	0.315
<i>Artocarpus lakoocha</i>	093						0.044					0.044	0.024
<i>Artocarpus species</i>	094	0.044										0.044	0.024
<i>Betula alnooides</i>	126	0.486										0.486	0.266
<i>Betula utilis</i>	128	0.044										0.044	0.024
<i>Bischofia javanica</i>	129	0.088	0.044									0.132	0.072
<i>Bombax ceiba</i>	131	0.044		0.044	0.044		0.044					0.176	0.096
<i>Callicarpa arborea</i>	150	6.718	0.663	0.133								7.514	4.118
<i>Calophyllum wightianum</i>	160	0.044										0.044	0.024
<i>Canarium resiniferum</i>	166	0.309		0.177	0.044	0.044	0.044	0.044	0.044			0.794	0.435
<i>Canarium species</i>	168	0.265	0.088	0.088	0.133	0.044						0.618	0.339
<i>Castanopsis indica</i>	192	2.475	0.221	0.044	0.044	0.088		0.088				2.916	1.598
<i>Castanopsis species</i>	194	16.177	8.354	3.536	2.166	0.663	0.398	0.044				31.338	17.175
<i>Cecrelia toona</i>	198	0.398	0.442	0.044	0.044	0.044	0.044					0.972	0.533
<i>Chukrasia vellutina</i>	208	0.398	0.133	0.044	0.133	0.044						0.752	0.412
<i>Chukrasia species</i>	209	0.044		0.265		0.044						0.353	0.193
<i>Cinnamomum species</i>	216	1.459	0.354	0.044	0.133	0.044						2.034	1.115
<i>Crypteronia paniculata</i>	254	0.044										0.044	0.024
<i>Cyclostemon assamicus</i>	262	0.088										0.088	0.048

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total Percent</b>
Dalbergia sissoo		268	0.088										0.088 0.048
Dillenia pentagyna		278	0.133		0.088	0.044							0.265 0.145
Dipterocarpus species		298	0.088										0.088 0.048
Drypetes lancifolia		302	0.088										0.088 0.048
Dubanga grandiflora		303		0.177	0.088	0.309	0.133	0.044					0.751 0.412
Dysoxylum binectariferum		304	2.740	0.486	0.088	0.088	0.044						3.446 1.889
Ehretia acuminata		309	0.530										0.530 0.290
Elaeocarpus species		320	0.044										0.044 0.024
Endospermum chinense		326	0.088		0.088	0.044	0.088						0.396 0.217
Engelhardtia spicata		328	0.354	0.177	0.044	0.088							0.707 0.387
Erythrina suberosa		340	0.044										0.044 0.024
Erythrina variegata		341	0.265		0.133	0.044							0.486 0.266
Erythrina species		342	0.265		0.088	0.044							0.397 0.218
Eugenia cymosa		350	0.133		0.133	0.044							0.310 0.170
Eugenia formosa		352	0.619	0.044									0.663 0.363
Eugenia species		358	0.751		0.177	0.088							1.104 0.605
Euphorbia species		365	0.133	0.044	0.044	0.088							0.309 0.169
Euphorbia longana		366	0.044										0.044 0.024
Eurya japonica		367	1.635	0.088									1.723 0.944
Evodia species		370	0.354	0.088	0.044	0.044							0.530 0.290
Fagara budrungna		372		0.044									0.044 0.024
Ficus bengalensis		375											0.044 0.024
Ficus religiosa		381	0.044										0.044 0.024
Ficus species		385	2.961	1.547	0.663	0.133	0.088	0.044					5.436 2.979
Garcinia species		403	0.044	0.044									0.088 0.048
Gmelina arborea		420	0.044	0.088									0.132 0.072
Grewia species		432	0.044										0.044 0.024
Hydnocarpus alpina		466	0.530	0.221	0.177	0.044							0.972 0.533
Hydnocarpus kurzii		467	0.044			0.044							0.088 0.048
Ixora calycina		484		0.044		0.044							0.088 0.048
Kayea assamica		492	0.575	0.354	0.177	0.044							0.044 0.024
Kydia calycina		501	1.149	0.530	0.044	0.133	0.221	0.133	0.088				2.298 1.238
Lagerstroemia hypoleuca		502		0.044			0.044						0.088 0.048
Lannea coromandelica		509	0.840	0.133									0.973 0.533
Litsaea laeta		532								0.044			0.044 0.024

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Litsaea species		541	0.088	0.088									0.176	0.096
<i>Lyonia ovalifolia</i>		545	0.044										0.044	0.024
<i>Macaranga denticulata</i>		546	0.177	0.044									0.221	0.121
<i>Macaranga indica</i>		547	4.597	0.972	0.221	0.133	0.044						5.967	3.270
<i>Mecaranga peltata</i>		548	1.149	0.133									1.282	0.703
<i>Machilus species</i>		559	0.044										0.176	0.096
<i>Magnolia species</i>		562	0.530	0.177	0.044	0.044	0.088						0.795	0.436
<i>Mallotus philippensis</i>		565	0.354										0.354	0.194
<i>Mangifera indica</i>		569	0.044	0.044									0.088	0.048
<i>Mangifera sylvatica</i>		570	0.309	0.088	0.088								0.573	0.314
<i>Melia azadirachta</i>		583	0.044	0.044									0.221	0.121
<i>Mesua ferrea</i>		593	0.177	0.044									0.221	0.121
<i>Michelia champaca</i>		595	0.088	0.133	0.044								0.309	0.169
<i>Michelia species</i>		602	0.884	0.530	0.398	0.177	0.133	0.044					2.166	1.187
<i>Mansonia species</i>		612	0.044	0.088	0.044	0.044							0.176	0.096
<i>Morus laevigata</i>		617	0.133	0.044	0.044	0.044	0.044						0.265	0.145
<i>Myristica laurifolia</i>		627											0.044	0.024
<i>Myristica species</i>		630	0.575	0.133	0.044	0.044							0.796	0.436
<i>Phoebe cooperiana</i>		668											0.088	0.048
<i>Phoebe species</i>		673	0.265										0.309	0.169
<i>Populus ciliata</i>		702		0.044									0.044	0.024
<i>Premna bengalensis</i>		705		0.044									0.044	0.024
<i>Pterospermum acerifolium</i>		725	0.044										0.088	0.048
<i>Quercus lanceaefolia</i>		745	0.133	0.309	0.177	0.088	0.044						0.751	0.412
<i>Quercus lanuginosa</i>		746			0.044								0.044	0.024
<i>Randia uliginosa</i>		757		0.044									0.044	0.024
<i>Sapium baccatum</i>		785	0.088	0.354	0.044	0.088	0.044						0.662	0.363
<i>Saurauia napaulensis</i>		791	0.751	0.044									0.795	0.436
<i>Schleichera trijuga</i>		795	0.044										0.044	0.024
<i>Semecarpus ancardium</i>		798	0.088	0.044	0.088								0.264	0.145
<i>Semecarpus kurzii</i>		799	0.044	0.044									0.088	0.048
<i>Spondias acuminate</i>		810		0.044	0.044								0.088	0.048
<i>Spondias pinnata</i>		812	0.088										0.088	0.048

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>	<b>Percent</b>
Spondias species		813	0.398	0.177									0.575	0.315
Sterculia foetida		818		0.044									0.044	0.024
Sterculia villosa		821	0.177	0.177									0.354	0.194
Sterculia species		822	0.133	0.133	0.044								0.310	0.170
Stereospermum personatum		824	0.265	0.177	0.044	0.133	0.044						0.751	0.412
Symplocos laurina		839	0.088										0.088	0.048
Syzygium cumini		843	1.238	0.354	0.044								1.636	0.897
Syzygium species		850	2.564	0.663	0.133	0.088	0.044	0.044					3.536	1.938
Talauma hodgaoni		854		0.044									0.044	0.024
Talauma phellocarpa		855		0.044									0.044	0.024
Terminalia belerica		861	0.177			0.088							0.265	0.145
Terminalia myriocarpa		868	1.591	0.751	0.265	0.309	0.177	0.044	0.088	0.088	0.133	0.044	3.490	1.913
Terminalia species		871	0.133	0.088	0.044			0.088					0.353	0.193
Trema orientalis		879	0.044										0.044	0.024
Trewia nudiflora		880		0.044									0.044	0.024
Vitex penduncularis		901	0.133	0.044	0.044								0.221	0.121
Zanthoxylum budrunga		924	0.044										0.044	0.024
Others		944	55.293	9.857	3.712	1.591	0.707	0.221	0.309	0.265			71.955	39.436
<b>TOTAL</b>			120.922	34.207	12.942	7.332	3.662	1.588	0.749	0.573	0.309	0.176	182.460	100.000
<b>DIAMETER CLASS %</b>			66.273	18.748	7.093	4.018	2.007	0.870	0.411	0.314	0.169	0.096	100.000	

**District: West Siang**  
**Stratum: I (Unclassed)**

**TABLE NO. 2.2.2**  
**TOTAL STEMS (IN 000 UNIT) BY SPECIES AND DIAMETER CLASSES (IN CM.)**

<b>Species Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
<i>Acrocarpus fraxinifolius</i>	022	26.241	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
<i>Adina cordifolia</i>	028	0.000	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
<i>Alantanthus attissima</i>	039	0.000	26.241	52.482	0.000	52.482	0.000	0.000	0.000	0.000	0.000	131.205
<i>Albizzia chinensis</i>	044	237.361	421.644	105.560	79.319	52.482	52.482	0.000	0.000	26.241	0.000	975.089
<i>Albizzia lebbek</i>	046	0.000	0.000	26.241	0.000	52.482	26.241	0.000	0.000	0.000	0.000	104.964
<i>Albizzia lucida</i>	047	158.042	131.801	52.482	26.241	0.000	0.000	0.000	0.000	0.000	0.000	368.566
<i>Albizzia procera</i>	050	79.319	79.319	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	158.638
<i>Albizzia species</i>	051	579.686	395.403	184.283	0.000	0.000	26.241	0.000	0.000	0.000	0.000	1185.613
<i>Atingia excelsa</i>	060	447.885	0.000	105.560	52.482	26.241	0.000	0.000	0.000	0.000	0.000	632.168
<i>Amoora wallichii</i>	064	158.042	79.319	0.000	26.241	52.482	0.000	0.000	0.000	0.000	0.000	316.084
<i>Amoora species</i>	065	606.524	316.084	79.319	26.241	0.000	0.000	0.000	0.000	0.000	0.000	1028.168
<i>Anthocephalus cadamba</i>	074	105.560	0.000	52.482	0.000	52.482	0.000	0.000	0.000	0.000	0.000	210.524
<i>Artocarpus chaplasha</i>	089	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
<i>Artocarpus heterophyllus</i>	091	0.000	158.042	131.801	26.241	0.000	0.000	0.000	0.000	0.000	0.000	342.325
<i>Artocarpus lakoocha</i>	093	0.000	0.000	0.000	0.000	0.000	0.000	26.241	0.000	0.000	0.000	26.241
<i>Artocarpus species</i>	094	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
<i>Betula alnoides</i>	126	289.843	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	289.843
<i>Betula utilis</i>	128	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
<i>Bischofia javanica</i>	129	52.482	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	78.723
<i>Bombax ceiba</i>	131	26.241	0.000	26.241	26.241	0.000	26.241	0.000	0.000	0.000	0.000	104.964
<i>Callicarpa arborea</i>	150	4006.514	395.403	79.319	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4481.237
<i>Calophyllum wightianum</i>	160	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
<i>Canarium resiniferum</i>	166	184.283	105.560	26.241	26.241	26.241	0.000	26.241	26.241	26.241	0.000	473.530
<i>Canarium species</i>	168	158.042	52.482	52.482	79.319	26.241	0.000	0.000	0.000	0.000	0.000	368.566
<i>Castanopsis indica</i>	192	1476.053	131.801	26.241	26.241	0.000	52.482	0.000	26.241	0.000	0.000	1739.059
<i>Castanopsis species</i>	194	9647.720	4982.200	2108.817	1291.770	395.403	237.361	0.000	26.241	0.000	0.000	18689.513
<i>Cecrela toona</i>	198	237.361	263.602	26.241	26.241	0.000	26.241	0.000	0.000	0.000	0.000	579.686
<i>Chukrasia vellutina</i>	208	237.361	79.319	26.241	79.319	26.241	0.000	0.000	0.000	0.000	0.000	448.482
<i>Chukrasia species</i>	209	26.241	158.042	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	210.524
<i>Cinnamomum species</i>	216	870.126	211.120	26.241	79.319	26.241	0.000	0.000	0.000	0.000	0.000	1213.047
<i>Cyperotrichia paniculata</i>	254	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
<i>Cyclostemon assamicus</i>	262	52.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
<i>Dalbergia sissoo</i>	268	52.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Dillenia pentagona		278	79.319	0.000	52.482	26.241	0.000	0.000	0.000	0.000	0.000	0.000	158.042
Dipterocarpus species		298	52.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Drypetes lancifolia		302	52.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Duabanga grandiflora		303	0.000	105.560	52.482	184.283	79.319	26.241	0.000	0.000	0.000	0.000	447.885
Dysoxylum binectariferum		304	1634.095	289.843	52.482	52.482	26.241	0.000	0.000	0.000	0.000	0.000	2055.143
Ehretia acuminata		309	316.084	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	316.084
Elaeocarpus species		320	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Endospermum chinense		326	52.482	52.482	52.482	26.241	52.482	0.000	0.000	0.000	0.000	0.000	236.168
Engelhardtia spicata		328	211.120	105.560	26.241	52.482	0.000	0.000	0.000	0.000	0.000	0.000	421.644
Erythrina suberosa		340	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Erythrina variegata		341	158.042	79.319	26.241	0.000	26.241	0.000	0.000	0.000	0.000	0.000	289.843
Erythrina species		342	158.042	0.000	52.482	26.241	0.000	0.000	0.000	0.000	0.000	0.000	236.765
Eugenia cymosa		350	79.319	79.319	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	184.879
Eugenia formosa		352	369.162	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	395.403
Eugenia species		358	447.885	105.560	52.482	0.000	0.000	26.241	26.241	0.000	0.000	0.000	658.409
Euphorbia species		365	79.319	26.241	26.241	52.482	0.000	0.000	0.000	0.000	0.000	0.000	184.283
Euphorbia longana		366	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Eurya japonica		367	975.089	52.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1027.571
Evodia species		370	211.120	52.482	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	316.084
Fagara budrunga		372	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Ficus bengalensis		375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Ficus religiosa		381	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Ficus species		385	1765.896	922.608	395.403	79.319	52.482	26.241	0.000	0.000	0.000	0.000	3241.949
Garcinia species		403	26.241	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Gmelina arborea		420	26.241	52.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	78.723
Grewia species		432	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Hydnocarpus alpina		466	316.084	131.801	105.560	26.241	0.000	0.000	0.000	0.000	0.000	0.000	579.686
Hydnocarpus Kurzii		467	26.241	0.000	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Ixora calycina		484	0.000	26.241	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Kayea assamica		492	342.921	211.120	105.560	26.241	0.000	0.000	26.241	0.000	0.000	0.000	738.325
Kydia calycina		501	685.246	316.084	26.241	79.319	131.801	79.319	52.482	0.000	0.000	0.000	1370.493
Lannea coromandelica		502	0.000	26.241	0.000	0.000	26.241	0.000	0.000	0.000	0.000	0.000	52.482
Litssea laeta		532	0.000	0.000	0.000	0.000	26.241	0.000	0.000	0.000	0.000	0.000	26.241
Litssea species		541	52.482	52.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	104.964
Lyonia ovalifolia		545	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Macaranga denticulata		546	105.560	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	131.801
Macaranga indica		547	2741.582	579.686	131.801	79.319	26.241	0.000	0.000	0.000	0.000	0.000	3558.629
Macaranga pettata		548	685.246	79.319	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	764.566
Machilus species		559	26.241	0.000	0.000	26.241	52.482	0.000	0.000	0.000	0.000	0.000	104.964
Magnolia species		562	316.084	105.560	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	474.126
Mallotus philippensis		565	211.120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	211.120
Mangifera indica		569	26.241	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Mangifera syriaca		570	184.283	52.482	0.000	52.482	0.000	0.000	0.000	0.000	0.000	0.000	341.729
Melia azadirachta		583	26.241	26.241	79.319	0.000	0.000	0.000	0.000	0.000	0.000	0.000	131.801
Mesua ferrea		593	105.560	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	131.801
Michelia champaca		595	52.482	79.319	0.000	26.241	0.000	0.000	26.241	0.000	0.000	0.000	184.283
Michelia species		602	527.204	316.084	237.361	105.560	79.319	26.241	0.000	0.000	0.000	0.000	1291.770
Mansonia species		612	26.241	52.482	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	104.964
Monus laevigata		617	79.319	26.241	0.000	26.241	26.241	0.000	0.000	0.000	0.000	0.000	158.042
Myristica laurifolia		627	0.000	0.000	0.000	0.000	0.000	0.000	26.241	0.000	0.000	0.000	26.241
Myristica species		630	342.921	79.319	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	474.722
Phoebe cooperiana		668	0.000	0.000	26.241	0.000	0.000	26.241	0.000	0.000	0.000	0.000	52.482
Phoebe species		673	158.042	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	184.283
Populus cilata		702	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Premna bengalensis		705	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Pterospermum acerifolium		725	26.241	0.000	0.000	0.000	0.000	26.241	0.000	0.000	0.000	0.000	52.482
Quercus lanceaefolia		745	79.319	184.283	105.560	52.482	26.241	0.000	0.000	0.000	0.000	0.000	447.885
Quercus lanuginosa		746	0.000	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Randia uliginosa		757	0.000	26.241	0.000	0.000	0.000	0.000	26.241	0.000	0.000	0.000	26.241
Sapium baccatum		785	52.482	211.120	26.241	52.482	26.241	0.000	0.000	0.000	0.000	0.000	394.807
Saurauia napaulensis		791	447.885	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	474.126
Schleichera trijuga		795	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Semecarpus ancardium		798	52.482	26.241	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	157.446
Sterculia kurzii		799	26.241	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Spondias acuminatus		810	0.000	26.241	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Spondias pinnata		812	52.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Spondias species		813	237.361	105.560	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	342.921
Sterculia foetida		818	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Sterculia villosa		821	105.560	105.560	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	211.120
Sterculia species		822	79.319	79.319	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	184.879
Stereospermum personatum		824	158.042	105.560	26.241	79.319	26.241	0.000	26.241	0.000	0.000	0.000	447.885

