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GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT AND FORESTS

REPORT
ON
INVENTORY OF FOREST RESOURCES
OF
MYSORE DISTRICT
(KARNATAKA)

FOREST SURVEY OF INDIA
SOUTHERN ZONE
BANGALORE
1995

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P R E F A C E

The inventory of forest resources of Mysore District was taken up during 1991-93 by the Forest Survey of India, Southern Zone, Bangalore. The report highlights the details regarding area inventoried, methodology adopted, processing of the data and findings with regard to the forest resources of the district.

The net forest area of Mysore District is 3,730.59 sq.kms. out of which tree forest area is 3,498.06 sq.kms. Of the net forest area, 65.85% is covered with dense and moderately dense forest and 687.48 sq.kms. is having open forest. To the extent of 95.09% of the crop composition is miscellaneous. The forest of the district has good representation of all the size classes containing 36.71% pole crop, 24.28% small timber, 10.4% big timber, 17.92% mixed size class and 10.69% is regeneration crop. Regeneration is inadequate. The total number of stems of all the species in the forest area is about 58.22 millions which works out to an average of 166.45 stems/ha. The total standing volume in the tree forest area is about 18.86 million cubic metres, which works out to be 53.92 cubic metres per hectare. The growing stock is dominated by three species namely Anogeissus latifolia (17.3%), Tectona grandis (13.47%) and Terminalia crenulata (12.11%). The bamboo forest of the district has the potential of producing 30,370 tonnes of bamboo each year. A large portion of bamboo stock (about 28.9%) consists of partially dry and damaged culms underlyning the need for more intensive management of bamboo.

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The inventory work was carried out by the field staff of the Forest Survey of India, Southern Zone, Bangalore under the supervision of Shri M. Muni Reddy, Joint Director, and Shri Devendra Kumar, Deputy Director. The field parties were led by Shri K.S. Reddy, Jr. Technical Assistant, Shri G.S. Trivedi, Jr. Technical Assistant and Shri S. Sampath, Jr. Technical Assistant and the data processing was done by Shri Madugani Omprakash Sr. Technical Assistant and Shri S. Sampath, Jr. Technical Assistant in PC AT 286 using the software developed by Southern Zone, Bangalore. The cooperation and help rendered by the Karnataka Forest Department at every stage is highly appreciated and thankfully acknowledged.

It is hoped that the report will be useful for foresters in planning developmental programmes in forestry sector at different levels.

Dated: 11th January, 1995.

Dr.S.N. Rai
Director
Forest Survey of India
Dehradun-248 195

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SUMMARY

This report deals with the inventory of forest resources of Mysore District carried out by Forest Survey of India, Southern .Zone, Bangalore from 1991 to 1993.

It includes the details of the area inventoried, methodology of data collection and its processing and analysis of the results. The salient features of the survey can be summarised below:

a) Net forest area is 3730.59 km^2 and tree forest area is 3498.06 km^2, 65.85 % of the net forest area is covered with dense and moderately dense forest. 798.69 km^2. area is having dense tree forest and 1658.04 km^2. is containing moderately dense tree forests. 687.48 km^2. area is having open forest.

b) The forest has been categorised into three strata, namely Teak, Bamboo and Miscellaneous and the latter forms 95.09% of the crop composition.

61.26% of the area is having medium to deep soil and 38.73% of the area is covered with shallow to very shallow soil.

d) 45% of the area is devoid of humus layer.

e) 95.09% of the area containing natural forest of seed origin. 4.62% of area is covered with man made forest.

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f) The tree forest has good representation of all the size classes. It contains 36.71% pole crop, 24.28% small timber, 10.40% big timber, 17.92% mixed size class and 10.69% regeneration crop.

g) Regeneration is absent in 20.52% of the area and is inadequate in 63.58% of the area.

h) The total number of stems of all species in tree forest area is 5,82,23,490 which works out to an average of 166.45 stems/ha.

i) The total standing volume in the tree forest area is 1,88,60,869 m^3 which works out to be 53.920 m^3/ha. About 43% of the growing stock is comprised of three species namely Anogeissus latifolia (17.3%), Tectona grandis (13.47%) and Terminalia crenulata (12.11%).

j) The total green bamboo stock in the district is 1,37,844 tonnes. The average green bamboo stock works out to 1.39 tonnes per hectare.

k) The bamboo forest in the district have a potential of producing 30,370 tonnes every year.

l) A large portion of green bamboo stock (about 28.9%) consists of dry and damaged culms, underlining the need for more intensive management of bamboo growing stock.

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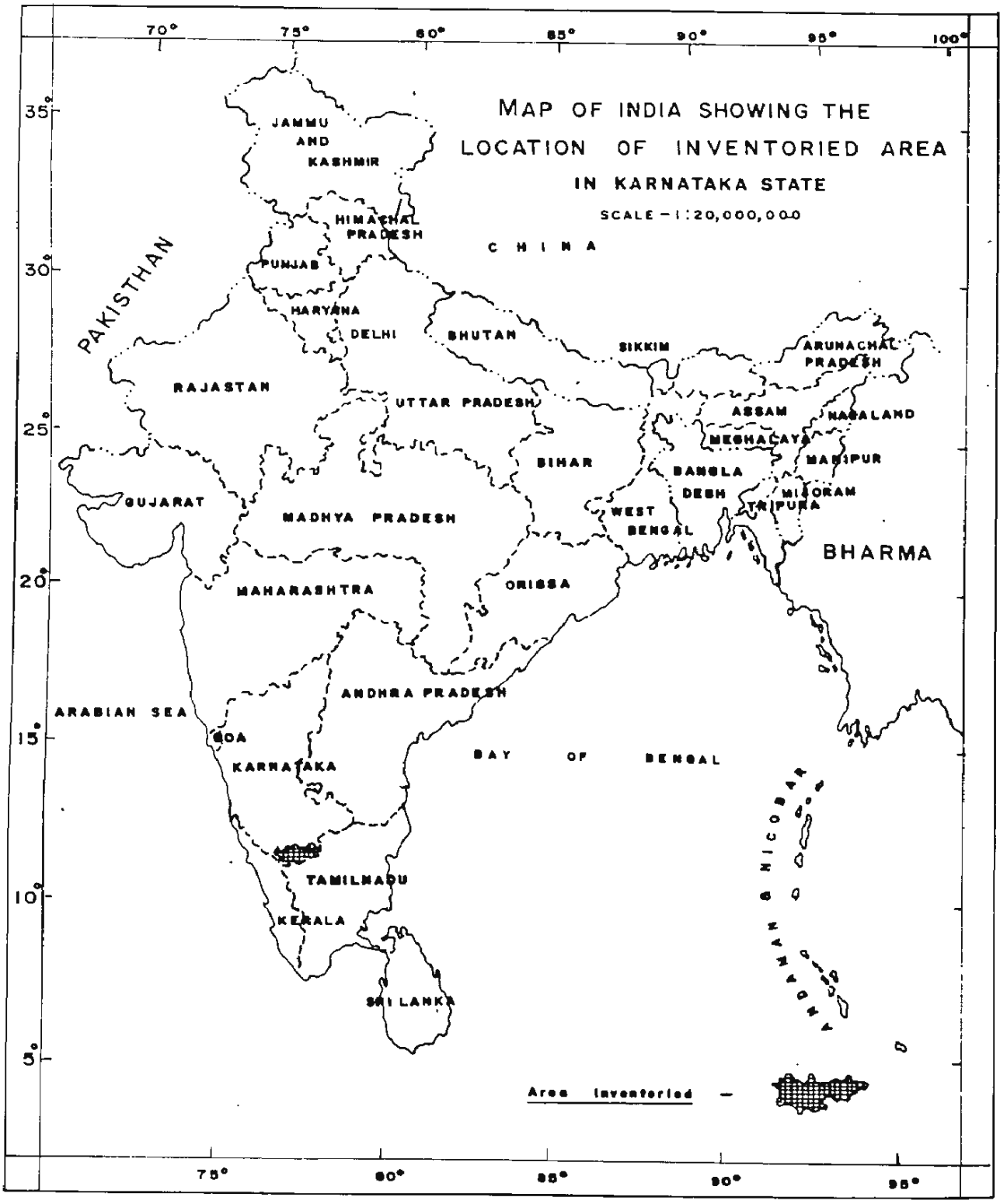
MAP OF INDIA SHOWING THE
LOCATION OF INVENTORIED AREA
IN KARNATAKA STATE
SCALE – 1:20,000,000
JAMMU AND KASHMIR
HIMACHAL PRADESH
PUNJAB
HARYANA
DELHI
RAJASTAN
UTTAR PRADESH
BIHAR
SIKKIM
BHUTAN
ARUNACHAL PRADESH
ASSAM
NAGALAND
MEGHALAYA
MANIPUR
BANGLA DESH
MIZORAM
TRIPURA
WEST BENGAL
GUJARAT
MADHYA PRADESH
MAHARASHTRA
ORISSA
ANDHRA PRADESH
GOA
KARNATAKA
TAMILNADU
KERALA
SRI LANKA
ARABIAN SEA
BAY OF BENGAL
CHINA
PAKISTHAN
BHARMA
ANDAMAN & NICOBAR
Area Inventoried
70°
75°
80°
85°
90°
95°
100°
35°
30°
25°
20°
15°
10°
5°

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CHAPTER - I

BACK GROUND INFORMATION

1.0 The evaluation of forest resources both qualitatively and quantitatively is the essence of the forest inventory. The main objective of the forest inventory work is to collect qualitative and quantitative information on forest resources within optimum precision limits so that the data are useful in State and National level planning. The inventory taken up by the Forest Survey of India comes under the category of National Forest Inventories which require general estimate of all the elements of a forest inventory including the charasteristics of the trees, land on which they grow, estimation of growing stock and estimate of growth and drain. All these details are necessary for effective resource management of our forest wealth.

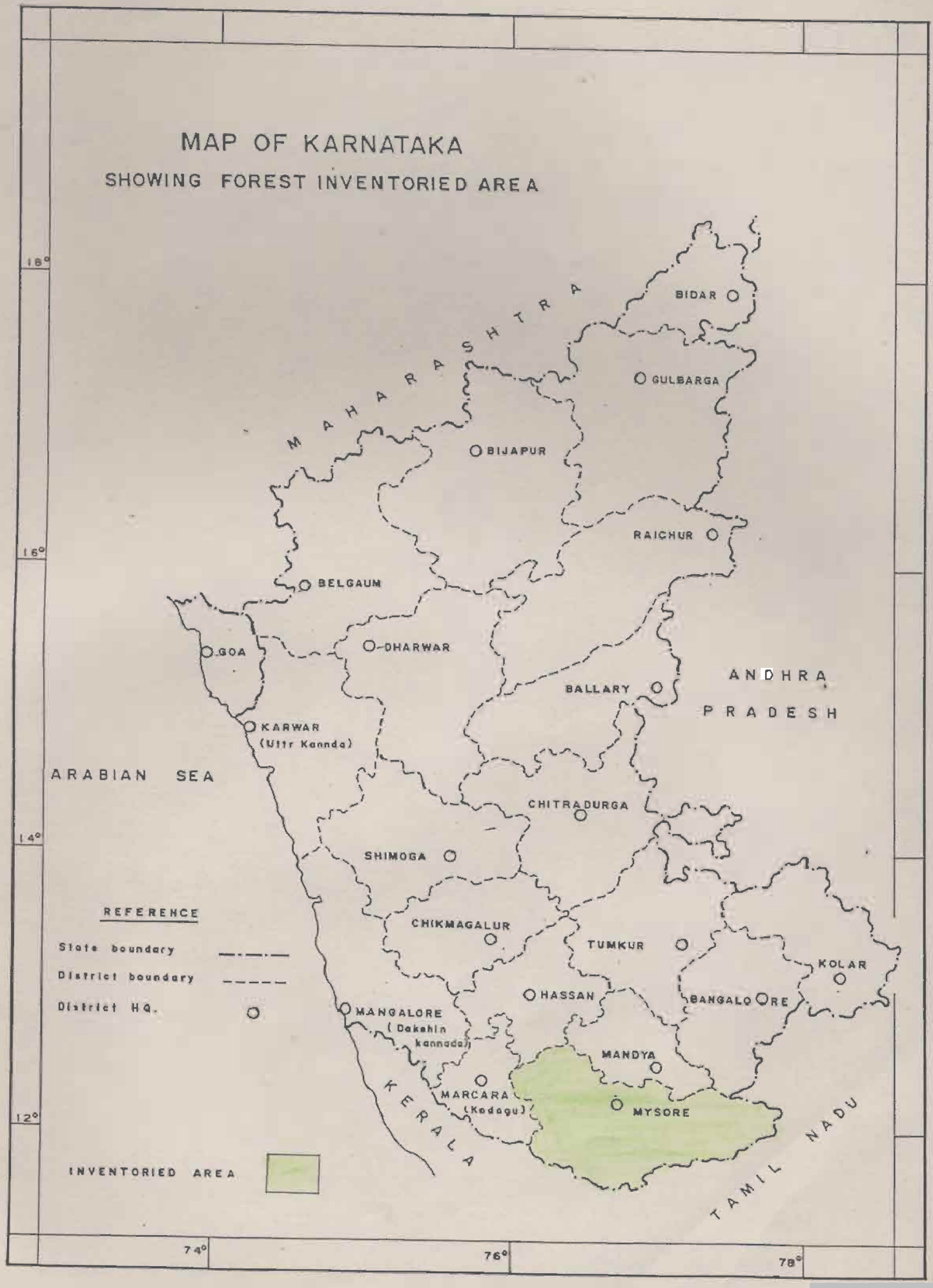
The inventory of the forest of Mysore District was undertaken by the Forest Survey of India, Southern Zone, Bangalore during the year 1991-1993. The field work was started in December, 1991 and was completed in March, 1993. The design followed in the survey is Systematic Cluster Sampling selected in a random manner.

LOCATION:

The survey area consists of entire Mysore district lying between 11°30' and 12°50' North latitudes and 75°45' and 77°45' East longitudes. It is situated in the Southern part of Decan Peninsula and forms the Southern most part of the Karnataka State. It consists of 11 Taluks and

MAP OF KARNATAKA

SHOWING FOREST INVENTORIED AREA



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5 Forest Divisions namely Mysore, Kollegal, Chamrajnagar and Hunsur (part) and Bandipur Tiger Project area. It is bounded on the North by Hassan and Mandya Districts, on South by Cannanore District of Kerala State and Udhagamandalam (Nilgiri) District of Tamilnadu, on the East by Salem and Coimbatore District of Tamilandu and the west by Kodagu district of Karnataka.

1.2 PHYSICAL FEATURES:

Physiographically the region in which the district is situated may be classified as partly maidan and partly semimalnad. The ground is generally undulating and the land of the district forms an undulating table land with granite rocks protruding at odd intervals. The principal range of hills are the Biligirirangana betta in Yelandur Taluk and the Male Mahadheshwar hill in Kollegal Taluk; the former rising to a height of 5090 feet (1697 metres) above the sea level.

The extreme South forms a terrain of dense forests and the major portion of the land here is uniformly covered by red loamy soil. The Western Taluks are bounded by the lofty mountain ranges of the Western Ghats. The main forest area are located in the Southern and South-Western Taluks of Kollegal, Yelandur, Chamrajnagar, Gundulpet and Heggadadevan Kote, Periyapatna and Hunsur.

The drainage is towards East and comprises mainly the Cauvery river basin besides those of Kabini, Lakshmanthirtha and Suvarna Kote which are tributaries of Cauvery.

The Mysore District is endowed with rich wild life which is very clear from the fact that it supports two National Parks i.e. Nagarahole and

Bandipur Tiger Reserve and Six Sanctuaries viz. Cauvery Wildlife Sanctuary, B.R.T. Hills Sanctuary, Ranganethitoo Sanctuary, Nugu Wildlife Sanctuary and Aravithittu Sanctuary. The total extent of area under these National Parks & Sanctuaries are approximately 2250 square kilometres.

The major fauna that is abundant in the National Parks and Sanctuaries are Elephants, Bisons, Tigers and Panthers. Apart from this Ranganathitoo Bird Sanctuary attracts huge number of rare bird species and becomes an major attraction for the tourists coming to Mysore.

1.3 FORESTS:

The forests of the district is mixed and fall under the broad classification of South Indian Tropical Forest of Deciduous types. Evergreen type is also noticed in the Eastern portion of the District. As per Champion & Seth's classification, the forest of the district falls under the following categories of forest types.

1. Southern Tropical Evergreen Forests (1A/C_3).
2. South Indian Tropical Moist Deciduous Forests(3B/C_2).
3. Southern Tropical Dry Deciduous Forests (5A/C_2).
4. The Scrub Forest (5B/DS_1 - Dry Deciduous Scrub Champion & Seth).

The higher elevation of Kollegal Range near Bellaje are characterised by the existence of Evergreen Type of Forests. The forests mainly occur in the valleys of these high hills and are surrounded by grass lands forming almost the 'shola' type of vegetation. The species commonly met are- Artocarpus hirsuta, Artocarpus integrifolia, Bischofia

javanica, Canarium strictum, Cinnamomum species, Aglaia roxburghiana, Elaeodendron glaucum, Evodia roxburghiana, Garuga pinnata, Lingustrum species, Mecaranga roxburghii, Litsea lingustrina, Mangifera indica, Machilus macrantha, Mesua ferrae, Michelia champaca, Nephelium longana, Odina wodier, Olea glandulifera, Palaquium ellipticum, Polyalthia species and Vitex altissima.

Moist deciduous forest is common in Western and Southern region of the district. The forests towards the Western side are more moist and are typical of the moist type. The chief species that are found are - Tectona grandis, Dalbergia latifolia, Lagerstroemia lanceolata, Terminalia tomentosa, Pterocarpus marsupium, Anogeissus latifolia, Grewia latifolia, Terminalia paniculata, Mangifera indica, Cassia fistula, Albizzia lebbek, Albizzia odoratissima, Shorea talura.

Both types of common bamboo viz. Bambusa arundinacea and Dendrocalamus strictus occur as under storey.

The common undergrowth is characterised by the presence of Helicteres isora, Lantana camera and Pterolobium indicum, Eupatorium species.

Dry Deciduous type is characterised by poor site quality with shallow hard soil, relatively low rainfall and stunted growth of trees with open canopy. A fair good proportion of the total forest areas of the Mysore District falls in this type only. Main species found under this type are - Santalum album, Tectona grandis, Anogeissus latifolia, Pterocarpus marsupium, Dalbergia latifolia, Grewia tiliaefolia, Albizzia lebbek, Albizzia amara, Acacia leucophloea, Acacia sundra, Dalbergia

paniculata, Terminalia belerica, Schleichera oleosa, Shorea talura, Hardwickia binata, Chloroxylon swietenia, Gyrocarpous species, Bauhinia racemosa, Diospyros montana, Diospyros melanoxylon, Zyzyphus xylopyra.

Thorny scrub type exists in the low lying areas of the hills on the Kollegal plateau, Heggadadevana Kote, Punjus and Chamrajnagar and Hunsur Range. It is associated with poor rainfall and impoverished soil devoid of humus. Good size trees are very few and occasionally found. The trees have very poor growth and are bushy in nature due to heavy grazing, browsing, repeated fires and indiscriminate cutting by men. The vegetation comprises of species like Shorea talura, Santalum album, Terminalia chebula, Anogeissus latifolia, Azadirachta indica, Albizzia lebbek, Chloroxylon swietenia, Acacia leucophloea, Acacia catechu, Acacia sundra, Steriospermum chelenoides, Boswellia serrata, Diospyros melanoxylon, Dalbergia paniculata, Dalbergia latifolia, Dendrocalamus strictus, Pterocarpus marsupium, Terminalia belerica, Zyzyphus xylopyra.

1.4 CLIMATE & RAINFALL:

The climate of the district is moderate throughout the year. The temperature from November to February ranges from 16.7°C to 31.3°C while that in Summer (March to April) ranges from 19.7°C to 35.1°C. The Rainy Season is from June to October. There is extreme variation in the rainfall from locality to locality. The average rainfall varies from 1200 mm. in the Western region to 690 mm. in the Eastern region. The average rainfall for the whole district comes to 900 mm. approximately. The portion of Chamrajnagar and Kollegal Division receives rainfall both from South West monsoon and North East Monsoon. The South West monsoon precipitation is heavy and continuous and North East monsoon is lighter and intermittent in the areas of Kakanakote, Begur and Aini Marigudi Ranges in Chamrajnagar Forest Division. In Kollegal Forest Divisioin

South West Monsoon does not precipitate considerably.

1.5 AREA & POPULATION:

As per 1991 Census the total area of the district is 11954 sq.km. with a total population of 31,65018. 70.3% of the inhabitants of the district live in rural areas. It has density of popoulation of 265 per sq.km. It has decennial growth rate of population as 21.57%, Sex ratio 953 (Rural 958, Urban 943), literacy 40%. The proportion of main workers to total population is 37.44% out of which 33.74% are cultivators, 27.89% are agricultural labourers, 2.82% are workers in household industry and 31.55% are other workers.

1.6 LAND USE PATTERN:

The following table shows the land use pattern in Mysore District:

S.No.	Land use	Area in km^2.	% of total land use.
1.	Geographical area (according to village papers).	12,460	100%
2.	Forest area	3,380	27%
	LAND NOT AVAILABLE FOR CULTIVATION		
3.	Land put to non agricultural uses	860	7%
4.	Barren and uncultivable land	670	5%
	OTHER UNCULTIVATED LAND EXCLUDING FALLOW LAND.		
5.	Permanent pasture and other grazing lands.	920	7%
6.	Land under miscellaneous free crops and groves not included in the net area.	110	1%
7.	Cultivable waste	340	3%
8.	Fallow lands	1,370	11%
9.	Net area sown	4,810	39%
	Total	12,460	100%

Source : Statistical abstract of Karnataka, 1991-92.

1.7 OTHER SOCIO- ECONOMIC CONDITIONS:

The per capita land availability for cultivation in this district is 0.49 ha. Majority of the land holdings fall under small (1-2 ha.) and marginal (below 1 ha.) categories.

Rice and Ragi are the most important food-grains produced in the district. It ranks third among rice producing districts of the State. It accounted for 10.3% of the total rice out put in the State and 10.9% of Ragi production of the State during 1991-92.

This district is known for mulberry cultivation and production of silk. Mysore silk sarees is famous item of production. Silk weaving factory is also located in the district. There are practically no mineral based industries in the district. However, the M.M.Hills in Kollegal Taluka is famous for Black Granite of export quality. The Government Company, Mysore Minerals are extracting granites from this locality apart from private enterpreneuers. The district is cent percent electrified. As per 1991 Census, 40% of the population of the district is literate,(30.2% of the rural people and 63.5% of the urban people comes under literate category).

The district being the third richest district in the forest wealth in the State, the forest provides raw material for industries like paper, rayon, sawmills, safety matches, sandal wood oil and agarbatti factories located in and around the district.

CHAPTER - II

DESIGN & METHODOLOGY OF THE SURVEY

2.0 The toposheets prepared by Survey of India is taken as base map for carrying out inventory work. The scale of the map used was 1:50,000. In these maps the extent of forest areas was shown in green colour. The toposheet of the above scale was divided into 36 grids of 2'1/2' x 2 '1/2' intervals which forms our basic sampling units. Data was collected from the two plots of 0.1 ha. falling in each grid only in forest areas. Thus, the sampling design adopted was a CLUSTER SAMPLING, in which grids have been taken as cluster. Actually the sampling design was cluster sampling of unequal size because of the fact that in many grids only one plot was laid out.

2.1 FOREST AREA DEFINED:

The following categories of lands were treated as FOREST AREA for the purpose of the forest inventory:

i) All those areas shown in green wash on Survey of India toposheets.

ii) All such areas in which words such as thick jungle, thick forest, dense jungle, open forest with bamboo etc. are mentioned.

iii) All those areas indicated by dotted line or spotted line or a pillar line as FOREST AREA.

iv) Any other area reported to be forest area by local Divisional Forest Officers.

2.2 SAMPLING DESIGN:

After dividing the toposheet of 1:50,000 scale into 36 grids of 2'1/2' x 2'1/2' each, the length 'X' and width 'Y' of each grid was measaured to the smallest convenient scale. The length (d) of the side of the plot on the map corresponding to 0.1 ha. of square plot in the ground was calculated. After substracting the side 'd' from length and width of the grid, the number X' = (X-d) and Y' = (Y-d) was obtained. From the random table, two numbers in the range of 0 to X' and 0 to Y' were selected. Let it be P_1 and P_2. To these numbers half of the plot side (d/2) was added to get x and y co-ordinates of the first plot centre considering left hand bottom (S-W) corners of the grid as the origin. To get the centre of the second plot in the same grid, the centre of the first plot was joined with grid centre and is extended in the opposite direction upto the distance equal to distance between the grid centre and the first plot centre. This point became the centre of the second plot.

