འཇམ་དཔལ་ཀུན་བཟང་ཐུགས་རྗེ། ཁོ་རྒན་དང་ནན་ཐབས་ཚུལ་བཞིས་རྒྱལ་ ཚེའུ་དང་ལྡོང་གསུམ་རྒྱ་ཆེར་ཡངས་པའི་ཞིང་ཁམས་སུ་ཐེག་ཆེན་ཆོས་ལོ་རྒྱས་ཏེ་ཤིན་ཏུ་ཕྱུག་ཅིང་།

ཚེའུ་ཡིན་ཚོང་།

གནས་ཡང་།

ROYAL GOVERNMENT OF BHUTAN
MINISTRY OF AGRICULTURE AND FORESTS
DEPARTMENT OF FORESTS AND PARK SERVICES
Divisional Forest Office, Sarpang

LOCAL FOREST MANAGEMENT PLAN

CHUDZOM GEWOG

SARPANG DZONGKHAG

Period of the Plan: 01ST JULY 2020 TO 30TH JUNE 2030

PREPARED BY

Sangay Dorji
Senior Forest Ranger I
Divisional Forest Office, Sarpang

AUTHORITY FOR PREPARATION, REVISION AND APPROVAL

PERIOD OF THE PLAN

This Plan is valid for the period of 10 years from **1st July 2020 to 30th June 2030**.

AUTHORITY FOR PREPARATION, REVIEW AND APPROVAL

The authority for preparation of this plan was given to Sarpang Forest Division, Department of Forests and Park Services, Ministry of Agriculture and Forest, Royal Government of Bhutan.

APPROVAL

This plan was reviewed and recommended for implementation by Forest Resources Management Division, Department of Forests and Park Services (DoFPS) and approved by the Honourable Secretary, Ministry of Agriculture and Forests, Royal Government of Bhutan.

Prepared by

Sangay Dorji
Divisional Forest Office, Sarpang

Checked and recommended for approval:

Chief Forestry Officer
Divisional Forest Office, Sarpang

Chief Forestry Officer
Divisional Forest Office
Sarpang : Bhutan

Technically reviewed and Recommended for approval:

Chief Forestry Officer
Forest Resources Management Division
Department of Forests and Park Services
Date.....

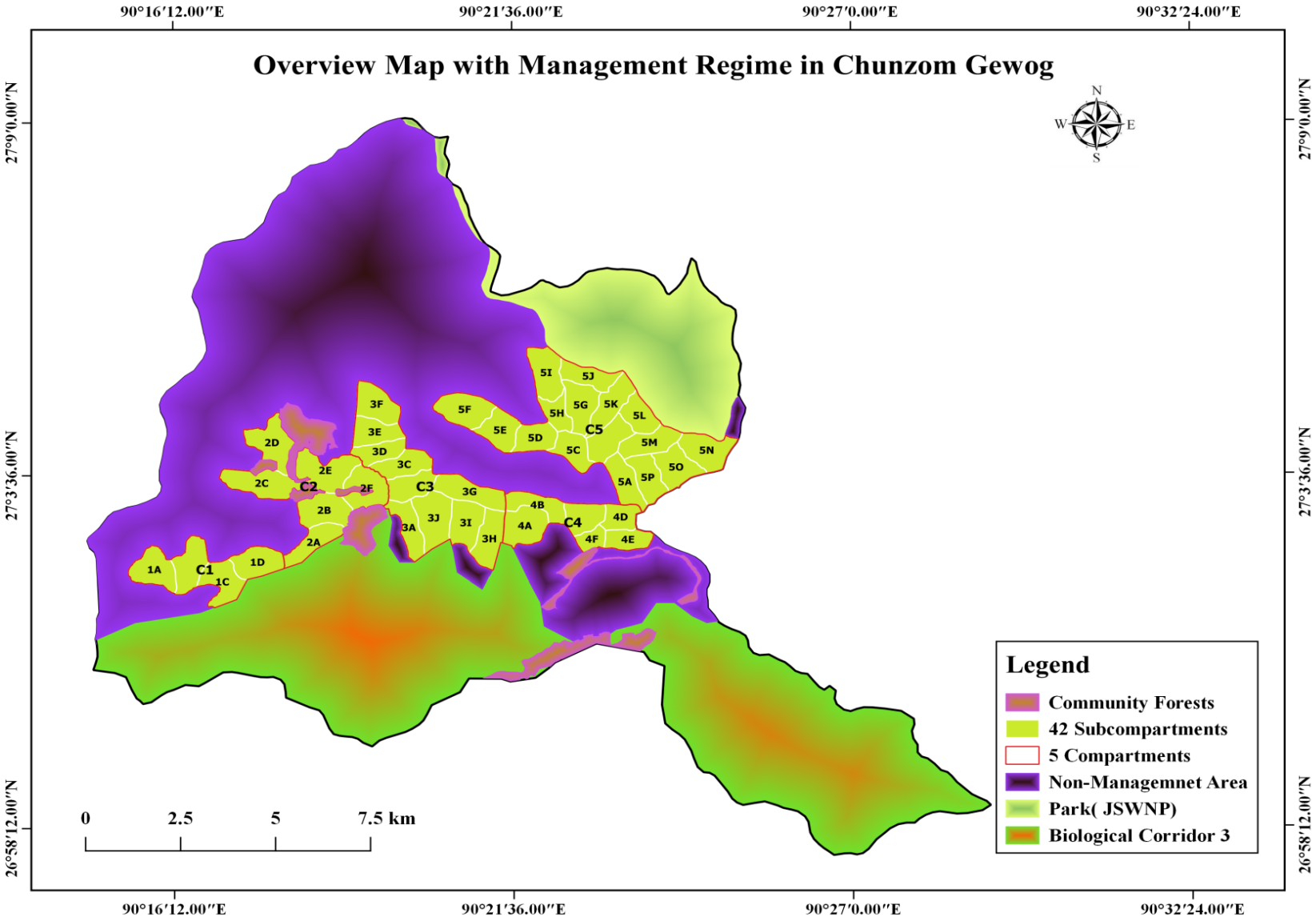
Recommended for approval:

Director
Department of Forests and Park Services

Date.....

APPROVED

Secretary
Ministry of Agriculture and Forests
Date:.....


Overview Map with Management Regime in Chunzom Gewog
90°16′12.00″E
90°21′36.00″E
90°27′0.00″E
90°32′24.00″E
27°9′0.00″N
27°3′36.00″N
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5P
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2.5
5
7.5 km
Legend
Community Forests
42 Subcompartments
5 Compartments
Non-Managemnet Area
Park(JSWNP)
Biological Corridor 3

Summary Results for Forest Management Area: Chudzom

Unit	Area Distribution				
	Non Forest	Protection	Inoperable	Production	Total
ha	868.1	0.0	538.8	2613.3	**4020.2**
%	22%	0%	13%	65%	**100%**

Average basal area (m2/ha)	Aver. Stand Volume (m3/ha)	No of operable sample plots
16.1	98	490

Unit	Forest Type Distribution								
	Hemlock	Fir	Spruce	Mix. Con.	Bluepine	Chirpine	Hardwood	Mixed HC	Total
%	0%	0%	0%	0%	0%	0%	100%	0%	**100%**
Unit	**Age distribution**					**Stand type distribution**			
	young	immature	mature	Overmature	Total	plantation	natural	coppice	Total
%	13%	73%	13%	1%	**99%**	0%	100%	0%	**100%**
Unit	**Canopy closure**					**Condition**			
	dense	closed	open	unstocked	Total	good	average	poor	Total
%	5%	72%	18%	5%	**100%**	13%	74%	12%	**99%**

Unit	Site Condition								
	Slope			Erosiveness			Soil Cover		
	gentle	moderate	steep	stable	moderate	unstable	high	moderate	Low
%	20%	76%	2%	27%	70%	2%	16%	79%	6%