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Symplocos laurina		839	52.482	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.482
Syzygium cumini		843	738.325	211.120	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	975.686
Syzygium species		850	1529.131	395.403	79.319	52.482	26.241	26.241	0.000	0.000	0.000	0.000	2108.817
Talauma hodgaoni		854	0.000	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Talauma phellocarpa		855	0.000	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Terminalia belerica		861	105.560	0.000	0.000	0.000	0.000	52.482	0.000	0.000	0.000	0.000	158.042
Terminalia myriocarpa		868	948.849	447.885	158.042	184.283	105.560	26.241	52.482	52.482	79.319	26.241	2081.384
Terminalia species		871	79.319	52.482	26.241	0.000	0.000	52.482	0.000	0.000	0.000	0.000	210.524
Trema orientalis		879	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Trewia nudiflora		880	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Vitex penduncularis		901	79.319	26.241	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	131.801
Zanthoxylum budrunga		924	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Others		944	32975.916	5878.567	2213.781	948.849	421.644	131.801	184.283	158.042	0.000	0.000	42912.883
<b>TOTAL</b>			72116.067	20400.542	7718.415	4372.695	2183.962	947.059	446.692	341.729	184.283	104.964	108816.407

TABLE NO. 2.1.3

District: West Siang	Stratum: II (Reserved)	NO. OF STEMS PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)												
Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Albizia chinensis</i>		044	0.909	0.454	0.909		0.454						2.726	1.695
<i>Albizia lucida</i>		047	1.363	0.454	0.454								2.271	1.412
<i>Albizia species</i>		051	0.454										0.454	0.282
<i>Altingia excelsa</i>		060			0.909				0.454		0.909	0.909	3.181	1.978
<i>Amoora wallichii</i>		064	0.909										0.909	0.565
<i>Amoora species</i>		065	2.727	2.727	4.090	0.454	0.454						10.452	6.498
<i>Beilschimiedia roxburghiana</i>		120			0.909				1.363	0.454	0.909	0.454	4.089	2.542
<i>Boehmeria species</i>		130	0.454										0.454	0.282
<i>callicarpa arborea</i>		150	2.272	0.909									3.181	1.978
<i>Callicarpa species</i>		154			0.454								0.454	0.282
<i>Canarium resiniferum</i>		166	0.454				0.454						0.908	0.564
<i>Castanopsis hystric</i>		191	2.727	3.636	0.454	0.909	0.454	0.454					8.634	5.367
<i>Castanopsis species</i>		194	9.544	7.726	2.727	0.909	1.363	1.363					23.632	14.691
<i>Cinnamomum species</i>		216	5.454	1.818	1.363	0.454							9.543	5.933
<i>Dysoxylum binectariferum</i>		304	3.181	1.818									4.999	3.108
<i>Elaeocarpus species</i>		320	1.818		0.454								2.272	1.412
<i>Engelhardtia spicata</i>		328	0.909	2.272	0.454		0.454						7.271	4.520
<i>Eugenia species</i>		358	0.454	0.909									1.363	0.847
<i>Eurya japonica</i>		367	0.454	0.454									0.908	0.564
<i>Ficus species</i>		385	5.454	1.363	0.454		0.454						0.909	0.565
<i>Hydnocarpus alpina</i>		466	1.363	0.454	0.454	0.454							0.454	0.282
<i>Macaranga denticulata</i>		546	0.454	0.454									2.725	1.694
<i>Macaranga indica</i>		547	0.909										0.908	0.564
<i>Mecaranga peltata</i>		548		0.454									0.909	0.565
<i>Machilus species</i>		559	0.909	0.454	0.454								1.817	1.130
<i>Mallotus philippinensis</i>		565			0.454	0.454							0.908	0.564
<i>Mallotus species</i>		566	0.909	0.454									1.363	0.847
<i>Mangifera indica</i>		569					0.454						0.454	0.282

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>	<b>Percent</b>
Myristica species		630	2.272	0.454									2.726	1.695
Sapium baccatum		785			0.454								0.908	0.564
Sauvouia nepaulensis		791	0.454										0.454	0.282
Spondias acuminatus		810		0.454									0.454	0.282
Sterculia foetida		818	0.454										0.454	0.282
Syzygium cumini		843	0.909	0.454									1.817	1.130
Terminalia muyriocarpa		868	0.454										0.454	0.282
Trema orientalis		879	0.454										0.454	0.282
Others		944	30.451	10.908	4.999	2.727	0.909						0.908	0.564
<b>TOTAL</b>			79.075	39.988	19.084	8.177	4.088	4.088	1.816	1.363	2.271	0.909	160.859	100.000
<b>DIAMETER CLASS %</b>			49.158	24.859	11.864	5.083	2.541	2.541	1.129	0.847	1.412	0.565	100.000	

District: West Siang  
Stratum: II(Reserved)

TABLE NO. 2.2.3  
TOTAL STEMS (IN 000 UNIT) BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
<i>Albizia chinensis</i>		044	7.408	3.700	7.408	0.000	3.700	0.000	0.000	0.000	0.000	0.000	22.217
<i>Albizia lucida</i>		047	11.108	3.700	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.509
<i>Albizia species</i>		051	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.700
<i>Altingia excelsa</i>		060	0.000	0.000	7.408	0.000	0.000	0.000	3.700	0.000	7.408	7.408	25.925
<i>Amoora wallichii</i>		064	7.408	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.408
<i>Amoora species</i>		065	22.225	22.225	33.334	3.700	3.700	0.000	0.000	0.000	0.000	0.000	85.184
<i>Beilschimmedia roxburghiana</i>		120	0.000	0.000	7.408	0.000	0.000	11.108	3.700	7.408	3.700	0.000	33.325
<i>Boehmeria species</i>		130	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.700
<i>Callicarpa arborea</i>		150	18.517	7.408	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	25.925
<i>Callicarpa species</i>		154	0.000	0.000	0.000	3.700	0.000	0.000	0.000	0.000	0.000	0.000	3.700
<i>Canarium resiniferum</i>		166	3.700	0.000	0.000	0.000	3.700	0.000	0.000	0.000	0.000	0.000	7.400
<i>Castanopsis hystric</i>		191	22.225	29.633	3.700	7.408	3.700	0.000	0.000	0.000	0.000	0.000	70.367
<i>Castanopsis species</i>		194	77.784	62.967	22.225	7.408	11.108	0.000	0.000	0.000	0.000	0.000	192.601
<i>Cinnamomum species</i>		216	44.450	14.817	11.108	3.700	0.000	0.000	0.000	0.000	0.000	0.000	77.775
<i>Dysoxylum binectariferum</i>		304	25.925	14.817	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	40.742
<i>Elaeocarpus species</i>		320	14.817	0.000	0.000	3.700	0.000	0.000	0.000	0.000	0.000	0.000	18.517
<i>Engelhardtia spicata</i>		328	7.408	18.517	0.000	3.700	0.000	3.700	0.000	0.000	3.700	0.000	37.025
<i>Eugenia species</i>		358	3.700	7.408	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.108
<i>Eurya japonica</i>		367	3.700	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.400
<i>Ficus species</i>		385	44.450	11.108	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	59.259
<i>Hydnocarpus alpina</i>		466	11.108	3.700	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.209
<i>Macaranga denticulata</i>		546	3.700	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.400
<i>Macaranga indica</i>		547	7.408	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.408
<i>Mecaranga peltata</i>		548	0.000	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.700
<i>Machilus species</i>		559	7.408	3.700	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.809
<i>Mallotus philippinensis</i>		565	0.000	3.700	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.400
<i>Mallotus species</i>		566	7.408	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.108
<i>Mangifera indica</i>		569	0.000	0.000	0.000	3.700	0.000	0.000	0.000	0.000	0.000	0.000	3.700
<i>Myristica species</i>		630	18.517	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.217

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Sapium baccatum		785	0.000	0.000	3.700	0.000	0.000	3.700	0.000	0.000	0.000	0.000	7.400
Sauvouia nepaulensis		791	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.700
Spondias acuminatus		810	0.000	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.700
Sterculia foetida		818	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.700
Syzygium cuminii		843	7.408	3.700	0.000	3.700	0.000	0.000	0.000	0.000	0.000	0.000	14.809
Terminalia muyriocarpa		868	0.000	3.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.700
Trema orientalis		879	3.700	0.000	0.000	0.000	0.000	0.000	0.000	3.700	0.000	0.000	7.400
Others		944	248.176	88.900	40.742	22.225	7.408	0.000	3.700	3.700	0.000	0.000	414.851
<b>TOTAL</b>			644.461	325.902	155.535	66.643	33.317	33.317	14.800	11.108	18.509	7.408	1311.001

**TABLE NO. 2.1.4**  
**NO. OF STEMS PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)**

District: West Siang Stratum:(Unclassed)	Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
	Acer species	021											0.172	0.089
	Acrocarpus fraxinifolius	022	0.086	0.171			0.086						0.343	0.178
	Adina cordifolia	028	0.342	0.171	0.086								0.599	0.311
	Adina sessilifolia	029	0.086										0.086	0.045
	Ailanthus altissima	039	0.086										0.086	0.045
	Albizia lebbek	046											0.342	0.178
	Albizia lucida	047	0.256	0.086	0.171		0.086	0.256					0.513	0.266
	Albizia species	051	1.539	1.206	0.171	0.256							3.172	1.647
	Alnus nepalensis	053	0.256	0.171									0.427	0.222
	Alstonia scholaris	057			0.086								0.258	0.134
	Altinigia excelsa	060	0.428	0.086									0.686	0.356
	Amoora wallichii	064	0.428	0.428	0.171								1.027	0.533
	Amoora species	065	0.855	0.342	0.086		0.086						1.369	0.711
	Anthocephalus cadamba	074	0.770										0.770	0.400
	Artocarpus chaplasha	089				0.086							0.086	0.045
	Artocarpus lakoocha	093		0.086									0.086	0.045
	Artocarpus species	094	0.086		0.086								0.172	0.089
	Beilschimiedia roxburghiana	120		0.086		0.086							0.430	0.223
	Betula alnoides	126	1.710	1.026	0.513	0.086							3.335	1.732
	Boehmeria species	130	0.171	0.086									0.257	0.133
	Callicarpa arborea	150	3.847	0.256	0.086								4.189	2.176
	Canarium resiniferum	166	0.171										0.514	0.267
	Canarium species	168	0.086	0.086									0.258	0.134
	Castanopsis hystric	191	0.086	0.086	0.086								0.344	0.179
	Castanopsis indica	192	0.513	0.770	0.171								1.454	0.755
	Castanopsis species	194	7.780	4.788	2.650	1.026	0.428	0.342	0.171				17.357	9.015
	Cecrelia toona	198			0.171	0.086							0.343	0.178
	Chukrasia vellutina	208		0.256	0.086								0.342	0.178
	Chukrasia species	209		0.086									0.086	0.045
	Cinnamomum cecidodaphne	213				0.086							0.086	0.045
	Cinnamomum tamala	214	0.171		0.171								0.342	0.178
	Cinnamomum species	216	3.163	0.513	0.598	0.171							4.616	2.397