Qualitative and quantitative data were collected from the sample plots falling in the forest areas only. The data regarding terrain, soil, tree canopy and bamboo etc. were collected. Qualitative data sauch as forest types were collected by obtaining 2 ha. area surrounding the plot centre.

2.3 METHODOLOGY:

The field data was collected by three field parties each headed

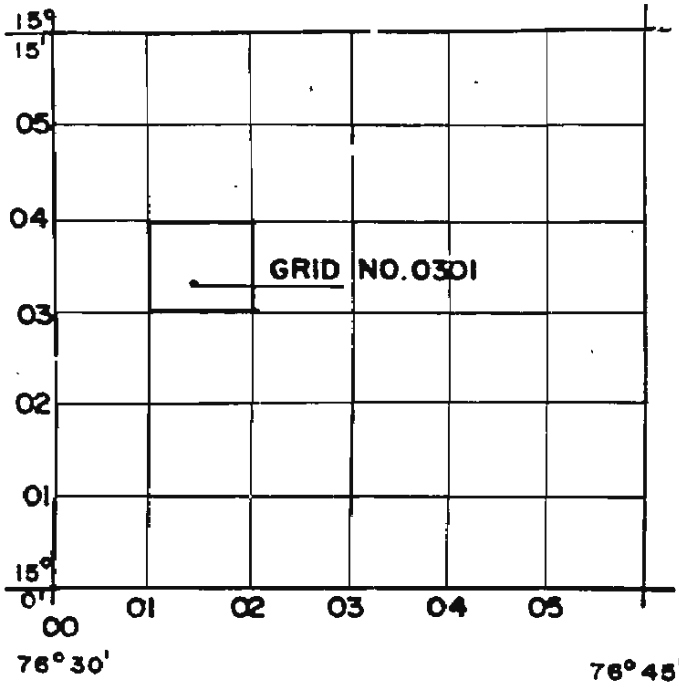
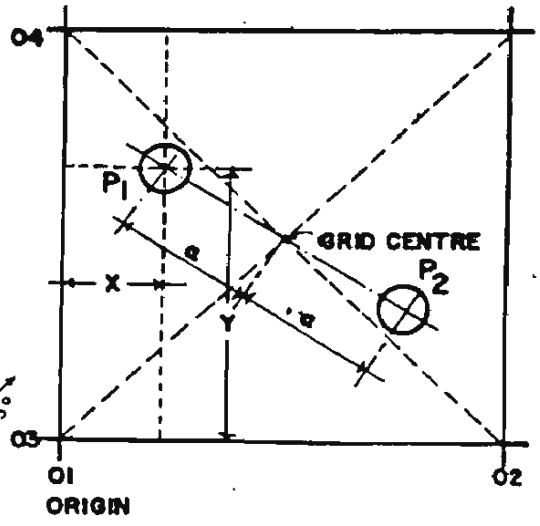


DIAGRAM-1
DIAGRAM SHOWING IDENTIFICATION OF GRIDS ON 1:50,000 OR 1:63,360 SCALE TOPOSHEETS

DIAGRAM-2
DIAGRAM SHOWING MARKING OF PLOT IN 2 1/2'X 2 1/2' GRID

'X' & 'Y' ARE THE DISTANCES ALONG 'X' & 'Y' AXES WITH SW CORNER AS THE ORIGIN



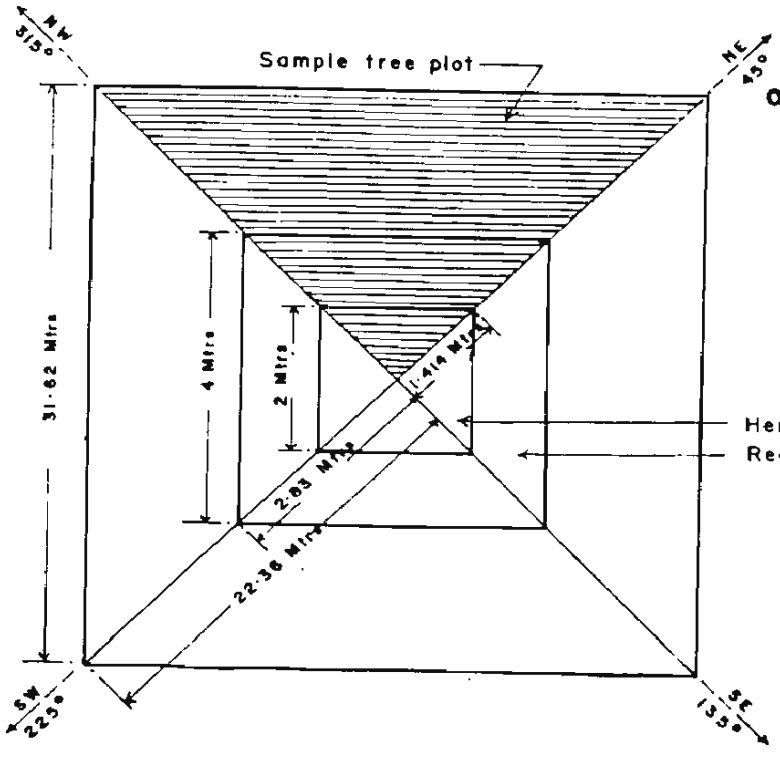


DIAGRAM-3
DIAGRAM SHOWING LAY-OUT OF PLOT

by Junior Technical Assistant who worked as Crew Leader. The crew leader was assisted by two fieldmen. The services of camp khalasai and unskilled labourers engaged locally on Muster Roll were also utilised. The crew leader was provided with camp equipments, a set of toposheets and instruments used in survey work such as silva compass, blumeleiss hypsometer, caliper and measuring tape etc.

The camp locations were decided by the Crew Leaders based on the number of plots to be tackled from that locality. After selecting the plots to be surveyed on the day, the crew leader along with his crew members and the local forest staff proceeded to reference point located on toposheet which could be identified on the ground. After reaching the reference point, the crew leader took the bearing of that reference point and measured the distance of the plot centre from that point on toposheet. The crew leader proceeded to the plot centre traversing the same distance in the same direction as indicated from the bearing of the reference point.

After reaching the plot centre, a square plot of 0.1 ha. with diagonal measuring 44.72 metres in NS-EW direction was laid on the ground. The required data was collected from the plot in the following prescribed forms. The sketch showing lay out of the plot on the ground is appended in the report.

(i) PLOT APPROACH FORM:

This is filled by the Crew Leader when he starts from the camp to the sample plot and returns to the camp. It is not used in data processing. Only it is used in locating the plot during re-survey in future.

(ii) PLOT DESCRIPTION FORM:

By observing 2 ha. around the plot centre, the qualitative data such as land use, tree crops composition and its density, erosion status, intensity of fire and grazing, regeneration status, bamboo data etc. are recorded in the form.

(iii) PLOT ENUMERATION FORM:

The trees and bamboo in 0.1 ha. plot are enumerated and recorded in the form. The trees with 10 cm. diameter and above at breast height over bark only are enumerated. The dead trees of having utility less than 70% are not enumerated. The diameter of a bamboo clump is measured at its base.

(iv) SAMPLE TREE FORM:

This is filled after filling the plot enumeration form. The data of trees with diameter 10 cm. and above at BHOB are collected from 1/4th. of the total plot, starting from N-W quadrant. For each sample tree, diameter at breast height, bark thickness, tree height, length of clear bole, form of tree etc. are recorded. Abstract of this information is written on the Sample Tree Card which is nailed to the respective tree. This facilitates the supervising officers for checking.

(v) BAMBOO ENUMERATION & CLUMP ANALYYSIS FORM:

The data of individual culms occurring in the selected clumps are recorded in this form. The clumps bearing serial No. 1, 9, 17, 25, 33 etc. (first and every eighth clump thereafter) of each bamboo species

are selected for detailed analysis. The number of bamboo culms per clump classified on the bais of age, greenness and soundness are recorded.

(vi) BAMBOO ENUMERATION FORM (Non clump forming):

In this form information is collected for non-clump forming bamboos ococurring in the sample plot. For the purpose of counting the culms only 1/8th. area of the sample plot touching northern semi-diagonal is taken. Counting is done in 1/2 NW quadrfant only i.e in 0.0125 ha. Culm are classified on the basis of soundness, age and green-ness.

(vii) BAMBOO WEIGHT FORM:

For determining the correlation between green and dry weight of the utilizable length of bamboo culm, sample pieces of matured culms are cut and weighed at regular intervals of time till a constant air dry weight is obtained. The green weight of utilizable culms of different dia class (2< 5, 5< 8 and 8 and above) and that of 30 cms. long pieces obtained in each from the top, middle and bottom portions of the utilizable culms from each dia classes are recorded in this form.

This form is filled up for plots in which bamboo have been found in 2 ha. areas in and around the plot. Specimen of the above field forms have been given in Appendix.

2.4 INTENSITY OF THE SURVEY:

A total of 391 sample plots were marked on the toposheets in the forest areas of Mysore District. The total extent of forest area depicted on the Survey of India toposheets was estimated by using the dot-grid method. The total forest area came to be about 3953.51 km^2. Hence, area represented by each sample plot i.e. Area Weightage = 3953.51/391 = 10.11 km^2.

Even though certain plots selected is shown as green wash area having forest cover in toposheet, it was seen after visiting the plots that about 22 plots were put under non forestry use. Out of 22 plots, 20 points were under agriculture, one under barren lands and one under habitation.

Thus the net forest area comes to (391-22) x 10.11 = 369 x 10.11 = 3730.59 km^2. The data pertaining to 369 plots were recorded.

The intensity of survey has been calculated in the following manner:

1. Total extent of forest area sampled = 3730.59 km^2 = 373059 ha.
2. Total area of the sample plots = 369 x 0.1 ha.= 36.9 ha.

$$\text{Intensity of the survey} = \frac{36.9}{3,73,059} \times 100 = 0.00989 = 0.01$$

2.5 DIFFICULTIES ENVISAGED DURING THE FIELD WORK:

(a) Due to heavy infestation of wild elephants in groups, the field party was not in a position to have an access to eight sample points.

(b) Forty five plots in Kollegal Taluk coiuld not be tackeld due to the sensitiveness of the area where Sandal Wood-Cum-Elephant Poacher Veerappan's gang was in operation. The forest authorities as well as Special Task Force headed by Police Officers had advised not to enter to this area which being the core area for their activities.

Thus, in all 53 plots were extraploated with nearest sample point to get inventory result for the entire district.

(c) In thirteen plots our field parties could get access to the plot but could not reach upto the plot centre because of reasons mentioned in (a) and (b).

2.6 PLOT STATUS:

The details of the plot status are:

S.N.	Plot Status	No. of plots.	Area in sq.km.	Percentage
1.	Sample plot visited	325	3285.75	83.13
2.	Vicinity visited	13	131.43	3.32
3.	Extrapolated	53	535.83	13.55

CHAPTER -III

DATA PROCESSING

3.0 PREPARATION OF DATA FOR PROCESSING IN COMPUTER:

The basic field inventory data recorded in the field forms were checked at Zonal office to detect any inconsistencies and the corrections were effected where-ever necessary. The checked data were entered into the PC AT 286 Computer for processing. A computer programme was developed to produce the desired out put. The output was tabulated in the desired format.

3.1 . AREA COMPUTATION:

The extent of the forested area as depicted on the Survey of India toposheet was calculated in the Zonal Office with the help of a dot grid method. The area of forests under various categories such as forest type, soil erosion status, grazing incidence, fire incidence, canopy density classes etc. was calculated by multiplying the number of sample plots ococurring in that class by the area weight of each sample point.

3.2 VOLUME ESTIMATION:

Felled tree data were not collected for preparation of generalvolume table. Sample tree data were not sufficient to develop local volume equations. Therefore, volume equations developed by FAO during the Pre-

investment Survey of Forest Resources of Southern Zone in the year 1967-68 have been adopted for volume estimation.

For Teak, Boswellia serrata, Diospyros melanoxylon and rest of the species, volume equations developed for Adilabad (A.P.) area have been used.

For Santalum album and Hardwickia binnata, the formula developed for rest of the species in Mahboobnagar (A.P.) survey has been used.

The following are the volume equations used for different species:

1. Anogeissus latifolia

$$V = 0.289 - 2.653\ D + 11.771\ D^2.$$

2. Dalbergia latifolia

$$V = 0.296 - 2.829\ D + 12.207\ D^2.$$

3. Lagerstroemia lanceolata

$$V = 0.07 - 1.295\ D + 9.429\ D^2.$$

4. Pterocarpus marsupium

$$V = 0.07 - 1.295\ D + 9.429\ D^2.$$

5. Schleichera trijuga

$$V = 0.023613 - 0.531006\ D + 6.731036\ D^2.$$

6. Tectona grandis

$$V = 0.023613 - 0.531006\ D + 6.731036\ D^2.$$

7. Terminalia tomentosa/crenulata

$$V = 0.289 - 2.653\ D + 11.771\ D^2.$$

8. Terminalia paniculata

$$V = 0.07 - 1.295\ D + 9.429\ D^2.$$

9. Vitex altissima

$$V = 0.289 - 2.653\ D + 11.771\ D^2.$$

10. Diospyros melanoxylon

$$V = 0.024814 - 0.578532\ D + 6.110170\ D^2.$$

11. Boswellia serrata

$$V = - 0.076369 + 0.710215\ D + 0.497600\ D^2 + 11.38700\ D^3.$$

12. Grewia tiliaefolia

$$V = 0.070 - 1.295\ D + 9.429\ D^2.$$

13. Santalum album

$$V = 0.058\ \ 4.598\ D^3.$$

14. Hardwickia binnata

$$V = 0.058 + 4.598\ D^3.$$

15. Rest of the species

$$V = 0.088183 - 1.490948\ D + 8.984266\ D^2.$$

[Where D = Diameter at breast height in metre over bark.

V = Volume (excluding bark) in m^3)]

3.3 ENUMERATED TREE VOLUME AND PLOT VOLUME:

By feeding the data of diameter at breast height over bark of

each enumerated tree in the volume equation, the individual tree volume of that particular species in a plot was found. By simple summatioin the

total volume of all the trees in the plot is determined. By adding the plot volume of all the plots in each strata (forest type) and by dividing by the total number of plots so surveyed we arrived at the average volume per plot. By multiplying the average volume per plot by a factor of ten we got the volume per ha. in that strata. This data was stored in the tree/plot volume file.

3.4 STAND TABLE:

The elements of the tree/plot volume file were utilized to classify the tree by species, diameter, crop composition etc. The estimates of the number of stems per ha. and total stems by species, diameter classes were obtained for each crop compositioin and was given in computer output.

3.5 STOCK TABLES:

The estimates of volume per hectare and total volume by species and diameter classes were obtained for each crop composition from the tree/plot volume file and were given in computer output.

3.6 STANDARD ERRORS :

In order to estimate the sampling error, the sample was considered of unequal size, since in many grids only one plot was enumerated. Therefore, ratio method of estimating sampling error has been used.

$$\bar{X} = 1/n \sum_{i=1}^{n} X_i = \text{Average No of plots per Grid}$$

$$\bar{R} = \frac{\sum_{i=1}^{n} Y_i}{\sum_{i=1}^{n} X_i} = \left[\text{Estimate of average vol per hectare over all Grids.}\right.$$

Estimate of Variance of R

$$V(R) = \frac{1}{n\,(n-1)\,\bar{X}^2} \sum_{i=1}^{n} Y_i^2 - 2R \sum_{i=1}^{n} X_i Y_i + \bar{R}^2 \sum_{i=1}^{n} X_i^2$$

Estmate of the Standard Error (SE) of R

$$SE = \sqrt{V(\bar{R})}$$

$$SE\ \% = \frac{SE}{\bar{R}} * 100$$

where

n = Total No of grids in the sample.

Y_i = Sum of the per Hectare volume / stem in the i^{th} grid i.e. the sum of per hec volume/stem of each plot in that grid.(per hectare volume/stem is calculated by summing the vol/stem of each tree in a plot then multiplying it by 10.)

X_i = Number of plots in the i^{th} grid.

Standard errors have been estimated for the growing stock in

each forest type and over the entire area irrespective of the strata.

3.7 B A M B O O:

3.7.1 A R E A:

The occurrence of bamboo was examined in an area of about 2 ha. around the plot centre and its density and quality were recorded in the plot description form. By applying the area weight of the plot, the area under bamboo was estimated. Area under each quality bamboo was also estimated from the number of plots falling in each quality.

3.7.2 CLUMPS PER HECTARE:

The bamboo clumps ococurring in each sample plot were enumerated by species and diameter of the clump. This information was utilized for assessing the number of clumps per ha. by species and clump size class. Separate estimate for each species were obtained. To estimate the number of clumps per ha. in each quality and clump size class, the data of plot description forms and plot enumeration forms were merged together.

3.7.3 CULMS PER CLUMP:

In every eighth clump starting with the first clump in a sample plot the number of culms by age and soundness was enumerated and record-ed. The culms were further classified by culm diameter class. This information was used for estimating the number of culms per clump in different classes.

3.7.4 CULMS PER HECTARE:

The estimates of the number of clumps per ha. and the number of

culms per clump gives the number of culms per ha. under different classes of each species.

3.7.5 TOTAL NUMBER OF CULMS:

The estimates of the number of culms per hectare and the extent of area under specific quality classes gives the total number of bamboo culms in the inventoried area.

3.7.6 BAMBOO STOCK:

Weight of the utilizable length of green culms of diameter 2 to 5 cm. 5 to 8 cm.,8 cm. and above, were recorded by felling bamboo culms from the first clump in each plot. Average green weight of a culm was thus obtained in above diameter classes for each species. Only two species Bambusa arundinacea and Dendrocalamus strictus were found in Mysore District.

The following correlation factors were used for various categories of culms to find out green weight of the bamboo culms.

Dry Sound Culm = 1/2 Green Sound Culm.

Dry Damaged Culm = 1/4 Green Sound Culm.

Green Damaged Culm = 1/2 Green Sound Culm.

Decayed Culm = 0.

Applying the above factors to the green weight of bamboo culms and the total number of culms, the total bamboo stock (green weight) was estimated.

3.7.7 DRY WEIGHT EQUIVALENT OF BAMBOO STOCK:

Green weight of all the three 30 cms. pieces obtained from the top, middle and basal parts of utilizable culm of each species was recorded to the nearest 5 gms. for different diameter classes. Air dry weight (after 90 days or when the air dry weight of samples became constant) of the corresponding three pieces of each diameter class was taken. Utilizing this, a factor for dry weight correlation was developed. Using this factor, green tonnage was converted into dry tonnage.

CHAPTER -IV

RESULTS OF THE INVENTORY

4.0 The results of the inventory have been presented here.

4.1 LAND USE PATTERN:

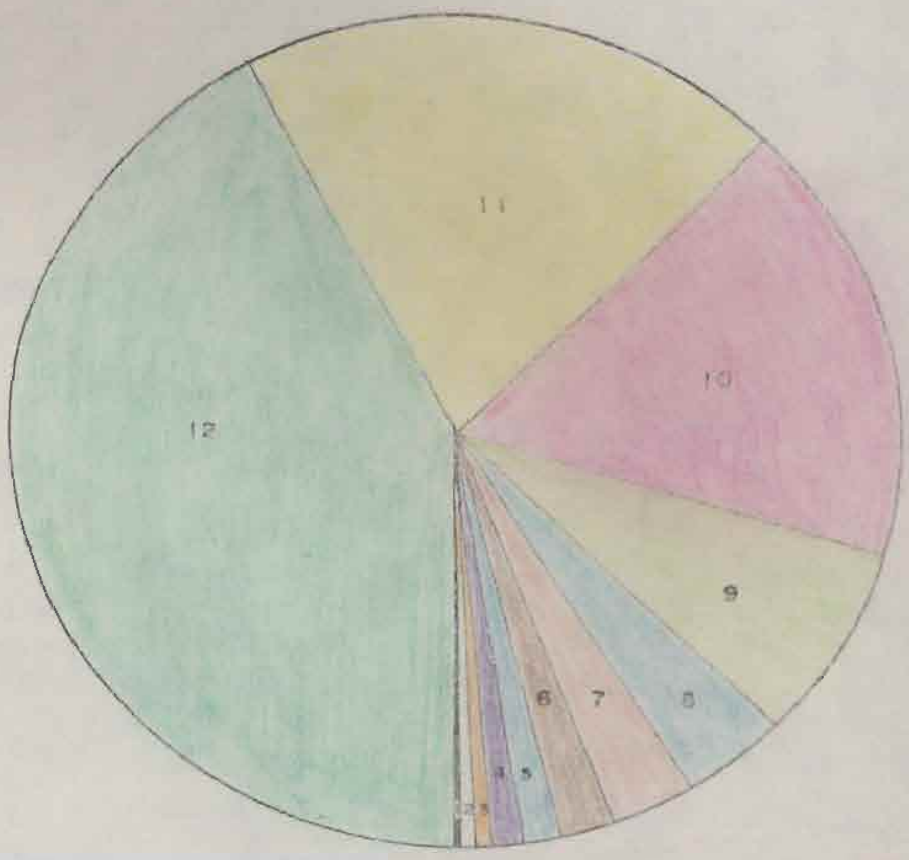
Utilization of the forest land and their extent under various categories were estimated by the total number of sample plots falling in that category multiplied by area weightage.

The details of land use pattern in the Surveyed area of Mysore district can be summarized as follows:

Table No. 1

S.N.	L a n d u s e	No. of plots.	Area in km².	Percentage
1	2	3	4	5
1.	Dense Tree Forests	79	798.69	20.20
2.	Moderately Dense Tree Forests.	164	1658.04	41.94
3.	Open Tree	68	687.48	17.39
4.	Scrub Forests	15	151.65	3.84
5.	Young crop of forestry spp.	29	293.19	7.42
6.	Govt. grass lands	2	20.22	0.51
7.	Barren lands	2	20.22	0.51
8.	Agri. land without tree in surrounding.	8	80.88	2.05

LAND USE PATTERN



1.	Habitation	0·26 %
2.	Govt. Grass lands	0·51 %
3.	Barren lands	0·51 %
4.	Young Plantations	1·02 %
5.	Water Bodies	1·28 %
6.	Agri. land without tree in surround	2·05 %
7.	Agri land with tree in surround	3·07 %
8.	Scrub Forests	3·84 %
9.	Young crop of forestry app.	7·42 %
10.	Open tree	17·39 %
11.	Dense tree forests	20·20 %
12.	Moderately Dense tree forests	41·94 %

1	2	3	4	5
9.	Agri. land with tree in surrounding.	12	121.32	3.07
10.	Habitation	1	10.11	0.26
11.	Water Bodies	5	50.55	1.28
12.	Young Plantations	4	40.44	1.02
	TOTAL	391	3953.01	100.00

Out of 391 plots, 20 plots pertain to agri. lands, one plot each to habitation and barren land outside the R.F./P.F. boundary. Thus, the net forest area is represented by 369 plots equal to 3730.59 km2. which is 94.37% of the area surveyed.

Net forest area is further classified into various categories which is given in the following Table (Table-2).

Table No.2.

S.N.	Net Forest Area	No. of plots	Area in km^2.	Percentae
1.	Dense Tree Forests	79	798.69	21.41
2.	Moderately Dense Tree Forests.	164	1658.04	44.44
3.	Open Tree forests	68	687.48	18.43
4.	Scrub Forests	15	151.65	4.07

S.N.	Net Forest Area	No. of plots	Area in Km².	Percentae
5.	Bamboo brakes	2	20.22	0.54
6.	Young crop of forestry spp.	29	293.19	7.86
7.	Govt. Grass Lands	2	20.22	0.54
8.	Barren Lands	1	10.11	0.27
9.	Water Bodies	5	50.55	1.36
10.	Young Plantations	4	40.44	1.08
	Total	369	3730.59	100.00

From the above it is clear that the dense tree forest, moderately dense tree forest constitutes 65.85% of the total net forest area. Thus, 65.85% of the area is having crown density varying from 30% to 70% and above.

It is also observed that the scrub forest categories constitute about 4.07% of the net tree forest which are subjected to heavy biotic interference.

About 18.43% of the net forest area falls under the category of open forest with crown density varying from 5% to 29%.

Out of 3730.59km².of net forest area, the tree forested areas constitute 3498.06 km²., the details are given in the following table.