Unit	Forest Use					
	Intensive Side Uses			Extensive Side Uses		
	grazing	sokshing	lopping	grazing	sokshing	lopping
ha	354.1	6.1	12.5	404.6	0.0	146.1
%	14%	0%	0%	15%	0%	6%

Unit	NWFP Occurrence and Firewood							
	NWFP abundant				NWFP sparse			
	Firewood	Bamboo	Cane	Daphne	Firewood	Bamboo	Cane	Daphne
ha	91.0	0.0	0.0	0.0	1122.9	44.3	0.0	54.0
%	3%	0%	0%	0%	43%	2%	0%	2%

Management Options						
Unit	**No activity**	**Improvm.**	**Timber**	**Firewood**	**Silvopast.**	**Shokshing**
ha	390.5	302.9	868.8	1466.0	0.0	0.0
%	15%	12%	33%	56%	0%	0%

Potential Production					
Unit	**Timber**				
	Drashing	**Cham**	**Tsim**	**Poles,posts**	**Total**
Ntot	10139	6857	283	2976	**20255**
N/ha	4	3	0	1	**8**
m3	27568	7415	77	267	**35327**
m3/ha	10.5	2.8	0.0	0.1	**13.5**
Unit	**Firewood**				
	> 49cm	**30-49cm**	**20-29 cm**	**10-19 cm**	**Total**
Ntot	6601	21686	8444	3018	**39749**
N/ha	3	8	3	1	**15**
m3	14768	22039	4703	212	**41722**
m3/ha	5.7	8.4	1.8	0.1	**16.0**

Unit	**Sivicultural Measures**			
	Planting	**Thinning**	**Felling**	
ha	130.7	773.4	1298.7	332.5
%	5%	30%	50%	13%

Yield Regulation		
AAC	**1968**	m3
	0.8	m3/ha
Prod. Potential / AAC	**39**	years

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1. Compiled Results by Compartment
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3. Overview Map
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1. BACKGROUND

This Forest Management Plan has been prepared by Sangay Dorji, Senior Forest Ranger I, Divisional Forest Office, Sarpang.

Forest Resource Assessment has been carried out by field staff under the direct supervision of the Chief Forestry Officer, Sarpang Forest Division, from 9th March to 27th March, 2020.

It is the objective of this plan to regulate rural wood supply from Chudzom Forest Management Area on a sustainable basis. This plan was also prepared to achieve the target of Annual Performance Agreement (APA) of Divisional Forest Office, Sarpang for the year 2019-2020. It was carried out as a deposit wok with the sum of Nu 2,22000.00 as a budget from Jigme Singye Wangchuck National Park(JSWNP).

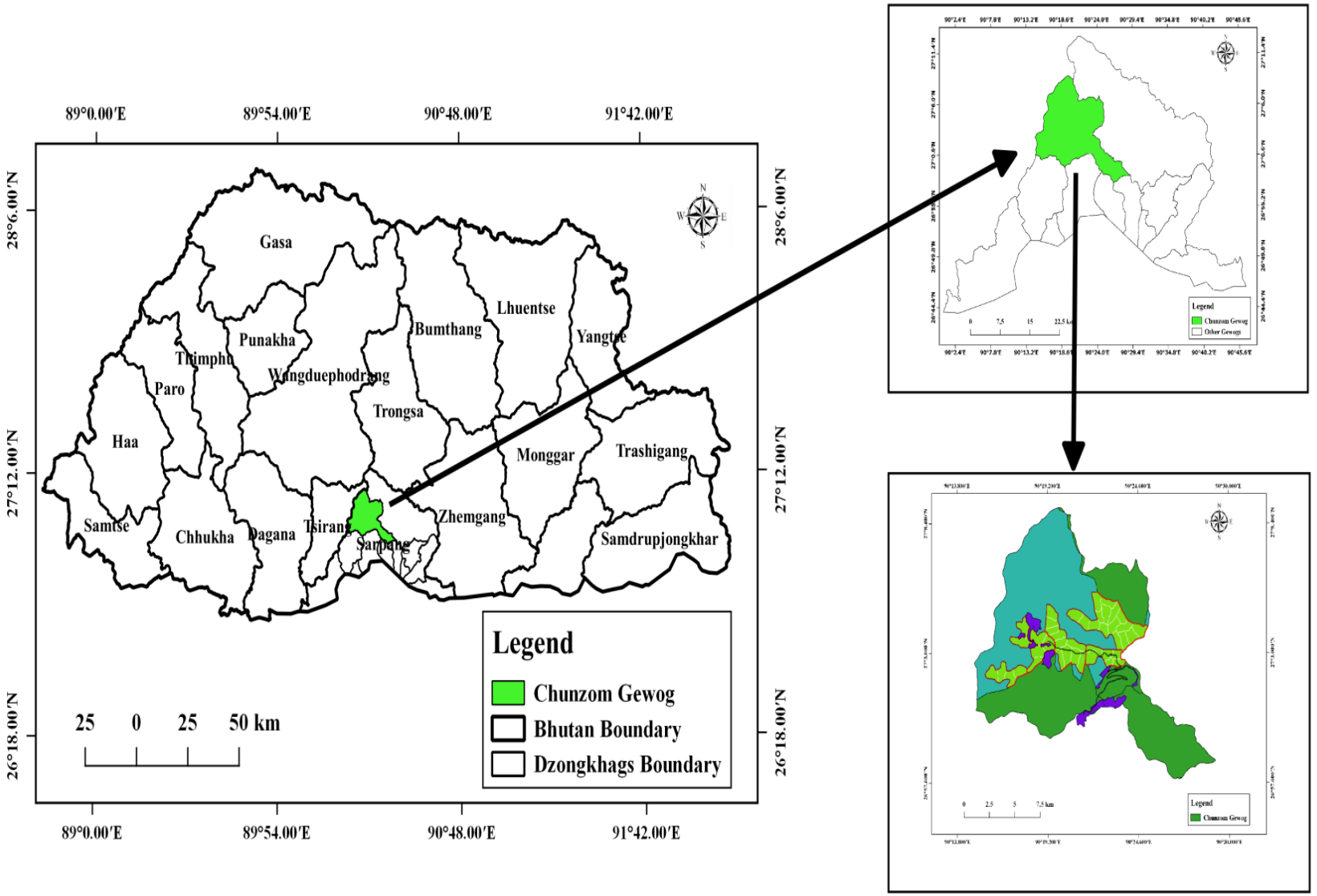
This plan is valid for the period of ten years from **1st July, 2020 to 30th June, 2030.**

Location and Extent

Chudzom Geog is one of the remotest geog in Sarpang Dzongkhag situated at 90º34'12.57" E and 27º05' 08.37"N. Tsirang Dzongkhag lies to the north, Trongsa Dzongkhag towards its east, Gakiling geog towards its west and Dekiling and Samtenling and Gelephu geog towards its south. Chudzom Gewog has total area of 22026.79 Ha of which **6208.47** Ha will be managed under this management plan.

Land use	**Area(ha)**	**Percentage Area**
Broadleaf	**20769.4**	**94.29%**
Mixed Conifer	41.55	0.19%
Chhuzhing	265	1.20%
Kamzhing	442.06	2.00%
Landslide	85.97	0.39%
Built up	2.08	0.01%
Orchard	3.12	0.14%
Rocky Outcrops	0.72	0.00%
Shurbs	329.87	1.50%
Rivers	61.67	0.28%
		100%

Chunzom Gewog Location Map



1. THE FOREST MANAGEMENT AREA

1.1. The Area

The Forest Management Area covers the whole forested land of the Chudzom Geog without the alpine forests. Furthermore, areas which are already managed for another purpose are also excluded from this plan; Other management areas are Jigme Singye Wangchuck National Park. Biological corridor (BC-3) and Community Forests (CF) which are the following:

Areas excluded from the management plan

Chudzom Geog comprises total area of 22027 ha

Management Regimes	**Name**	**Area (ha)**
Protected area	JSWNP	1830.17
Biological corridor	BC 3	7106.42
Community Forest	1) Lhayul Community Forest	382.69
	2) Bichkhola Community Forest	107.64
	3) Pelzom Community Forest	202.09
Others	1) Non-Management Area	8492.48
	2) Management area	3905.3
Total		22026.79

The total forest management area is ha, which comprises of:

Area (ha)	**Type**
2188.32	Protection Zones
538.8	Inoperable Areas
868.0	Non-Forest Area
2613.30	Production Areas
6208.47	**Total**

1.2. Forest Type and Condition

The Forest Management Area lies in the broad leaf zone. The distribution of the forest types is shown in the graph below. The general condition of the forest is good to average, close to villages; and the forest condition is poorer due to intensive use.