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Dillena pentagyna		278	0.171										0.171	0.089
<i>Diospyros</i> species		292			0.086								0.086	0.045
<i>Dipterocarpus</i> species		298					0.086						0.086	0.045
<i>Dypetes lancifolia</i>		302	0.513										0.513	0.266
<i>Dysoxylum binectariferum</i>		304	1.881	1.111	0.342	0.086							3.762	1.954
<i>Dysoxylum hamiltonii</i>		305	0.086	0.086	0.086	0.086							0.344	0.179
<i>Elaeocarpus varunua</i>		319					0.086						0.086	0.045
<i>Elaeocarpus</i> species		320	0.171	0.171	0.171	0.086							0.599	0.311
<i>Engelhardtia spicata</i>		328	1.026	0.684	0.256	0.086	0.171						2.566	1.333
<i>Erythrina</i> species		342	0.086	0.086									0.172	0.089
<i>Eugenia cymosa</i>		350	0.086										0.086	0.045
<i>Eugenia formosa</i>		352	1.795	0.086	0.171	0.086							2.224	1.155
<i>Eugenia</i> species		358	1.197	0.941	0.171								2.395	1.244
<i>Eurya japonica</i>		367	4.275	0.513									4.788	2.487
<i>Evodia</i> species		370		0.086									0.086	0.045
<i>Ficus</i> species		385	2.650	1.282	0.342		0.086						4.360	2.264
<i>Hydnocarpus alpina</i>		466	0.171		0.086								0.257	0.133
<i>Hydnocarpus kurzii</i>		467	0.171	0.086	0.086		0.171						0.514	0.267
<i>Hymenodictyon excelsum</i>		470	0.086										0.086	0.045
<i>Kayea assamica</i>		492	0.171		0.086								0.171	0.089
<i>Kayea floribunda</i>		493	0.086										0.258	0.134
<i>Kydia calycina</i>		501	0.598	0.428	0.256	0.352	0.086						1.806	0.938
<i>Lannea coromandelica</i>		509	0.171										0.171	0.089
<i>Laportea crenulata</i>		511											0.086	0.045
<i>Litsaea</i> species		541	0.171										0.171	0.089
<i>Macaranga denticulata</i>		546	1.111	0.428	0.171								1.710	0.888
<i>Macaranga indica</i>		547	4.446	0.941	0.086		0.086						5.559	2.887
<i>Mecaranga peltata</i>		548	0.684	0.256									0.940	0.488
<i>Machilus</i> species		559	1.111	0.513	0.256								1.880	0.976
<i>Macropanax oreophilum</i>		560	0.171	0.086	0.086								0.343	0.178
<i>Magnolia</i> species		562	1.282	0.086	0.086	0.086							1.540	0.800
<i>Mallotus philippinensis</i>		565				0.256							0.256	0.133
<i>Melia azadirachta</i>		583	0.086										0.086	0.045
<i>Michelia champaca</i>		595		0.086	0.171			0.086					0.343	0.178
<i>Michelia</i> species		602	0.342	0.598	0.598	0.086							1.624	0.843
<i>Miliusa tomentosa</i>		605	0.086	0.086									0.172	0.089

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Morus laevigata</i>		617						0.086					0.086	0.045
<i>Myristica species</i>		630	0.684	0.086			0.086		0.086				0.770	0.400
<i>Ostodes paniculta</i>		652	0.770				0.086						1.028	0.534
<i>Phoebe cooperiana</i>		668					0.086						0.086	0.045
<i>Phoebe goalparensis</i>		669					0.086						0.086	0.045
<i>Phoebe species</i>		673	0.086				0.086						0.086	0.045
<i>Pinus roxburghii</i>		685	0.513	0.342		0.428		0.086					1.369	0.711
<i>Pinus species</i>		686											0.172	0.089
<i>Pyrus species</i>		737	0.941										0.941	0.489
<i>Rhododendron species</i>		765	0.428	0.086									0.514	0.267
<i>Sapindus emarginata</i>		782	0.086										0.086	0.045
<i>Sapium baccatum</i>		785		0.171	0.086			0.171					0.428	0.222
<i>Saurauja napaulensis</i>		791	4.788	0.171									4.959	2.576
<i>Spondias acuminatus</i>		810				0.086							0.086	0.045
<i>Spondias species</i>		813	0.086	0.256									0.342	0.178
<i>Sterculia foetida</i>		818		0.086									0.086	0.045
<i>Stereospermum personatum</i>		824	0.256		0.086	0.086	0.086	0.171					0.685	0.356
<i>Sympingtonia populnea</i>		836				0.086	0.086						0.086	0.045
<i>Symplocos crataegoides</i>		838			0.086								0.086	0.045
<i>Symplocos laurina</i>		839	0.684		0.428	0.086							1.198	0.622
<i>Syzygium cumini</i>		843	1.197		0.086	0.256	0.171	0.086					1.796	0.933
<i>Syzygium species</i>		850	0.941		0.513	0.086							1.540	0.800
<i>Talauma hodgaoni</i>		854	0.171		0.171	0.086							0.428	0.222
<i>Terminilia belerica</i>		861				0.086							0.086	0.045
<i>Terminilia citrina</i>		865	0.086			0.086							0.172	0.089
<i>Terminilia myriocarpa</i>		868	0.256	0.256									0.598	0.311
<i>Terminilia species</i>		871		0.086									0.086	0.045
<i>Trema orientalis</i>		879	0.171										0.257	0.133
<i>Zanthoxylum budrunga</i>		924	0.256	0.086	0.086	0.086							0.514	0.267
Others		944	55.234	18.299	8.037	3.505	1.368	0.856	0.684	0.342	0.171	0.941	89.437	46.452
<b>TOTAL</b>			115.773	40.721	18.394	7.883	3.339	1.971	1.542	0.772	0.429	1.714	192.538	100.000
<b>DIAMETER CLASS %</b>		60.130	21.150	9.553	4.094	1.734	1.024	0.801	0.401	0.223	0.890	100.000		

**TABLE NO. 2.2.4**  
**TOTAL STEMS (IN 000 UNIT ) BY SPECIES AND DIAMETER CLASSES (IN CM.)**

District: West Siang Stratum (Unclassed), n	Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Acer species	021	0.000	0.000	0.000	0.000	0.000	0.000	26.552	26.552	0.000	0.000	0.000	53.105
Acrocarpus fraxinifolius	022	26.552	52.796	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	105.901
Adina cordifolia	028	105.592	52.796	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	184.940
Adina sessilifolia	029	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Ailanthus altissima	039	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Albizia lebbek	046	0.000	0.000	26.552	79.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	105.592
Albizia lucida	047	79.039	26.552	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	158.388
Albizia species	051	475.163	372.350	52.796	79.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	979.349
Alnus nepalensis	053	79.039	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	131.835
Alstonia scholaris	057	0.000	0.000	26.552	0.000	0.000	0.000	26.552	26.552	0.000	0.000	0.000	79.657
Altinigia excelsa	060	132.144	26.552	0.000	0.000	0.000	0.000	0.000	26.552	26.552	0.000	0.000	211.801
Amoora wallichii	064	132.144	132.144	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	317.084
Amoora species	065	263.980	105.592	26.552	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	422.676
Anthocephalus cadamba	074	237.736	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	237.736
Artocarpus chaplasha	089	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Artocarpus lakoocha	093	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Artocarpus species	094	26.552	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	53.105
Beilschimmedia roxburghiana	120	0.000	26.552	0.000	26.552	0.000	0.000	26.552	0.000	26.552	26.552	0.000	132.762
Betula alnoides	126	527.959	316.775	158.388	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1029.675
Boehmeria species	130	52.796	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	79.348
Callicarpa arborea	150	1187.754	79.039	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1293.345
Canarium resiniferum	166	52.796	0.000	0.000	0.000	0.000	26.552	52.796	0.000	0.000	26.552	158.696	
Canarium species	168	26.552	26.552	0.000	0.000	0.000	0.000	0.000	26.552	0.000	0.000	0.000	79.657
Castanopsis hystrix	191	26.552	26.552	0.000	26.552	0.000	26.552	0.000	0.000	0.000	0.000	0.000	106.209
Castanopsis indica	192	158.388	237.736	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	448.920
Castanopsis species	194	2402.059	1478.285	818.182	316.775	132.144	105.592	52.796	0.000	26.552	26.552	0.000	5358.939
Cecrela toona	198	0.000	52.796	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	105.901
Chukrasia vellutina	208	79.039	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	105.592
Chukrasia species	209	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Cinnamomum cecidodaphne	213	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Cinnamomum tamala	214	52.796	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	105.592
Cinnamomum species	216	976.570	158.388	184.631	52.796	0.000	52.796	0.000	0.000	0.000	0.000	0.000	1425.181
Dillena pentagyna	278	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.796

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Diospyros species		292	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Dipterocarpus species		298	0.000	0.000	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	26.552
Drypetes lancifolia		302	158.388	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	158.388
Dysoxylum binectariferum		304	580.755	343.019	105.592	105.592	26.552	0.000	0.000	0.000	0.000	0.000	1161.510
Dysoxylum hamiltonii		305	26.552	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Elaeocarpus varunua		319	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Elaeocarpus species		320	52.796	52.796	0.000	52.796	26.552	0.000	0.000	0.000	0.000	0.000	184.940
Engelhardtia spicata		328	316.775	211.184	79.039	26.552	52.796	0.000	26.552	0.000	52.796	0.000	792.247
Erythrina species		342	26.552	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	53.105
Eugenia cymosa		350	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Eugenia formosa		352	554.203	26.552	52.796	26.552	0.000	26.552	0.000	0.000	0.000	0.000	686.656
Eugenia species		358	369.571	290.532	52.796	0.000	0.000	26.552	0.000	0.000	0.000	0.000	739.451
Eurya japonica		367	1319.898	158.388	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1478.285
Evodia species		370	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Ficus species		385	818.182	395.815	105.592	0.000	26.552	0.000	0.000	0.000	0.000	0.000	1346.141
Hydnocarpus alpina		466	52.796	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	79.348
Hydnocarpus kurzii		467	52.796	26.552	26.552	52.796	0.000	0.000	0.000	0.000	0.000	0.000	158.696
Hymenodictyon excelsum		470	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Kayea assamica		492	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.796
Kayea floribunda		493	26.552	0.000	26.552	26.552	0.000	0.000	0.000	0.000	0.000	0.000	79.657
Kydia calycina		501	184.631	132.144	79.039	108.679	26.552	0.000	26.552	0.000	0.000	0.000	557.599
Lannea coromandelica		509	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.796
Laportea crenulata		511	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552	0.000	0.000	26.552
Litsaea species		541	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.796
Macaranga denticulata		546	343.019	132.144	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	527.959
Macaranga indica		547	1372.694	290.532	26.552	0.000	26.552	0.000	0.000	0.000	0.000	0.000	1716.330
Mecaranga peltata		548	211.184	79.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	290.223
Machilus species		559	343.019	158.388	79.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	580.446
Macropañax oreophilum		560	52.796	26.552	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	105.901
Magnolia species		562	395.815	26.552	26.552	26.552	0.000	0.000	0.000	0.000	0.000	0.000	475.472
Malotus philippinensis		565	0.000	0.000	0.000	79.039	0.000	0.000	0.000	0.000	0.000	0.000	79.039
Melia azadirachta		583	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Michelia champaca		595	0.000	26.552	52.796	0.000	26.552	0.000	0.000	0.000	0.000	0.000	105.901
Michelia species		602	105.592	184.631	184.631	0.000	0.000	0.000	0.000	0.000	0.000	0.000	501.407
Miliusa tomentosa		605	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	53.105
Morus laevigata		617	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Mystica species		630	211.184	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	237.736
Ostodes paniculata		652	237.736	0.000	26.552	26.552	0.000	0.000	0.000	0.000	0.000	0.000	317.393
Phoebe cooperiana		668	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Phoebe goalparensis		669	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Phoebe species		673	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Pinus roxburghii		685	158.388	105.592	132.144	26.552	0.000	0.000	0.000	0.000	0.000	0.000	422.676
Pinus species		686	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	53.105
Pyrus species		737	290.532	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	290.532
Rhododendron species		765	132.144	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	158.696
Sapindus emarginata		782	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Sapium baccatum		785	0.000	52.796	26.552	0.000	52.796	0.000	0.000	0.000	0.000	0.000	132.144
Saurauia napaulensis		791	1478.285	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1531.081
Spondias acuminatus		810	0.000	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Spondias species		813	26.552	79.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	105.592
Sterculia foetida		818	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Stereospermum personatum		824	79.039	0.000	26.552	26.552	52.796	0.000	0.000	0.000	0.000	0.000	211.492
Sympingtonia populinæ		836	0.000	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Symplocos crataegoides		838	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Symplocos laurina		839	211.184	132.144	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	369.880
Syzygium cumini		843	369.571	26.552	79.039	52.796	26.552	0.000	0.000	0.000	0.000	0.000	554.511
Syzygium species		850	290.532	158.388	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	475.472
Talauma hodgsonii		854	52.796	52.796	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	132.144
Terminalia belerica		861	0.000	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Terminalia citrina		865	26.552	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	53.105
Terminalia myriocarpa		868	79.039	79.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	184.631
Terminalia species		871	0.000	26.552	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.552
Trema orientalis		879	52.796	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	79.348
Zanthoxylum budunga		924	79.039	26.552	26.552	26.552	0.000	0.000	0.000	0.000	0.000	0.000	158.696
Others		944	17053.387	5649.780	2481.408	1082.162	422.367	264.288	211.184	105.592	52.796	290.532	27613.495
<b>TOTAL</b>			35744.682	12572.527	5679.111	2433.860	1030.910	608.542	476.089	238.353	132453	529.194	59445.722