Table No.3

S.N.	Tree forested area	No. of plots.	Area in km².	Average
1.	Dense Tree forests	79	798.69	22.83
2.	Moderately Dense tree forests.	164	1658.04	47.40
3.	Open tree	68	687.48	19.65
4.	Bamboo brakes	2	20.22	0.58
5.	Young crop of forestry spp.	29	293.19	8.38
6.	Young plantations	4	40.44	1.16
	TOTAL :	346	3498.06	100.00

It is clear from the above table that -

i) the major tree forested area constitutes the moderately dense forest accounting to 47.4-% ;

ii) 22.83% of the tree forest area constitutes dense tree forest having the crown density 70% and above ;

iii) majority of the young crop of forestry species and young plantation constituting 9.5% of the tree forest area are having teak as a main species.

The division-wise break up of net forest area and tree forest area (wooded area) is given in Table 4 & 5.

Table No.4

S.N.	Net forest area division wise.	No. of Plots	Area in Km².	Percentage
	HUNSUR			
1.	Dense tree forest	2	20.22	9.52
2.	Moderately dense tree forests.	10	101.10	47.62
4.	Scrub forests	2	20.22	9.52
5.	Bamboo forests	2	20.22	9.52
6.	Barren lands	1	10.11	4.76
7.	Young plantations	1	10.11	4.76
	TOTAL	21		99.99

	MYSORE			
1.	Dense tree forests.	16	161.76	40.00
2.	Moderately dense tree forests.	13	131.43	32.50
3.	Open tree forests	3	30.33	7.50
4.	Young crop of forestry species.	6	60.66	15.00
5.	Water Bodies.	2	20.22	5.00
	TOTAL	40		100.00
	CHAMRAJANAGARA			
1.	Dense tree forests	14	141.54	29.17
2.	Moderately dense tree forests.	13	131.43	27.08
3.	Open tree forests	7	70.77	4.58
4.	Scrub forests	2	20.22	4.17
5.	Young crop of forestry species.	10	101.10	20.83
6.	Young plantations.	2	20.22	4.17
	TOTAL	48		100.00
	KOLLEGAL			
1.	Dense tree forests.	22	222.42	12.36
2.	Moderately dense tree forests.	94	950.34	52.81
3.	Open tree forests.	45	454.95	25.28
4.	Scrub forests	8	80.88	4.49
5.	Young crop of forestry species.	3	30.33	1.69
6.	Govt.Grass Lands.	2	20.22	1.12
7.	Water bodies.	3	30.33	1.69
8.	Young plantations	1	10.11	0.56
	TOTAL	178		100.00
	BANDIPUR TIGER PROJECT			
1.	Dense tree forests.	25	252.75	30.49
2.	Moderately dense tree forests.	34	343.74	41.46
3.	Open tree forests	10	101.10	12.20
4.	Scrub forests.	3	30.33	3.66
5.	Young crop of forestry species.	10	101.10	12.20
	TOTAL	82		100.01
	GRAND TOTAL	369	3730.59	

Table No.5

S.N.	Forest Division (Wooded area)	No. of plots.	Area in km^2.	Percentage
1.	H U N S U R	18	181.98	5.20
2.	M Y S O R E	38	384.18	10.98
3.	CHAMRAJANAGAR	46	465.06	13.29
4.	KOLLEGAL	165	1668.15	47.69
5.	Bandipur Tiger Project	79	798.69	22.83
	TOTAL	346	3498.06	99.99

4.2 LEGAL STATUS:

97.56% of the net forest area comprises of Reserve Forest and National Park. Only 0.54 % are Protected Forest and 1.90% are Unclassed Forests.

The break up of the forest area as per legal status is given in the table-6.

Table No.6

S.N.	Legal Status	No. of plots.	Area in km^2.	Percentage
1.	Reserved Forests	243	2456.73	65.85
2.	Protected Forests	2	20.22	0.54
3.	Unclassed Forests	7	70.77	1.90
4.	National Park	117	1182.87	31.71
	TOTAL	369	3730.59	100.00

4.3 The data regarding terrain and soil are recorded for the net forest area (excluding water bodies in forest area) whereas data such as crop composition, top height, size class, intensity of regeneration etc. are recorded for the plots falling in actual tree forest area.

4.4 TOPOGRAPHY OF THE FOREST AREA:

Majority of the forest area are found to be hilly and very hilly. 49.18% of the area comes under hilly category and 10.75% under

very hilly category. 39.29% of the area having gently rolling terrain and only 0.82% of the area is flat. The details of break up is given in the table-7.

Table No. 7

S.No.	General topography	No. of plots.	Area in km^2.	Percentage
1.	Flat	3	30.33	0.82
2.	Gently rolling	143	1445.73	39.29
3.	Hilly	179	1809.69	49.18
4.	Very Hilly	39	394.29	10.71
	TOTAL	364	3680.04	100.00

1.5 **ROCKINESS:**

The following table shows the status of rockiness in the forest area:

Table No. 8

S.No.	Rockiness	No. of plots	Area in km^2.	Percentage
1.	High	2	20.22	0.55
2.	Medium	43	434.73	11.81
3.	Low	150	1516.50	41.21
4.	No rock	169	1708.59	46.43

46.43% of the area falls under the category of NO ROCK and 41.21 % of the area is LOW ROCKY. It indicates that sufficient soil cover exists in the surveyed area which can support forest cover.

4.6 STATE OF SOIL:

Soil depth, texture, consistency, humus, erosion status and coarse fragments indicate the state of soil in the forest area.

4.6.1 SOIL DEPTH:

61.26% of the forest area is covered with medium and deep soil which indicates that it has potential to support deep rooted forest species.

Nearly 38.713% is covered with shallow and very shallow soil which can support shallow rooted species.

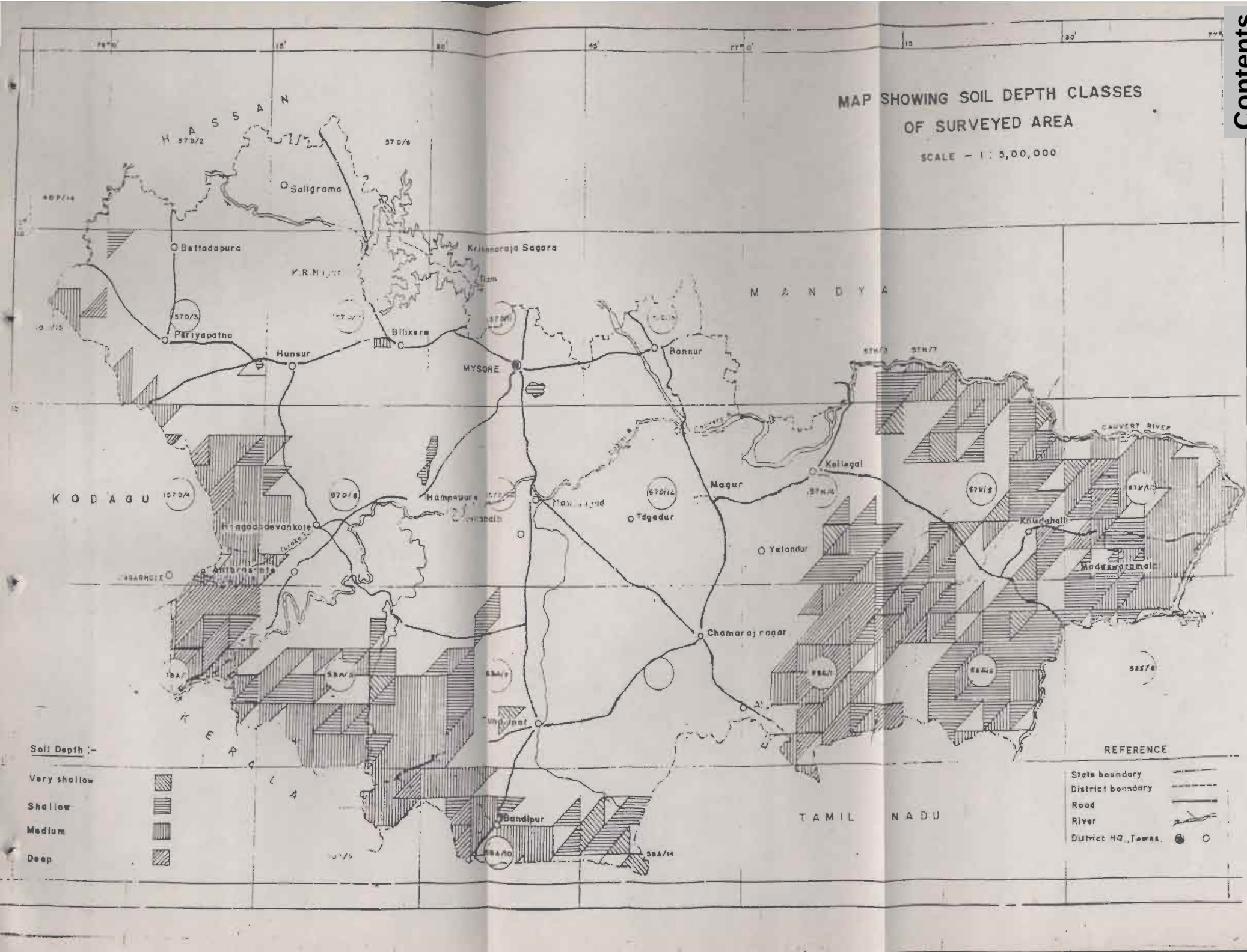
The details of areas covered under various soil depth categories are given in the following table:

Table No. 9

S.No.	Soil depth	No. of plots	Area in km².	Percentage
1.	Very shalloow	22	222.42	6.04
2.	Shallow	119	1203.09	32.69
3.	Medium	178	1799.58	48.90
4.	Deep	45	454.95	12.36
	TOTAL	363	680.04	99.99

MAP SHOWING SOIL DEPTH CLASSES OF SURVEYED AREA

SCALE – 1 : 5,00,000



4.6.2 SOIL TEXTURE:

The texture of soil found in the forest area shows the following pattern:

Table No. 10.

S.No.	Soil texture	No. of plots	Area in km².	Percentage
1.	Clayey	63	636.93	17.31
2.	Clayey loam	233	2355.63	64.01
3.	Loam	28	283.08	7.69
4.	Sandy loam	40	404.40	10.99
	TOTAL	364	3680.04	100.00

4.6.3 SOIL CONSISTENCY:

The pattern of soil consistency in the forest area is as follows:

S.No.	Soil consistency	No. of plots	Area in km².	Percentage
1.	Friable	5	50.55	1.37
2.	Slightly compact	297	3002.67	81.59
3.	Compact	62	626.82	17.03
	TOTAL	364	3680.04	99.99

Majority of the area comes under slight compact category with 81.59% followed by compact soil type with 17.03%.

4.6.4 H U M U S:

Majority of the area are devoid of humus layer which is clear from the following table:

Table No. 12

S.No.	H u m u s	No. of plots	Area in km².	Percentage
1.	Shallow	131	1324.41	35.99
2.	Medium	59	596.49	16.21
3.	Deep	9	90.99	2.47
4.	No humus	165	1668.15	45.33
	TOTAL	364	3680.04	100.00

4.6.5 EROSION STATUS:

Erosion status of the forest area is indicated by the following table:

Table No.13

S.No.	Soil Erosion	No. of plots	Area in km².	Percentage
1.	Heavy	16	161.76	4.40
2.	Moderate	118	1192.98	32.42
3.	Mild	157	1587.27	43.13
4.	No erosion	73	738.03	20.05
	TOTAL	364	3680.04	100.00

It is seen that erosion occurring in the forest area is of mild (43.13%) and moderate type (32.42%) and as seen that small percentage of the forest area (4.40%) is heavily eroded. In 20.05% of the area there is no erosion.

4.6.6 COARSE FRAGMENTS:

Coarse fragments is absent in 44.51% of the forest area. State of coarse fragments is indicated in the following table:

MAP SHOWING SOIL EROSION CLASSES OF SURVEYED AREA

SCALE - 1 : 5,00,000

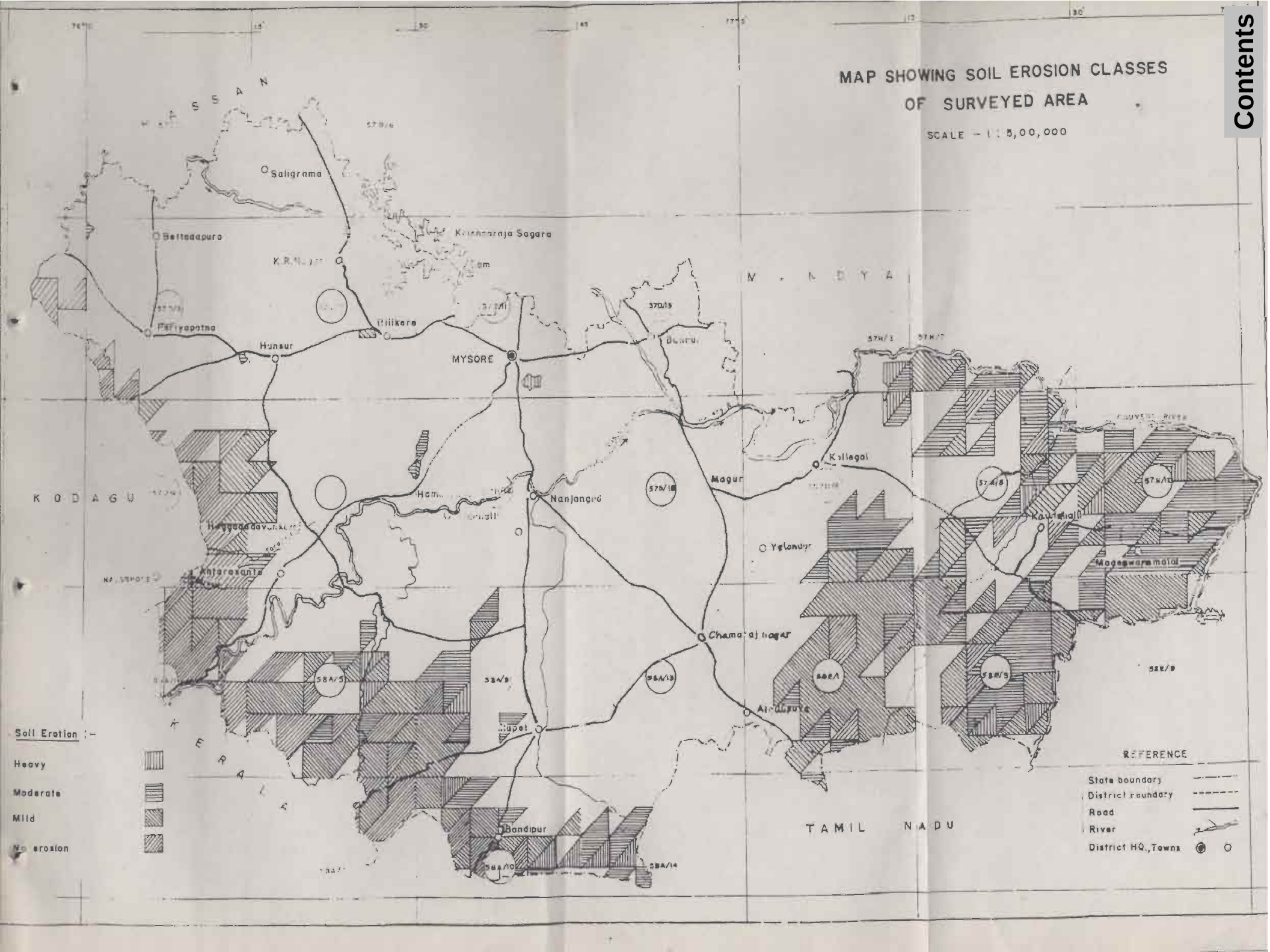


Table No. 14

S.No.	Coarse fragments	No. of plots	Area in km².	Percentage
1.	Loose stones	21	212.31	5.77
2.	Bouldery	93	940.23	25.55
3.	Gravely	88	889.68	24.51
4.	No coarse fragments	162	1637.82	44.51
	TOTAL	364	3680.04	100.01

4.7 ACCESSIBILITY OF THE AREA:

94.23% of the area is having access to the road within 5 kms. from the forest. Due to accessibility within 5 kms. working operation can be smoothly handled. The following table indicates the extent of the area covered under different accessibility zone.

Table No. 15

S.No.	Distance to Road	No. of plots	Area in km².	Percentage
1.	Distance 1 KM	165	1668.15	45.33
2.	Distance 1 & 3 KM	132	1334.52.	36.26
3.	Distance 3 & 5 KM	46	465.06	12.64
4.	Distance 5 & 7 KM	12	121.32	3.30
5.	Distance 7 & 10 KM	5	50.55	1.37

S.No.	Distance to Road	No. of plots	Area in km².	Percentage
6.	Distance 10 & 15 KM	3	30.33	0.82
7.	Not applicoable	1	10.11	0.27
	TOTAL	364	3680.04	99.99

4.8 **ORIGIN OF STAND:**

95% of the forest area is natural forest of seed origin and 4.62% of forest area is covered under Man-made forest. It is also seen that natural forest of coppice origin is almost negligible in this area.

The extent of area covered under different categories is given below:

Table No. 16

S.No.	Origin of stnad	No. of plots	Area in km².	Percentage
1.	Natural forest of seed origin.	329	3326.19	95.09
2.	Natural forest of coppice origin.	1	10.11	0.29
3.	Man-made forest	16	161.76	4.62
	TOTAL	346	3498.06	100.00

4.9 CROP COMPOSITION:

The break up of crop composition is given below:

Table No. 17

S.No.	Crop composition	No. of plots	Area in km^2.	Percentage
1.	Teak	15	151.65	4.34
2.	Bamboo Forest	2	20.22	0.58
3.	Miscellaneous	329	3326.19	95.09
	TOTAL	346	3498.06	100.01

95.09% of the forest cover is of miscellaneous type. In the miscellaneous type teak is present in good proportion. 4.34% of the area is teak forest in which Teak is more than 20% in the crop composition.

Pure bamboo forest is negligible although bamboo is one of the important species which is extracted in the Mysore district.

4.10 CANOPY LAYER:

The area covered under various categories of canopy layer is indicated in the following table:

Table No.18

S.No.	Canopy layer/storey	No. of plots	Area in km².	Percentage
1.	No storey	33	333.63	9.54
2.	One storeyed forest	125	1263.75	36.13
3.	Two storeyed forest	181	1829.91	52.31
4.	Three or more storeyed	7	70.77	2.02
	TOTAL	346	3498.06	100.00

Majority of the crop (52.31%)is two storeyed crop. 9.54% of the area is having young crop in which canopy formation has not taken place.

4.11 **SIZE CLASS:**

The trees in the sample plots were categorised according to their timber utility. The different size classes adopted in the present study depending upon predominance of diameter classes are as follows:

	Diameter class
a. Regeneration	10 cm.
b. Pole crop	10-20 cm.
c. Small timber	20-30 cm.
d. Big timber	30 cm. and above.
e. Mixed size class	Tree crop with no marked domination of any size class.

The following table shows the crop of different size classes and extent of areas represented by them.

MAP SHOWING CROP COMPOSITION CLASSES OF SURVEYED AREA

SCALE – 1 : 5,00,000

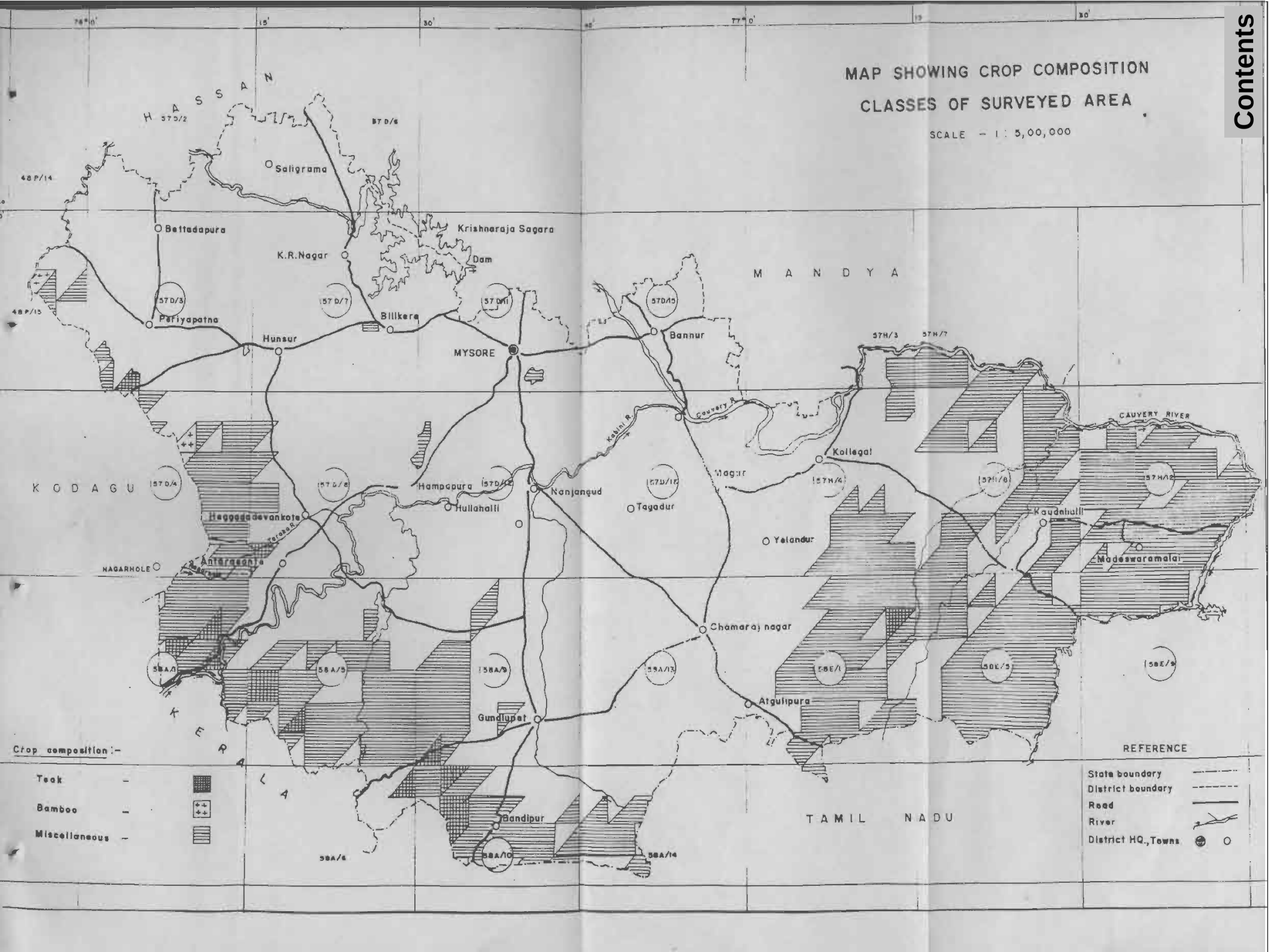


Table No. 19

S.No.	Size class	No. of plots	Area in km².	Percentage
1.	Regeneration	37	374.04	10.69
2.	Pole crop	127	1283.97	36.71
3.	Small timber	84	849.24	24.28
4.	Big timber	36	363.96	10.40
5.	Mixed size class	62	626.82	17.92
	TOTAL	346	3498.06	100.00

It is seen that pole crop is occupying 36.71% while small timber occupies only 24.28, 10.69 % comes under the regeneration class.

4.12 **TOP HEIGHT:**

The top height is arrived by taking the average height of dominant trees occurring in the plot or in the surrounding area of 2 ha.

The following table indicates the distribution of the crop area under different top height classes:

Table No.20

S.No.	Top height	No. of plots	Area in km².	Percentage
1.	0001-0005 M	20	202.20	5.78
2.	0006-0010 M	108	1091.88	31.21
3.	0011-0015 M	114	1152.54	32.95
4.	0016-0020 M	51	515.61	14.74
5.	0021-0025 M	34	343.74	9.83
6.	0026-0030 M	18	181.98	5.20
7.	0031-0040 M	1	10.11	0.29
	TOTAL	346	3498.06	100.00

It is seen from the above that forest is three storeyed in which lower storey ranges from 1 to 10 m. consisting of 37% of the crop, the middle storey ranging from 11 to 25 m. constituting 57.5% and the top canopy ranging from 26 to 40 m. constituting about 5.5% of the crop.