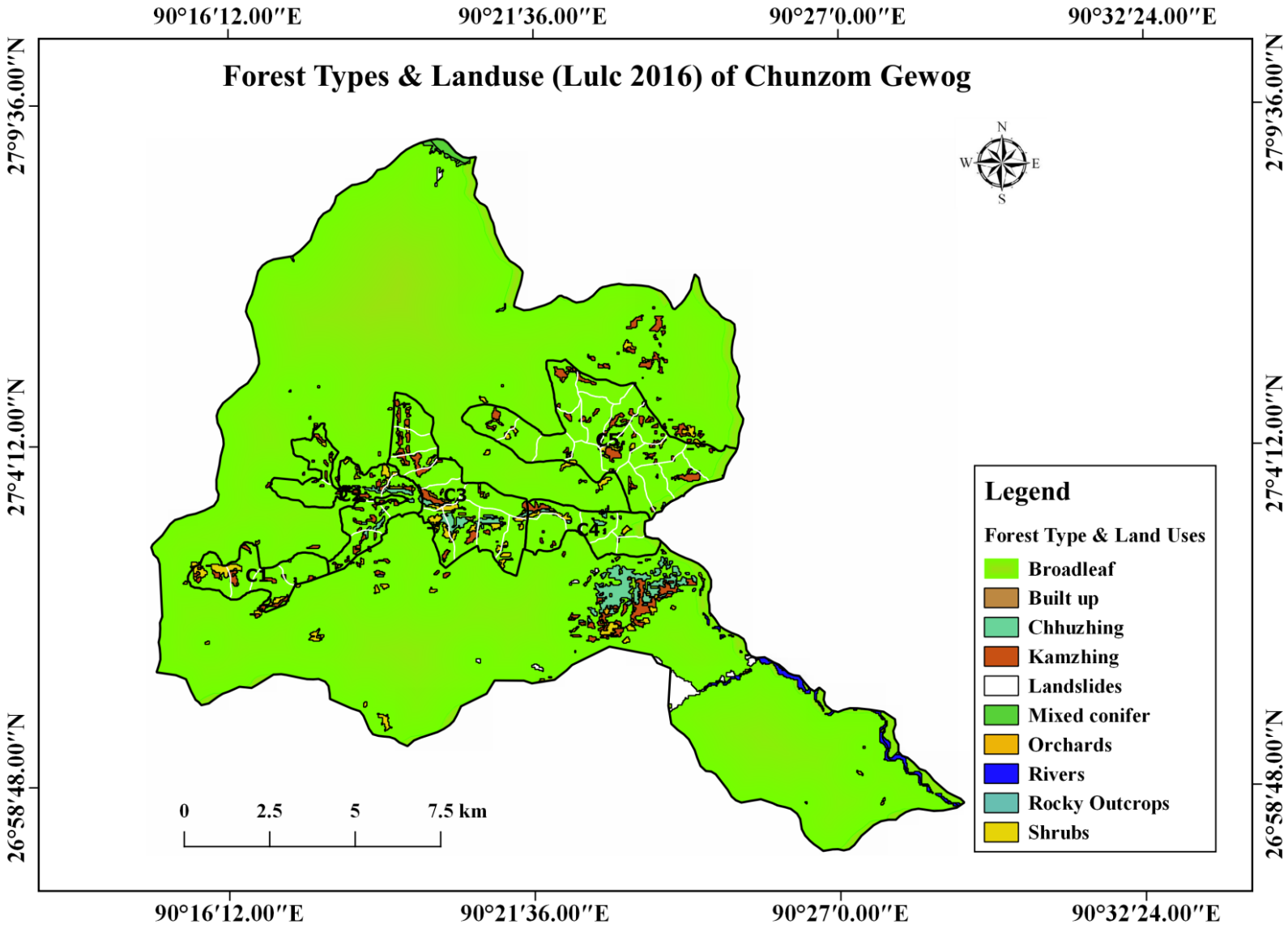
Forest type distribution as well as forest condition and canopy closure per compartment can be derived from the respective sheet in Annex 1.

The average standing volume is only 78 m^3/ha and the average basal area is 16.1 m^2/ha.

The forests are immature (73%) to mature (13%).

The Chudzom Forest Management Area Comprise of 94.29 % Broad leaf forest types.

Land use	Area(ha)	Percentage Area
Broadleaf	**20769.4**	**94.29%**
Mixed Conifer	41.55	0.19%
Chhuzhing	265	1.20%
Kamzhing	442.06	2.00%
Landslide	85.97	0.39%
Built up	2.08	0.01%
Orchard	3.12	0.14%
Rocky Outcrops	0.72	0.00%
Shurbs	329.87	1.50%
Rivers	61.67	0.28%
		100%


Forest Types & Landuse (Lulc 2016) of Chunzom Gewog
90°16′12.00″E
90°21′36.00″E
90°27′0.00″E
90°32′24.00″E
27°9′36.00″N
27°4′12.00″N
26°58′48.00″N
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C3
C4
C5
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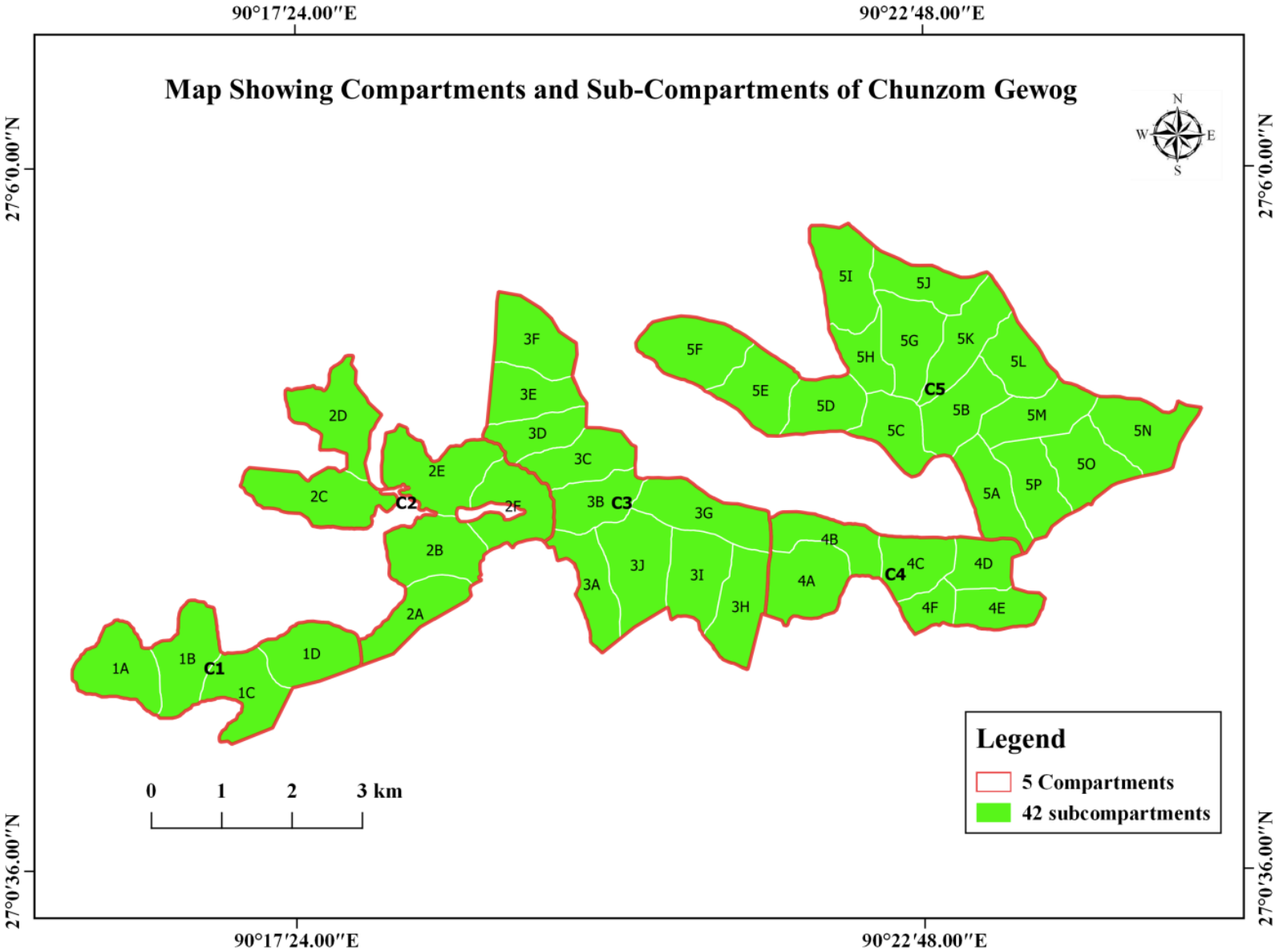
2.5
5
7.5 km
Legend
Forest Type & Land Uses
Broadleaf
Built up
Chhuzhing
Kamzhing
Landslides
Mixed conifer
Orchards
Rivers
Rocky Outcrops
Shrubs