District: West Siang  
Stratum: III (Unclassed)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Abies pindrow</i>	001	0.222	0.222	0.444	0.222	0.222	0.222	0.444	0.222	0.444	0.222	2.220	2.286
<i>Albizia lebbek</i>	046											0.222	0.229
<i>Albizia lucida</i>	047	0.444	0.222	0.222								0.888	0.915
<i>Albizia procera</i>	050	0.222										0.222	0.229
<i>Albizia species</i>	051					0.222						0.222	0.229
<i>Alnus nepalensis</i>	053	1.788	0.444									2.232	2.299
<i>Altingia excelsa</i>	060	0.222										0.444	0.457
<i>Betula alnoides</i>	126	0.222					0.222					0.444	0.457
<i>Castanopsis hystric</i>	191	0.667										0.667	0.687
<i>Castanopsis indica</i>	192	1.555	0.444			0.222						2.665	2.745
<i>Castanopsis species</i>	194	1.111	0.889			0.222						2.222	2.288
<i>Cinnamomum tamala</i>	214				0.222							0.222	0.229
<i>Cinnamomum species</i>	216	1.555	0.222			0.222						1.999	2.059
<i>Citrus hystrix</i>	217					0.222						0.222	0.229
<i>Cordia dichotoma</i>	232	0.667			0.667							1.334	1.374
<i>Dysoxylum binectariferum</i>	304		0.222			0.444						0.888	0.915
<i>Engelhardtia spicata</i>	328					0.222						0.222	0.229
<i>Eurya japonica</i>	367	0.444	0.222									0.666	0.686
<i>Ficus species</i>	385	1.555	1.555	0.444	0.222							3.776	3.889
<i>Gyrocarpus odorata</i>	438	0.444										0.444	0.457
<i>Hydnocarpus alpina</i>	466	0.889	0.667									1.556	1.602
<i>Hydnocarpus kurzii</i>	467	0.222										0.222	0.229
<i>Litsaea species</i>	541	0.222										0.222	0.229
<i>Machilus species</i>	559	0.889	0.667	0.222	0.444							2.222	2.288
<i>Morus laevigata</i>	617											0.222	0.229
<i>Pinus roxburghii</i>	685	2.444	1.778	0.889	0.444		0.444	0.222				6.221	6.407
<i>Pyrus species</i>	737	4.444	0.444									4.888	5.034

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>	<b>Percent</b>
Quercus lanuginosa		746	2.444	0.222	0.667	0.444							3.777	3.890
Quercus species		754	3.777	2.000	2.000	1.778	0.222						9.777	10.069
Rhododendron species		765	5.555	1.555	1.555	0.222							9.109	9.381
Sapium eugenialfolium		786	0.222										0.222	0.229
Sloanea dasycarpa		806											0.222	0.229
Trema orientalis		879	0.667										0.667	0.687
Vitex altissima		898	0.222										0.222	0.229
Others		944	21.776	5.555	2.666	1.555	0.667	0.889	0.667	0.667	0.444	0.444	35.330	36.385
<b>TOTAL</b>		54,891	17,330	9,998	7,107	1,333	1,555	1,555	1,555	1,555	0,666	1,110	97,100	100,000
<b>DIAMETER CLASS %</b>		56,530	17,848	10,297	7,319	1,373	1,601	1,601	1,601	1,601	0,686	1,143	100,000	

District: West Siang  
Stratum: III (Unclassed)

TABLE NO.2.2.5  
TOTAL STEMS ( IN 000 UNIT ) BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Abies pindrow		001	26.362	26.362	52.725	26.362	26.362	0.000	26.362	52.725	26.362	0.000	263.623
Albizia lebbek		046	0.000	0.000	0.000	0.000	0.000	26.362	0.000	0.000	0.000	0.000	26.362
Albizia lucida		047	52.725	26.362	26.362	0.000	0.000	0.000	0.000	0.000	0.000	0.000	105.449
Albizia procera		050	26.362	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.362
Albizia species		051	0.000	0.000	0.000	26.362	0.000	0.000	0.000	0.000	0.000	0.000	26.362
Alnus nepalensis		053	212.323	52.725	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	265.048
Altingia excelsa		060	26.362	0.000	0.000	0.000	0.000	0.000	0.000	26.362	0.000	0.000	52.725
Betula alnoidea		126	26.362	0.000	0.000	0.000	0.000	26.362	0.000	0.000	0.000	0.000	52.725
Castanopsis hystrix		191	79.206	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	79.206
Castanopsis indica		192	184.655	52.725	0.000	26.362	0.000	0.000	0.000	0.000	0.000	0.000	316.466
Castanopsis species		194	131.930	105.568	0.000	26.362	0.000	0.000	0.000	0.000	0.000	0.000	263.860
Cinnamomum tamala		214	0.000	0.000	26.362	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.362
Cinnamomum species		216	184.655	26.362	0.000	26.362	0.000	0.000	0.000	0.000	0.000	0.000	237.379
Citrus hystrix		217	0.000	0.000	0.000	26.362	0.000	0.000	0.000	0.000	0.000	0.000	26.362
Cordia dichotoma		232	79.206	0.000	79.206	0.000	0.000	0.000	0.000	0.000	0.000	0.000	158.411
Diospyrum binecatiferum		304	0.000	26.362	0.000	52.725	0.000	0.000	0.000	0.000	0.000	0.000	105.449
Engelhardtia spicata		328	0.000	0.000	0.000	26.362	0.000	0.000	0.000	0.000	0.000	0.000	26.362
Eurya japonica		367	52.725	26.362	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	79.087
Ficus species		385	184.655	184.655	52.725	26.362	0.000	0.000	0.000	0.000	0.000	0.000	448.396
Gyrocarpus odorata		438	52.725	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	52.725
Hydnocarpus alpina		466	105.568	79.206	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	184.773
Hydnocarpus kurzii		467	26.362	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.362
Litsea species		541	26.362	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.362
Machilis species		559	105.568	79.206	26.362	52.725	0.000	0.000	0.000	26.362	0.000	0.000	263.860
Morus laevigata		617	0.000	0.000	0.000	0.000	0.000	0.000	26.362	0.000	0.000	0.000	26.362
Pinus roxburghii		685	290.223	211.136	105.568	52.725	0.000	52.725	0.000	26.362	0.000	0.000	738.738
Pyrus species		737	527.721	52.725	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	580.445
Quercus lanuginosa		746	290.223	26.362	79.206	52.725	0.000	0.000	0.000	0.000	0.000	0.000	448.515

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Quercus species		754	448.515	237.498	237.498	211.136	26.362	0.000	0.000	0.000	0.000	0.000	1161.009
Rhododendron species		765	659.651	184.655	184.655	26.362	0.000	0.000	26.362	0.000	0.000	0.000	1081.685
Sapium eugenialolum		786	26.362	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.362
Sloanea dasycarpa		806	0.000	0.000	0.000	0.000	0.000	0.000	26.362	0.000	0.000	0.000	26.362
Trema orientalis		879	79.206	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	79.206
Vitex altissima		898	26.362	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.362
Others		944	2585.878	659.651	316.585	184.655	79.206	105.568	79.206	79.206	52.725	52.725	4195.402
<b>TOTAL</b>		6518.251	2057.920	1187.253	843.949	158.292	184.655	184.655	184.655	79.087	131.811	11530.528	

**TABLE 4.1.1**  
**VOLUME PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)**

District: West Siang Stratum: II (Reserved)		Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Ailanthus altissima</i>	039	0.061											0.061	0.111
<i>Albizia lucida</i>	047	0.018											0.018	0.033
<i>Albizia procera</i>	050						0.391						0.391	0.714
<i>Albizia species</i>	051	0.249	0.531	0.187									0.967	1.767
<i>Atingia excelsa</i>	060	0.145	0.234	0.315	0.890								1.584	2.894
<i>Amoora wallichii</i>	064	0.037	0.095	0.468									0.600	1.096
<i>Amoora species</i>	065		0.111										0.111	0.203
<i>Anthocephalus cadamba</i>	074				0.639								0.639	1.168
<i>Artocarpus chaplasha</i>	089	0.018	0.111										0.129	0.236
<i>Bischofia javanica</i>	129		0.123										0.123	0.225
<i>Bombax ceiba</i>	131					0.673	0.574	1.011					2.258	4.126
<i>Callicarpa arborea</i>	150	0.382	0.150										0.532	0.972
<i>Canarium species</i>	168	0.045		0.187	0.391								0.623	1.138
<i>Castanopsis indica</i>	192	0.533	0.135	0.892	0.913	0.565							3.038	5.551
<i>Castanopsis species</i>	194	0.805	0.990	2.638	1.589		2.971						8.993	16.432
<i>Careya toona</i>	198		0.111										0.111	0.203
<i>Cinnamomum species</i>	216	0.045											0.045	0.082
<i>Dillenia indica</i>	277		0.245										0.245	0.448
<i>Dillenia pentagyna</i>	278		0.135										0.135	0.247
<i>Dubabanga grandiflora</i>	303	0.027	0.517	0.338	1.966	1.038							3.886	7.101
<i>Dysoxylum binectariferum</i>	304	0.172	0.447	0.187									0.806	1.473
<i>Erythrina species</i>	342	0.052	0.080										0.132	0.241
<i>Euphorbia longana</i>	366		0.160										0.160	0.292
<i>Ficus species</i>	385	0.221	0.920	0.216	0.519	1.793	1.071						4.740	8.661
<i>Garuga pinnata</i>	407	0.032											0.032	0.058
<i>Gmelina arborea</i>	420	0.434	0.568	1.427	0.802	0.565							3.796	6.936
<i>Hydnocarpus alpina</i>	466	0.287											0.287	0.524
<i>Kayea assamica</i>	492	0.055	0.070										0.125	0.228
<i>Kydia calycina</i>	501	0.029		0.148	0.449								0.626	1.144
<i>Lannea coromandelica</i>	509	0.125											0.125	0.228
<i>Macaranga denticulata</i>	546	0.007											0.007	0.013

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>	<b>Percent</b>
<b>Macaranga indica</b>		547	0.653	0.436									1.089	1.990
<b>Mecaranga peltata</b>		548	0.071										0.071	0.130
<b>Machilus species</b>		559	0.012										0.531	0.970
<b>Magnolia species</b>		562	0.031	0.111									0.142	0.259
<b>Mallotus philippensis</b>		565	0.009										0.009	0.016
<b>Mangifera indica</b>		569	0.012										0.012	0.022
<b>Michelia species</b>		602		0.097									0.097	0.177
<b>Mansonia species</b>		612		0.135									0.135	0.247
<b>Myristica species</b>		630	0.012										0.012	0.022
<b>Pterospermum acerifolium</b>		725	0.002	0.070									1.708	3.121
<b>Sapium baccatum</b>		785			0.216								1.869	3.415
<b>Spondias species</b>		813	0.219	0.193									0.412	0.753
<b>Stereospermum personatum</b>		824	0.030	0.415	0.263	0.743							1.451	2.651
<b>Symplocos laurina</b>		839	0.037	0.070									0.107	0.196
<b>Syzygium species</b>		850	0.020	0.070									0.090	0.164
<b>Tacca grandis</b>		858	0.706	0.404									1.110	2.028
<b>Terminalia chebula</b>		864		0.135									0.135	0.247
<b>Terminalia myriocarpa</b>		868	0.073	0.080	0.263	0.474	0.690	0.945					2.525	4.614
<b>Tetrameles nudiflora</b>		873	0.045										0.045	0.082
<b>Others</b>		944	3.135	1.657	0.403	1.968	0.690						7.853	14.349
<b>TOTAL</b>			8.846	9.606	8.148	12.287	7.119	7.069	0.000	1.653	0.000	0.000	54.728	100.000
<b>DIAMETER CLASS %</b>		16.164	17.552	14.888	22.451	13.008	12.917	0.000	3.020	0.000	0.000	0.000	100.000	

TABLE NO.4.2.1

District: West Siang Stratum: II(Reserved)		TOTAL VOLUME (IN 000 M3) BY SPECIES AND DIAMETER CLASSES (IN CM.)										Total
Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+
<i>Alianthus altissima</i>		039	0.994	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.994
<i>Albizia lucida</i>		047	0.293	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.293
<i>Albizia procera</i>		050	0.000	0.000	0.000	6.373	0.000	0.000	0.000	0.000	0.000	6.373
<i>Albizia species</i>		051	4.058	8.654	3.048	0.000	0.000	0.000	0.000	0.000	0.000	15.760
<i>Aitingia excelsa</i>		060	2.363	3.814	5.134	14.505	0.000	0.000	0.000	0.000	0.000	25.816
<i>Amoora wallichii</i>		064	0.603	1.548	7.627	0.000	0.000	0.000	0.000	0.000	0.000	9.779
<i>Amoora species</i>		065	0.000	1.809	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.809
<i>Anthocephalus cadamba</i>		074	0.000	0.000	0.000	10.414	0.000	0.000	0.000	0.000	0.000	10.414
<i>Artocarpus chaplasha</i>		089	0.293	1.809	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.102
<i>Bischofia javanica</i>		129	0.000	2.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.005
<i>Bombax ceiba</i>		131	0.000	0.000	0.000	10.969	9.355	16.477	0.000	0.000	0.000	36.801
<i>callicarpa arborea</i>		150	6.226	2.445	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.671
<i>Canarium species</i>		168	0.733	0.000	3.048	6.373	0.000	0.000	0.000	0.000	0.000	10.154
<i>Castanopsis indica</i>		192	8.687	2.200	14.538	14.880	9.208	0.000	0.000	0.000	0.000	49.513
<i>Castanopsis species</i>		194	13.120	16.135	42.994	25.898	0.000	48.421	0.000	0.000	0.000	146.568
<i>Cecrela toona</i>		198	0.000	1.809	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.809
<i>Cinnamomum species</i>		216	0.733	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.733
<i>Dillenia indica</i>		277	0.000	3.993	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.993
<i>Dillena pentagyna</i>		278	0.000	2.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.200
<i>Duabanga grandiflora</i>		303	0.440	8.426	5.509	32.042	16.917	0.000	0.000	0.000	0.000	63.334
<i>Dysoxylum binectariferum</i>		304	2.803	7.285	3.048	0.000	0.000	0.000	0.000	0.000	0.000	13.136
<i>Erythrina species</i>		342	0.847	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.151
<i>Euphoria longana</i>		366	0.000	2.608	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.608
<i>Ficus species</i>		385	3.602	14.994	3.520	8.459	29.222	17.455	0.000	0.000	0.000	77.253
<i>Ganuga pinnata</i>		407	0.522	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.522
<i>Gmelina arborea</i>		420	7.073	9.257	23.257	13.071	9.208	0.000	0.000	0.000	0.000	61.867
<i>Hydnocarpus alpinus</i>		466	4.678	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.678
<i>Kayea assamica</i>		492	0.896	1.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.037
<i>Kydia calycina</i>		501	0.473	0.000	2.412	7.318	0.000	0.000	0.000	0.000	0.000	10.203
<i>Lannea coromandelica</i>		509	2.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.037
<i>Macaranga denticulata</i>		546	0.114	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.114
<i>Macaranga indica</i>		547	10.643	7.106	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.749
<i>Mecaranga petita</i>		548	1.157	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.157