4.13 REGENERATION STATUS:

Regeneration status for economically important species was considered. Established regeneration of all sample trees (diameter of 2 to 10 cm. at breast height) in a plot of 4 M x 4 M laid at the centre of the sample plot was counted. The different categories are -

S.N.	S t a t u s	Regeneration
1.	Adequate	8 or more seedlings.
2.	Inadequate	Upto 8 seedlings.
3.	Absent	No regeneration.

The following table shows the intensity of regeneration in the surveyed area:

Table No.21

S.No.	Intensity of regeneration	No. of plots	Area in km^2.	Percentage
1.	Adequate	42	424.62	12.14
2.	Inadequate	220	2224.20	63.58
3.	Absent	71	717.81	20.52
4.	Not recorded	13	131.43	3.76
	TOTAL	346	3498.06	100.00

It is seen that vast extent of forest area i.e. 84.10% of the area is either having inadequate regeneration or devoid of any regeneration. Only 12.14% of the forest area is having adequate regeneration.

4.14 INJURY TO CROP:

The extent of forest area subjected to various kind of injuries is indicated below:

S.No.	Injuries to crop	No. of plots	Area in km².	Percentage
1.	Girdling and illicit felling.	115	1162.65	33.24
2.	Lopping for fodder	7	70.77	2.02
3.	Other injuries	76	768.36	21.97
4.	No injury	148	1496.28	42.77
	TOTAL	346	3498.06	100.0

42.77% of the area is not subjected to any kind of injury. This may be due to the fact that such areas are falling under National Parks or Sanctuary where strict restrictions are being implemented.

33.24% of the forest area is subjected to girdling and illicit felling which amount to about 1/3 of the forest area. In the categories of other injuries constituting 21.97%, it may be due to wild life damages.

4.15 FIRE INCIDENCE:

The details of the forest covered under fire incidence are indicated below.

Table No.23

S.No.	Fire incidence	No. of plots	Area in km².	Percentage
1.	Heavy	3	30.33	0.87
2.	Moderate	18	181.98	5.20
3.	Light	177	1789.47	51.16
4.	No fire	148	1496.28	42.77
	TOTAL	4 396	3498.06	100.00

Major portion of the forest area comes under deciduous and moist deciduous type where fire occurrence is common. In most of the forest only ground fire takes place which amount to light in the nature. Such areas are accounting to 51.16%. In 42.77% of the area no fire incidence was noticed which may be due to strict regulations in National Parks and Sanctuaries forming bulk of area in the district.

4.16 **GRAZING INCIDENCE:**

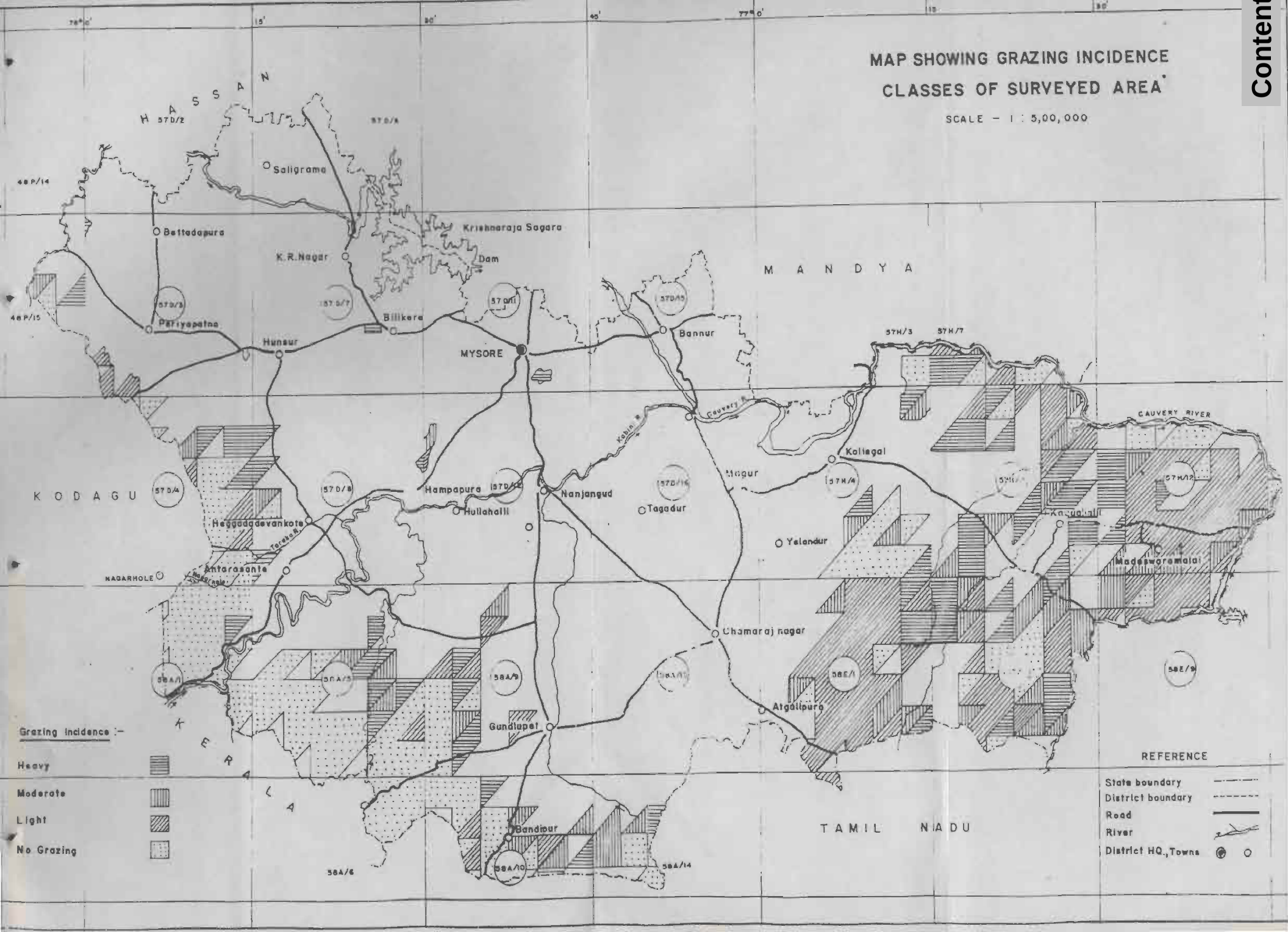
The following table shows the grazing incidence in the forest area.

Table No. 24

S.No.	Grazing incidence	No of plots	Area in km².	Percentage
1.	Heavy	61	616.71	17.63
2.	Moderate	49	495.39	14.16
3.	Light	103	1041.33	29.77
4.	No grazing	133	1344.63	38.44
	TOTAL	346	3498.06	100.00

MAP SHOWING GRAZING INCIDENCE CLASSES OF SURVEYED AREA

SCALE – 1 : 5,00,000



It is seen that grazing in different intensities occurs in 61.55% of the area, out of which 17.63% of the area is heavily grazed. Grazing has a direct impact on the regeneration status. It also renders the soil compact. Intensity of grazing is heavier in Kollegal Forest Division and portion of Mysore and Hunsur Divisions nearer to habitation.

4.17 PRESENCE OF WEEDS:

In 99.42% of forest area occurrence of weeds was noticed. The following table indicate the presence of weeds in the area.

Table No.25

S.No.	Presence of weeds	No. of plots	Area in km².	Percentage
1.	Very dense	48	485.28	13.87
2.	Dense	98	990.78	28.32
3.	Moderate	87	879.57	25.14
4.	Scanty	111	1122.21	32.08
5.	Absent	2	20.22	0.58
	TOTAL	346	3498.06	99.99

4.18 PRESENCE OF GRASS:

In 97.69% of the area presence of grass was noticed. In 47.11%, presence was scanty. The details of area in which presence of grass was noticed are given below:

Table No.26.

S.No.	Presence of grass	No. of Plots	Area in Km^2.	Percentage
1.	Very dense	35	353.85	10.12
2.	Dense	47	475.17	13.58
3.	Moderate	93	940.23	26.88
4.	Scanty	163	1647.93	47.11
5.	Absent	8	80.88	2.31
	TOTAL	346	3498.06	100.00

4.19 PLANTATION POTENTIAL:

Plantation potential in the entire forest land was assessed by considering the land class to which the sample plot laid out belongs. While deciding this, other factors such as aspect, soil depth, drainage, crop in surrounding area and other biotic, climatic factors were considered. All those forests where the crown density is 30% or more, plantation potentil is not of any significance and such area has been put under 'Not applicable' category. The following table gives the plantation

potential in the forest area.

Table No. 27.

S.No.	Plantation potential	No. of plots	Area in km².	Percentage
1.	Plantable	71	717.81	19.51
2.	Unplantable	11	111.21	3.02
3.	Not applicable	282	2851.02	77.47
	TOTAL	364	3680.04	100.00

The table shows that 19.51% of the area admeasuring 717.81 km². is having potential for plantation which should be given consideration while preparing the future plan.

The enrichment plantations are being attempted in some of those areas also where crown density is above 30%.

4.20 STATE OF FOREST (Degradation):

The extent of degradation of the forest area was judged from two angles, one is based upon the natural calamities such as landslide, flood, rainfall etc. and other is based upon human factors like grazing, fire, pollarding, illicit cutting and topping.

The following table indicates the status of the forest in both the categories.

Table No. 28

S.No.	Degraded forests (due to human factors)	No. of plots	Area in km².	Percentage
1.	Heavily degraded	39	394.29	11.27
2.	Moderately degraded	40	404.40	11.56
3.	Mildly degraded	85	859.35	24.57
4.	Not degraded	182	1840.02	52.60
	TOTAL	346	3498.06	100.00

Table No. 29

S.No.	Degraded forests (due to natural calamities).	No. of plots	Area in km².	Percentage
1.	Moderately degraded	2	20.22	0.58
2.	Mildly degraded	47	475.17	13.58
3.	Not degraded	297	3002.67	85.84
	TOTAL	346	3498.06	100.00

It is seen that about half of the area is not degraded by human interference. This may be due to the fact that regulations are strictly enforced in the National Park and Sanctuary areas.

It is seen that the natural calamities have not affected the forest area considerably and about 86% of the area is not degraded.

4.21 OCCURRENCE OF BAMBOO:

4.21.1 BAMBOO DENSITY:

The following table indicates the density of bamboo in the forest area:

Table No.30.

S.No.	Bamboo density	No. of plots	Area in km².	Percentage
1	2	3	4	5
1.	Pure bamboo	1	10.11	0.29
2.	Very dense	6	60.66	1.73
3.	Dense	13	131.43	3.76
4.	Moderately dense	14	141.54	4.05
5.	Scattered	20	202.20	5.78
6.	Sparse	52	525.72	15.03
7.	Bamboo present but clumps completely hacked by people.	5	50.55	1.45
8.	No bamboo	209	2112.99	60.40
9.	Regeneration crop	26	262.86	7.57
	TOTAL	346	3498.06	100.00

60.40% of the forest area is devoid of bamboo. The area covered under the bamboo is 1385.07 km². out of which 262.86 km². is regeneration crop. Occurrence of bamboo is mostly sparse and scattered. Only about 6% of the forest area is having dense bamboo

4.21.2 BAMBOO QUALITY:

The bamboo areas were classified into bamboo site quality classes. For the purpose, the average of measurements of tallest culms

occurring in 2 ha. were taken into account. Quality classes were determined as per the average height in the following manner.

Quality class	Average culm height
I	6 metre or more for Dendrocalamus strictus. 14 metre or more for Bambusa arundinacea.
II	4 metres or more but less than 6 metres for Dendrocalamus strictus. 10 metres or more but less than 14 metres for Bambusa arundinacea.
III	2 metres or more but less than 4 metres for Dendrocalamus strictus. 2 metres and more but less than 10 metres for Bambusa arundinacea.

The following table gives the occurrence of bamboo in different quality classes in the forest area.

Table No.31

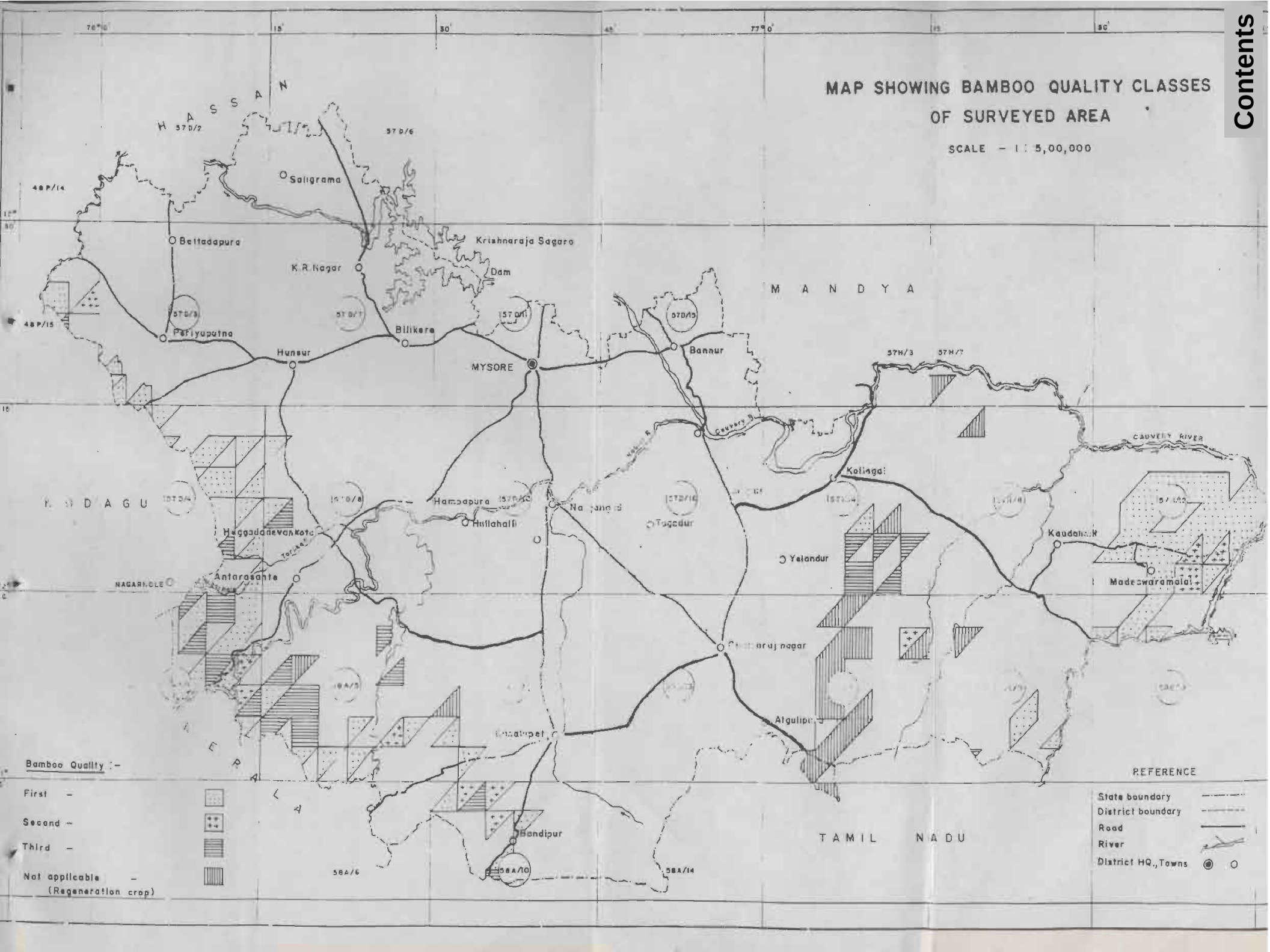
S.No.	Bamboo quality	No. of plots	Area in km².	Percentage
1.	First	75	758.25	54.74
2.	Second	12	121.32	8.76
3.	Third	24	242.64	17.52
4.	Not applicable (Regeneration crop)	26	262.86	19.98
	TOTAL	137	1385.07	100.00

It is seen that majority of the area covered under bamboo contains quality-I bamboo which comes to 54.74%. Percentage of quality II & III comes to 8.76%, 17.52% respectively. 19.98% area is having regeneration crop only.

Contents

MAP SHOWING BAMBOO QUALITY CLASSES OF SURVEYED AREA

SCALE – 1 : 5,00,000



4.21.3 BAMBOO FLOWERING:

Flowering has not occurred in 86.86% of the bamboo area while in 13.14% of the area sporadic flowering was noticed. The following table indicates the flowering status:

Table No. 32

S.No.	Bamboo flowering	No. of plots	Area in km².	Percentage
1.	Sporadic	18	181.98	13.14
2.	No flowering	119	1203.09	86.86
	TOTAL	137	1385.07	100.00

4.21.4 BAMBOO REGENERATION:

The following table indicates the regeneration status of bamboo in the forest area.

Table No.33

S.No.	Bamboo regeneration	No. of plots	Area in km²	Percentage
1.	Dense	1	10.11	0.73
2.	Medium	30	303.30	21.90
3.	Scattered	92	930.12	67.15
4.	Absent	14	141.54	10.22
	TOTAL	137	1385.07	100.00

It is seen that in 67.15% of the bamboo area, regeneration is scattered and in 21.90% of the area is covered with medium regeneration.

Only 0.73% of the area is having dense regeneration. Regeneration is absent in 10.22% of the area.

4.22 GROWING STOCK:

4.22.1 GROWING STAND (STEM):

The following table gives the number of stems in various categories as indicated below:

Table No. 34

S.N.	Crop composition.	No. of sample points.	Area in sq.km.	Stem/ha.	Total No. of stems.	Percentage
1.	Teak	15	151.65	218.667	3316080	5.70
2.	Bamboo	2	20.22	75.00	151650	0.26
3.	Miscellaneous.	329	3326.19	164.62	54755760	94.04
	TOTAL	346	3498.06	166.445	58223490	100.00

The total number of stems in the tree forest area is 5,82,23,490 with an average of about 166 stem per hectare. 94% of the crop falls under miscellaneous category.

The following table gives the number of stems/ha. and total number of stems of each species present in the Mysore forest:

Table No. 35

Sl.No.	Name of species	No. of Stem/ha.	Total no. of stem.	Percentage
1.	Anogeissus latifolia	33.410	11687160	20.07
2.	Terminalia crenulata	13.353	4670820	8.02
3.	Tectona grandis	10.607	3710370	6.37
4.	Hardwickia binata	9.191	3214980	5.52
5.	Grewia tieliaefolia	6.185	2163540	3.72
6	Pterocarpus marsupium	5.434	1900680	3.26
7.	Dalbergia latifolia	3.584	1253640	2.15
8.	Terminalia paniculata	2.139	748140	1.29
9.	Boswellia serrata	2.023	707700	1.22
10.	Diospyros melanoxylon	0.549	192090	0.33
11.	Schleichera trijuga/oleosa	0.520	181980	0.31
12.	Lagerstroemia lanceolata	0.318	111210	0.19
13.	Santalum album	0.116	40440	0.07
14.	Vitex altissima	0.029	10110	0.02
15.	Rest of species	78.988	27630630	47.46
	TOTAL		58223490	100.00

The three species Anogeissus latifolia, Tectona grandis and Terminalia crenulata comprise one third of the total growing stand. Out of 5,82,23,490 stems, Anogeissus latifolia has a tally of 1,16,87,160, (20.9%) Teak 37,10,37(6.37%) and Terminalia crenulata has 46,70,820 (8.02%). Out of toal 66.445 stem/ha, 33.41 stems belong to Anogeissus latifolia, 13.353 to Terminalia crenulata and 10.60 to Tectona grandis. 68.67% of the crop falls in the diameter class 10-20 cm. and 86.71% of the crop is distributed upto 25-30 cm. diameter class.

The sandalwood population in the district is 0.07% of the total number of stems. The total number of stems comes to 40,440 according to the survey which are of 10 cms. diameter and above. The diameter class wise details have been enclosed in Annexure-I & II.

The following table indicates the number of stems/ha and total number of stem in each Forest Division..oc

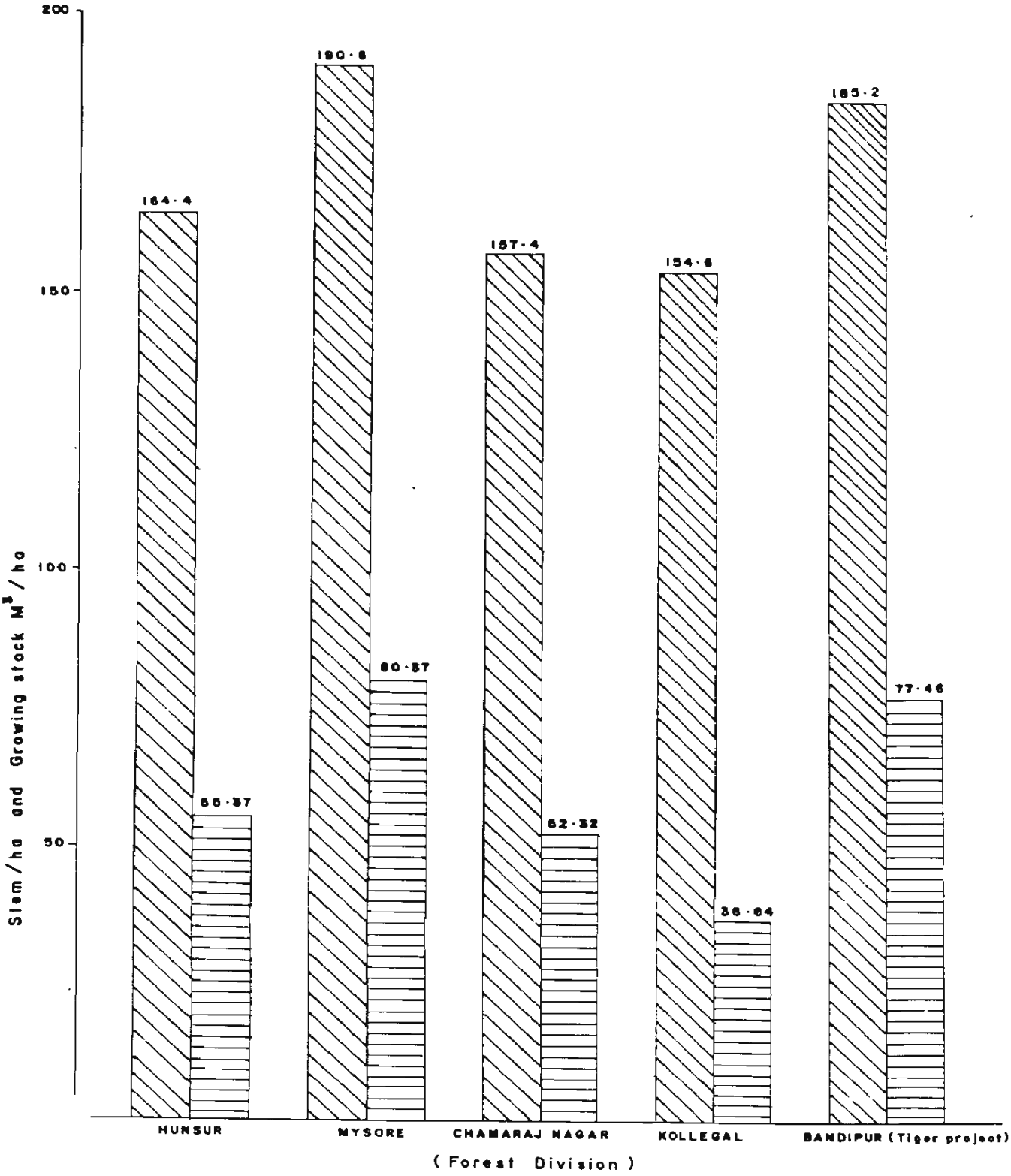
Table No. 36

S.N.	Forest Division	No. of sample plots.	Area in km².	Total No. of stems	No. of stems/ ha.	Percentage
1.	Hunsur	18	181.98	2992560	164.444	5.14
2.	Mysore	38	384.18	7329750	190.789	12.59
3.	Chamrajnagar	46	465.06	7319640	157.391	12.57
4.	Kollegal	165	1668.15	25790610	154.606	44.30
5.	Bandipur Tiger Project	79	798.69	14790930	185.190	25.40
	TOTAL	346	3498.06	58223490	166.445	100.00

The table indicating divisionwise growing stand for various species in different dia-classes have been enclosed in Annexure-IX & XVIII.