Map Showing Compartments and Sub-Compartments of Chunzom Gewog
90°17′24.00″E
90°22′48.00″E
27°6′0.00″N
27°0′36.00″N
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5I
5J
5K
5L
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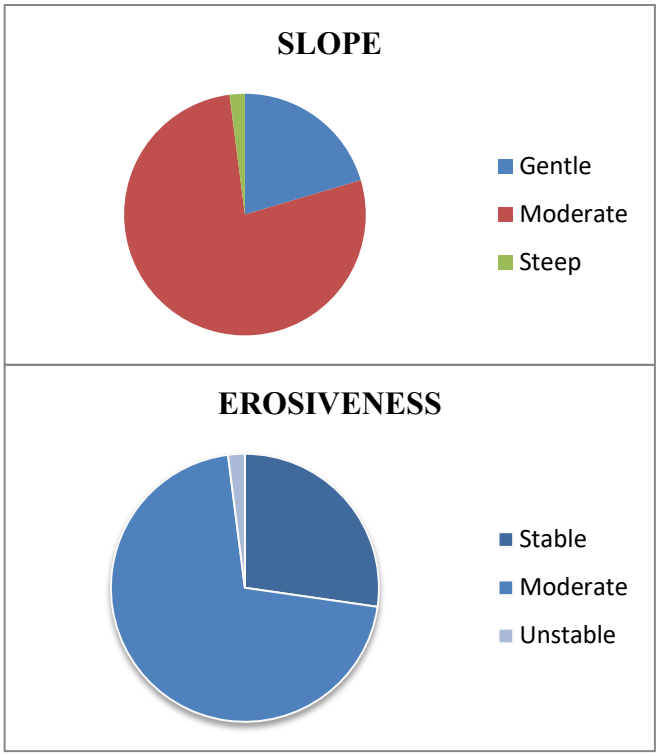
5O
5P
0
1
2
3 km
Legend
5 Compartments
42 subcompartments

1.3. Site and Forest Function

The average site condition is shown in the table below, the site condition for individual compartments or sub-compartments can be derived from Annex 1.

Slope	%	Erosiveness	%	Stability	%
Gentle	20	Stable	27	High	16
Moderate	76	Moderate	70	Moderate	79
Steep	2	Unstable	2	Low	6

The forest management area comprises in general gentle to moderate. In the western part there are some steep and rocky areas, which should be exempted from timber allocation (protection zone). Some of the smaller stream are deeply entrenched and are kept as protected area to prevent soil erosion and to protect the riparian zones.



1.4. Accessibility

75% of Chudzom Forest Management area is accessible by farm road and access roads.

2. NWFP AND OTHER FOREST USES

The occurrence of NWFP in the forest management area is shown in the table below, for the distribution by compartment and sub compartment refer to Annex 1 and 2. In addition the location of abundant occurrence of NWFP is indicated in the forest management map.

Occurrence of NWFP and important forest uses

NWFP	Abundant (%)	Sparse (%)	Forest Uses	Intensive (%)	Extensive (%)
Bamboo	00	2	Grazing	14	15
Cane	00	00	Shoksing	0	0
Daphne	00	00	Lopping	0	6

Beside bamboo grows sparsely in the broad leaf of Chudzom. Bamboo is commonly used by the village people of Chudzom geog for basket production and are sold in the local markets.

Grazing is carried out within village intervention zone of the whole forest management area. Intensive grazing appears in the area were cattle are kept openly raring during daytime and thithered in the evening. Lopping is a common in the immediate vicinity of the settlements.

3. SOCIO-ECONOMIC DATA

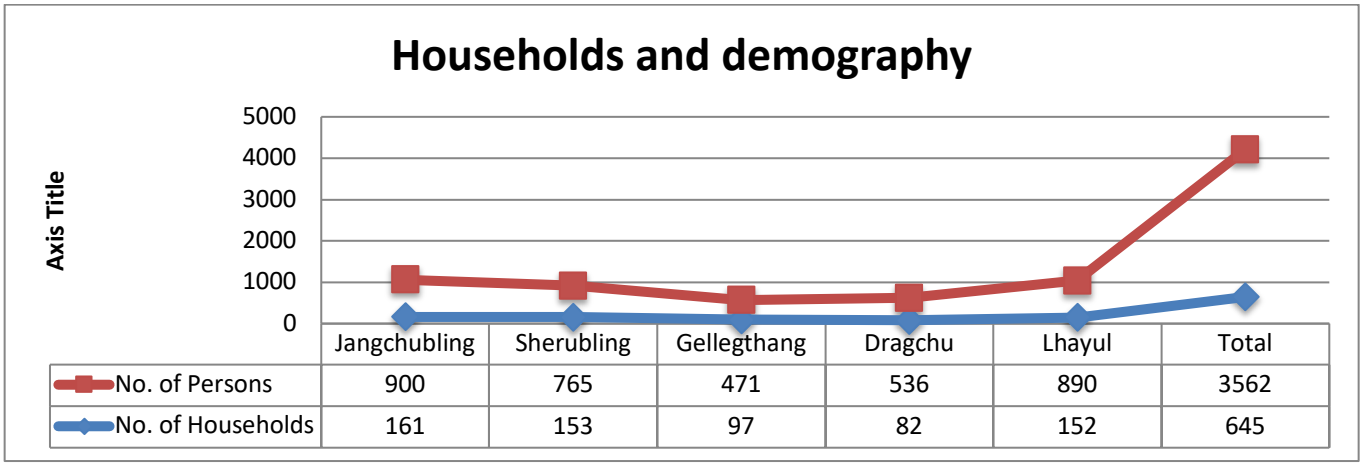
The following villages and settlements are located in the forest management area:

Village Name	No. of Households	No. of Persons
Jangchubling	161	900
Sherubling	153	765
Gellegthang	97	471
Dragchu	82	536
Lhayul	152	890
Total	**645**	**3562**

Rice and maize serves as the main crop for the farmers in the Gewog. The current situation of agriculture développement of the Gewog is 6 acres dry land per household (RNR Stats 2000), 51 % households own wetlands, 1% household with tseri/pangzhing, 10 % landless, 397 Kgs cereal crop production per households, 997 Kgs rice production and annual average crop production monetary value of Nu. 28,610 per households.