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
<b>Machilus species</b>		559	0.196	0.000	0.000	8.459	0.000	0.000	0.000	0.000	0.000	0.000	8.654
<b>Magnolia species</b>		562	0.505	1.809	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.314
<b>Mallotus philippensis</b>		565	0.147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.147
<b>Mangifera indica</b>		569	0.196	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.196
<b>Michelia species</b>		602	0.000	1.581	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.581
<b>Mansonia species</b>		612	0.000	2.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.200
<b>Myristica species</b>		630	0.196	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.196
<b>Pterospermum acerifolium</b>		725	0.033	1.141	0.000	0.000	9.208	17.455	0.000	0.000	0.000	0.000	27.837
<b>Sapium baccatum</b>		785	0.000	0.000	3.520	0.000	0.000	0.000	0.000	26.941	0.000	0.000	30.461
<b>Spondias species</b>		813	3.569	3.146	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.715
<b>Stereospermum personatum</b>		824	0.489	6.764	4.286	12.109	0.000	0.000	0.000	0.000	0.000	0.000	23.648
<b>Symplocos laurina</b>		839	0.603	1.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.744
<b>Syzygium species</b>		850	0.326	1.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.467
<b>Tectona grandis</b>		858	11.506	6.584	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.091
<b>Terminalia chenbula</b>		864	0.000	2.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.200
<b>Terminalia myriocarpa</b>		868	1.190	1.304	4.286	7.725	11.246	15.402	0.000	0.000	0.000	0.000	41.152
<b>Tetrameles nudiflora</b>		873	0.733	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.733
<b>Others</b>		944	51.094	27.006	6.568	32.074	11.246	0.000	0.000	0.000	0.000	0.000	127.988
<b>TOTAL</b>			144.172	156.559	132.796	200.254	116.025	115.211	0.000	26.941	0.000	0.000	891.957

**TABLE NO. 4.1.2**  
**VOLUME PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)**

District: West Siang  
Stratum: (Unclassed)

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Acrocarpus fraxinifolius</i>		022			0.068								0.068	0.076
<i>Adina cordifolia</i>		028		0.057									0.057	0.063
<i>Ailanthus altissima</i>		039		0.035	0.132		0.250						0.417	0.464
<i>Albizia chinensis</i>		044	0.069	0.372	0.202	0.242	0.272	0.386					1.975	2.195
<i>Albizia lebbek</i>		046			0.064		0.286	0.163					0.513	0.570
<i>Albizia lucida</i>		047	0.032	0.133	0.101	0.096							0.362	0.402
<i>Albizia procera</i>		050	0.011	0.073									0.084	0.093
<i>Albizia species</i>		051	0.127	0.339	0.318								0.947	1.053
<i>Altingia excelsa</i>		060	0.062		0.222	0.181	0.115						0.580	0.645
<i>Amoora wallichii</i>		064	0.005	0.036		0.067	0.234						0.342	0.380
<i>Amoora species</i>		065	0.142	0.311	0.123	0.092							0.668	0.743
<i>Anthocephalus cadamba</i>		074	0.033		0.085		0.265						0.383	0.426
<i>Artocarpus chaplasha</i>		089		0.023									0.023	0.026
<i>Artocarpus heterophyllus</i>		091		0.154	0.230	0.101	0.125						0.610	0.678
<i>Artocarpus lakoocha</i>		093											0.231	0.257
<i>Artocarpus species</i>		094	0.002										0.002	0.002
<i>Betula alnoides</i>		126	0.053										0.053	0.059
<i>Betula utilis</i>		128	0.004										0.004	0.004
<i>Bischofia javanica</i>		129	0.023	0.025									0.048	0.053
<i>Bombax ceiba</i>		131	0.008		0.051	0.093		0.149					0.301	0.335
<i>Callicarpa arborea</i>		150	0.668	0.346	0.154								1.168	1.298
<i>Calophyllum wightianum</i>		160	0.002										0.002	0.002
<i>Canarium resiniferum</i>		166	0.038	0.077	0.044	0.092	0.115	0.163	0.296	0.370	0.441		1.636	1.819
<i>Canarium species</i>		168	0.054	0.041	0.110	0.273	0.120						0.598	0.665
<i>Castanopsis indica</i>		192	0.178	0.085	0.038	0.096		0.393					1.143	1.271
<i>Castanopsis species</i>		194	2.001	4.465	4.073	4.207	1.979	1.682					18.768	20.862
<i>Cecrela toona</i>		198	0.035		0.228	0.047	0.088		0.180				0.578	0.642
<i>Chukrasia velutina</i>		208	0.058		0.085	0.038	0.256	0.130					0.567	0.630
<i>Chukrasia species</i>		209			0.154		0.101						0.255	0.283
<i>Cinnamomum species</i>		216	0.158		0.156	0.044	0.278	0.140					0.776	0.863
<i>Crypteronia paniculata</i>		254	0.011										0.011	0.012
<i>Cyclostemon assamicus</i>		262	0.012										0.012	0.013

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Dalbergia sissoo		268	0.010										0.010	0.011
Dillenia pentagona		278	0.019										0.228	0.253
Dipterocarpus species		298	0.002										0.002	0.002
Drypetes lancifolia		302	0.012										0.012	0.013
Duabanga grandiflora		303											1.268	1.409
Dysoxylum binectariferum		304	0.337										0.939	1.044
Ehretia acuminata		309	0.028										0.028	0.031
Elaeocarpus species		320	0.009										0.009	0.010
Endospermum chinense		326	0.008										0.506	0.562
Engelhardtia spicata		328	0.019										0.739	0.821
Erythrina suberosa		340											0.000	0.000
Erythrina variegata		341	0.048										0.325	0.361
Erythrina species		342	0.028										0.228	0.253
Eugenia cymosa		350	0.023										0.168	0.187
Eugenia formosa		352	0.048										0.073	0.081
Eugenia species		358	0.101										0.764	0.849
Euphorbia species		365	0.014										0.254	0.282
Euphorbia longana		366	0.001										0.001	0.001
Eurya japonica		367	0.114										0.156	0.173
Evodia species		370	0.030										0.212	0.236
Fagara budignunga		372											0.025	0.028
Ficus religiosa		381	0.005										0.005	0.006
Ficus species		385	0.379										2.661	2.958
Garcinia species		403	0.006										0.022	0.024
Gmelina arborea		420	0.009										0.061	0.068
Gravia species		432	0.009										0.009	0.010
Hydnocarpus alpina		466	0.066										0.474	0.527
Hydnocarpus kurzii		467	0.002										0.086	0.096
Ixora calycina		484											0.100	0.111
Kayea assamica		492	0.067										1.368	1.521
Kydia calycina		501	0.109										2.604	2.895
Lagerstroemia hypoleuca		502											0.425	0.472
Lannea coromandelica		509	0.062										0.111	0.123
Litssea laeta		532											0.125	0.139
Litssea species		541	0.004										0.039	0.043

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Lyonia ovalifolia</i>	545	0.001										0.001	0.001
<i>Macaranga denticulata</i>	546	0.028	0.018									0.046	0.051
<i>Macaranga indica</i>	547	0.541	0.436	0.273	0.251	0.146						1.647	1.831
<i>Mecaranga peltata</i>	548	0.126	0.058									0.184	0.205
<i>Machilus species</i>	559	0.004			0.105	0.250						0.359	0.399
<i>Magnolia species</i>	562	0.055	0.088	0.054						0.432		0.629	0.699
<i>Mallotus philippinensis</i>	565	0.016										0.016	0.018
<i>Mangifera indica</i>	569		0.027									0.027	0.030
<i>Mangifera sylvatica</i>	570	0.037	0.060	0.079		0.260						0.436	0.485
<i>Melia azadirachta</i>	583	0.011	0.032	0.132								0.175	0.195
<i>Mesua ferrea</i>	593	0.022	0.018									0.040	0.044
<i>Michelia champaca</i>	595	0.016	0.080		0.096			0.231				0.423	0.470
<i>Michelia species</i>	602	0.151	0.161	0.390	0.363	0.399	0.210					1.674	1.861
<i>Mansonia species</i>	612	0.006	0.033		0.072							0.111	0.123
<i>Morus laevigata</i>	617	0.016	0.027		0.096	0.146						0.285	0.317
<i>Myristica laurifolia</i>	627							0.238				0.238	0.265
<i>Myristica species</i>	630	0.071	0.069	0.041	0.088							0.269	0.299
<i>Phoebe cooperiana</i>	668			0.041				0.192				0.233	0.259
<i>Phoebe species</i>	673	0.013		0.060								0.073	0.081
<i>Populus cilata</i>	702		0.014									0.014	0.016
<i>Premna bengalensis</i>	705		0.016									0.016	0.018
<i>Pterospermum acerifolium</i>	725						0.218					0.218	0.242
<i>Randia uliginosa</i>	757		0.027									0.027	0.030
<i>Sapium baccatum</i>	785	0.017	0.199	0.044	0.177	0.155				0.637		1.229	1.366
<i>Saurauia napaulensis</i>	791	0.026	0.032									0.058	0.064
<i>Schleichera trijuga</i>	795	0.002										0.002	0.002
<i>Semecarpus ancardium</i>	798	0.010	0.025	0.118		0.115						0.268	0.298
<i>Semecarpus kurzii</i>	799	0.004	0.035									0.039	0.043
<i>Spondias acuminatus</i>	810		0.032	0.064								0.096	0.107
<i>Spondias pinnata</i>	812	0.020										0.020	0.022
<i>Spondias species</i>	813	0.064	0.082									0.146	0.162
<i>Sterculia foetida</i>	818		0.025									0.025	0.028
<i>Sterculia villosa</i>	821	0.310	0.082									0.392	0.436
<i>Sterculia villosa</i>	822	0.031	0.060		0.075							0.166	0.185
<i>Sterculia villosa</i>	824	0.056	0.074	0.041	0.086	0.130		0.238		0.432		1.057	1.175
<i>Sterculia villosa</i>	839	0.006										0.006	0.007

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Sterculia villosa</i>		843	0.164	0.170	0.068								0.402	0.447
<i>Syzygium species</i>		850	0.294	0.324	0.167	0.168	0.140	0.183					1.276	1.418
<i>Talauma hodgaoni</i>		854			0.060								0.060	0.067
<i>Talauma phellocarpa</i>		855			0.044								0.044	0.049
<i>Terminalia belerica</i>		861	0.012		0.418	0.295	0.588	0.240					0.252	0.280
<i>Terminalia myriocarpa</i>		868	0.195		0.020	0.049	0.064	0.538	0.163	0.519	0.673	1.188	0.489	5.631
<i>Terminalia species</i>		871			0.004	0.049	0.064		0.420				0.553	0.615
<i>Trema orientalis</i>		879											0.004	0.004
<i>Trewia nudiflora</i>		880			0.018								0.018	0.020
<i>Vitex penduncularis</i>		901	0.010		0.014		0.075						0.099	0.110
<i>Zanthoxylum budrunga</i>		924	0.006										0.006	0.007
<i>Others</i>		944	5.197	4.783	4.423	3.178	1.965	0.969	1.753	2.051			24.319	27.032
<b>TOTAL</b>		12.917	17.369	14.659	14.002	10.735	6.914	4.346	4.481	2.925	1.615	89.963	100.000	
<b>DIAMETER CLASS %</b>		14.358	19.307	16.294	15.564	11.933	7.685	4.831	4.981	3.251	1.795	100.000		

District: West Siang  
Stratum: (Unclassified).1

TABLE NO. 4.2.2  
TOTAL VOLUME ( IN 000 M<sup>3</sup> ) BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
<i>Acrocarpus fraxinifolius</i>		022	0.000	40.554	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	40.554
<i>Adina cordifolia</i>		028	0.000	0.000	33.994	0.000	0.000	0.000	0.000	0.000	0.000	0.000	33.994
<i>Ailanthus attissima</i>		039	0.000	20.873	78.723	0.000	149.096	0.000	0.000	0.000	0.000	0.000	248.693
<i>Albizia chinensis</i>		044	41.151	221.855	120.470	144.325	162.217	230.205	0.000	0.000	257.638	0.000	1177.860
<i>Albizia lebbek</i>		046	0.000	0.000	38.169	0.000	170.566	97.211	0.000	0.000	0.000	0.000	305.946
<i>Albizia lucida</i>		047	19.084	79.319	60.235	57.253	0.000	0.000	0.000	0.000	0.000	0.000	215.891
<i>Albizia procera</i>		050	6.560	43.536	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	50.096
<i>Albizia species</i>		051	75.741	202.175	189.650	0.000	0.000	97.211	0.000	0.000	0.000	0.000	564.777
<i>Altingia excelsa</i>		060	36.976	0.000	132.397	107.946	68.584	0.000	0.000	0.000	0.000	0.000	345.903
<i>Amoora wallichii</i>		064	2.982	21.470	0.000	39.958	139.554	0.000	0.000	0.000	0.000	0.000	203.964
<i>Amoora species</i>		065	84.687	185.476	73.355	54.867	0.000	0.000	0.000	0.000	0.000	0.000	398.385
<i>Anthocephalus cadamba</i>		074	19.681	0.000	50.693	0.000	158.042	0.000	0.000	0.000	0.000	0.000	228.415
<i>Artocarpus chaplasha</i>		089	0.000	13.717	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.717
<i>Artocarpus heterophyllus</i>		091	0.000	91.843	137.169	60.235	74.548	0.000	0.000	0.000	0.000	0.000	363.795
<i>Artocarpus lakoocha</i>		093	0.000	0.000	0.000	0.000	0.000	0.000	137.765	0.000	0.000	0.000	137.765
<i>Artocarpus species</i>		094	1.193	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.193
<i>Betula alnoides</i>		126	31.608	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.608
<i>Betula utilis</i>		128	2.386	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.386
<i>Bischofia javanica</i>		129	13.717	14.910	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.626
<i>Bombax ceiba</i>		131	4.771	0.000	30.416	55.464	0.000	88.861	0.000	0.000	0.000	0.000	179.512
<i>Callicarpa arborea</i>		150	398.385	206.349	91.843	0.000	0.000	0.000	0.000	0.000	0.000	0.000	696.578
<i>Calophyllum wightianum</i>		160	1.193	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.193
<i>Canarium resiniferum</i>		166	22.663	45.922	26.241	54.867	68.584	97.211	176.530	220.662	263.006	0.000	975.686
<i>Canarium species</i>		168	32.205	24.452	65.602	162.813	71.566	0.000	0.000	0.000	0.000	0.000	356.638
<i>Castanopsis indica</i>		192	106.157	50.693	22.663	57.253	0.000	234.379	0.000	210.524	0.000	0.000	681.668
<i>Castanopsis species</i>		194	1193.366	2662.859	2429.076	2508.992	1180.246	1003.120	0.000	215.295	0.000	0.000	11192.954
<i>Cecrela toona</i>		198	20.873	135.976	28.030	52.482	0.000	107.349	0.000	0.000	0.000	0.000	344.711
<i>Chukrasia velutina</i>		208	34.590	50.693	22.663	152.675	77.530	0.000	0.000	0.000	0.000	0.000	338.150
<i>Chukrasia species</i>		209	0.000	91.843	0.000	60.235	0.000	0.000	0.000	0.000	0.000	0.000	152.078
<i>Cinnamomum species</i>		216	94.229	93.036	26.241	165.795	83.494	0.000	0.000	0.000	0.000	0.000	462.795
<i>Crypterion paniculata</i>		254	6.560	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.560
<i>Cyclostemon assamicus</i>		262	7.157	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.157
<i>Daibergia sissoo</i>		268	5.964	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.964