CROP COMPOSITION - TEAK FOREST:

In Teak stratum, it is found that out of 3316080 stems, Teak has tally of 940230(28.35%) stems followed by Anogeissus latifolia with 738030 stems, Terminalia crenulata with 293190, Dalbergia latifolia with 141540 stems. The rest of the species put together constitute about 930120 stems in this stratum (about 28.08%). The following table shows the number of stems and stem/ha species wise in Teak stratum.



DIVISION WISE POSITION OF GROWING STAND & GROWING STOCK

Scale – 1 cm = 10 Nos. of stem/ha
10 M³/ha

No. of stem/ha

Growing stock M³/ha

Contents

Table No. 37

S.N.	Species Name	Stem/ha.	Total No.	Percentage
1.	Tectona grandis	62.000	940230	28.35
2.	Anogeissus latifolia	48.667	738030	22.26
3.	Terminalia crenulata	19.333	293190	8.84
4.	Dalbergia latifolia	9.333	141540	4.27
5.	Grewia tiliaefolia	6.667	101100	3.05
6.	Pterocarpus marsupium	5.333	80880	2.44
7.	Lagerstroemia lanceoilata	2.667	40440	1.22
8.	Schleichera trijuga	2.000	30330	0.91
9.	Terminalia paniculata	1.333	20220	0.61
10.	Rest of the species	61.333	930120	28.08

From the above table it is seen that 50% of the total stems comprises of Tectona grandis and Anogeissus latifolia. The details of growing stand in differnet diameter classes have been given in Annexure III & IV.

About one third of the stems falls in the category of 10-15 cms. diameter class. 75.6% of the crop is distributed upto 25-30 cms. diameter classes.

CROP COMPOSITION - BAMBOO FOREST:

In bamboo forest it is found that out of 151650 stems, Dalbergia latifolia has 70770 stems which is 46.67% of the total stem in bamboo stratum. Pterocarpus marsupium and Santalum album has each 20220 stems(13.33%) followed by Grewia tieliaefolia and Terminalia crenulata each having 10110 stems (6.67%). The rest of the species put together

constitute about 20220 stems (13.33%) in the stratum.

The following table shows the number of stems per ha. and the total number of stems of each species in Bamboo stratum

Table No. 38

S.N.	Species name	No. of stem/ha.	Total	Percentage of stem.
1.	Dalbergia latifolia	35	70770	46.67
2.	Grewia tieliaefolia	5	10110	6.67
3.	Pterocarpus marsupium	10	20220	13.33
4.	Santalum album	10	22220	13.33
5.	Terminalia crenulata	5	10110	6.67
6.	Rest of the species	10	20220	13.33

The details of growing stand in different diameter classes have been given in Annexure - V & VI. The two third of the crop is found to be in 10-15 cms. diameter class.

CROP COMPOSITION OF MISCELLANEOUS FOREST:

Out of 54755760 stems in the miscellaneous stratum, 20% is Anogeissus latifolia followed by Terminalia crenulata with 8%, Hardwickia binata with 5.87% and Tectona grandis with 5.06%.

The species wise number of stems per ha. and total number of stems in the miscellaneous forest is given below:

Table No.39

S.N.	Species Name	No. of stems/ha	Total No. of stems.	Percentage
1.	Anogeissus latifolia	32.918	10949130	20.00
2.	Boswellia serrata	2.128	707700	1.29
3.	Dalbergia latifolia	3.131	1041330	1.09
4.	Diospyros melanoxylon	0.578	192090	0.35
5.	Grewia tieliaefolia	6.170	2052330	3.75
6.	Hardwickia binata	9.666	3214980	5.87
7.	Lagerstroemia lanceolata	0.213	70770	0.13
8.	Pterocarpus marsupium	5.410	1799580	3.29
9.	Santalum album	0.061	20220	0.04

10.	Schleichera trijuga/oleosa	0.456	151650	0.28
11.	Tectona grandis	8.328	2770140	5.06
12.	Terminalia crenulata	13.131	4367520	7.98
13.	Terminalia paniculata	2.188	727920	1.33
14.	Vitex altissima	0.030	10110	0.02
15.	Rest of species	80.213	26680290	48.73

The details of growing stand in different diameter classes have been given in Annexure-VII & VIII.

About half of stem (49%) is of the 10-15 cm. diameter classes 87% of the crop is distributed upto 25-30 cms. diameter classes.

Anogeissus latifolia is the major species in this stratum having 32.918 stems per ha.

4.22.2 GROWING STOCK (VOLUME):

Growing stock has been estimated for different crop composition stratum in terms of volume per hectare and total volume. The following table indicates the growing stock in different stratum.

Table No.40

S.N.	Crop composition.	No. of sample plots.	Area in km^2.	Volume/ha. in m^3.	Total volume in m^3.	Percentage
1.	Teak	15	151.651	102.613	1556131	8.25
2.	Bamboo	2	20.22	11.02	22281	0.12
3.	Miscellaneous	34	3326.19	51.959	17282437	91.63
	TOTAL	346	3498.06	53.918	18860869	100.00

The following table indicates the growing stock in each Forest Division.

Table No. 41.

S.N.	Forest Division	No. of sample plots.	Area in km^2.	Total growing stock (volume) in m^3.	Growing stock/ ha. in m^3.	Percentage
.ls 2						
1.	Hunsur	18	181.98	1007689	55.374	5.34
2.	Mysore	38	384.18	3087561	80.368	16.37
3.	Chamrajnagar	46	465.06	2433263	52.321	12.90
4.	Kollegal	165	1668.15	6145256	36.839	32.50
5.	Bandipur Tiger Project.	79	798.69	6187101	77.466	32.81
	TOTAL	346	3498.06	18860869	53.918	100.00

After comparing this table with table No.36, it is found that although Kollegal Forest Division contains 44.30% of the growing stand of the district, it has 32.58% of the growing stock in terms of volume, while Mysore and Bandipur Tiger Project Divisions containing 12.59% and 25.40% of the growing stand respectively have 16.37% and 32.81% of the total growing stock in terms of volume.

This shows that Kollegal Forest Division contains inferior forest as compared to Mysore and Bandipur Tiger Project Divisions.

The details of the Division-wise growing stock of varioius species in different diameter classes have been given in Annexure-XXVII to XXXVI.

TOTAL VOLUME AND VOLUME PER HECTARE:

Table No. 42 shows the total volume distribution and volume per hectare in the Mysore district. It shows that out of total volume of

18860869 cu. mtr., Anogeissus latifolia has a volume of 3261483 m3 which is 17.3% followed by Tectona grandis with 13.47% and Terminalia crenulata with 12.11%.

Table No. 42

S.N.	Species Name	Total volume in m^3.	Volume/ ha.	Percentage
1.	Anogeissus latifolia	3261483	9.324	17.30
2.	Tectona grandis	2540894	7.264	13.47
3.	Terminalia crenulata	2284827	6.532	12.11
4.	Pterocarpus marsupium	1199992	3.43	6.36
5.	Hardwickia binata	655064	1.873	3.47
6.	Grewia tiliaefolia	629376	1.799	3.34
7.	Dalbergia latifolia	516700	1.477	2.74
8.	Schleichera trijuga/oleosa	426092	1.218	2.26
9.	Terminalia paniculata	226283	0.647	1.20
10.	Boswellia serrata	122197	0.349	0.65
11.	Diospyros melanoxylon	18548	0.053	0.10
12.	Lagerstroemia lanceolata	90225	0.258	0.48
13.	Vitex altissima	5586	0.016	0.03
14.	Rest of the species	6880803	19.670	36.49

The details of the growing stock in various diameter classes have been given in Annexure XIX & XX.

Out of 53.918 m3/ha, Anogeissus latifolia contributed 9.324 m3/ha. On comparing the position of various species in Table No.35 - where Anogeissus latifolia stood first both in terms of stem and stems/ha. and total volume and volume/ha., whereas although Terminalia crenulata has more number of stems and stems/ha. but in volume it stand third after Tectona grandis. The reason behind it is that although the number of stems is more in case of Terminalia crenulata these are more spread in lower diameter classes.

CROP COMPOSITION TEAK:

The following table shows the total volume distribution and volume/ha in Teak stratum (area 151.65 km2.). It indicates that out of total volume of 1556131 m3, Teak has a volume of 781459 m3 which is about 50.22%, followed by Anogeissus latifolia with 16.07%.

Table No. 43

S.N.	Species Name	Total volume in m^3.	Volume/ ha.	Percentage
1.	Tectona grandis	781459	51.53	50.22
2.	Anogeissus latifolia	250081	16.491	16.07
3.	Dalbergia latifolia	83712	5.52	5.38
4.	Terminalia crenulata	72507	4.781	4.66
5.	Schleichera trijuga/oleosa	62491	4.121	4.02
6.	Pterocarpous mersupium	48710	3.212	3.13
7.	Grewia tiliaefolia	43091	2.841	2.77
8.	Lagerstroemia lanceolata	31628	2.086	2.03
9.	Terminalia paniculata	11077	0.730	0.71
10.	Rest of the species	171377	11.301	11.01

The diameter class wise details of the above have been given in Annexure XXI & XXII.

After comparing the Table No.43 with Table No.37, it is clear that although Teak has 28.35% of the total number of stems, in terms of volume, it has 50.22% of the growing stock. It is due to the reason that Teak crop is well distributed in higher diameter classes while other species are more distributed towards lower diameter classes. Similarly due to the same reason although in terms of number of stems, Terminalia crenulata is above the Dalbergia latifolia, the former contains less volume than the latter.

CROP COMPOSITION BAMBOO:

The following table gives the volume distribution and volume per ha. in Bamboo stratum (tree : 20.22 km^2).

Table No.44

S.N.	Name of species	Total volume in m^3.	Volume/ ha. in m^3.	Percentage
1.	Dalbergia latifolia	10684	5.284	47.94
2.	Grewia tieliaefolia	1661	0.822	17.46
3.	Santalum album	1520	0.751	6.81
4.	Terminalia crenulata	1416	0.701	6.36
5.	Pterocarpous marsupium	1164	0.576	5.23
6.	Rest of species	5837	2.887	26.20

The details of the growing stock present in various diameter classes have been given in Annexure XXIII & XXV.

Dalbergia latifolia is the major component in this stratum containing 47.94% of total growing stock followed by Grewia tiliaefolia, Santalum album, Terminalia crenulata and Pterocarpus marsupium having 17.46% to 5.23% of the growing stock.

CROP COMPOSITION MISCELLANEOUS:

The volume distribution of various species in the miscellaneous forest is indicated in the following table:

Table No.45.

S.N.	Species Name	Total volume in m^3.	Volume/ha. in m^3.	percentage
1.	Anogeissus latifolia	3011402	9.054	17.43
2.	Terminalia crenulata	2210902	6.647	12.79
3.	Tectona grandis	1759435	5.290	10.18
4.	Pterocarpus mersupium	1150119	3.458	6.66
5.	Hardwickia binata	655064	1.969	3.79
6.	Grewia tiliaefolia	584624	1.758	3.38
7.	Dalbergia latifolia	422304	1.270	2.44
8.	Schleichera trijuga/oleosa	363601	1.093	2.10
9.	Terminalia paniculata	215207	0.647	1.25
10.	Boswellia serrata	122197	0.367	0.71
11.	Lagerstroemia lanceolata	58597	0.176	0.34
12.	Diospyros melanoxylon	18548	0.056	0.11
13.	Vitex altissima	5586	0.017	0.03
14.	Santalum album	1281	0.004	0.01
15.	Rest of species	6703590	20.154	38.78

About 40% of the growing stock is comprised of three species, namely Anogeissus latifolia (17.43%), Terminalia crenulata (12.79%) and Tectona grandis (10.18%).

Contribution of Sandal wood to growing stock is negligible. This point is worth noting becuase of the fact that this district is considered to have good Sandal wood forest.

Table showing the growing stock under different diameter classes have been enclosed in Annexure-XXV & XXVI.

4.22.3 GROWING STOCK BAMBOOS:

The following table gives the distribution of bamboos by species and quality class in the surveyed area :

The following table gives the distribution of bamboos by species and quality class in the surveyed area :

Table No. 46

S.N.	Species Name.	Quality-I		Quality-II		Quality-III		Total	
		No. of sample plots.	Area in km².	No. of sample plots.	Area in km².	No. of sample plots.	Area in km².	No. of sample plots.	Area in km².
1.	Bambusa arundinacea	15	151.65	1	10.11	3	30.33	19	192.09
2.	Dendrocalamus strictus.	60	606.60	11	111.21	21	212.31	92	930.12
	TOTAL	75	758.25	12	121.32	24	242.64	111	1122.21

Thus, out of total area under bamboo, 17% are covered with Bambusa arundinacea and 83% are with Dendrocalamus strictus. Out of quality-I area 80% are covered with Dendrocalamus strictus while 20% are covered with Bambusa arundinacea. The percentage of quality II & III are covered under. Dendrocalamus strictus is 92 and 87.5 respectively, while Bambusa arundinacea occupies 8% of the quality-II area and 12.5% of the quality-III area.

BAMBOO STOCK BY WEIGHT

The average height and weight of a sound green culm in diameter classes 2 cm. to <5 cm., 5 cm. to < 8 cm., and 8 cms.& above was worked out from the data recorded in Bamboo Weight Form which is presented below:

Table No.47

S.N.	Species Name	Culm dia. class.	Average height of culm in metre.	Average green weight of a culm in kg.	Average air dry weight of a culm in kg.	Average air dry weight as a culm percentage of the average green weight.
1.	Bambusa arundinacea.	2 cm to <5 cm.	6.186	4.838	1.979	40.905
		5 cm to <8 cm.	8.550	17.311	6.681	38.594
		8 cm & above	20.000	46.79	28.444	60.791
2.	Dendrocalamus strictus.	2 cm to <5 cm.	5.276	3,915	2.017	51.520
		5 cm to <8 cm.	6.15	12.339	6.644	53.846
		8 cm.& above	0.00	0.000	0.000	0.000

Here utilizable length reckoned upto 1 cm. culm diameter only. The above data has been used for calculating the bamboo stock of weight in the surveyed area. The results have been enclosed in the Annexure-XLIV & XLV.

From the result the total bamboo stock (Green Weight) comes to 137844 tonnes and its dry equivalent weight is 23518 tonnes.It is also seen that about 17.28% of the total bamboo stock consists of dry culms. Out of the balance 114026 tonnes about 31.72% or 36164 tonnes are damaged, which is indicative of the considerable biotic and wild life pressure on the bamboo in the district.

It is also seen that 30370 tonnes out of the 137844 tonnes of the green bamboo stock i.e., 22% consists of current year culm. Therefore, it can be concluded that the surveyed area can yield 30370 tonnes of bamboos per year if due attention on careful nurturing of the stock is given and the dry and decayed bamboos are timely removed to eliminate fire hazards.

4.23 STANDARD ERROR:

Standard error is a useful indicator of the error involved in estimating the various parameters. It expresses the error as a percentage of the mean value of the parameter. The following tables indicate the size of the error when the surveyed area is attempted to be stratified in different ways.

Table No.48

SE% OF GROWING STOCK OF TREE FOREST AREA STRATIFIED BY LEGAL STATUS

S.N.	Type of forests.	No. of sample points	Stems/ha.	S.E.%	Volume/ ha. in m^3.	S.E.%	Probability level.
1	2	3	4	5	6	7	8
1.	Reserved Forests.	224	155.714	6.435	41.706	11.929	95%
2.	Protected Forests.	2	125.000	4.000	22.215	39.410	95%
3.	Unclassed Forests.	6	40.000	41.332	4.672	40.140	95%
4.	National Park	114	195.351	8.071	81.063	12.124	95%
TOTAL		346	166.590	5.035	53.918	8.856	95%

Table No. 49

SE% OF GROWING STOCK OF TREE FOREST AREA STRATIFIED BY FOREST TYPE

1	2	3	4	5	6	7	8
1.	Teak Forests.	15	218.667	13.846	102.613	11.586	95%
2.	Bamboo Forests.	2	75.000	86.667	11.020	51.815	95%
3.	Misc. Forests.	329	164.62	5.324	51.959	9.369	95%
TOTAL		346	166.590	5.096	53.918	8.754	95%

Table No.50

SE% OF GROWING STOCK OF TREE FOREST AREA STRATIFIED BY FOREST DIVN.

1	2	3	4	5	6	7	8
1.	Hunsur	18	164.444	18.569	55.373	24.349	95%
2.	Mysore	38	190.789	14.300	80.368	17.080	95%
3.	Chamrajnagar	46	157.391	16.732	52.322	23.553	95%
4.	Kollegal	165	154.656	7.523	36.839	15.091	95%
5.	Bandipur Tiger Project.	79	185.190	10.288	77.466	16.538	95%
TOTAL		346	166.590	5.119	53.918	8.857	95%

Table No. 51

SE% of Growing Stock of Bamboo

Species	No. of Sample Points	Mean No. of culms/ha	SE%	Porbability Level
BAMBUSA ARUNDINACEA	16	1300.833	32.152	95%
DENDROCALAMUS STRICTUS	82	2381.522	14.812	95%

ANNEXURE I

Table showing the Growing Stand per hec of MYSORE District
No of Sample Plots-346 Area-3498.06 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	16.358	7.775	4.220	2.168	1.185	0.665	0.838	0.173	0.000	0.029	33.410
133	BOSWELLIA SERRATA	0.925	0.694	0.145	0.087	0.087	0.058	0.029	0.000	0.000	0.000	2.023
266	DALBERGIA LATIFOLIA	1.127	0.780	0.665	0.462	0.260	0.087	0.116	0.029	0.029	0.029	3.584
285	DIOSPYROS MELANOXYLON	0.318	0.116	0.087	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.549
431	GREWIA TIELIAEFOLIA	2.861	1.387	0.549	0.376	0.434	0.231	0.231	0.087	0.000	0.029	6.185
441	HARDWICKIA BINATA	3.092	1.676	1.647	0.578	0.607	0.347	0.751	0.029	0.462	0.000	9.191
504	LAGERSTROEMIA LANCEOLATA	0.173	0.058	0.000	0.000	0.000	0.000	0.029	0.000	0.029	0.029	0.318
722	PTEROCARPUS MARSUPIUM	1.127	1.127	1.012	0.809	0.289	0.173	0.318	0.145	0.347	0.087	5.434
780	SANTALUM ALBUM	0.087	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.116
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.058	0.058	0.087	0.029	0.029	0.087	0.029	0.058	0.087	0.520
858	TECTONA GRANDIS	1.445	1.329	1.792	1.358	1.098	1.012	1.387	0.665	0.347	0.173	10.607
866	TERMINALIA CRENULATA	5.376	2.370	1.908	1.156	0.578	0.491	0.780	0.405	0.202	0.087	13.353
869	TERMINALIA PANICULATA	1.040	0.173	0.405	0.145	0.202	0.116	0.000	0.029	0.029	0.000	2.139
898	VITEX ALTISSIMA	0.000	0.000	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.029
RRR	REST OF SPECIES	46.272	16.590	6.445	3.757	1.792	1.301	1.358	0.491	0.665	0.318	78.988
		80.201	34.162	18.933	11.041	6.561	4.510	5.924	2.082	2.168	0.868	166.445

34.9806 ha

699.612

691

ANNEXURE II

Table showing the Growing Stand (in lacs) of MYSORE District
No of Sample Plots-346 Area-3498.06 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	57.221	27.197	14.762	7.584	4.145	2.326	2.931	0.605	0.000	0.101	116.872
133	BOSWELLIA SERRATA	3.236	2.428	0.507	0.304	0.304	0.203	0.101	0.000	0.000	0.000	7.077
266	DALBERGIA LATIFOLIA	3.942	2.728	2.326	1.616	0.909	0.304	0.406	0.101	0.101	0.101	12.536
285	DIOSPYROS MELANOXYLON	1.112	0.406	0.304	0.101	0.000	0.000	0.000	0.000	0.000	0.000	1.921
431	GREWIA TIELIAEFOLIA	10.008	4.852	1.920	1.315	1.518	0.808	0.808	0.304	0.000	0.101	21.635
441	HARDWICKIA BINATA	10.816	5.863	5.761	2.022	2.123	1.214	2.627	0.101	1.616	0.000	32.150
504	LAGERSTROEMIA LANCEOLATA	0.605	0.203	0.000	0.000	0.000	0.000	0.101	0.000	0.101	0.101	1.112
722	PTEROCARPUS MARSUPIUM	3.942	3.942	3.540	2.830	1.011	0.605	1.112	0.507	1.214	0.304	19.007
780	SANTALUM ALBUM	0.304	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.404
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.203	0.203	0.304	0.101	0.101	0.304	0.101	0.203	0.304	1.820
858	TECTONA GRANDIS	5.055	4.649	6.269	4.750	3.841	3.540	4.852	2.326	1.214	0.605	37.104
866	TERMINALIA CRENULATA	18.806	8.290	6.674	4.044	2.022	1.718	2.728	1.417	0.707	0.304	46.708
869	TERMINALIA PANICULATA	3.638	0.605	1.417	0.507	0.707	0.406	0.000	0.101	0.101	0.000	7.481
898	VITEX ALTISSIMA	0.000	0.000	0.000	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.101
RRR	REST OF SPECIES	161.862	58.033	22.545	13.142	6.269	4.551	4.750	1.718	2.326	1.112	276.306
		280.548	119.501	66.229	38.622	22.951	15.776	20.723	7.283	7.584	3.036	582.235

ANNEXURE III

Table showing the Growing Stand per hec. in Teak Forest of MYSORE District
No of Sample Plots-15 Area-151.65 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	21.333	12.000	4.667	3.333	2.000	2.000	3.333	0.000	0.000	0.000	48.667
266	DALBERGIA LATIFOLIA	0.000	2.000	1.333	2.000	1.333	2.000	0.667	0.000	0.000	0.000	9.333
431	GREWIA TIELIAEFOLIA	0.667	2.000	1.333	0.000	2.000	0.000	0.667	0.000	0.000	0.000	6.667
504	LAGERSTROEMIA LANCEOLATA	2.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.667	0.000	2.667
722	PTEROCARPUS MARSUPIUM	1.333	1.333	0.000	0.667	0.000	1.333	0.000	0.667	0.000	0.000	5.333
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.000	0.667	0.000	0.000	0.667	0.000	0.667	0.000	2.000
858	TECTONA GRANDIS	8.000	5.333	10.000	8.000	6.000	8.000	6.667	5.333	2.667	2.000	62.000
866	TERMINALIA CRENULATA	8.000	2.667	5.333	3.333	0.000	0.000	0.000	0.000	0.000	0.000	19.333
869	TERMINALIA PANICULATA	0.000	0.000	0.667	0.000	0.000	0.667	0.000	0.000	0.000	0.000	1.333
RRR	REST OF SPECIES	30.000	16.000	8.000	3.333	2.000	0.667	0.000	0.000	1.333	0.000	61.333
		71.333	41.333	31.333	21.333	13.333	14.667	12.001	6.000	5.334	2.000	218.667

ANNEXURE IV

Table showing the Growing Stand (in lacs) in Teak Forest of MYSORE District
No of Sample Plots-15 Area-151.65 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	3.235	1.820	0.708	0.505	0.303	0.303	0.505	0.000	0.000	0.000	7.380
266	DALBERGIA LATIFOLIA	0.000	0.303	0.202	0.303	0.202	0.303	0.101	0.000	0.000	0.000	1.415
431	GREWIA TIELIAEFOLIA	0.101	0.303	0.202	0.000	0.303	0.000	0.101	0.000	0.000	0.000	1.011
504	LAGERSTROEMIA LANCEOLATA	0.303	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.101	0.000	0.404
722	PTEROCARPUS MARSUPIUM	0.202	0.202	0.000	0.101	0.000	0.202	0.000	0.101	0.000	0.000	0.809
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.000	0.101	0.000	0.000	0.101	0.000	0.101	0.000	0.303
858	TECTONA GRANDIS	1.213	0.809	1.517	1.213	0.910	1.213	1.011	0.809	0.404	0.303	9.402
866	TERMINALIA CRENULATA	1.213	0.404	0.809	0.505	0.000	0.000	0.000	0.000	0.000	0.000	2.932
869	TERMINALIA PANICULATA	0.000	0.000	0.101	0.000	0.000	0.101	0.000	0.000	0.000	0.000	0.202
RRR	REST OF SPECIES	4.550	2.426	1.213	0.505	0.303	0.101	0.000	0.000	0.202	0.000	9.301
		10.818	6.268	4.752	3.235	2.022	2.224	1.820	0.910	0.809	0.303	33.161