Other crops grown include millet, mustard, cardamom and orange in agro-climatically situable areas. Presently, cardamom is the main cash crop of the farmers.

Chudzom geog is rich with vegetation and vastly covered forests, the geog is ideal for rearing of cattles hence livestock is another life line of the Gewog producing enough butter and cheese.



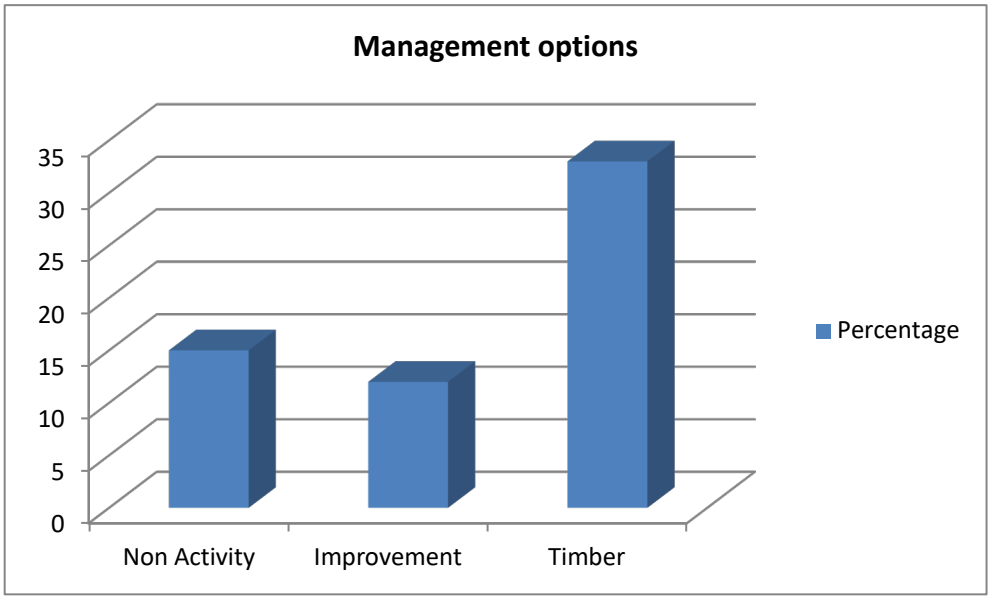
	Jangchubling	Sherubling	Gellegthang	Dragchu	Lhayul	Total
No. of Persons	900	765	471	536	890	3562
No. of Households	161	153	97	82	152	645

4. FUTURE MANAGEMENT

4.1. Management Options

The dominating forest management option is firewood use. Higher elevations are still rich in timber, but they are quite far away from the villages.

The distribution of management options throughout the forest management area is shown in the graph below. The management option for each individual compartment can be derived from the compartment register and from the forest management map.



4.2. Tree Marking and Silviculture

Tree marking is done in accordance with the "Tree Marking Guidelines" and the "Silvicultural Guidelines" prescribed by the Department of Forests and Park Services

The silvicultural system applied is single tree selection system. The principle of negative selection is applied in all tending and thinning operations. Marking of mature trees for felling is

permitted only, when the immediate vicinity is sufficiently regenerated and the regeneration can grow up (low grazing pressure).

Un-stocked and sparsely stocked parts should be re-planted with principal local species (species selection according to prevalent broad leaf forest type).

5.3 Scientific Thinning Guidelines for Broad Leaf Forest is incorporated in tally sheet.

5. YIELD REGULATION

The sustainable annual allowable cut AACsust. for the management area is calculated as follows:

AAC sust. = 77049.00/130years. = **1976 m^3/year**

Taking into account the forest type distribution the average production period for the forest management area is years. The total standing volume is **77049 m^3**.

The overall production potential as determined by the forest resources assessment is 9417m^3

Dividing the overall production potential by the planning period of 10 years gives the silvicultural

AAC:

AACsilv. = total production potential / 130 years = **1976 m^3/year**

As the AAC sust. is lower than the AAC silv. The AAC is fixed at the level of the AAC sust.

The Annual Allowable Cut for the Chudzom Forest Management area is fixed at 1976 m^3

6. DEMAND/SUPPLY ASSESSMENT

The rural wood demand of the geog (excluding the extraordinary supply for e.g. Dzong renovation,

etc.) has been calculated as the average of the actual wood allotment from 2020 to 2030. The data

were derived from the “geog register” of the Divisional Forest Office.

The annual timber supply potential is calculated by dividing the total production potential (in

number of trees) by the number of years it will take to use up the production potential with the fixed AAC.

Timber demand/supply scenario in number of trees

Product	Total Production Potential	Silvicult. Annual Potential	Sustainable Annual Supply Potential*	Annual Demand	Demand - Supply
Drashing/shingleps	10139	10139	10139	550	+463
Chams	6857	6857	6857	400	+286
Tsims	283	283	283	120	-96
Poles	2976	2976	2976	550	-252

*Remark: the total production potential divided 39 years

Drashing can be supplied from the forest management area at rational means for the planning period
of 10 years, there is inadequate tsims and poles available for supply and it is usually utilized here for
fencing of cardamom orchard in Chudzom geog.

Year	Volume (cubic feet)
2018	20000.00
2019	31500.00

Firewood demand is calculated in truckloads. To compare it with the supply potential it has to be converted into standing volume equivalent. The conversion factor applied is:

1 truckload is equivalent to 8 m^3 standing volume.
Data collected from Resource Allocation Unit, DFO Office, Sarpang.

Firewood Demand/Supply Scenario in m^3

Total Production Potential ($Volume_{tot}$)	Annual Supply Potential*	Annual Demand	Demand -Supply
39749	3975	3936	+39

*Remark: the total production potential divided 39 years

The annual supply potential is considerably higher than the average annual demand of firewood of the last 10 years.
Whenever possible the wood demand of one village should be allotted from the corresponding village intervention zone (compartment).

7. MONITORING

Monitoring is important for the control of the AAC. Each tree, which is marked for felling shall be recorded in the tree marking book.

It is also important to:

1. Ensure utilization of subsidized timber for the genuine purposes for rural house building only.

2. Plan rural marking activity consistently as per the schedule duly approved by DT, which spells rural marking activity to be carried out annually.

3. Conduct rural timber utilization monitoring regularly as per the Forest and Nature Conservation Rules and Regulation, 2017.