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
<i>Dillenia pentagyna</i>		278	11.331	0.000	72.163	52.482	0.000	0.000	0.000	0.000	0.000	0.000	135.976
<i>Dipterocarpus species</i>		298	1.193	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.193
<i>Dypsetes lancifolia</i>		302	7.157	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.157
<i>Duabanga grandiflora</i>		303	0.000	34.590	46.518	327.415	236.168	111.524	0.000	0.000	0.000	0.000	756.216
<i>Dysoxylum binectariferum</i>		304	200.982	141.343	50.693	92.440	74.548	0.000	0.000	0.000	0.000	0.000	560.006
<i>Ehretia acuminata</i>		309	16.699	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.699
<i>Elaeocarpus species</i>		320	5.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.367
<i>Endospermum chinense</i>		326	4.771	28.626	72.163	47.114	149.096	0.000	0.000	0.000	0.000	0.000	301.771
<i>Engelhardtia spicata</i>		328	11.331	74.548	33.994	110.331	0.000	0.000	0.000	0.000	0.000	0.000	440.729
<i>Erythrina suberosa</i>		340	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<i>Erythrina variegata</i>		341	28.626	45.922	32.205	0.000	87.072	0.000	0.000	0.000	0.000	0.000	193.825
<i>Erythrina species</i>		342	16.699	0.000	62.024	57.253	0.000	0.000	0.000	0.000	0.000	0.000	135.976
<i>Eugenia cymosa</i>		350	13.717	39.361	0.000	47.114	0.000	0.000	0.000	0.000	0.000	0.000	100.193
<i>Eugenia formosa</i>		352	28.626	14.910	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	43.536
<i>Eugenia species</i>		358	60.235	56.657	54.271	0.000	0.000	125.837	158.638	0.000	0.000	0.000	455.638
<i>Euphorbia species</i>		365	8.349	14.910	38.169	90.054	0.000	0.000	0.000	0.000	0.000	0.000	151.482
<i>Euphorbia longana</i>		366	0.596	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.596
<i>Eurya japonica</i>		367	67.988	25.048	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	93.036
<i>Evodia species</i>		370	17.892	26.241	29.819	52.482	0.000	0.000	0.000	0.000	0.000	0.000	126.434
<i>Fagara budrungia</i>		372	0.000	14.910	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.910
<i>Ficus religiosa</i>		381	2.982	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.982
<i>Ficus species</i>		385	226.030	468.759	442.518	160.428	162.217	127.030	0.000	0.000	0.000	0.000	1586.980
<i>Garcinia species</i>		403	3.578	9.542	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.120
<i>Gmelina arborea</i>		420	5.367	31.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.379
<i>Grewia species</i>		432	5.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.367
<i>Hydnocarpus alpinus</i>		466	39.361	77.530	108.542	57.253	0.000	0.000	0.000	0.000	0.000	0.000	282.686
<i>Hydnocarpus kurzii</i>		467	1.193	0.000	0.000	50.096	0.000	0.000	0.000	0.000	0.000	0.000	51.289
<i>Ixora calycina</i>		484	0.000	14.910	0.000	44.729	0.000	0.000	0.000	0.000	0.000	0.000	59.639
<i>Kayea assamica</i>		492	39.958	120.470	128.223	44.729	0.000	0.000	0.000	0.000	190.843	0.000	291.632
<i>Kydia calycina</i>		501	65.006	106.157	21.470	150.289	468.759	398.982	342.325	0.000	0.000	0.000	1552.987
<i>Lagerstroemia hypoleuca</i>		502	0.000	181.897	0.000	0.000	71.566	0.000	0.000	0.000	0.000	0.000	253.464
<i>Lannea coromandelica</i>		509	36.976	29.223	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	66.199
<i>Litsaea laeta</i>		532	0.000	0.000	0.000	0.000	74.548	0.000	0.000	0.000	0.000	0.000	74.548
<i>Litsaea species</i>		541	2.386	20.873	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23.259
<i>Lyonia ovalifolia</i>		545	0.598	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.598
<i>Macaranga denticulata</i>		546	16.699	10.735	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27.434

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
<i>Macaranga indica</i>		547	322.644	260.024	162.813	149.693	87.072	0.000	0.000	0.000	0.000	0.000	982.246
<i>Mecaranga peltata</i>		548	75.145	34.590	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	109.735
<i>Machilus species</i>		559	2.386	0.000	0.000	62.620	149.096	0.000	0.000	0.000	0.000	0.000	214.102
<i>Magnolia species</i>		562	32.801	52.482	32.205	0.000	0.000	0.000	0.000	0.000	257.638	0.000	375.126
<i>Mallotus philippensis</i>		565	9.542	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.542
<i>Mangifera indica</i>		569	0.000	16.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.102
<i>Mangifera sylvatica</i>		570	22.066	35.783	47.114	0.000	155.060	0.000	0.000	0.000	0.000	0.000	260.024
<i>Melia azadirachta</i>		583	6.560	19.084	78.723	0.000	0.000	0.000	0.000	0.000	0.000	0.000	104.367
<i>Mesua ferrea</i>		593	13.120	10.735	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23.855
<i>Michelia champaca</i>		595	9.542	47.711	0.000	57.253	0.000	0.000	137.765	0.000	0.000	0.000	252.271
<i>Michelia species</i>		602	90.054	96.018	232.590	216.488	237.958	125.241	0.000	0.000	0.000	0.000	998.348
<i>Mansonia species</i>		612	3.578	19.681	0.000	42.940	0.000	0.000	0.000	0.000	0.000	0.000	66.199
<i>Morus laevigata</i>		617	9.542	16.102	0.000	57.253	87.072	0.000	0.000	0.000	0.000	0.000	169.970
<i>Myristica laurifolia</i>		627	0.000	0.000	0.000	0.000	0.000	0.000	141.940	0.000	0.000	0.000	141.940
<i>Myristica species</i>		630	42.343	41.151	24.452	52.482	0.000	0.000	0.000	0.000	0.000	0.000	160.428
<i>Phoebe cooperiana</i>		668	0.000	0.000	24.452	0.000	0.000	114.506	0.000	0.000	0.000	0.000	138.958
<i>Phoebe species</i>		673	7.753	0.000	35.783	0.000	0.000	0.000	0.000	0.000	0.000	0.000	43.536
<i>Populus ciliata</i>		702	0.000	8.349	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.349
<i>Premna bengalensis</i>		705	0.000	9.542	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.542
<i>Pterospermum acerifolium</i>		725	0.000	0.000	0.000	0.000	0.000	130.012	0.000	0.000	0.000	0.000	130.012
<i>Randia uliginosa</i>		757	0.000	16.102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.102
<i>Sapium baccatum</i>		785	10.139	118.681	26.241	105.560	92.440	0.000	0.000	0.000	0.000	0.000	379.897
<i>Saurauia napaulensis</i>		791	15.506	19.084	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	34.590
<i>Schleichera trijuga</i>		795	1.193	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.193
<i>Semecarpus ancardium</i>		798	5.964	14.910	70.373	0.000	68.584	0.000	0.000	0.000	0.000	0.000	159.831
<i>Semecarpus kurzii</i>		799	2.385	20.873	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23.259
<i>Spondias acuminatus</i>		810	0.000	19.084	38.169	0.000	0.000	0.000	0.000	0.000	0.000	0.000	57.253
<i>Spondias pinnata</i>		812	11.928	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.928
<i>Spondias species</i>		813	38.169	48.904	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	87.072
<i>Sterculia foetida</i>		818	0.000	14.910	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.910
<i>Sterculia villosa</i>		821	184.879	48.904	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	233.783

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Sterculia villosa		822	18.488	35.783	0.000	44.729	0.000	0.000	0.000	0.000	0.000	0.000	99.000
Sterculia villosa		824	33.398	44.132	24.452	51.289	77.530	0.000	141.940	0.000	257.638	0.000	630.379
Sterculia villosa		839	3.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.578
Sterculia villosa		843	97.807	101.385	40.554	0.000	0.000	0.000	0.000	0.000	0.000	0.000	239.747
Syzygium species		850	175.337	193.229	99.596	100.193	83.494	109.138	0.000	0.000	0.000	0.000	760.987
Talauma hodgaonii		854	0.000	0.000	35.783	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.783
Talauma phellocarpa		855	0.000	0.000	26.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.241
Terminalia belerica		861	7.157	0.000	0.000	0.000	143.132	0.000	0.000	0.000	0.000	0.000	150.289
Terminalia myriocarpa		868	116.295	249.289	175.934	350.674	320.855	97.211	309.524	401.367	708.505	291.632	3021.286
Terminalia species		871	11.928	29.223	38.169	0.000	0.000	250.482	0.000	0.000	0.000	0.000	329.801
Trema orientalis		879	2.386	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.386
Trewia nudiflora		880	0.000	10.735	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.735
Vitex penduncularis		901	5.964	8.349	0.000	44.729	0.000	0.000	0.000	0.000	0.000	0.000	59.042
Zanthoxylum budrunga		924	3.578	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.578
Others		944	3099.413	2852.509	2637.811	1895.312	1171.897	577.897	1045.463	1223.186	0.000	0.000	14503.487
<b>TOTAL</b>			<b>7703.505</b>	<b>10358.611</b>	<b>8742.408</b>	<b>8350.583</b>	<b>6402.193</b>	<b>4123.406</b>	<b>2591.889</b>	<b>2672.401</b>	<b>1744.426</b>	<b>963.162</b>	<b>53652.584</b>

**District: West Siang  
Stratum: II (Reserved)**

**TABLE NO. 4.1.3**  
**VOLUME PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)**

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>	<b>Percent</b>
Albizia chinensis		044	0.119	0.210	0.941		1.335						2.605	1.735
Albizia lucida		047	0.080	0.256	0.551								0.887	0.591
Albizia species		051	0.037										0.037	0.025
Altinigia excelsa		060			1.180									
Amoora wallichii		064	0.047										0.047	0.031
Amoora species		065	0.410	1.588	4.494	0.946	1.670						9.108	6.068
Beilschmiedia roxburghiar		120											20.957	13.961
Boehmeria species		130	0.094										0.094	0.063
Callicarpa arborea		150	0.184	0.355									0.539	0.359
Callicarpa species		154				0.817							0.817	0.544
Canarium resiniferum		166	0.025					1.182					1.207	0.804
Castanopsis hystrix		191	0.445	1.976	0.622	1.722	1.182	1.913					7.860	5.236
Castanopsis species		194	1.263	4.146	2.990	2.217	4.225	5.677					20.518	13.669
Cinnamomum species		216	0.491	0.871	1.630	0.736							4.254	7.982
Dysoxylum binectariferum		304	0.161	0.803									0.964	0.642
Elaeocarpus species		320	0.176			1.084							1.260	0.839
Engelhardtia spicata		328	0.100	1.268	0.991									
Eugenia species		358	0.015	0.517									4.832	9.042
Eurya japonica		367	0.005	0.256									0.532	0.354
Ficus species		385	0.614	0.502	0.586								0.261	0.174
Hydnocarpus alpina		466	0.183	0.256	0.452	0.817								
Macaranga denticulata		546	0.094	0.281										
Macaranga indica		547	0.075										0.075	0.050
Mecaranga peltata		548			0.256								0.256	0.171
Machilus species		559	0.089	0.362	0.452								0.903	0.602
Mallotus philippensis		565			0.307	0.622							0.929	0.619
Mallotus species		566	0.160	0.281									0.441	0.294
Mangifera indica		569								0.817			0.817	0.544

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Mystica</i> species		630	0.327	0.188									0.515	0.343
<i>Sapium baccatum</i>		785			0.452								2.625	1.749
<i>Sauvouia nepaulensis</i>		791	0.037										0.037	0.025
<i>Spondias acuminatus</i>		810		0.281									0.281	0.187
<i>Sterculia foetida</i>		818	0.005										0.005	0.003
<i>Syzygium cuminii</i>		843	0.207	0.362		0.736							1.305	0.869
<i>Terminalia myriocarpa</i>		868	0.281										0.281	0.187
<i>Trema orientalis</i>		879	0.063										2.955	1.969
Others		944	3.129	5.838	4.814	4.571	1.389						26.194	17.450
<b>TOTAL</b>		8,635	21.441	20.922	15.454	10.983	17.624	11.058	10.798	21.761	11.431	150.107	100.000	
<b>DIAMETER CLASS %</b>		5,753	14.284	13.938	10.295	7.317	11.741	7.367	7.194	14.497	7.615	100.000		