ANNEXURE V

Table showing the Growing Stand per hec. in Bamboo Forest of MYSORE District
No of Sample Plots-2 Area-20.22 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
266	DALBERGIA LATIFOLIA	25.000	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.000
431	GREWIA TIELIAEFOLIA	0.000	5.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.000
722	PTEROCARPUS MARSUPIUM	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.000
780	SANTALUM ALBUM	5.000	5.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.000
866	TERMINALIA CRENULATA	5.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.000
RRR	REST OF SPECIES	5.000	0.000	0.000	0.000	5.000	0.000	0.000	0.000	0.000	0.000	10.000
		50.000	20.000	0.000	0.000	5.000	0.000	0.000	0.000	0.000	0.000	75.000

ANNEXURE VI

Table showing the Growing Stand in Bamboo forest (in lacs) of MYSORE District
No of Sample Plots-2 Area-20.22 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
266	DALBERGIA LATIFOLIA	0.505	0.202	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.708
431	GREWIA TIELIAEFOLIA	0.000	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.101
722	PTEROCARPUS MARSUPIUM	0.202	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.202
780	SANTALUM ALBUM	0.101	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.202
866	TERMINALIA CRENULATA	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.101
RRR	REST OF SPECIES	0.101	0.000	0.000	0.000	0.101	0.000	0.000	0.000	0.000	0.000	0.202
		1.011	0.404	0.000	0.000	0.101	0.000	0.000	0.000	0.000	0.000	1.517

ANNEXURE VII

Table showing the Growing Stand per hec. in Miscellaneous Forest of MYSORE District
No of Sample Plots-329 Area-3326.19 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	16.231	7.629	4.225	2.128	1.155	0.608	0.729	0.182	0.000	0.030	32.918
133	BOSWELLIA SERRATA	0.973	0.729	0.152	0.091	0.091	0.061	0.030	0.000	0.000	0.000	2.128
266	DALBERGIA LATIFOLIA	1.033	0.669	0.638	0.395	0.213	0.000	0.091	0.030	0.030	0.030	3.131
285	DIOSPYROS MELANOXYLON	0.334	0.122	0.091	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.578
431	GREWIA TIELIAEFOLIA	2.979	1.337	0.517	0.395	0.365	0.243	0.213	0.091	0.000	0.030	6.170
441	HARDWICKIA BINATA	3.252	1.763	1.733	0.608	0.638	0.365	0.790	0.030	0.486	0.000	9.666
504	LAGERSTROEMIA LANCEOLATA	0.091	0.061	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.030	0.213
722	PTEROCARPUS MARSUPIUM	1.064	1.125	1.064	0.821	0.304	0.122	0.334	0.122	0.365	0.091	5.410
780	SANTALUM ALBUM	0.061	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.061
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.061	0.061	0.061	0.030	0.030	0.061	0.030	0.030	0.091	0.456
858	TECTONA GRANDIS	1.155	1.155	1.429	1.064	0.881	0.699	1.155	0.456	0.243	0.091	8.328
866	TERMINALIA CRENULATA	5.258	2.371	1.763	1.064	0.608	0.517	0.821	0.426	0.213	0.091	13.131
869	TERMINALIA PANICULATA	1.094	0.182	0.395	0.152	0.213	0.091	0.000	0.030	0.030	0.000	2.188
898	VITEX ALTISSIMA	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.030
RRR	REST OF SPECIES	47.264	16.717	6.413	3.799	1.763	1.337	1.429	0.517	0.638	0.334	80.213
		80.789	33.921	18.481	10.638	6.261	4.073	5.683	1.914	2.035	0.818	164.620

ANNEXURE VIII

Table showing the Growing Stand (in lacs) in Miscellaneous Forest of MYSORE District
No of Sample Plots-329 Area-3326.19 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	53.987	25.376	14.053	7.078	3.842	2.022	2.425	0.605	0.000	0.100	109.491
133	BOSWELLIA SERRATA	3.236	2.425	0.506	0.303	0.303	0.203	0.100	0.000	0.000	0.000	7.077
266	DALBERGIA LATIFOLIA	3.436	2.225	2.122	1.314	0.708	0.000	0.303	0.100	0.100	0.100	10.413
285	DIOSPYROS MELANOXYLON	1.111	0.406	0.303	0.100	0.000	0.000	0.000	0.000	0.000	0.000	1.921
431	GREWIA TIELIAEFOLIA	9.909	4.447	1.720	1.314	1.214	0.808	0.708	0.303	0.000	0.100	20.523
441	HARDWICKIA BINATA	10.817	5.864	5.764	2.022	2.122	1.214	2.628	0.100	1.617	0.000	32.150
504	LAGERSTROEMIA LANCEOLATA	0.303	0.203	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.100	0.708
722	PTEROCARPUS MARSUPIUM	3.539	3.742	3.539	2.731	1.011	0.406	1.111	0.406	1.214	0.303	17.996
780	SANTALUM ALBUM	0.203	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.202
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.203	0.203	0.203	0.100	0.100	0.203	0.100	0.100	0.303	1.517
858	TECTONA GRANDIS	3.842	3.842	4.753	3.539	2.930	2.325	3.842	1.517	0.808	0.303	27.701
866	TERMINALIA CRENULATA	17.489	7.886	5.864	3.539	2.022	1.720	2.731	1.417	0.708	0.303	43.675
869	TERMINALIA PANICULATA	3.639	0.605	1.314	0.506	0.708	0.303	0.000	0.100	0.100	0.000	7.279
898	VITEX ALTISSIMA	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.101
RRR	REST OF SPECIES	157.209	55.604	21.331	12.636	5.864	4.447	4.753	1.720	2.122	1.111	266.803
		268.720	112.828	61.471	35.384	20.825	13.548	18.903	6.366	6.769	2.721	547.558

Table showing the Growing Stock per ha. of [illegible] Division [illegible] District

No of Sample Plots-48 Area-481.92 in Sq. Kms

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	9.444	3.889	3.333	0.556	2.778	0.556	2.222	0.000	0.000	0.000	22.778
266	DALBERGIA LATIFOLIA	4.444	3.333	1.111	1.667	0.000	0.000	0.000	0.000	0.000	0.000	10.556
285	DIOSPYROS MELANOXYLON	0.556	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.556
431	GREWIA TIELIAEFOLIA	0.000	1.111	0.000	0.000	0.000	0.000	0.556	0.000	0.000	0.000	1.667
504	LAGERSTROEMIA LANCEOLATA	2.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.222
722	PTEROCARPUS MARSUPIUM	5.000	0.000	1.111	0.556	0.000	0.556	1.111	0.000	0.556	0.000	8.889
780	SANTALUM ALBUM	1.667	0.556	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.222
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.556	0.000	0.000	0.000	0.000	0.000	0.000	0.556	0.000	1.111
858	TECTONA GRANDIS	0.000	1.111	2.778	1.667	1.667	2.778	1.111	1.667	0.556	0.000	13.333
866	TERMINALIA CRENULATA	9.444	4.444	4.444	2.222	1.111	2.222	1.111	0.556	0.000	0.000	25.556
869	TERMINALIA PANICULATA	2.222	0.000	0.000	0.556	1.111	1.111	0.000	0.556	0.000	0.000	5.556
RRR	REST OF SPECIES	35.556	15.556	8.333	5.000	1.667	2.778	0.556	0.556	0.000	0.000	70.000
		70.555	30.556	21.110	12.224	8.334	10.001	6.667	3.335	1.668	0.000	164.444

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ANNEXURE X

Table showing the Growing Stand (in lacs) of HUNSUR Division, MYSORE District
No of Sample Plots-18 Area-181.98 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	1.719	0.708	0.607	0.101	0.506	0.101	0.404	0.000	0.000	0.000	4.145
266	DALBERGIA LATIFOLIA	0.809	0.607	0.202	0.303	0.000	0.000	0.000	0.000	0.000	0.000	1.921
285	DIOSPYROS MELANOXYLON	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.101
431	GREWIA TIELIAEFOLIA	0.000	0.202	0.000	0.000	0.000	0.000	0.101	0.000	0.000	0.000	0.303
504	LAGERSTROEMIA LANCEOLATA	0.404	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.404
722	PTEROCARPUS MARSUPIUM	0.910	0.000	0.202	0.101	0.000	0.101	0.202	0.000	0.101	0.000	1.618
780	SANTALUM ALBUM	0.303	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.404
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.101	0.000	0.202
858	TECTONA GRANDIS	0.000	0.202	0.506	0.303	0.303	0.506	0.202	0.303	0.101	0.000	2.426
866	TERMINALIA CRENULATA	1.719	0.809	0.809	0.404	0.202	0.404	0.202	0.101	0.000	0.000	4.651
869	TERMINALIA PANICULATA	0.404	0.000	0.000	0.101	0.202	0.202	0.000	0.101	0.000	0.000	1.011
RRR	REST OF SPECIES	6.470	2.831	1.516	0.910	0.303	0.506	0.101	0.101	0.000	0.000	12.739
		12.840	5.561	3.842	2.225	1.517	1.820	1.213	0.607	0.304	0.000	29.926

ANNEXURE XI

Table showing the Growing Stand per hec. of MYSORE Division, MYSORE District
No of Sample Plots-38 Area-384.18 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	13.947	5.526	6.053	3.421	2.105	1.842	2.105	0.263	0.000	0.000	35.263
133	BOSWELLIA SERRATA	0.789	0.000	0.263	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.053
266	DALBERGIA LATIFOLIA	3.158	1.842	1.579	1.316	0.789	0.526	0.263	0.000	0.263	0.000	9.737
285	DIOSPYROS MELANOXYLON	0.789	0.526	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.316
431	GREWIA TIELIAEFOLIA	2.105	1.842	1.842	0.526	0.526	0.000	0.000	0.000	0.000	0.000	6.842
504	LAGERSTROEMIA LANCEOLATA	0.263	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.263	0.263	0.789
722	PTEROCARPUS MARSUPIUM	1.316	1.053	1.579	0.526	0.526	0.000	0.789	0.526	0.263	0.000	6.579
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.263	0.000	0.263	0.000	0.000	0.526	0.263	0.263	0.789	2.368
858	TECTONA GRANDIS	0.789	1.053	2.895	1.316	2.895	1.053	2.632	1.842	1.316	0.263	16.053
866	TERMINALIA CRENULATA	13.158	5.000	4.474	3.158	1.842	0.789	1.316	0.789	0.000	0.263	30.789
869	TERMINALIA PANICULATA	2.105	0.526	0.263	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.895
RRR	REST OF SPECIES	39.211	15.000	9.474	5.000	2.105	2.368	1.579	1.053	0.526	0.789	77.105
		77.630	32.631	28.422	15.526	10.788	6.578	9.210	4.736	2.894	2.367	190.789

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ANNEXURE XII

Table showing the Growing Stand (in lacs) of MYSORE Division, MYSORE District
No of Sample Plots-38 Area-384.18 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	5.358	2.123	2.325	1.314	0.809	0.708	0.809	0.101	0.000	0.000	13.547
133	BOSWELLIA SERRATA	0.303	0.000	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.404
266	DALBERGIA LATIFOLIA	1.213	0.708	0.607	0.506	0.303	0.202	0.101	0.000	0.101	0.000	3.741
285	DIOSPYROS MELANOXYLON	0.303	0.202	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.505
431	GREWIA TIELIAEFOLIA	0.809	0.708	0.708	0.202	0.202	0.000	0.000	0.000	0.000	0.000	2.629
504	LAGERSTROEMIA LANCEOLATA	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.101	0.101	0.303
722	PTEROCARPUS MARSUPIUM	0.506	0.405	0.607	0.202	0.202	0.000	0.303	0.202	0.101	0.000	2.528
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.101	0.000	0.101	0.000	0.000	0.202	0.101	0.101	0.303	0.910
858	TECTONA GRANDIS	0.303	0.405	1.112	0.506	1.112	0.405	1.011	0.708	0.506	0.101	6.167
866	TERMINALIA CRENULATA	5.055	1.921	1.719	1.213	0.708	0.303	0.506	0.303	0.000	0.101	11.829
869	TERMINALIA PANICULATA	0.809	0.202	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.112
RRR	REST OF SPECIES	15.064	5.763	3.640	1.921	0.809	0.910	0.607	0.405	0.202	0.303	29.622
		29.824	12.536	10.919	5.965	4.145	2.527	3.538	1.819	1.112	0.909	73.298

ANNEXURE XIII

Table showing the Growing Stand per hec. of CHAMARAJANAGARA Division, MYSORE District
No of Sample Plots-46 Area-465.06 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	12.826	5.652	4.565	2.391	1.087	1.304	1.739	0.000	0.000	0.000	29.565
266	DALBERGIA LATIFOLIA	1.087	0.435	0.435	0.000	0.217	0.000	0.217	0.000	0.000	0.217	2.609
285	DIOSPYROS MELANOXYLON	0.652	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.652
431	GREWIA TIELIAEFOLIA	4.783	2.391	0.435	1.087	0.652	1.087	0.435	0.217	0.000	0.000	11.087
441	HARDWICKIA BINATA	0.217	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.217
722	PTEROCARPUS MARSUPIUM	1.957	0.435	0.652	0.435	0.217	0.435	0.217	0.435	0.000	0.000	4.783
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.000	0.000	0.217	0.000	0.000	0.000	0.000	0.000	0.217
858	TECTONA GRANDIS	1.304	0.652	0.652	0.217	0.217	0.000	0.217	0.000	0.000	0.000	3.261
866	TERMINALIA CRENULATA	5.217	1.739	0.870	0.652	0.870	0.652	1.304	0.435	0.652	0.435	12.826
869	TERMINALIA PANICULATA	0.217	0.217	0.652	0.435	0.435	0.000	0.000	0.000	0.000	0.000	1.957
RRR	REST OF SPECIES	57.609	13.043	6.087	5.000	2.174	1.739	1.522	1.087	1.304	0.652	90.217
		85.869	24.564	14.348	10.217	6.086	5.217	5.651	2.174	1.956	1.304	157.391

ANNEXURE XIV

Table showing the Growing Stand (in lacs) of CHAMARAJANAGARA Division, MYSORE District
No of Sample Plots-46 Area-465.06 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	5.965	2.629	2.123	1.112	0.506	0.606	0.809	0.000	0.000	0.000	13.750
266	DALBERGIA LATIFOLIA	0.506	0.202	0.202	0.000	0.101	0.000	0.101	0.000	0.000	0.101	1.213
285	DIOSPYROS MELANOXYLON	0.303	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.303
431	GREWIA TIELIAEFOLIA	2.224	1.112	0.202	0.506	0.303	0.506	0.202	0.101	0.000	0.000	5.156
441	HARDWICKIA BINATA	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.101
722	PTEROCARPUS MARSUPIUM	0.910	0.202	0.303	0.202	0.101	0.202	0.101	0.202	0.000	0.000	2.224
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.000	0.000	0.101	0.000	0.000	0.000	0.000	0.000	0.101
858	TECTONA GRANDIS	0.606	0.303	0.303	0.101	0.101	0.000	0.101	0.000	0.000	0.000	1.517
866	TERMINALIA CRENULATA	2.426	0.809	0.405	0.303	0.405	0.303	0.606	0.202	0.303	0.202	5.965
869	TERMINALIA PANICULATA	0.101	0.101	0.303	0.202	0.202	0.000	0.000	0.000	0.000	0.000	0.910
RRR	REST OF SPECIES	26.792	6.066	2.831	2.325	1.011	0.809	0.708	0.506	0.606	0.303	41.957
		39.934	11.424	6.673	4.752	2.830	2.426	2.628	1.011	0.910	0.606	73.196

ANNEXURE XV

Table showing the Growing Stand per hec. of KOLLEGAL Division, MYSORE District
No of Sample Plots-165 Area-1668.15 in Sq. Kms.

SCODE SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072 ANOGEISSUS LATIFOLIA	13.333	6.909	3.515	1.697	0.667	0.242	0.121	0.061	0.000	0.000	26.545
133 BOSWELLIA SERRATA	1.515	1.394	0.121	0.182	0.182	0.121	0.061	0.000	0.000	0.000	3.576
266 DALBERGIA LATIFOLIA	0.000	0.000	0.121	0.061	0.000	0.000	0.000	0.000	0.000	0.000	0.182
285 DIOSPYROS MELANOXYLON	0.000	0.061	0.182	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.242
431 GREWIA TIELIAEFOLIA	1.394	0.909	0.121	0.303	0.242	0.000	0.061	0.000	0.000	0.000	3.030
441 HARDWICKIA BINATA	6.424	3.515	3.455	1.212	1.273	0.727	1.576	0.061	0.970	0.000	19.212
722 PTEROCARPUS MARSUPIUM	0.242	1.636	0.788	1.030	0.364	0.121	0.182	0.061	0.606	0.061	5.091
858 TECTONA GRANDIS	0.121	0.182	0.485	0.121	0.121	0.303	0.182	0.000	0.000	0.061	1.576
866 TERMINALIA CRENULATA	2.000	1.030	0.424	0.424	0.121	0.182	0.061	0.121	0.000	0.000	4.364
869 TERMINALIA PANICULATA	0.424	0.000	0.182	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.606
RRR REST OF SPECIES	55.212	19.455	6.545	3.273	2.000	1.152	1.333	0.242	0.788	0.182	90.182
	80.665	35.091	15.939	8.303	4.970	2.848	3.577	0.546	2.364	0.304	154.606

ANNEXURE XVI

Table showing the Growing Stand (in lacs) of KOLLEGAL Division, MYSORE District
No of Sample Plots-165 Area-1668.15 in Sq. Km.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	22.241	11.525	5.864	2.831	1.113	0.404	0.202	0.102	0.000	0.000	44.282
133	BOSWELLIA SERRATA	2.527	2.325	0.202	0.304	0.304	0.202	0.102	0.000	0.000	0.000	5.965
266	DALBERGIA LATIFOLIA	0.000	0.000	0.202	0.102	0.000	0.000	0.000	0.000	0.000	0.000	0.303
285	DIOSPYROS MELANOXYLON	0.000	0.102	0.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.404
431	GREWIA TIELIAEFOLIA	2.325	1.516	0.202	0.505	0.404	0.000	0.102	0.000	0.000	0.000	5.055
441	HARDWICKIA BINATA	10.716	5.864	5.763	2.022	2.124	1.213	2.629	0.102	1.618	0.000	32.049
722	PTEROCARPUS MARSUPIUM	0.404	2.729	1.315	1.718	0.607	0.202	0.304	0.102	1.011	0.102	8.492
858	TECTONA GRANDIS	0.202	0.304	0.809	0.202	0.202	0.505	0.304	0.000	0.000	0.102	2.629
866	TERMINALIA CRENULATA	3.336	1.718	0.707	0.707	0.202	0.304	0.102	0.202	0.000	0.000	7.279
869	TERMINALIA PANICULATA	0.707	0.000	0.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.011
RRR	REST OF SPECIES	92.102	32.454	10.918	5.460	3.336	1.922	2.224	0.404	1.315	0.304	150.437
		134.561	58.537	26.589	13.851	8.291	4.751	5.967	0.911	3.944	0.507	257.906

ANNEXURE XVII

Table showing the Growing Stand per hec.. of BANDIPUR TIGER PROJECT Division, MYSORE District
No of Sample Plots-79 Area-798.69 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	27.468	12.785	4.810	2.785	1.519	0.633	0.886	0.506	0.000	0.127	51.519
133	BOSWELLIA SERRATA	0.506	0.127	0.253	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.886
266	DALBERGIA LATIFOLIA	1.772	1.519	1.392	0.886	0.633	0.127	0.253	0.127	0.000	0.000	6.709
285	DIOSPYROS MELANOXYLON	0.506	0.127	0.000	0.127	0.000	0.000	0.000	0.000	0.000	0.000	0.759
431	GREWIA TIELIAEFOLIA	5.823	1.646	1.013	0.127	0.759	0.380	0.506	0.253	0.000	0.127	10.633
504	LAGERSTROEMIA LANCEOLATA	0.127	0.253	0.000	0.000	0.000	0.000	0.127	0.000	0.000	0.000	0.506
722	PTEROCARPUS MARSUPIUM	1.519	0.759	1.392	0.759	0.127	0.127	0.253	0.000	0.000	0.253	5.190
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.253	0.253	0.000	0.127	0.127	0.000	0.000	0.000	0.759
858	TECTONA GRANDIS	4.937	4.304	4.430	4.557	2.658	2.658	4.051	1.646	0.759	0.506	30.506
866	TERMINALIA CRENULATA	7.848	3.797	3.797	1.772	0.633	0.506	1.646	0.759	0.506	0.000	21.266
869	TERMINALIA PANICULATA	2.025	0.380	0.886	0.253	0.380	0.253	0.000	0.000	0.127	0.000	4.304
898	VITEX ALTISSIMA	0.000	0.000	0.000	0.127	0.000	0.000	0.000	0.000	0.000	0.000	0.127
RRR	REST OF SPECIES	26.835	13.671	4.557	3.165	1.013	0.506	1.392	0.380	0.253	0.253	52.025
		79.366	39.368	22.783	14.811	7.722	5.317	9.241	3.671	1.645	1.266	185.190

ANNEXURE XVIII

Table showing the Growing Stand (in lacs) of BANDIPUR TIGER PROJECT Division, MYSORE District
No of Sample Plots-79 Area-798.69 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	21.938	10.211	3.842	2.224	1.213	0.506	0.708	0.404	0.000	0.101	41.148
133	BOSWELLIA SERRATA	0.404	0.101	0.202	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.708
266	DALBERGIA LATIFOLIA	1.415	1.213	1.112	0.708	0.506	0.101	0.202	0.101	0.000	0.000	5.358
285	DIOSPYROS MELANOXYLON	0.404	0.101	0.000	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.607
431	GREWIA TIELIAEFOLIA	4.651	1.315	0.809	0.101	0.606	0.304	0.404	0.202	0.000	0.101	8.492
504	LAGERSTROEMIA LANCEOLATA	0.101	0.202	0.000	0.000	0.000	0.000	0.101	0.000	0.000	0.000	0.404
722	PTEROCARPUS MARSUPIUM	1.213	0.606	1.112	0.606	0.101	0.101	0.202	0.000	0.000	0.202	4.145
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.202	0.202	0.000	0.101	0.101	0.000	0.000	0.000	0.607
858	TECTONA GRANDIS	3.943	3.438	3.538	3.640	2.123	2.123	3.235	1.315	0.606	0.404	24.365
866	TERMINALIA CRENULATA	6.268	3.033	3.033	1.415	0.506	0.404	1.315	0.606	0.404	0.000	16.985
869	TERMINALIA PANICULATA	1.617	0.304	0.708	0.202	0.304	0.202	0.000	0.000	0.101	0.000	3.437
898	VITEX ALTISSIMA	0.000	0.000	0.000	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.101
RRR	REST OF SPECIES	21.433	10.919	3.640	2.528	0.809	0.404	1.112	0.304	0.202	0.202	41.552
		63.389	31.443	18.197	11.829	6.167	4.247	7.381	2.932	1.314	1.011	147.909

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ANNEXURE XIX

Table showing the Growing Stcok per hec. (in cu. mtr) of MYSORE District
No of Sample Plots-346 Area-3498.06 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	2.356	1.482	1.281	1.007	0.812	0.635	1.183	0.403	0.000	0.165	9.324
133	BOSWELLIA SERRATA	0.037	0.088	0.034	0.036	0.049	0.053	0.053	0.000	0.000	0.000	0.349
266	DALBERGIA LATIFOLIA	0.152	0.143	0.208	0.209	0.176	0.084	0.186	0.070	0.112	0.137	1.477
285	DIOSPYROS MELANOXYLON	0.013	0.016	0.015	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.053
431	GREWIA TIELIAEFOLIA	0.159	0.199	0.147	0.162	0.280	0.211	0.333	0.174	0.000	0.135	1.799
441	HARDWICKIA BINATA	0.214	0.142	0.185	0.090	0.140	0.116	0.374	0.028	0.584	0.000	1.873
504	LAGERSTROEMIA LANCEOLATA	0.012	0.007	0.000	0.000	0.000	0.000	0.042	0.000	0.084	0.113	0.258
722	PTEROCARPUS MARSUPIUM	0.064	0.161	0.282	0.387	0.190	0.165	0.456	0.332	1.023	0.371	3.430
780	SANTALUM ALBUM	0.006	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.016	0.020	0.058	0.029	0.038	0.158	0.096	0.214	0.590	1.218
858	TECTONA GRANDIS	0.095	0.204	0.468	0.546	0.641	0.802	1.636	1.206	0.869	0.796	7.264
866	TERMINALIA CRENULATA	0.773	0.462	0.573	0.526	0.406	0.479	1.144	0.972	0.713	0.483	6.532
869	TERMINALIA PANICULATA	0.059	0.024	0.114	0.067	0.134	0.102	0.000	0.056	0.090	0.000	0.647
898	VITEX ALTISSIMA	0.000	0.000	0.000	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.016
RRR	REST OF SPECIES	1.917	1.798	1.422	1.425	1.005	1.035	1.654	0.957	1.941	6.515	19.670
		5.857	4.744	4.749	4.538	3.862	3.720	7.219	4.294	5.630	9.305	53.918