4. Maintain comprehensive data so as to facilitate monitoring efficiently

Area Distribution, Basal Area and No. of Sample Plots for Forest Management Area: Chudzom

Comp	Sub-Compartment		Area Distribution (ha)					BA	No. of Plots
No.	No.	Name	Non Forest Area	Protection	Inoperable	Production	Total	(m2/ha)	
3	3(a)	Jangchubling west				81.25	81.25	10.3	3
3	3(b)	Moukhola North				31.5	31.5	15.2	5
3	3(c)	Moukhola west			37.5	50	87.5	36	4
3	3(d)	Moukhola	18.8		10.7	14.3	43.8	33	4
3	3(e)	Mou Tsangchu west	62.5		17.9	7.1	87.5	30	4
3	3(f)	Mou Tsangchu North	31.3		18	43.25	92.55	21.7	7
3	3G)	Gelethang top				100	100	17.8	16
3	3(h)	Ramathi south				125	125	14.4	20
3	3(i)	Noonpani west				68.8	68.8	10.3	13
3	3 (J)	Jangchubling south	50		19.2	12	81.2	22	5
2	2(A)	Tirkhola	31.3		20.1	36.2	87.6	10.4	9
2	2(B)	Bechkhola	25			75	100	16.3	12
2	2(C)	Bechkhola	21			110.3	131.3	12.4	21
2	2(D)	Tirkhola	50		32.6	61.6	144.2	17.6	15
2	2(E)	Bechkhola	15			78.8	93.8	8.7	21
2	2(F)	Bechkhola	12.5			25	37.5	12.3	6
1	1(A)	Phedey	31.3		23.8	76.6	131.7	14.3	16
1	1(B)	Phedey	31.25		20.8	54.2	106.25	14.6	13
1	1(C)	Phedey	25		25	50	100	26.7	12
1	1(D)	Phedey	31.3		25.8	92.9	150	17.8	18
1	1(E)	Phedey	31.3		21.6	34.6	87.5	12	8
4	4(A)	Gungring(Gelethang)	12.5		10.8	70.4	93.7	18.5	6
4	4(B)	Gungring(Gelethang)	6.3		3.8	33.8	43.9	5.1	9
4	4(C)	Bechkhola	18.8		12.5	25	56.3	14	6
4	4(D)	Gelethang				25	25	17.5	4
4	4{E}	Gelethang				43.8	43.8	19.1	7
4	4(F)	Gelethang				50	50	21.3	8
5	5(A)	Patibara	12.5		10.9	76.6	100	17	14
5	5(B)	Sherubling	68.8		30.9	25.9	125.6	11.6	9
5	5(C)	Sherubling	12.5		12.5	56.3	81.3	20.2	9
5	5(D)	Sherubling	6.3		5.9	87.9	100.1	15.7	15
5	5(E)	Noonpani	12.5		11.4	113.6	137.5	14.4	20
5	5(F)	Noonpani	37.5		28.5	90.3	156.3	14.1	19
5	5(J)	Norbugang	43.8		24.6	31.6	100	15.6	9
5	5(K)	Sherubling	50		25	25	100	12	8
5	5(M)	Sherubling				43.8	43.8	16.6	7
5	5(N)	Mongarling A	43.8		31.5	81	156.3	12.4	18
5	5(O)	Mongarling B	43.8		29.8	63.9	137.5	15.2	15

5	5 (P)	Mongarling C	6.3		5.6	50.6	62.5	13.8	9
5	5 (G)	Thongjabee area	18.8		16.3	108.7	143.8	22.3	20
5	5 (H)	Thongjabee area				62.5	62.5	17.2	10

Comp	Sub-Compartment		Area Distribution (ha)					BA	No. of Plots
No.	No.	Name	Non Forest Area	Protection	Inoperable	Production	Total	(m2/ha)	
1	Phedey		150.15		117	308.3	575.45	17.2	67
2	Tirkhola		154.8		52.7	386.9	594.4	13.0	84
3	Jangchubling		162.6		103.3	533.2	799.1	17.4	81
4	Gelethang		37.6		27.1	248	312.7	16.8	40
5	Sherubling		362.9		238.7	1136.9	1738.5	16.1	218
Total per Gewog			**868.05**		**538.8**	**2613.3**	**4020.15**	**16.1**	**490**

5	5 (I)	Chunithang				150	150	15.3	24
5	5 (L)	Sherubling	6.3		5.8	69.2	81.3	18.7	12

Stand Data of Forest Management Area: Chudzom

Comp	Sub-Compartment		Production area	Basal Area	Volume	Tot. Volume	V conifer
No.	No.	Name	(ha)	(m2/ha)	(m3/ha)	(m3)	(%)
3	3(a)	Jangchubling west	81.3	10.3	61.9	5029.4	0.0
3	3(b)	Moukhola North	31.5	15.2	89.4	2816.1	0.0
3	3(c)	Moukhola west !	50.0	36.0	222.0	11100.0	0.0
3	3(d)	Moukhola	14.3	33.0	201.9	2887.2	0.0
3	3(e)	Mou Tsangchu west	7.1	30.0	194.7	1382.4	0.0
3	3(f)	Mou Tsangchu North	43.3	21.7	134.3	5808.5	0.0
3	3G)	Gelethang top	100.0	17.8	109.4	10940.0	0.0
3	3(h)	Ramathi south	125.0	14.4	82.5	10312.5	0.0
3	3(i)	Noonpani west	68.8	10.3	61.9	4258.7	0.0
3	3 (J)	Jangchubling south	12.0	22.0	168.8	2025.6	0.0
2	2(A)	Tirkhola	36.2	10.4	61.4	2222.7	0.0
2	2(B)	Bechkhola	75.0	16.3	98.8	7410.0	0.0
2	2(C)	Bechkhola	110.3	12.4	85.6	9441.7	0.0
2	2(D)	Tirkhola	61.6	17.6	109.6	6751.4	0.0
2	2(E)	Bechkhola	78.8	8.7	60.4	4759.5	0.0
2	2(F)	Bechkhola	25.0	12.3	72.4	1810.0	0.0
1	1(A)	Phedey	76.6	14.3	108.0	8272.8	0.0
1	1(B)	Phedey	54.2	14.6	103.7	5620.5	0.0
1	1(C)	Phedey	50.0	26.7	0.0	0.0	0.0
1	1(D)	Phedey	92.9	17.8	118.7	11027.2	0.0
1	1(E)	Phedey	34.6	12.0	70.1	2425.5	0.0
4	4(A)	Gungring(Gelethang)	70.4	18.5	11.5	809.6	0.0
4	4(B)	Gungring(Gelethang)	33.8	5.1	32.8	1108.6	0.0
4	4(C)	Bechkhola	25.0	14.0	89.9	2247.5	0.0
4	4(D)	Gelethang	25.0	17.5	126.1	3152.5	0.0
4	4{E}	Gelethang	43.8	19.1	128.2	5615.2	0.0
4	4(F)	Gelethang	50.0	21.3	141.9	7095.0	0.0
5	5(A)	Patibara	76.6	17.0	115.6	8855.0	0.0
5	5(B)	Sherubling	25.9	11.6	71.0	1838.9	0.0
5	5(C)	Sherubling	56.3	20.2	134.6	7578.0	0.0
5	5(D)	Sherubling	87.9	15.7	100.6	8842.7	0.0
5	5(E)	Noonpani	113.6	14.4	91.5	10394.4	0.0
5	5(F)	Noonpani	90.3	14.1	97.2	8777.2	0.0
5	5(J)	Norbugang	31.6	15.6	98.9	3125.2	0.0
5	5(K)	Sherubling	25.0	12.0	75.4	1885.0	0.0
5	5(M)	Sherubling	43.8	16.6	93.8	4108.4	0.0
5	5(N)	Mongarling A	81.0	12.4	80.6	6528.6	0.0
5	5(O)	Mongarling B	63.9	15.2	104.7	6690.3	0.0
5	5 (P)	Mongarling C	50.6	13.8	88.7	4488.2	0.0
5	5 (G)	Thongjabee area	108.7	22.3	145.7	15837.6	0.0
5	5 (H)	Thongjabee area	62.5	17.2	111.0	6937.5	0.0
5	5 (I)	Chunithang	150.0	15.3	104.9	15735.0	0.0
5	5 (L)	Sherubling	69.2	18.7	114.5	7923.4	0.0

Compartment		Production area	Basal Area	Volume	Tot. Volume	V conifer
		(ha)	(m2/ha)	(m3/ha)	(m3)	(%)
1	Phedey	308.3	17.2	88.7	27346.0	0.0
2	Tirkhola	386.9	13.0	83.7	32395.2	0.0
3	Jangchubling	533.2	17.4	106.1	56560.3	0.0
4	Gelethang	248.0	16.8	80.8	20028.4	0.0
5	Sherubling	1136.9	16.1	105.2	119545.5	0.0
0	0	0.0	0.0	0.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0
Total per Gewog		**2613.3**	**16.1**	**97.9**	**255875.4**	**0.0**