**District: West Siang  
Stratum: II(Reserved)**

**TABLE NO. 4.2.3  
TOTAL VOLUME ( IN 000 M<sup>3</sup> ) BY SPECIES AND DIAMETER CLASSES( IN CM )**

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
<i>Albizia chinensis</i>		044	0.970	1.712	7.669	0.000	10.880	0.000	0.000	0.000	0.000	0.000	21.231
<i>Albizia lucida</i>		047	0.652	2.086	4.491	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.229
<i>Albizia species</i>		051	0.302	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.302
<i>Altinjia excelsa</i>		060	0.000	0.000	9.617	0.000	0.000	0.000	24.841	0.000	67.865	93.163	195.486
<i>Amoora wallichii</i>		064	0.383	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.383
<i>Amoora species</i>		065	3.342	12.942	36.626	7.710	13.611	0.000	0.000	0.000	0.000	0.000	74.230
<i>Beilschimiedia roxburghian</i> :		120	0.000	0.000	9.258	0.000	0.000	48.982	19.381	57.743	35.436	0.000	170.800
<i>Boehmeria species</i>		130	0.766	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.766
<i>callicarpa arborea</i>		150	1.500	2.893	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.393
<i>Callicarpa species</i>		154	0.000	0.000	0.000	6.659	0.000	0.000	0.000	0.000	0.000	0.000	6.659
<i>Canarium resiniferum</i>		166	0.204	0.000	0.000	0.000	9.633	0.000	0.000	0.000	0.000	0.000	9.837
<i>Castanopsis hystrix</i>		191	3.627	16.104	5.069	14.034	9.633	15.591	0.000	0.000	0.000	0.000	64.059
<i>Castanopsis species</i>		194	10.293	33.790	24.369	18.069	34.434	46.268	0.000	0.000	0.000	0.000	167.222
<i>Cinnamomum species</i>		216	4.002	7.099	13.285	5.998	0.000	0.000	0.000	34.670	0.000	0.000	65.053
<i>Dysoxylum binectariferum</i>		304	1.312	6.544	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.857
<i>Elaeocarpus species</i>		320	1.434	0.000	0.000	8.835	0.000	0.000	0.000	0.000	0.000	0.000	10.269
<i>Engelhardtia spicata</i>		328	0.815	10.334	0.000	8.077	0.000	15.086	0.000	0.000	39.381	0.000	73.692
<i>Eugenia species</i>		358	0.122	4.214	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.336
<i>Eurya japonica</i>		367	0.041	2.086	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.127
<i>Ficus species</i>		385	5.004	4.091	4.776	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.871
<i>Hydnocarpus alpina</i>		466	1.491	2.086	3.684	6.659	0.000	0.000	0.000	0.000	0.000	0.000	13.920
<i>Macaranga denticulata</i>		546	0.766	2.290	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.056
<i>Macaranga indica</i>		547	0.611	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.611

<b>Species</b>	<b>Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Mecaranga peltata		548	0.000	2.086	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.086
Machilus species		559	0.725	2.950	3.684	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.359
Mallotus philippensis		565	0.000	2.502	5.069	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.571
Mallotus species		566	1.304	2.290	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.594
Mangifera indica		569	0.000	0.000	0.000	6.659	0.000	0.000	0.000	0.000	0.000	0.000	6.659
Myristica species		630	2.665	1.532	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.197
Sapium baccatum		785	0.000	0.000	3.684	0.000	0.000	17.710	0.000	0.000	0.000	0.000	21.394
Sauvouia nepaulensis		791	0.302	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.302
Spondias acuminatus		810	0.000	2.290	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.290
Sterculia foetida		818	0.041	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041
Syzygium cumini		843	1.687	2.950	0.000	5.998	0.000	0.000	0.000	0.000	0.000	0.000	10.636
Terminalia muyriocarpa		868	0.000	2.290	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.290
Trema orientalis		879	0.513	0.000	0.000	0.000	0.000	0.000	23.570	0.000	0.000	0.000	24.083
Others		944	25.501	47.580	39.234	37.254	11.320	0.000	22.331	30.261	0.000	0.000	213.481
<b>TOTAL</b>			70.375	174.744	170.514	125.950	89.511	143.636	90.123	88.004	177.352	93.163	1223.372

TABLE NO. 4.1.4  
District: West Siang  
Stratum: (Unclassed),  $\pi$   
VOLUME PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Acer species		021											0.897	0.726
Acrocarpus fraxinifolius		022	0.001	0.084				0.396	0.501				0.289	0.234
Adina cordifolia		028	0.024	0.059	0.104								0.187	0.151
Adina sessilifolia		029	0.007										0.007	0.006
Ailanthus altissima		039	0.021										0.021	0.017
Albizia lebbek		046											1.020	0.825
Albizia lucida		047	0.066	0.028	0.214								0.308	0.249
Albizia species		051	0.210	0.498	0.189	0.528							1.425	1.153
Alnus nepalensis		053	0.032	0.098									0.130	0.105
Alistonia scholaris		057			0.131								1.193	0.965
Atingia excelsa		060	0.035	0.053									1.510	1.222
Amoora wallichii		064	0.024	0.160	0.203								0.387	0.313
Amoora species		065	0.124	0.174	0.074								0.675	0.546
Anthocephalus cadamba		074	0.073										0.073	0.059
Artocarpus chaplasha		089			0.091								0.091	0.074
Artocarpus lakoocha		093	0.058										0.058	0.047
Artocarpus species		094	0.012	0.079									0.091	0.074
Beilschimiedia roxburghiana		120	0.035	0.178									2.753	2.228
Betula alnoidea		126	0.181	0.550	0.579	0.162							1.472	1.191
Boehmeria species		130	0.030	0.063									0.093	0.075
Callicarpa arborea		150	0.391	0.127	0.110								0.628	0.508
Canarium resiniferum		166	0.014										2.753	2.228
Canarium species		168	0.015	0.031									0.778	0.630
Castanopsis hystric		191	0.012	0.048	0.146								0.615	0.498
Castanopsis indica		192	0.055	0.391	0.188								0.634	0.513
Castanopsis species		194	0.970	2.587	2.790	1.897	1.341	1.453	1.060				14.190	11.483
Cecrelia toona		198		0.094	0.079	0.138							0.311	0.252
Chukrasia vellutina		208	0.017	0.058									0.075	0.061
Chukrasia species		209	0.001										0.001	0.001
Cinnamomum cecidodaphne		213											0.097	0.078
Cinnamomum tamala		214	0.013	0.111									0.124	0.100
Cinnamomum species		216	0.435	0.251	0.666	0.331							2.369	1.917

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Dillenia pentagyna	278	0.019										0.019	0.015
Diospyros species	292			0.091								0.091	0.074
Dipterocarpus species	298					0.261						0.261	0.211
Drypetes lancifolia	302	0.082										0.082	0.066
Dysoxylum binectariferum	304	0.189	0.574	0.405	0.665	0.261						2.094	1.695
Dysoxylum hamiltonii	305	0.005	0.053	0.097								0.155	0.125
Elaeocarpus varunua	319			0.079								0.079	0.064
Elaeocarpus species	320	0.016	0.112		0.324	0.251						0.703	0.569
Engelhardtia spicata	328	0.082	0.321	0.292	0.170	0.474		0.488	0.732		0.928	3.487	2.822
Erythrina species	342	0.005	0.031									0.036	0.029
Eugenia cymosa	350	0.003										0.003	0.002
Eugenia formosa	352	0.179	0.068	0.171	0.146		0.337					0.901	0.729
Eugenia species	358	0.144	0.471	0.177			0.434					1.226	0.992
Eurya japonica	367	0.338	0.207									0.545	0.441
Evodia species	370		0.031									0.031	0.025
Ficus species	385	0.310	0.603	0.347		0.271						1.531	1.239
Hydnocarpus alpina	466	0.017		0.085								0.102	0.083
Hydnocarpus kurzii	467	0.019	0.053	0.110	0.373							0.555	0.449
Hymenodictyon excelsum	470	0.024										0.024	0.019
Kayea assamica	492	0.030										0.030	0.024
Kayea floribunda	493	0.003		0.091	0.162							0.256	0.207
Kydia calycina	501	0.055	0.162	0.252	0.800	0.303		0.546				2.118	1.714
Lannea coromandelica	509	0.017										0.017	0.014
Laportea crenulata	511							0.588				0.588	0.476
Litsaea species	541	0.017										0.017	0.014
Macaranga denticulata	546	0.090	0.253	0.207								0.550	0.445
Macaranga indica	547	0.393	0.492	0.110		0.251						1.246	1.008
Mecaranga peltata	548	0.112	0.117									0.229	0.185
Machilus species	559	0.162	0.273	0.313								0.748	0.605
Macropanax oreophilum	560	0.017	0.053	0.079								0.149	0.121
Magnolia species	562	0.158	0.035	0.117	0.170							0.480	0.388
Mallotus philippensis	565				0.496							0.496	0.401
Melia azadirachta	583	0.009										0.009	0.007
Michelia champaca	595		0.053	0.241			0.086					0.380	0.308
Michelia species	602	0.056	0.183	0.484	0.152							0.875	0.708
Miliusa tomentosa	605	0.005	0.068									0.073	0.059

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
<i>Morus laevigata</i>	617			0.074								0.074	0.060
<i>Myristica species</i>	630	0.035	0.035									0.070	0.057
<i>Ostodes paniculta</i>	652	0.100		0.085	0.204	0.251						0.640	0.518
<i>Phoebe cooperiana</i>	668			0.104								0.104	0.084
<i>Phoebe goalparensis</i>	669			0.074								0.074	0.060
<i>Phoebe species</i>	673	0.005										0.005	0.004
<i>Pinus roxburghii</i>	685	0.041	0.222	0.471	0.138							0.872	0.706
<i>Pinus species</i>	686					0.384	0.515					0.899	0.728
<i>Pyrus species</i>	737	0.039										0.039	0.032
<i>Rhododendron species</i>	765	0.019	0.058									0.077	0.062
<i>Sapindus emarginata</i>	782	0.005										0.005	0.004
<i>Sapium baccatum</i>	785		0.136	0.074		0.628						0.838	0.678
<i>Saurauia napaulensis</i>	791	0.374	0.094									0.468	0.379
<i>Spondias acuminatus</i>	810			0.170								0.170	0.138
<i>Spondias species</i>	813	0.018	0.134									0.152	0.123
<i>Sterculia foetida</i>	818		0.058									0.058	0.047
<i>Stereospermum personatum</i>	824	0.036		0.124	0.178	0.546					1.024	1.908	1.544
<i>Sympingtonia populea</i>	836			0.213								0.213	0.172
<i>Symplocos crataegoides</i>	838		0.053									0.053	0.043
<i>Symplocos laurina</i>	839	0.092	0.231	0.074								0.397	0.321
<i>Syzygium cumini</i>	843	0.159	0.028	0.243	0.348	0.261						1.039	0.841
<i>Syzygium species</i>	850	0.098	0.215	0.074								0.387	0.313
<i>Talauma hodgaoni</i>	854	0.014	0.099	0.074								0.187	0.151
<i>Terminalia belerica</i>	861			0.074								0.074	0.060
<i>Terminalia citrina</i>	865	0.015		0.110								0.125	0.101
<i>Terminalia myriocarpa</i>	868	0.051	0.127								1.343	1.521	1.231
<i>Terminalia species</i>	871		0.063									0.063	0.051
<i>Trema orientalis</i>	879	0.022									1.044	1.066	0.863
<i>Zanthoxylum budrunga</i>	924	0.032	0.048	0.097	0.170							0.347	0.281
<i>Others</i>	944	6.039	9.373	8.986	6.849	4.007	3.801	4.086	3.349	1.639	8.074	56.203	45.483
<b>TOTAL</b>		12.513	20.745	20.080	15.516	10.225	8.420	9.191	6.593	3.955	16.331	123.569	100.000
<b>DIAMETER CLASS %</b>		10.126	16.788	16.250	12.557	8.275	6.814	7.438	5.335	3.201	13.216	100.000	

TABLE NO. 4.2.4

District: West Siang  
Stratum: II<sub>1</sub> (Unclassed)

TOTAL VOLUME ( IN 000 M<sup>3</sup> ) BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Acer species	021	0.000	0.000	0.000	0.000	0.000	122.264	154.683	0.000	0.000	0.000	276.947
Acrocarpus fraxinifolius	022	0.309	25.935	0.000	62.985	0.000	0.000	0.000	0.000	0.000	0.000	89.228
Adina cordifolia	028	7.410	18.216	32.110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	57.736
Adina sessilifolia	029	2.161	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.161
Ailanthus altissima	039	6.484	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.484
Albizzia lebbek	046	0.000	0.000	0.000	62.985	251.938	0.000	0.000	0.000	0.000	0.000	314.923
Albizzia lucida	047	20.377	8.645	66.072	0.000	0.000	0.000	0.000	0.000	0.000	0.000	95.094
Albizzia species	051	64.837	153.757	58.353	163.019	0.000	0.000	0.000	0.000	0.000	0.000	439.966
Alnus nepalensis	053	9.880	30.257	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	40.137
Alstonia scholaris	057	0.000	0.000	40.446	0.000	0.000	0.000	146.347	181.544	0.000	0.000	368.336
Altinigia excelsa	060	10.806	16.364	0.000	0.000	0.000	0.000	0.000	186.484	252.556	0.000	466.209
Amoora wallichii	064	7.410	49.400	62.676	0.000	0.000	0.000	0.000	0.000	0.000	0.000	119.485
Amoora species	065	38.285	53.722	22.847	0.000	93.551	0.000	0.000	0.000	0.000	0.000	208.405
Anthocephalus cadamba	074	22.539	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.539
Artocarpus chaplasha	089	0.000	0.000	28.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.096
Artocarpus lakoocha	093	0.000	17.907	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.907
Articarpus species	094	3.705	0.000	24.391	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.096
Beilschimiedia roxburghiana	120	0.000	10.806	0.000	54.957	0.000	0.000	172.590	0.000	231.252	380.378	849.983
Betula alnoides	126	55.883	169.811	178.765	50.017	0.000	0.000	0.000	0.000	0.000	0.000	454.477
Boehmeria species	130	9.262	19.451	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.714
Callicarpa arborea	150	120.720	39.211	33.962	0.000	0.000	0.000	0.000	0.000	0.000	0.000	193.894
Canarium resiniferum	166	4.322	0.000	0.000	0.000	0.000	133.997	297.016	0.000	0.000	414.649	849.983
Canarium species	168	4.631	9.571	0.000	0.000	0.000	0.000	0.000	226.004	0.000	0.000	240.206
Castanopsis hystrix	191	3.705	14.820	0.000	45.077	0.000	126.278	0.000	0.000	0.000	0.000	189.880
Castanopsis indica	192	16.981	120.720	58.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000	195.746
Castanopsis species	194	299.486	798.731	861.407	585.695	414.031	448.611	327.273	0.000	231.252	414.649	4381.134
Cecrela toona	198	0.000	29.022	24.391	42.607	0.000	0.000	0.000	0.000	0.000	0.000	96.021
Chukrasia vellutina	208	5.249	17.907	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23.156
Chukrasia species	209	0.309	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.309
Cinnamomum cecidophyllum	213	0.000	0.000	29.949	0.000	0.000	0.000	0.000	0.000	0.000	0.000	29.949
Cinnamomum tamala	214	4.014	34.271	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	38.285
Cinnamomum species	216	134.305	77.496	205.626	102.196	0.000	211.801	0.000	0.000	0.000	0.000	731.424
Dillenia pentagyna	278	5.866	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.866