ANNEXURE XX

Table showing the Growing Stock (in lacs cu.mtr.) of MYSORE District
No of Sample Plots-346 Area-3498.06 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	8.241	5.184	4.481	3.523	2.840	2.221	4.138	1.410	0.000	0.577	32.615
133	BOSWELLIA SERRATA	0.129	0.308	0.119	0.126	0.171	0.185	0.185	0.000	0.000	0.000	1.222
266	DALBERGIA LATIFOLIA	0.532	0.500	0.728	0.731	0.616	0.294	0.651	0.245	0.392	0.479	5.167
285	DIOSPYROS MELANOXYLON	0.045	0.056	0.052	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.185
431	GREWIA TIELIAEFOLIA	0.556	0.696	0.514	0.567	0.979	0.738	1.165	0.609	0.000	0.472	6.294
441	HARDWICKIA BINATA	0.749	0.497	0.647	0.315	0.490	0.406	1.308	0.098	2.043	0.000	6.551
504	LAGERSTROEMIA LANCEOLATA	0.042	0.024	0.000	0.000	0.000	0.000	0.147	0.000	0.294	0.395	0.902
722	PTEROCARPUS MARSUPIUM	0.224	0.563	0.986	1.354	0.665	0.577	1.595	1.161	3.579	1.298	12.000
780	SANTALUM ALBUM	0.021	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.056	0.070	0.203	0.101	0.133	0.553	0.336	0.749	2.064	4.261
858	TECTONA GRANDIS	0.332	0.714	1.637	1.910	2.242	2.805	5.723	4.219	3.040	2.784	25.409
866	TERMINALIA CRENULATA	2.704	1.616	2.004	1.840	1.420	1.676	4.002	3.400	2.494	1.690	22.848
869	TERMINALIA PANICULATA	0.206	0.084	0.399	0.234	0.469	0.357	0.000	0.196	0.315	0.000	2.263
898	VITEX ALTISSIMA	0.000	0.000	0.000	0.056	0.000	0.000	0.000	0.000	0.000	0.000	0.056
RRR	REST OF SPECIES	6.706	6.290	4.974	4.985	3.516	3.620	5.786	3.348	6.790	22.790	68.808
		20.488	16.595	16.612	15.874	13.510	13.013	25.252	15.021	19.694	32.549	188.609

ANNEXURE XXI

Table showing the Growing Stock per hec. (in cu. mtr.) of Teak Forest in MYSORE District
No of Sample Plots-15 Area-151.65 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	3.086	2.359	1.418	1.568	1.327	1.838	4.894	0.000	0.000	0.000	16.491
266	DALBERGIA LATIFOLIA	0.000	0.413	0.411	0.844	0.924	1.932	0.997	0.000	0.000	0.000	5.520
431	GREWIA TIELIAEFOLIA	0.059	0.286	0.382	0.000	1.277	0.000	0.838	0.000	0.000	0.000	2.841
504	LAGERSTROEMIA LANCEOLATA	0.158	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.928	0.000	2.086
722	PTEROCARPUS MARSUPIUM	0.086	0.151	0.000	0.325	0.000	1.295	0.000	1.355	0.000	0.000	3.212
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.000	0.508	0.000	0.000	1.150	0.000	2.463	0.000	4.121
858	TECTONA GRANDIS	0.536	0.727	2.708	3.316	3.629	6.030	8.435	10.053	7.343	8.753	51.530
866	TERMINALIA CRENULATA	1.159	0.564	1.641	1.417	0.000	0.000	0.000	0.000	0.000	0.000	4.781
869	TERMINALIA PANICULATA	0.000	0.000	0.143	0.000	0.000	0.588	0.000	0.000	0.000	0.000	0.730
RRR	REST OF SPECIES	1.285	1.764	1.760	1.301	1.123	0.511	0.000	0.000	3.557	0.000	11.301
		6.369	6.264	8.463	9.279	8.280	12.194	16.314	11.408	15.291	8.753	102.613

ANNEXURE XXII

Table showing the Growing Stcok (.in lacs cu.mtr.) of Teak Forest in MYSORE District
No of Sample Plots-15 Area-151.65 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	0.468	0.358	0.215	0.238	0.201	0.279	0.742	0.000	0.000	0.000	2.501
266	DALBERGIA LATIFOLIA	0.000	0.063	0.062	0.128	0.140	0.293	0.151	0.000	0.000	0.000	0.837
431	GREWIA TIELIAEFOLIA	0.009	0.043	0.058	0.000	0.194	0.000	0.127	0.000	0.000	0.000	0.431
504	LAGERSTROEMIA LANCEOLATA	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.292	0.000	0.316
722	PTEROCARPUS MARSUPIUM	0.013	0.023	0.000	0.049	0.000	0.196	0.000	0.205	0.000	0.000	0.487
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.000	0.077	0.000	0.000	0.174	0.000	0.374	0.000	0.625
858	TECTONA GRANDIS	0.081	0.110	0.411	0.503	0.550	0.914	1.279	1.525	1.114	1.327	7.815
866	TERMINALIA CRENULATA	0.176	0.086	0.249	0.215	0.000	0.000	0.000	0.000	0.000	0.000	0.725
869	TERMINALIA PANICULATA	0.000	0.000	0.022	0.000	0.000	0.089	0.000	0.000	0.000	0.000	0.111
RRR	REST OF SPECIES	0.195	0.268	0.267	0.197	0.170	0.077	0.000	0.000	0.539	0.000	1.714
		0.966	0.950	1.283	1.407	1.256	1.849	2.474	1.730	2.319	1.327	15.561

ANNEXURE XXIII

Table showing the Growing Stock per hec.(in cu. mtr.) of Bamboo Forest Forest in MYSORE District
No of Sample Plots-2 Area-20.22 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
266	DALBERGIA LATIFOLIA	3.449	1.836	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.284
431	GREWIA TIELIAEFOLIA	0.000	0.822	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.822
722	PTEROCARPUS MARSUPIUM	0.576	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.576
780	SANTALUM ALBUM	0.368	0.384	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.751
866	TERMINALIA CRENULATA	0.701	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.701
RRR	REST OF SPECIES	0.231	0.000	0.000	0.000	2.656	0.000	0.000	0.000	0.000	0.000	2.887
		5.325	3.042	0.000	0.000	2.656	0.000	0.000	0.000	0.000	0.000	11.020

ANNEXURE XXIV

Table showing the Growing Stock (in lacs cu.mtr.) of Bamboo Forest Forest in MYSORE District
No of Sample Plots-2 Area-20.22 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
266	DALBERGIA LATIFOLIA	0.070	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.107
431	GREWIA TIELIAEFOLIA	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017
722	PTEROCARPUS MARSUPIUM	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012
780	SANTALUM ALBUM	0.007	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015
866	TERMINALIA CRENULATA	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014
RRR	REST OF SPECIES	0.005	0.000	0.000	0.000	0.054	0.000	0.000	0.000	0.000	0.000	0.058
		0.108	0.062	0.000	0.000	0.054	0.000	0.000	0.000	0.000	0.000	0.223

ANNEXURE XXV

Table showing the Growing Stock per hec. (in cu. mtr.) of Miscellaneous Forest in MYSORE District
No of Sample Plots-329 Area-3326.19 in Sq. Kms.

SCODE SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072 ANOGEISSUS LATIFOLIA	2.337	1.451	1.283	0.987	0.793	0.584	1.021	0.424	0.000	0.173	9.054
133 BOSWELLIA SERRATA	0.039	0.092	0.036	0.038	0.051	0.056	0.056	0.000	0.000	0.000	0.367
266 DALBERGIA LATIFOLIA	0.139	0.121	0.200	0.181	0.143	0.000	0.150	0.074	0.118	0.144	1.270
285 DIOSPYROS MELANOXYLON	0.013	0.017	0.016	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.056
431 GREWIA TIELIAEFOLIA	0.164	0.192	0.137	0.170	0.236	0.222	0.312	0.183	0.000	0.142	1.758
441 HARDWICKIA BINATA	0.225	0.150	0.194	0.094	0.147	0.122	0.393	0.029	0.614	0.000	1.969
504 LAGERSTROEMIA LANCEOLATA	0.005	0.007	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.119	0.176
722 PTEROCARPUS MARSUPIUM	0.060	0.162	0.297	0.392	0.200	0.115	0.480	0.287	1.076	0.390	3.458
780 SANTALUM ALBUM	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
795 SCHLEICHERA TRIJUGA/OLEOS	0.000	0.017	0.021	0.038	0.031	0.040	0.114	0.101	0.112	0.620	1.093
858 TECTONA GRANDIS	0.076	0.182	0.368	0.423	0.509	0.568	1.335	0.810	0.580	0.438	5.290
866 TERMINALIA CRENULATA	0.756	0.460	0.528	0.488	0.427	0.504	1.203	1.023	0.750	0.508	6.647
869 TERMINALIA PANICULATA	0.062	0.026	0.114	0.071	0.141	0.080	0.000	0.059	0.094	0.000	0.647
898 VITEX ALTISSIMA	0.000	0.000	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.017
RRR REST OF SPECIES	1.957	1.811	1.416	1.440	0.990	1.065	1.740	1.006	1.879	6.851	20.154
	5.837	4.688	4.610	4.349	3.668	3.356	6.849	3.996	5.223	9.385	51.959

ANNEXURE XXVI

Table showing the Growing Stock (in lacs cu. mtr.) of Miscellaneous Forest in MYSORE District
No of Sample Plots-329 Area-3326.19 in Sq. Kms.

SCODE SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072 ANOGEISSUS LATIFOLIA	7.773	4.826	4.268	3.283	2.638	1.942	3.396	1.410	0.000	0.575	30.114
133 BOSWELLIA SERRATA	0.130	0.306	0.120	0.126	0.170	0.186	0.186	0.000	0.000	0.000	1.222
266 DALBERGIA LATIFOLIA	0.462	0.402	0.665	0.602	0.476	0.000	0.499	0.246	0.392	0.479	4.223
285 DIOSPYROS MELANOXYLON	0.043	0.057	0.053	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.185
431 GREWIA TIELIAEFOLIA	0.545	0.639	0.456	0.565	0.785	0.738	1.038	0.609	0.000	0.472	5.846
441 HARDWICKIA BINATA	0.748	0.499	0.645	0.313	0.489	0.406	1.307	0.096	2.042	0.000	6.551
504 LAGERSTROEMIA LANCEOLATA	0.017	0.023	0.000	0.000	0.000	0.000	0.150	0.000	0.000	0.396	0.586
722 PTEROCARPUS MARSUPIUM	0.200	0.539	0.988	1.304	0.665	0.383	1.597	0.955	3.579	1.297	11.501
780 SANTALUM ALBUM	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013
795 SCHLEICHERA TRIJUGA/OLEOS	0.000	0.057	0.070	0.126	0.103	0.133	0.379	0.336	0.373	2.062	3.636
858 TECTONA GRANDIS	0.253	0.605	1.224	1.407	1.693	1.889	4.440	2.694	1.929	1.457	17.594
866 TERMINALIA CRENULATA	2.515	1.530	1.756	1.623	1.420	1.676	4.001	3.403	2.495	1.690	22.109
869 TERMINALIA PANICULATA	0.206	0.086	0.379	0.236	0.469	0.266	0.000	0.196	0.313	0.000	2.152
898 VITEX ALTISSIMA	0.000	0.000	0.000	0.057	0.000	0.000	0.000	0.000	0.000	0.000	0.056
RRR REST OF SPECIES	6.509	6.024	4.710	4.790	3.293	3.542	5.788	3.346	6.250	22.788	67.036
	19.415	15.593	15.334	14.466	12.200	11.163	22.781	13.291	17.373	31.216	172.825

ANNEXURE XXVII

Table showing the Growing Stcok per hec. (in cu. mtr.) of HUNSUR Division, MYSORE District
No of Sample Plots-18 Area-181.98 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	1.354	0.755	1.109	0.307	2.020	0.545	2.823	0.000	0.000	0.000	8.913
266	DALBERGIA LATIFOLIA	0.608	0.669	0.373	0.886	0.000	0.000	0.000	0.000	0.000	0.000	2.536
285	DIOSPYROS MELANOXYLON	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020
431	GREWIA TIELIAEFOLIA	0.000	0.159	0.000	0.000	0.000	0.000	0.900	0.000	0.000	0.000	1.060
504	LAGERSTROEMIA LANCEOLATA	0.155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.155
722	PTEROCARPUS MARSUPIUM	0.291	0.000	0.253	0.248	0.000	0.589	1.400	0.000	1.549	0.000	4.331
780	SANTALUM ALBUM	0.111	0.043	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.154
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.157	0.000	0.000	0.000	0.000	0.000	0.000	2.052	0.000	2.210
858	TECTONA GRANDIS	0.000	0.165	0.792	0.746	0.994	2.184	1.275	2.916	1.268	0.000	10.339
866	TERMINALIA CRENULATA	1.364	0.843	1.433	0.959	0.745	2.079	1.615	1.445	0.000	0.000	10.482
869	TERMINALIA PANICULATA	0.159	0.000	0.000	0.295	0.829	0.980	0.000	1.081	0.000	0.000	3.343
RRR	REST OF SPECIES	1.500	1.659	1.788	2.064	0.909	2.250	0.651	1.012	0.000	0.000	11.833
		5.562	4.450	5.748	5.505	5.497	8.627	8.664	6.454	4.869	0.000	55.374

ANNEXURE XXVIII

Table showing the Growing Stcok (in lacs cu.mtr.) of HUNSUR Division, MYSORE District
No of Sample Plots-18 Area-181.98 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	0.246	0.137	0.202	0.056	0.368	0.099	0.514	0.000	0.000	0.000	1.622
266	DALBERGIA LATIFOLIA	0.111	0.122	0.068	0.161	0.000	0.000	0.000	0.000	0.000	0.000	0.461
285	DIOSPYROS MELANOXYLON	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
431	GREWIA TIELIAEFOLIA	0.000	0.029	0.000	0.000	0.000	0.000	0.164	0.000	0.000	0.000	0.193
504	LAGERSTROEMIA LANCEOLATA	0.028	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028
722	PTEROCARPUS MARSUPIUM	0.053	0.000	0.046	0.045	0.000	0.107	0.255	0.000	0.282	0.000	0.788
780	SANTALUM ALBUM	0.020	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.373	0.000	0.402
858	TECTONA GRANDIS	0.000	0.030	0.144	0.136	0.181	0.397	0.232	0.531	0.231	0.000	1.882
866	TERMINALIA CRENULATA	0.248	0.153	0.261	0.175	0.136	0.378	0.294	0.263	0.000	0.000	1.908
869	TERMINALIA PANICULATA	0.029	0.000	0.000	0.054	0.151	0.178	0.000	0.197	0.000	0.000	0.608
RRR	REST OF SPECIES	0.273	0.302	0.325	0.376	0.165	0.409	0.118	0.184	0.000	0.000	2.153
		1.012	0.810	1.046	1.002	1.000	1.570	1.577	1.174	0.886	0.000	10.077

ANNEXURE XXIX

Table showing the Growing Stcok per hec (cu. mtr.) of MYSORE Division, MYSORE District
No of Sample Plots-38 Area-384.18 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	2.009	1.022	1.739	1.592	1.349	1.694	3.070	0.576	0.000	0.000	13.052
133	BOSWELLIA SERRATA	0.040	0.000	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092
266	DALBERGIA LATIFOLIA	0.424	0.322	0.506	0.587	0.548	0.468	0.509	0.000	1.021	0.000	4.385
285	DIOSPYROS MELANOXYLON	0.037	0.072	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.108
431	GREWIA TIELIAEFOLIA	0.137	0.288	0.472	0.195	0.302	0.000	0.000	0.000	0.000	0.000	1.394
504	LAGERSTROEMIA LANCEOLATA	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.761	1.027	1.808
722	PTEROCARPUS MARSUPIUM	0.064	0.140	0.429	0.257	0.340	0.000	1.200	1.116	0.734	0.000	4.280
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.075	0.000	0.201	0.000	0.000	0.983	0.872	0.972	5.368	8.470
858	TECTONA GRANDIS	0.072	0.171	0.722	0.464	1.646	0.849	2.929	3.193	3.479	0.975	14.499
866	TERMINALIA CRENULATA	1.886	1.004	1.343	1.511	1.315	0.792	2.024	1.978	0.000	1.179	13.031
869	TERMINALIA PANICULATA	0.111	0.070	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.260
RRR	REST OF SPECIES	1.553	1.663	2.028	1.865	1.258	1.859	1.908	1.942	1.508	3.405	18.988
		6.352	4.827	7.372	6.672	6.758	5.662	12.623	9.677	8.475	11.954	80.368

ANNEXURE XXX

Table showing the Growing Stcok (in lacs cu.mtr.) of MYSORE Division, MYSORE District
No of Sample Plots-38 Area-384.18 in Sq. Kms.

SCODE SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072 ANOGEISSUS LATIFOLIA	0.772	0.393	0.668	0.612	0.518	0.651	1.179	0.221	0.000	0.000	5.014
133 BOSWELLIA SERRATA	0.015	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036
266 DALBERGIA LATIFOLIA	0.163	0.124	0.194	0.226	0.211	0.180	0.196	0.000	0.392	0.000	1.685
285 DIOSPYROS MELANOXYLON	0.014	0.028	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042
431 GREWIA TIELIAEFOLIA	0.053	0.111	0.181	0.075	0.116	0.000	0.000	0.000	0.000	0.000	0.536
504 LAGERSTROEMIA LANCEOLATA	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.292	0.395	0.694
722 PTEROCARPUS MARSUPIUM	0.025	0.054	0.165	0.099	0.131	0.000	0.461	0.429	0.282	0.000	1.644
795 SCHLEICHERA TRIJUGA/OLEOS	0.000	0.029	0.000	0.077	0.000	0.000	0.378	0.335	0.373	2.062	3.254
858 TECTONA GRANDIS	0.028	0.066	0.277	0.178	0.632	0.326	1.125	1.227	1.337	0.375	5.570
866 TERMINALIA CRENULATA	0.725	0.386	0.516	0.580	0.505	0.304	0.778	0.760	0.000	0.453	5.006
869 TERMINALIA PANICULATA	0.043	0.027	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100
RRR REST OF SPECIES	0.597	0.639	0.779	0.716	0.483	0.714	0.733	0.746	0.579	1.308	7.295
	2.440	1.854	2.832	2.563	2.596	2.175	4.850	3.718	3.256	4.592	30.876

ANNEXURE XXXI

Table showing the Growing Stcok per hec. (in cu. mtr.) of CHAMARAJANAGARA Division, MYSORE District
No of Sample Plots-46 Area-465.06 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	1.834	1.120	1.381	1.087	0.781	1.324	2.507	0.000	0.000	0.000	10.033
266	DALBERGIA LATIFOLIA	0.146	0.070	0.146	0.000	0.129	0.000	0.291	0.000	0.000	1.030	1.811
285	DIOSPYROS MELANOXYLON	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022
431	GREWIA TIELIAEFOLIA	0.249	0.304	0.099	0.515	0.385	1.010	0.609	0.480	0.000	0.000	3.651
441	HARDWICKIA BINATA	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014
722	PTEROCARPUS MARSUPIUM	0.101	0.082	0.198	0.204	0.125	0.422	0.387	0.989	0.000	0.000	2.508
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.000	0.000	0.221	0.000	0.000	0.000	0.000	0.000	0.221
858	TECTONA GRANDIS	0.080	0.113	0.174	0.102	0.135	0.000	0.215	0.000	0.000	0.000	0.820
866	TERMINALIA CRENULATA	0.744	0.344	0.240	0.308	0.606	0.654	1.950	1.108	2.201	2.658	10.813
869	TERMINALIA PANICULATA	0.011	0.031	0.198	0.204	0.270	0.000	0.000	0.000	0.000	0.000	0.714
RRR	REST OF SPECIES	2.314	1.429	1.325	1.869	1.165	1.393	1.815	2.146	3.963	4.296	21.715
		5.515	3.493	3.761	4.289	3.817	4.803	7.774	4.723	6.164	7.984	52.321

ANNEXURE XXXII

Table showing the Growing Stcok (in lacs cu.mtr.) of CHAMARAJANAGARA Division, MYSORE District
No of Sample Plots-46 Area-465.06 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	0.853	0.521	0.642	0.506	0.363	0.616	1.166	0.000	0.000	0.000	4.666
266	DALBERGIA LATIFOLIA	0.068	0.033	0.068	0.000	0.060	0.000	0.135	0.000	0.000	0.479	0.842
285	DIOSPYROS MELANOXYLON	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010
431	GREWIA TIELIAEFOLIA	0.116	0.141	0.046	0.240	0.179	0.470	0.283	0.223	0.000	0.000	1.698
441	HARDWICKIA BINATA	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007
722	PTEROCARPUS MARSUPIUM	0.047	0.038	0.092	0.095	0.058	0.196	0.180	0.460	0.000	0.000	1.166
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.000	0.000	0.103	0.000	0.000	0.000	0.000	0.000	0.103
858	TECTONA GRANDIS	0.037	0.053	0.081	0.047	0.063	0.000	0.100	0.000	0.000	0.000	0.381
866	TERMINALIA CRENULATA	0.346	0.160	0.112	0.143	0.282	0.304	0.907	0.515	1.024	1.236	5.028
869	TERMINALIA PANICULATA	0.005	0.014	0.092	0.095	0.126	0.000	0.000	0.000	0.000	0.000	0.332
RRR	REST OF SPECIES	1.076	0.665	0.616	0.869	0.542	0.648	0.844	0.998	1.843	1.998	10.099
		2.565	1.624	1.749	1.995	1.775	2.234	3.615	2.196	2.867	3.713	24.333

ANNEXURE XXXIII

Table showing the Growing Stcok per hec.(in cu. mtr.) of KOLLEGAL Division, MYSORE District
No of Sample Plots-165 Area-1668.15 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	1.913	1.309	1.097	0.783	0.453	0.219	0.175	0.158	0.000	0.000	6.107
133	BOSWELLIA SERRATA	0.057	0.178	0.029	0.075	0.102	0.112	0.111	0.000	0.000	0.000	0.664
266	DALBERGIA LATIFOLIA	0.000	0.000	0.032	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.055
285	DIOSPYROS MELANOXYLON	0.000	0.009	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041
431	GREWIA TIELIAEFOLIA	0.081	0.127	0.033	0.124	0.175	0.000	0.068	0.000	0.000	0.000	0.608
441	HARDWICKIA BINATA	0.445	0.299	0.387	0.188	0.294	0.244	0.783	0.058	1.225	0.000	3.923
722	PTEROCARPUS MARSUPIUM	0.016	0.234	0.242	0.502	0.241	0.103	0.259	0.163	1.807	0.244	3.812
858	TECTONA GRANDIS	0.006	0.027	0.129	0.047	0.066	0.243	0.251	0.000	0.000	0.231	1.000
866	TERMINALIA CRENULATA	0.285	0.199	0.129	0.185	0.088	0.175	0.095	0.284	0.000	0.000	1.439
869	TERMINALIA PANICULATA	0.025	0.000	0.059	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.084
RRR	REST OF SPECIES	2.305	2.080	1.472	1.210	1.126	0.916	1.623	0.493	2.263	5.618	19.106
		5.133	4.462	3.640	3.137	2.545	2.012	3.365	1.156	5.295	6.093	36.839

ANNEXURE XXXIV

Table showing the Growing Stock (in lacs cu.mtr.) of KOLLEGAL Division, MYSORE District
No of Sample Plots-165 Area-1668.15 in Sq. Kms.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	3.191	2.184	1.830	1.306	0.756	0.365	0.292	0.264	0.000	0.000	10.187
133	BOSWELLIA SERRATA	0.095	0.297	0.048	0.125	0.170	0.187	0.185	0.000	0.000	0.000	1.107
266	DALBERGIA LATIFOLIA	0.000	0.000	0.053	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.092
285	DIOSPYROS MELANOXYLON	0.000	0.015	0.052	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.068
431	GREWIA TIELIAEFOLIA	0.135	0.212	0.055	0.207	0.292	0.000	0.113	0.000	0.000	0.000	1.014
441	HARDWICKIA BINATA	0.742	0.499	0.646	0.314	0.490	0.407	1.306	0.097	2.043	0.000	6.544
722	PTEROCARPUS MARSUPIUM	0.027	0.390	0.404	0.837	0.402	0.172	0.432	0.272	3.014	0.407	6.358
858	TECTONA GRANDIS	0.010	0.045	0.215	0.078	0.110	0.405	0.419	0.000	0.000	0.385	1.667
866	TERMINALIA CRENULATA	0.475	0.332	0.215	0.309	0.147	0.292	0.158	0.474	0.000	0.000	2.401
869	TERMINALIA PANICULATA	0.042	0.000	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.141
RRR	REST OF SPECIES	3.845	3.470	2.456	2.018	1.878	1.528	2.707	0.822	3.775	9.372	31.872
		8.563	7.443	6.072	5.233	4.245	3.356	5.613	1.928	8.833	10.164	61.453

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ANNEXURE XXXV

Table showing the Growing Stcok per hec. (in cu. mtr.) of BANDIPUR TIGER PROJECT Division, MYSORE District
No of Sample Plots-79 Area-798.69 in Sq. Km

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	3.979	2.441	1.427	1.306	1.046	0.613	1.237	1.160	0.000	0.722	13.930
133	BOSWELLIA SERRATA	0.023	0.012	0.064	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.099
266	DALBERGIA LATIFOLIA	0.240	0.280	0.430	0.380	0.432	0.141	0.400	0.308	0.000	0.000	2.612
285	DIOSPYROS MELANOXYLON	0.021	0.017	0.000	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.078
431	GREWIA TIELIAEFOLIA	0.316	0.256	0.288	0.057	0.491	0.336	0.757	0.482	0.000	0.590	3.572
504	LAGERSTROEMIA LANCEOLATA	0.008	0.031	0.000	0.000	0.000	0.000	0.186	0.000	0.000	0.000	0.225
722	PTEROCARPUS MARSUPIUM	0.092	0.099	0.352	0.346	0.091	0.126	0.337	0.000	0.000	1.115	2.558
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.086	0.158	0.000	0.166	0.218	0.000	0.000	0.000	0.628
858	TECTONA GRANDIS	0.323	0.654	1.150	1.841	1.574	2.097	4.814	3.083	1.846	2.535	19.919
866	TERMINALIA CRENULATA	1.140	0.731	1.128	0.790	0.441	0.498	2.336	1.741	1.842	0.000	10.649
869	TERMINALIA PANICULATA	0.110	0.055	0.223	0.108	0.242	0.223	0.000	0.000	0.393	0.000	1.354
898	VITEX ALTISSIMA	0.000	0.000	0.000	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.070
RRR	REST OF SPECIES	1.147	1.522	1.002	1.260	0.561	0.402	1.733	0.745	0.742	12.658	21.771
		7.399	6.098	6.150	6.356	4.878	4.602	12.018	7.519	4.823	17.620	77.466

ANNEXURE XXXVI

Table showing the Growing Stcok (in lacs cu.mtr.) of BANDIPUR TIGER PROJECT Division, MYSORE District
No of Sample Plots-79 Area-798.69 in Sq. KmS.