Forest Type Distribution in Forest Management Area of: Chudzom

Comp No.	Sub-Compartment No.	Name	Prod. Area (ha)	Forest Type Distribution (in ha)								
				Hemlock	Fir	Spruce	Mix. Con.	Blue pine	Chir pine	Hard wood	Mixed HC	Total
3	3(a)	Jangchubling west	81.25							81.3		6.5
3	3(b)	Moukhola North	31.5							31.5		
3	3(c)	Moukhola west !	50							50.0		
3	3(d)	Moukhola	14.3							14.3		
3	3(e)	Mou Tsangchu west	7.1							7.1		
3	3(f)	Mou Tsangchu North	43.25							43.3		
3	3G)	Gelethang top	100							100.0		
3	3(h)	Ramathi south	125							125.0		
3	3(i)	Noonpani west	68.8							68.8		5.5
3	3 (J)	Jangchubling south	12							12.0		
2	2(A)	Tirkhola	36.2							36.2		15.9
2	2(B)	Bechkhola	75							75.0		6.0
2	2(C)	Bechkhola	110.3							110.3		
2	2(D)	Tirkhola	61.6							61.6		4.3
2	2(E)	Bechkhola	78.8							78.8		
2	2(F)	Bechkhola	25							25.0		
1	1(A)	Phedey	76.6							76.6		
1	1(B)	Phedey	54.2							54.2		
1	1(C)	Phedey	50							50.0		4.0
1	1(D)	Phedey	92.9							92.9		30.7
1	1(E)	Phedey	34.6							34.6		17.3
4	4(A)	Gungring(Gelethang)	70.4							70.4		5.6
4	4(B)	Gungring(Gelethang)	33.8							33.8		
4	4(C)	Bechkhola	25							25.0		
4	4(D)	Gelethang	25							25.0		
4	4{E}	Gelethang	43.8							43.8		
4	4(F)	Gelethang	50							50.0		6.5
5	5(A)	Patibara	76.6							76.6		76.6
5	5(B)	Sherubling	25.9							25.9		5.7
5	5(C)	Sherubling	56.3							56.3		
5	5(D)	Sherubling	87.9							87.9		
5	5(E)	Noonpani	113.6							113.6		28.4
5	5(F)	Noonpani	90.3							90.3		23.5
5	5(J)	Norbugang	31.6							31.6		7.0
5	5(K)	Sherubling	25							25.0		
5	5(M)	Sherubling	43.8							43.8		6.1

5	5(N)	Mongarling A	81							81.0		13.8
5	5(O)	Mongarling B	63.9							63.9		8.3
5	5 (P)	Mongarling C	50.6							50.6		11.1
5	5 (G)	Thongjabee area	108.7							108.7		10.9
5	5 (H)	Thongjabee area	62.5							62.5		12.5
5	5 (I)	Chunithang	150							150.0		12.0
5	5 (L)	Sherubling	69.2							69.2		11.8

Compartment		**Prod. Area**	**Forest Type Distribution (in ha)**								
		(ha)	**Hemlock**	**Fir**	**Spruce**	**Mix. Con.**	**Bluepine**	**Chirpine**	**Hardwood**	**Mixed HC**	**Total**
1	Phedey	308.3							100%		**100 %**
2	Tirkhola	386.9							100%		**100 %**
3	Jangchubling	533.2							100%		**100 %**
4	Gelethang	248.0							100%		**100 %**
5	Sherubling	1136.9							100%		**100 %**
Total per Gewog		**2613.3**							**100%**		**100 %**

Canopy Closure and Condition of Forest Management Area of: Chudzom

Comp No.	Sub-Compartment		Prod. Area	Canopy closure (ha)					Condition (ha)			
	No.	Name	(ha)	dense	closed	open	unstocked	Total	good	average	poor	Total
3	3(a)	Jangchubling west	81.25		37.4	18.7	25.2	81.3	6.5	56.1	18.7	81.3
3	3(b)	Moukhola North	31.5		25.2	6.3		31.5		31.5		31.5
3	3(c)	Moukhola west !	50	12.5	25.0	12.5		50.0	12.5	37.5		50.0
3	3(d)	Moukhola	14.3		14.3			14.3		14.3		14.3
3	3(e)	Mou Tsangchu west	7.1		7.1			7.1		7.1		7.1
3	3(f)	Mou Tsangchu North	43.25		30.7	12.5		43.3	6.1	30.7	6.1	42.8
3	3G)	Gelethang top	100		69.0	31.0		100.0	6.0	66.0	6.0	78.0
3	3(h)	Ramathi south	125		112.5	12.5		125.0	50.0	62.5	12.5	125.0
3	3(i)	Noonpani west	68.8		31.6	15.8	21.3	68.8	5.5	47.5	15.8	68.8
3	3 (J)	Jangchubling south	12		9.6	2.4		12.0		12.0		12.0
2	2(A)	Tirkhola	36.2		15.9	20.3		36.2		24.3	11.9	36.2
2	2(B)	Bechkhola	75		56.3	12.8	6.0	75.0	31.5	31.5	12.8	75.8
2	2(C)	Bechkhola	110.3		99.3	11.0		110.3		104.8	5.5	110.3
2	2(D)	Tirkhola	61.6	4.3	45.0	8.0	4.3	61.6	20.3	41.3		61.6
2	2(E)	Bechkhola	78.8		63.0	15.8		78.8		68.6	10.2	78.8
2	2(F)	Bechkhola	25		20.8	4.3		25.0	4.3	20.8		25.0
1	1(A)	Phedey	76.6	10.0	62.0	4.6		76.6	14.6	52.9	10.0	77.4
1	1(B)	Phedey	54.2	4.3	46.1	4.3		54.7	4.3	46.1		50.4
1	1(C)	Phedey	50		37.5	8.5		46.0	21.0	21.0	8.5	50.5
1	1(D)	Phedey	92.9		46.5	46.5		92.9	5.6	72.5	20.4	98.5
1	1(E)	Phedey	34.6		17.3	17.3		34.6		21.8	13.1	34.9

4	4(A)	Gungring(Gel ethang)	70.4		70.4			70.4	5.6	59.8	5.6	71.1
4	4(B)	Gungring(Gel ethang)	33.8	3.7	26.4	3.7		33.8		33.8		33.8
4	4(C)	Bechkhola	25		20.8	4.3		25.0	4.3	20.8		25.0
4	4(D)	Gelethang	25		18.8	6.3		25.0		25.0		25.0
4	4{E}	Gelethang	43.8	12.7	31.1			43.8		43.8		43.8
4	4(F)	Gelethang	50	19.0	31.5			50.5	6.5	44.0		50.5
5	5(A)	Patibara	76.6		76.6			76.6		76.6		76.6
5	5(B)	Sherubling	25.9		14.5	5.7	5.7	25.9		20.2	5.7	25.9
5	5(C)	Sherubling	56.3		43.9	12.4		56.3		43.9	12.4	56.3
5	5(D)	Sherubling	87.9	11.4	76.5			87.9	11.4	76.5		87.9
5	5(E)	Noonpani	113.6	11.4	85.2	11.4	5.7	113.6	5.7	96.6	11.4	113.6
5	5(F)	Noonpani	90.3	9.9	75.9	4.5		90.3	4.5	80.4	4.5	89.4
5	5(J)	Norbugang	31.6		28.1	3.5		31.6		28.1	3.5	31.6
5	5(K)	Sherubling	25		18.8		6.3	25.0	3.3	15.8	6.3	25.3
5	5(M)	Sherubling	43.8		18.8	12.7	12.7	44.2		25.0	18.8	43.8
5	5(N)	Mongarling A	81	4.9	67.2	4.9	4.9	81.8	4.9	72.1	4.9	81.8
5	5(O)	Mongarling B	63.9	4.5	59.4			63.9	4.5	59.4		63.9
5	5 (P)	Mongarling C	50.6	5.6	45.0			50.6	5.6	45.0		50.6
5	5 (G)	Thongjabee area	108.7		76.1	32.6		108.7	21.7	54.4	32.6	108.7
5	5 (H)	Thongjabee area	62.5		25.0	25.0	12.5	62.5	6.3	43.8	12.5	62.5
5	5 (I)	Chunithang	150	6.0	63.0	57.0	25.5	151.5	43.5	69.0	37.5	150.0
5	5 (L)	Sherubling	69.2		34.6	29.1	5.5	69.2	29.1	34.6	5.5	69.2