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Diospyros species	292	0.000	0.000	28.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.096
Dipterocarpus species	298	0.000	0.000	0.000	0.000	80.583	0.000	0.000	0.000	0.000	0.000	80.583
Drypetes lancifolia	302	25.317	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	25.317
Dysoxylum binectariferum	304	58.353	177.221	125.043	205.317	80.583	0.000	0.000	0.000	0.000	0.000	646.518
Dysoxylum hamiltonii	305	1.544	16.364	29.949	0.000	0.000	0.000	0.000	0.000	0.000	0.000	47.856
Elaeocarpus varunua	319	0.000	0.000	24.391	0.000	0.000	0.000	0.000	0.000	0.000	0.000	24.391
Elaeocarpus species	320	4.940	34.580	0.000	100.034	77.496	0.000	0.000	0.000	0.000	0.000	217.050
Engelhardtia spicata	328	25.317	99.108	90.154	52.487	146.347	0.000	150.669	226.004	0.000	286.518	1076.604
Erythrina species	342	1.544	9.571	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.115
Eugenia cymosa	350	0.926	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.926
Eugenia formosa	352	55.266	20.995	52.796	45.077	0.000	104.048	0.000	0.000	0.000	0.000	278.182
Eugenia species	358	44.460	145.420	54.648	0.000	0.000	133.997	0.000	0.000	0.000	0.000	378.525
Eurya japonica	367	104.357	63.911	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	168.268
Evodia species	370	0.000	9.571	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.571
Ficus species	385	95.712	186.175	107.136	0.000	83.671	0.000	0.000	0.000	0.000	0.000	472.693
Hydnocarpus alpina	466	5.249	0.000	26.244	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.492
Hydnocarpus kurzii	467	5.866	16.364	33.962	115.163	0.000	0.000	0.000	0.000	0.000	0.000	171.355
Hymenodictyon excelsum	470	7.410	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.410
Kayea assamica	492	9.262	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.262
Kayea floribunda	493	0.926	0.000	28.096	50.017	0.000	0.000	0.000	0.000	0.000	0.000	79.039
Kydia calycina	501	16.981	50.017	77.804	246.998	93.551	0.000	168.576	0.000	0.000	0.000	653.928
Lannea coromandelica	509	5.249	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.249
Laportea crenulata	511	0.000	0.000	0.000	0.000	0.000	0.000	0.000	181.544	0.000	0.000	181.544
Litsaea species	541	5.249	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.249
Macaranga denticulata	546	27.787	78.113	63.911	0.000	0.000	0.000	0.000	0.000	0.000	0.000	169.811
Macaranga indica	547	121.338	151.904	33.962	0.000	77.496	0.000	0.000	0.000	0.000	0.000	384.700
Mecaranga peltata	548	34.580	36.124	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	70.703
Machilus species	559	50.017	84.288	96.638	0.000	0.000	0.000	0.000	0.000	0.000	0.000	230.944
Macropanax oreophilum	560	5.249	16.364	24.391	0.000	0.000	0.000	0.000	0.000	0.000	0.000	46.003
Magnolia species	562	48.782	10.806	36.124	52.487	0.000	0.000	0.000	0.000	0.000	0.000	148.199
Mallotus philippinensis	565	0.000	0.000	0.000	153.139	0.000	0.000	0.000	0.000	0.000	0.000	153.139
Melia azadirachta	583	2.779	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.779
Michelia champaca	595	0.000	16.364	74.408	0.000	0.000	26.552	0.000	0.000	0.000	0.000	117.324
Michelia species	602	17.290	56.501	149.434	46.930	0.000	0.000	0.000	0.000	0.000	0.000	270.155
Miliusa tomentosa	605	1.544	20.995	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.539
Morus laevigata	617	0.000	0.000	22.847	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.847

<b>Species Name</b>	<b>Code</b>	<b>10-19</b>	<b>20-29</b>	<b>30-39</b>	<b>40-49</b>	<b>50-59</b>	<b>60-69</b>	<b>70-79</b>	<b>80-89</b>	<b>90-99</b>	<b>100+</b>	<b>Total</b>
Myristica species	630	10.806	10.806	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	21.612
Ostodes paniculta	652	30.875	0.000	26.244	62.985	77.496	0.000	0.000	0.000	0.000	0.000	197.599
Phoebe cooperiana	668	0.000	0.000	32.110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	32.110
Phoebe goalparensis	669	0.000	0.000	22.847	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.847
Phoebe species	673	1.544	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.544
Pinus roxburghii	685	12.659	68.542	145.420	42.607	0.000	0.000	0.000	0.000	0.000	0.000	269.228
Pinus species	686	0.000	0.000	0.000	0.000	0.000	118.559	159.005	0.000	0.000	0.000	277.564
Pyrus species	737	12.041	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.041
Rhododendron species	765	5.866	17.907	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23.774
Sapindus emarginata	782	1.544	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.544
Sapium baccatum	785	0.000	41.990	22.847	0.000	193.894	0.000	0.000	0.000	0.000	0.000	258.731
Sauraui napaulensis	791	115.472	29.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	144.494
Spondias acuminatus	810	0.000	0.000	0.000	52.487	0.000	0.000	0.000	0.000	0.000	0.000	52.487
Spondias species	813	5.557	41.372	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	46.930
Sterculia foetida	818	0.000	17.907	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.907
Stereospermum personatum	824	11.115	0.000	38.285	54.957	168.576	0.000	0.000	0.000	0.000	316.158	589.091
Symingtonia populnea	836	0.000	0.000	0.000	65.763	0.000	0.000	0.000	0.000	0.000	0.000	65.763
Symplocos crataegoides	838	0.000	16.364	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.364
Symplocos laurina	839	28.405	71.321	22.847	0.000	0.000	0.000	0.000	0.000	0.000	0.000	122.573
Syzygium cuminii	843	49.091	8.645	75.026	107.444	80.583	0.000	0.000	0.000	0.000	0.000	320.789
Syzygium species	850	30.257	66.381	22.847	0.000	0.000	0.000	0.000	0.000	0.000	0.000	119.485
Talauma hodgaoni	854	4.322	30.566	22.847	0.000	0.000	0.000	0.000	0.000	0.000	0.000	57.736
Terminalia belerica	861	0.000	0.000	22.847	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22.847
Terminalia citrina	865	4.631	0.000	33.962	0.000	0.000	0.000	0.000	0.000	0.000	0.000	38.594
Terminalia mucriocarpa	868	15.746	39.211	0.000	0.000	0.000	0.000	0.000	0.000	0.000	414.649	469.606
Terminalia species	871	0.000	19.451	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	19.451
Trema orientalis	879	6.792	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	322.333	329.125
Zanthoxylum budrunga	924	9.880	14.820	29.949	52.487	0.000	0.000	0.000	0.000	0.000	0.000	107.136
Others	944	1864.529	2893.895	2774.410	2114.615	1237.153	1173.551	1261.544	1033.997	506.038	2492.831	17352.564
<b>TOTAL</b>		<b>3863.364</b>	<b>6404.977</b>	<b>6199.660</b>	<b>4790.534</b>	<b>3156.948</b>	<b>2599.658</b>	<b>2837.703</b>	<b>2035.576</b>	<b>1221.098</b>	<b>5042.164</b>	<b>38151.682</b>

TABLE NO. 4.1.5

District: West Siang  
Stratum: III (Unclassed)

## VOLUME PER HECTARE BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species	Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Abies pindrow		001	0.038	0.102	0.510	0.360	0.732		1.452	3.548	1.990		8.732	9.564
Albizia lebbek		046						0.653					0.653	0.715
Albizia lucida		047	0.075	0.114	0.236								0.425	0.465
Albizia procera		050	0.002										0.002	0.002
Albizia species		051				0.379							0.379	0.415
Alnus nepalensis		053	0.169	0.144									0.313	0.343
Altingia excelsa		060	0.012						1.690				1.702	1.864
Betula alnoides		126	0.018				0.935						0.953	1.044
Castanopsis hystrix		191	0.064										0.064	0.070
Castanopsis indica		192	0.101	0.184		0.463					6.693		7.441	8.150
Castanopsis species		194	0.183	0.369		0.507							1.059	1.160
Cinnamomum tamala		214			0.206								0.206	0.226
Cinnamomum species		216	0.087	0.092		0.399							0.578	0.633
Citrus hystrix		217				0.485							0.485	0.531
Cordia dichotoma		232	0.087		0.777								0.864	0.946
Dysoxylum binectariferum		304		0.150		0.971					2.714		3.835	4.200
Engelhardtia spicata		328				0.554							0.554	0.607
Eurya japonica		367	0.101	0.082									0.183	0.200
Ficus species		385	0.132	0.868	0.575	0.463							2.038	2.232
Gyrocarpus odorata		438	0.030										0.030	0.033
Hydnocarpus alpina		466	0.192	0.277									0.469	0.514
Hydnocarpus kurzii		467	0.177										0.177	0.194
Litsaea species		541	0.038										0.038	0.042

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	Percent
Machilus species	559	0.192	0.246	0.191	0.840							1.469	1.609
Morus laevigata	617							1.232				1.232	1.349
Pinus roxburghii	685	0.269	1.130	0.937	0.862		1.965		1.690			6.853	7.506
Pyrus species	737	0.368	0.194									0.562	0.616
Quercus lanuginosa	746	0.274	0.072	0.846	0.840							2.032	2.226
Rhododendron species	765	0.731	0.712	1.653	0.463			1.452				5.011	5.488
Sapium eugeniafolium	786	0.007										0.007	0.008
Sloanea dasycarpa	806							1.232				1.232	1.349
Trema orientalis	879	0.052										0.052	0.057
Vitex altissima	898	0.063										0.063	0.069
Others	944	2.771	3.684	5.029	7.247	2.822	3.930	4.172	4.910	4.117	2.926	41.608	45.572
<b>TOTAL</b>		<b>6.233</b>	<b>8.420</b>	<b>10.960</b>	<b>14.833</b>	<b>4.207</b>	<b>6.830</b>	<b>9.540</b>	<b>11.838</b>	<b>6.107</b>	<b>12.333</b>	<b>91.301</b>	<b>100.000</b>
<b>DIAMETER CLASS %</b>		<b>6.827</b>	<b>9.222</b>	<b>12.004</b>	<b>16.246</b>	<b>4.608</b>	<b>7.481</b>	<b>10.449</b>	<b>12.966</b>	<b>6.689</b>	<b>13.508</b>	<b>100.000</b>	

TABLE NO. 4.2.5

District: West Siang  
Stratum: III (Unclassed)

TOTAL VOLUME ( IN 000 M<sup>3</sup> ) BY SPECIES AND DIAMETER CLASSES (IN CM.)

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Abies pindrow	001	4.512	12.112	60.562	42.750	86.924	0.000	172.424	421.321	236.311	0.000	1036.916
Albizia lebbek	046	0.000	0.000	0.000	0.000	77.543	0.000	0.000	0.000	0.000	0.000	77.543
Albizia lucida	047	8.906	13.537	28.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	50.468
Albizia procera	050	0.237	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.237
Albizia species	051	0.000	0.000	0.000	45.006	0.000	0.000	0.000	0.000	0.000	0.000	45.006
Alnus nepalensis	053	20.069	17.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	37.168
Altinigia excelsa	060	1.425	0.000	0.000	0.000	0.000	0.000	0.000	200.686	0.000	0.000	202.111
Betula alnoides	126	2.137	0.000	0.000	0.000	0.000	111.030	0.000	0.000	0.000	0.000	113.168
Castanopsis hystrix	191	7.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.600
Castanopsis indica	192	11.994	21.850	0.000	54.981	0.000	0.000	0.000	0.000	0.000	794.787	883.611
Castanopsis species	194	21.731	43.818	0.000	60.206	0.000	0.000	0.000	0.000	0.000	0.000	125.755
Cinnamomum tamala	214	0.000	0.000	24.462	0.000	0.000	0.000	0.000	0.000	0.000	0.000	24.462
Cinnamomum species	216	10.331	10.925	0.000	47.381	0.000	0.000	0.000	0.000	0.000	0.000	68.637
Citrus hystrix	217	0.000	0.000	0.000	57.593	0.000	0.000	0.000	0.000	0.000	0.000	57.593
Cordia dichotoma	232	10.331	0.000	92.268	0.000	0.000	0.000	0.000	0.000	0.000	0.000	102.599
Dysoxylum binectariferum	304	0.000	17.812	0.000	115.305	0.000	0.000	0.000	0.000	0.000	322.285	455.402
Engelhardtia spicata	328	0.000	0.000	0.000	65.787	0.000	0.000	0.000	0.000	0.000	0.000	65.787
Eurya japonica	367	11.994	9.737	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	21.731
Ficus species	385	15.675	103.074	68.281	54.981	0.000	0.000	0.000	0.000	0.000	0.000	242.010
Gyrocarpus odorata	438	3.562	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.562
Hydnocarpus alpina	466	22.800	32.893	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	55.693
Hydnocarpus kurzii	467	21.019	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	21.019
Litsaea species	541	4.512	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.512
Machilus species	559	22.800	29.212	22.681	99.749	0.000	0.000	0.000	0.000	0.000	0.000	174.442

Species Name	Code	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total
Morus laevigata	617	0.000	0.000	0.000	0.000	0.000	0.000	146.299	0.000	0.000	0.000	146.299
Pinus roxburghii	685	31.943	134.186	111.268	102.362	0.000	233.342	0.000	200.686	0.000	0.000	813.787
Pyrus species	737	43.700	23.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	66.737
Quercus lanuginosa	746	32.537	8.550	100.462	99.749	0.000	0.000	0.000	0.000	0.000	0.000	241.298
Rhododendron species	765	86.806	84.549	196.292	54.981	0.000	0.000	172.424	0.000	0.000	0.000	595.051
Sapium eugeniaefolium	786	0.831	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.831
Sloanea dasycarpa	806	0.000	0.000	0.000	0.000	0.000	0.000	146.299	0.000	0.000	0.000	146.299
Trema orientalis	879	6.175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.175
Vitex altissima	898	7.481	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.481
Others	944	329.053	437.471	597.189	860.574	335.110	466.684	495.421	583.058	488.890	347.460	4940.908
<b>TOTAL</b>		<b>740.163</b>	<b>999.867</b>	<b>1301.489</b>	<b>1761.404</b>	<b>499.577</b>	<b>811.056</b>	<b>1132.865</b>	<b>1405.751</b>	<b>725.200</b>	<b>1464.531</b>	<b>10841.902</b>

TABLE NO. 5.1.2

## DISTRIBUTION OF BAMBOO BY SPECIES

District: West Siang

<b>Species Name</b>	<b>Code</b>	<b>Per ha.</b>	<b>Total (000No.)</b>	<b>Percent</b>
Bambusa tulda	956	292.240	306472.088	31.309
Bambusa species	958	191.110	200417.057	20.474
Dendroncalamus hamiltonii	959	257.620	270166.094	27.600
Unidentified bamboos	975	192.450	201822.315	20.618
<b>TOTAL</b>		<b>933.420</b>	<b>978877.554</b>	<b>100.000</b>