SCODE	SPECIES NAME	D10_15	D16_20	D21_25	D26_30	D31_35	D36_40	D41_50	D51_60	D61_70	D80p	Total
072	ANOGEISSUS LATIFOLIA	3.178	1.950	1.140	1.043	0.835	0.490	0.988	0.926	0.000	0.577	11.126
133	BOSWELLIA SERRATA	0.018	0.010	0.051	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.079
266	DALBERGIA LATIFOLIA	0.192	0.224	0.343	0.304	0.345	0.113	0.319	0.246	0.000	0.000	2.086
285	DIOSPYROS MELANOXYLON	0.017	0.014	0.000	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.062
431	GREWIA TIELIAEFOLIA	0.252	0.204	0.230	0.046	0.392	0.268	0.605	0.385	0.000	0.471	2.853
504	LAGERSTROEMIA LANCEOLATA	0.006	0.025	0.000	0.000	0.000	0.000	0.149	0.000	0.000	0.000	0.180
722	PTEROCARPUS MARSUPIUM	0.073	0.079	0.281	0.276	0.073	0.101	0.269	0.000	0.000	0.891	2.043
795	SCHLEICHERA TRIJUGA/OLEOS	0.000	0.000	0.069	0.126	0.000	0.133	0.174	0.000	0.000	0.000	0.502
858	TECTONA GRANDIS	0.258	0.522	0.918	1.470	1.257	1.675	3.845	2.462	1.474	2.025	15.909
866	TERMINALIA CRENULATA	0.911	0.584	0.901	0.631	0.352	0.398	1.866	1.391	1.471	0.000	8.505
869	TERMINALIA PANICULATA	0.088	0.044	0.178	0.086	0.193	0.178	0.000	0.000	0.314	0.000	1.082
898	VITEX ALTISSIMA	0.000	0.000	0.000	0.056	0.000	0.000	0.000	0.000	0.000	0.000	0.056
RRR	REST OF SPECIES	0.916	1.216	0.800	1.006	0.448	0.321	1.384	0.595	0.593	10.110	17.389
		5.910	4.870	4.912	5.076	3.896	3.676	9.599	6.005	3.852	14.073	61.871

ANNEXURE XXXVII

Mean No-of-Bamboo Clumps per hectare by Quality & Clump Size Class

Species	Quality	Clump Size Class			Total
		Large	Medium	Small	
BAMBUSA ARUNDINACEA	1	0.786	2.214	5.857	8.857
	3		0.429	0.786	1.215
DENDROCALAMUS STRICTUS	1	7.214	14.429	30.929	52.572
	2		0.071	2.143	2.214
	3	0.071	2.071	18.429	20.571

ANNEXURE XXXVIII

Mean Number of Bamboo Culms per Clump by Quality & Its Soundness

Species	Bamboo Quality	Clump Size	Soundness					Total
			Green Sound	Green Damaged	Dry Sound	Dry Damaged	Decayed	
BAMBUSA ARUNDINACEA	1	SMALL	2.714	4.215	0.286	1.500	0.000	8.714
	1	MEDIU	5.667	3.333	0.000	2.333	0.000	11.333
	1	LARGE	32.500	8.500	1.500	1.500	0.000	44.000
		Total	40.881	16.048	1.786	5.333	0.000	64.047
	3	SMALL	16.333	7.333	0.000	0.000	0.000	23.667
		Total	16.333	7.333	0.000	0.000	0.000	23.667
DENDROCALAMUS STRICTUS	1	SMALL	3.121	3.060	0.924	3.606	0.182	10.939
	1	MEDIU	5.333	5.833	1.433	6.967	1.900	21.467
	1	LARGE	16.250	11.250	0.000	14.167	0.417	42.167
		Total	24.704	20.143	2.357	24.740	2.499	74.573
	2	SMALL	1.250	7.750	0.250	6.125	1.125	16.500
	3	SMALL	3.231	5.257	0.205	1.872	0.795	11.333
	3	MEDIU	7.500	10.250	0.250	7.500	1.000	26.500
		Total	10.731	15.507	0.455	9.372	1.795	37.833

ANNEXURE XXXIX

Mean Number of Bamboo Culms per Hectare by Quality & Its Soundness

Species	Bamboo Quality	Clump Size	Soundness					Total
			Green Sound	Green Damaged	Dry Sound	Dry Damaged	Decayed	
BAMBUSA ARUNDINACEA	1	SMALL	15.896	24.688	1.675	8.786	0.000	51.038
	1	MEDIU	12.547	7.379	0.000	5.165	0.000	25.091
	1	LARGE	25.545	6.681	1.179	1.179	0.000	34.584
		Total	53.988	38.748	2.854	15.130	0.000	110.713
	3	SMALL	12.838	5.764	0.000	0.000	0.000	18.602
DENDROCALAMUS STRICTUS	1	SMALL	96.529	94.643	28.578	111.530	5.629	338.332
	1	MEDIU	76.950	84.164	20.677	100.527	27.415	309.747
	1	LARGE	117.227	81.158	0.000	102.201	3.008	304.193
		Total	290.706	259.965	49.255	314.258	36.052	952.272
	2	SMALL	2.679	16.608	0.536	13.126	2.411	35.360
	3	SMALL	59.544	96.881	3.778	34.499	14.651	208.856
	3	MEDIU	15.533	21.228	0.518	15.533	2.071	54.882
		Total	75.077	118.109	4.296	50.032	16.722	263.738

ANNEXURE XL

Total Number of Culms in Bamboo Area by Quality & Its Soundness (in '000)

Species	Bamboo Quality	Clump Size	Soundness					Total
			Green Sound	Green Damaged	Dry Sound	Dry Damaged	Decayed	
BAMBUSA ARUNDINACEA	1		208.921	324.474	22.015	115.474	0.000	670.792
	1		164.905	96.982	0.000	67.884	0.000	329.771
	1		335.738	87.808	15.496	15.496	0.000	454.538
		Total	709.564	509.264	37.511	198.854	0.000	1455.101
	3		38.938	17.482	0.000	0.000	0.000	56.420
DENDROCALAMUS STRICTUS	1		5367.495	5262.624	1589.080	6201.626	313.001	18812.951
	1		4278.805	4679.939	1149.745	5589.804	1524.411	17223.482
	1		6518.407	4512.791	0.000	5682.887	167.260	16914.652
		Total	16164.707	14455.354	2738.825	17474.317	2004.672	52951.085
	2		27.085	167.907	5.419	132.704	24.375	357.490
	3		1083.582	1763.041	68.752	627.813	266.619	3800.761
	3		282.669	386.307	9.427	282.670	37.688	998.743
		Total	1366.251	2149.348	78.179	910.483	304.307	4799.504

ANNEXURE XLI

Table Showing Mean Number of Bamboo Culms per Clump by Quality & Its Age

Species	Bamboo Quality	Clump Size	Age of Culm						Total
			Current Year	1-2 Season	2 & Ab Season	Dry Sound	Dry Damaged	Decayed	
BAMBUSA ARUNDINACEA	1	SMALL	1.14	1.143	4.643	0.286	1.500	0.000	8.714
	1	MEDIU	1.67	2.000	5.333	0.000	2.333	0.000	11.333
	1	LARGE	8.00	6.000	27.000	1.500	1.500	0.000	44.000
		Total	10.810	9.143	36.976	1.786	5.333	0.000	64.047
	3	SMALL	20.67	3.000	0.000	0.000	0.000	0.000	23.667
		Total	20.666	3.000	0.000	0.000	0.000	0.000	23.667
DENDROCALAMUS STRICTUS	1	SMALL	1.15	0.682	4.348	0.924	3.606	0.182	10.939
	1	MEDIU	2.63	2.133	6.400	1.433	6.967	1.900	21.467
	1	LARGE	5.42	1.416	20.667	0.000	14.167	0.417	42.167
		Total	9.201	4.231	31.415	2.357	24.740	2.499	74.573
	2	SMALL	0.75	1.375	6.875	0.250	6.125	1.125	16.500
	3	SMALL	5.08	1.872	1.539	0.205	1.872	0.795	11.333
	3	MEDIU	10.25	3.250	4.250	0.250	7.500	1.000	26.500
		Total	15.327	5.122	5.789	0.455	9.372	1.795	37.833

ANNEXURE XLII

Table Showing Mean Number of Bamboo Culms per Hectare by Quality & Its Age

Species	Bamboo Quality	Clump Size	Age of Culm						Total
			Current Year	1-2 Season	2 & Ab Season	Dry Sound	Dry Damaged	Decayed	
BAMBUSA ARUNDINACEA	1	SMALL	6.69	6.695	27.195	1.675	8.786	0.000	51.038
	1	MEDIU	3.69	4.428	11.807	0.000	5.165	0.000	25.091
	1	LARGE	6.29	4.716	21.222	1.179	1.179	0.000	34.584
		Total	16.673	15.839	60.224	2.854	15.130	0.000	110.713
	3	SMALL	16.24	2.358	0.000	0.000	0.000	0.000	18.602
DENDROCALAMUS STRICTUS	1	SMALL	35.60	21.094	134.479	28.578	111.530	5.629	338.332
	1	MEDIU	37.99	30.777	92.345	20.677	100.527	27.415	309.747
	1	LARGE	39.08	10.215	149.092	0.000	102.201	3.008	304.193
		Total	112.669	62.086	375.916	49.255	314.258	36.052	952.272
	2	SMALL	1.61	2.947	14.733	0.536	13.126	2.411	35.360
	3	SMALL	93.56	34.499	28.362	3.778	34.499	14.651	208.856
	3	MEDIU	21.23	6.731	8.802	0.518	15.533	2.071	54.882
		Total	114.792	41.230	37.164	4.296	50.032	16.722	263.738

ANNEXURE XLIII

Table Showing Total Number of Culms in Bamboo Area by Quality & Its Age (in '000)

Species	Bamboo Quality	Clump Size	Age of Culm						Total
			Current Year	1-2 Season	2 & Ab Season	Dry Sound	Dry Damaged	Decayed	
BAMBUSA ARUNDINACEA	1		87.98	87.992	357.423	22.015	115.474	0.000	670.792
	1		48.51	58.197	155.179	0.000	67.884	0.000	329.771
	1		82.64	61.982	278.920	15.496	15.496	0.000	454.538
		Total	219.135	208.171	791.522	37.511	198.854	0.000	1455.101
	3		49.27	7.152	0.000	0.000	0.000	0.000	56.420
DENDROCALAMUS STRICTUS	1		1979.48	1172.932	7477.705	1589.080	6201.626	313.001	18812.951
	1		2112.55	1711.355	5134.844	1149.745	5589.804	1524.411	17223.482
	1		2172.93	568.005	8290.261	0.000	5682.887	167.260	16914.652
		Total	6264.959	3452.292	20902.810	2738.825	17474.317	2004.672	52951.085
	2		16.25	29.794	148.951	5.419	132.704	24.375	357.490
	3		1702.68	627.813	516.132	68.752	627.813	266.619	3800.761
	3		386.31	122.490	160.179	9.427	282.670	37.688	998.743
		Total	2088.985	750.303	676.311	78.179	910.483	304.307	4799.504

ANNEXURE XLIV

Bamboo Stock ('000) Tonnes

Species	Bamboo Quality	Clump Size	Curreny Year			One to Two Season			Over Two Season					
			Sound	Damaged	Total	Sound	Damaged	Total	Sound	Damaged	Total	Dry Sound	Dry Damaged	Total
BAMBUSA ARUNDINACEA	1	LARGE	0.325	0.037	0.362	1.070	0.025	1.095	4.236	0.689	4.924	0.000	0.000	6.382
	1	MEDIUM	0.235	0.000	0.235	0.000	0.141	0.141	1.047	0.336	1.383	0.000	0.000	1.758
	1	SMALL	0.319	0.053	0.372	0.133	0.146	0.279	0.696	0.585	1.281	0.053	0.140	2.126
		Total	0.879	0.091	0.969	1.203	0.312	1.515	5.979	1.610	7.588	0.053	0.140	10.265
	3	SMALL	0.165	0.037	0.202	0.023	0.006	0.029	0.000	0.000	0.000	0.000	0.000	0.231
		Total	0.165	0.037	0.202	0.023	0.006	0.029	0.000	0.000	0.000	0.000	0.000	0.231
DENDROCALAMUS STRICTUS	1	LARGE	8.507	0.000	8.507	0.523	0.851	1.374	16.490	7.983	24.473	0.000	5.562	39.915
	1	MEDIUM	6.910	0.681	7.591	4.759	1.309	6.068	5.759	7.510	13.269	2.251	5.471	34.650
	1	SMALL	6.121	0.816	6.937	1.546	2.510	4.056	13.568	7.855	21.423	3.111	6.044	41.572
		Total	21.538	1.497	23.035	6.829	4.670	11.498	35.817	23.348	59.165	5.363	17.077	116.137
	2	SMALL	0.064	0.000	0.064	0.021	0.048	0.069	0.021	0.281	0.302	0.011	0.130	0.575
	3	MEDIUM	0.959	0.277	1.236	0.111	0.184	0.295	0.037	0.295	0.332	0.018	0.277	2.158
	3	SMALL	3.064	1.801	4.865	0.875	0.791	1.666	0.303	0.895	1.198	0.135	0.614	8.478
		Total	4.023	2.078	6.100	0.986	0.976	1.962	0.340	1.190	1.530	0.153	0.891	10.636

ANNEXURE XLV

Table Showing Dry Weight Equivalent of Bamboo Stock ('000) Tonnes

Species	Bamboo Quality	Clump Size	Curreny Year			One to Two Season			Over Two Season					
			Sound	Damaged	Total	Sound	Damaged	Total	Sound	Damaged	Total	Dry Sound	Dry Damaged	Total
BAMBUSA ARUNDINACEA	1	LARGE	0.133	0.015	0.148	0.521	0.010	0.532	1.850	0.319	2.170	0.000	0.000	2.850
	1	MEDIUM	0.096	0.000	0.096	0.000	0.058	0.058	0.413	0.130	0.542	0.000	0.000	0.696
	1	SMALL	0.131	0.022	0.152	0.054	0.060	0.114	0.280	0.239	0.520	0.022	0.057	0.865
		Total	0.359	0.037	0.397	0.576	0.128	0.703	2.543	0.688	3.232	0.022	0.057	4.411
	3	SMALL	0.068	0.015	0.083	0.009	0.002	0.012	0.000	0.000	0.000	0.000	0.000	0.094
		Total	0.068	0.015	0.083	0.009	0.002	0.012	0.000	0.000	0.000	0.000	0.000	0.094
DENDROCALAMUS STRICTUS	1	LARGE	4.383	0.000	4.383	0.270	0.438	0.708	8.495	4.113	12.608	0.000	2.866	20.564
	1	MEDIUM	3.560	0.351	3.911	2.475	0.674	3.149	2.967	3.881	6.848	1.160	2.819	17.886
	1	SMALL	3.154	0.420	3.574	0.804	1.323	2.127	6.990	4.047	11.037	1.603	3.114	21.455
		Total	11.096	0.771	11.867	3.549	2.436	5.984	18.452	12.041	30.493	2.763	8.798	59.906
	2	SMALL	0.033	0.000	0.033	0.011	0.025	0.036	0.011	0.145	0.156	0.005	0.067	0.296
	3	MEDIUM	0.494	0.143	0.637	0.057	0.095	0.152	0.019	0.152	0.171	0.010	0.143	1.112
	3	SMALL	1.578	0.928	2.506	0.451	0.408	0.859	0.156	0.462	0.618	0.069	0.317	4.369
		Total	2.072	1.070	3.143	0.508	0.503	1.011	0.175	0.614	0.789	0.079	0.459	5.481

Plot Description Form

Field Form-2

Job No.	Card design	Zone	State	District	Forest Division	Map Sheet No.	Grid No.	Plot No.	Legal Status	Land Use
1-3	4-5	6	7-8	9-10	11-12	13-18	19-22	23	24	25-26

Terrian Data							Soil Data						Crop Data											Bamboo Data					Accessibility		Rd. distance to Market						
General Topography	SLOPE	Position on Slope	Altitude	Aspect	Peckiness	Humus	Soil colour	Soil consistency	Soil texture	Coarse Fragments	Soil Depth	Soil Erosion	Origin of stand	Crop Composition	Canopy layer or storey	Top height	Size class	Intensity of regeneration	Important Species	Injuries to crop	Fire incidence	Grazing incidence	Presence of weeds	Presence of grass	Bamboo density	Bamboo quality	Bamboo flowering	Bamboo regeneration	Plantation potential	Distance to Road	Distance to mule path	Distance to river/steem	Kacha Road distance	Pucca Road distance	River distance to Market outlet	Obstacles	Plot Status	Degraded forest
27	28 30	31	32 35	36	37	38	39	40	41	42	3	44	45	46 47	48 49	50 51	52	53	54 56	57	58	59	60	61	62	63	64	65	66	67	68	69	70 71	72 74	75-76	77	78	79 80

Signature of the Crew Leader.....

Name of the Crew Leader.....

Date.....

Contents

PLOT ENUMERATION FORM

Field Form-3

Job No.	Card Design	Map Sheet No.	Grid No.	Plot No.
1-3	4-5	6-11	12-15	16

Total No. of Bamboo Clumps	Total No. of Trees
71-73	74-76

Species		Species		Species		Species		Species		Species		Species		Species		Species	
Code	Dia	Code	Dia	Code	Dia	Code	Dia	Code	Dia	Code	Dia	Code	Dia	Code	Dia	Code	Dia
17-19	20-22	23-25	26-28	29-31	32-34	35-37	38-40	41-43	44-46	47-49	50-52	53-55	56-58	59-61	62-64	65-67	68-70

Signature of the Crew Leader.....

Name of the Crew Leader.....

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Sample Tree Form

Field Form No. 4

Job No.	Card Design	Map Sheet No.	Grid No.	Plot No.
1–3	4–5	6–11	12–15	16

Total No of Trees
55–56

SPECIES	Tree Sl. No.	Species Code	Dominance	DBH OB (cm)	DBT (mm)	Tree Height (m)	Clear Bole (m)	Condition	Form		SPECIES	Tree Sl. No.	Species Code	Dominance	DBH OB [cm]	DBT [mm]	Tree Height [m]	Clear Bole (m)	Condition	Form	
									Longitudinal	Sectional										Longitudinal	Sectional
	17-18	19-21	22	23-25	26-28	29-30	31 32	33	34	35		36-37	38-40	41	42-44	45-47	48-49	50-51	52	53	54

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Signature of the Crew Leoder.....

Name of the Crew Leader.....

Contents

FSI-SZ-BANGALORE

Field Form 5

BAMBOO ENUMERATION FORM

Job No.	Card Design	Map Sheet No.	Grid No./ Inter Sectional No	Plot No.
1—3	4—5	6—11	12—15	16

Average culm height (in dcm)		Bamboo quality
Upto 1 cm. top dia. 72-74	Upto 2 cm. top dia. 75-77	78

Species	Species Code	Clump Serial No.	Clump diameter (in Cms)	Clump size class	Green sound culms							Green damaged culms						Dry sound culms			Dry damaged culms			Decayed culms	Total No. of culms
					Current year's	One to two seasons old			Over two seasons old			Current year's	One to two seasons old			Over two seasons old										
						2 <5 Cms	5 <8 Cms	8 + Cms	2 <5 Cms	5 <8 Cms	8 + Cms		2 <5 Cms	5 <8 Cms	8 + Cms	2 <5 Cms	5 <8 Cms	8 + Cms	2 <5 Cms	5 <8 Cms	8 + Cms	2 <5 Cms	5 <8 Cms	8 + Cms		
	17-19	20-22	23-25	26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59-60	61-62	63-64	65-66	67-68	69-71

Signature of Crew Leader.....

Name of Crew Leader.....

Contents

L. S. I. S. Z. Bangalore.

Job Number	Card Design
1—3	4—5

BAMBOO WEIGHT FORM

Map sheet Number	Grid No./ Inter Section No.	Plot Number
6—11	12—15	16

Green Weight of Culm

DIAMETER CLASS

Species	Sample No.	2 to under 5 cm.					5 to under 8 cm.					8 cm. and over					Green weight of sub sample for co-relation with dry weight		
		Diameter in cm.	Total length in dmt.	Utilizable length in dmt.		Weight in Grams	Diameter in cm.	Total length in dmt.	Utilizable length in dmt.		Grams Weight in	Diameter in cm	Total length in dmt.	Utilizable length in dmt.		Weight in Grams	Sub-sample culm 2 cm. & under 5 cm. diam.	Sub-sample culm 5cm. & under 8 cm. diam.	Sub sample culm 8 cm. and over
				Upto 1 cm top dia	Upto 2 cm top dia				Upto 1 cm top dia	Upto 2 cm top dia				Upto 1 cm top dia.	Upto 2 cm top dia				

7 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

Signature of the Crew Leader _____

Name of the Crew leader _____

Contents

Map Sheet No.
GRID No.
PLOT No.

HERBS AND SHRUBS DATA FORM

Field Form No. 8

HERBS								SHRUBS								
		Characteristics Occurrence									Pattern of Branching			Occurrence		Information on flowers & fruits	
Name of Species	Total No.	Erect	Prostrate	Creeping	Grega-rious	Sporadic	Colour of flower if observed	Name of Species	Total No.	Avr. Ht.	Opposite	Alternate	Whorling	Grega-rious	Sporadic	Colour of flowers	Size of fruit (Small medium, big)

Signature of the Crew Leader.....

Name of Crew Leader.....

Date.....

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