Compartment		Prod. Area	Canopy closure (ha)					Condition (ha)			
		(ha)	dense	closed	open	unstocked	Total	good	average	poor	Total
1	Phedey	308.3	5%	68%	26%		**99%**	15%	69%	17%	**101%**
2	Tirkhola	386.9	1%	78%	19%	3%	**100%**	14%	75%	10%	**100%**
3	Jangchubling	533.2	2%	68%	21%	9%	**100%**	16%	68%	11%	**96%**
4	Gelethang	248.0	14%	80%	6%		**100%**	7%	92%	2%	**100%**
5	Sherubling	1136.9	5%	71%	17%	7%	**100%**	12%	74%	14%	**100%**
Total per Gewog		**2613.3**	**5%**	**72%**	**18%**	**5%**	**100%**	**13%**	**74%**	**12%**	**99%**

Age Distribution and Stand Types in Forest Management Area of: Chudzom

Comp No.	Sub-Compartment No.	Name	Prod. Area (ha)	Age distribution					Stand type distribution			
				young	immature	mature	overmature	Total	plantation	natural	coopice	Total
3	3(a)	Jangchubling west	81.25	6.5	69.1	6.5		82.1		81.3		81.3
3	3(b)	Moukhola North	31.5		31.5			31.5		31.5		31.5
3	3(c)	Moukhola west !	50		50.0			50.0		50.0		50.0
3	3(d)	Moukhola	14.3		14.3			14.3		14.3		14.3
3	3(e)	Mou Tsangchu west	7.1		7.1			7.1		7.1		7.1
3	3(f)	Mou Tsangchu North	43.25		30.7	12.5		43.3		43.3		43.3
3	3G)	Gelethang top	100		81.0	19.0		100.0		100.0		100.0
3	3(h)	Ramathi south	125		93.8	31.3		125.0		125.0		125.0
3	3(i)	Noonpani west	68.8	5.5	58.5	5.5		69.5		68.8		68.8
3	3 (J)	Jangchubling south	12		12.0			12.0		12.0		12.0
2	2(A)	Tirkhola	36.2	15.9	20.3			36.2		36.2		36.2
2	2(B)	Bechkhola	75	6.0	12.8	43.5		62.3		75.0		75.0
2	2(C)	Bechkhola	110.3		110.3			11		110.		11

								0.3		3		0.3
2	2(D)	Tirkhola	61.6	4.3	49.3	1.8		55.4		61.6		61.6
2	2(E)	Bechkhola	78.8		78.8			78.8		78.8		78.8
2	2(F)	Bechkhola	25		25.0			25.0		25.0		25.0
1	1(A)	Phedey	76.6		76.6			76.6		76.6		76.6
1	1(B)	Phedey	54.2		54.2			54.2		54.2		54.2
1	1(C)	Phedey	50	4.0	16.5	29.0		49.5		50.0		50.0
1	1(D)	Phedey	92.9	30.7	62.2			92.9		92.9		92.9
1	1(E)	Phedey	34.6	17.3	17.3			34.6		34.6		34.6
4	4(A)	Gungring(Gelethang)	70.4	5.6	64.8			70.4		70.4		70.4
4	4(B)	Gungring(Gelethang)	33.8			33.8		33.8		33.8		33.8
4	4(C)	Bechkhola	25		25.0			25.0		25.0		25.0
4	4(D)	Gelethang	25		18.8	6.3		25.0		25.0		25.0
4	4{E}	Gelethang	43.8		12.7	31.1		43.8		43.8		43.8
4	4(F)	Gelethang	50	6.5	25.0	15.0		46.5		50.0		50.0
5	5(A)	Patibara	76.6	76.6			6.1	82.7		76.6		76.6
5	5(B)	Sherubling	25.9	5.7	20.2			25.9		25.9		25.9
5	5(C)	Sherubling	56.3		56.3			56.3		56.3		56.3
5	5(D)	Sherubling	87.9		76.5	11.4		87.9		87.9		87.9
5	5(E)	Noonpani	113.6	28.4	85.2			113.6		113.6		113.6
5	5(F)	Noonpani	90.3	23.5	66.8			90.3		90.3		90.3
5	5(J)	Norbugang	31.6	7.0	24.6			31.6		31.6		31.6
5	5(K)	Sherubling	25		22.0	3.3		25.3		25.0		25.0
5	5(M)	Sherubling	43.8	6.1	37.7			43.8		43.8		43.8
5	5(N)	Mongarling A	81	13.8	67.2			81.0		81.0		81.0
5	5(O)	Mongarling B	63.9	8.3	55.6			63.9		63.9		63.9
5	5 (P)	Mongarling C	50.6	11.1	39.5			50.6		50.6		50.6
5	5 (G)	Thongjabee area	108.7	10.9	59.8	38.0		108.7		108.7		108.7

5	5 (H)	Thongjabee area	62.5	12.5	50.0			62.5		62.5		62.5
5	5 (I)	Chunithang	150	12.0	81.0	43.5	12.0	148.5		150.0		150.0
5	5 (L)	Sherubling	69.2	11.8	40.1	17.3		69.2		69.2		69.2

Compartment		**Prod. Area**	**Age distribution**					**Stand type distribution**			
		(ha)	**young**	**immature**	**mature**	**overmature**	**Total**	**plantation**	**natural**	**coopice**	**Total**
1	Phedey	308.3	17%	74%	9%		100 %		100%		100 %
2	Tirkhola	386.9	7%	77%	12%		95%		100%		100 %
3	Jangchubling	533.2	2%	84%	14%		100 %		100%		100 %
4	Gelethang	248.0	5%	59%	35%		99%		100%		100 %
5	Sherubling	1136.9	20%	69%	10%	2%	100 %		100%		100 %
Total per Gewog		**2613.3**	**13%**	**73%**	**13%**	**1%**	**99 %**		**100%**		**100 %**

Sub-Compartment		Prod. Area	Slope (in ha)			Erosiveness (in ha)			Soil Cover (in ha)		
No.	Name	(ha)	gentle	moderate	steep	stable	moderate	unstable	high	moderate	low
3(c)	Moukhola west	50	0.0	50.0	0.0	12.5	37.5	0.0	0.0	50.0	0.0
3(d)	Moukhola	14.3	0.0	14.3	0.0	0.0	14.3	0.0	0.0	14.3	0.0
3(e)	Mou Tsangchu west	7.1	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0
3(f)	Mou Tsangchu North	43.25	18.6	24.7	0.0	12.5	30.7	0.0	12.5	24.7	6.1
3G)	Gelethang top	100	38.0	63.0	0.0	63.0	38.0	0.0	50.0	50.0	0.0
3(h)	Ramathi south	125	43.8	81.3	0.0	62.5	62.5	0.0	6.3	93.8	25.0
3(i)	Noonpani west	68.8	21.3	47.5	0.0	10.3	58.5	0.0	10.3	53.0	5.5
3 (J)	Jangchubling south	12	2.4	9.6	0.0	12.0	0.0	0.0	7.2	4.8	0.0
2(A)	Tirkhola	36.2	11.9	24.3	0.0	15.9	20.3	0.0	4.0	32.2	0.0
2(B)	Bechkhola	75	0.0	62.3	12.8	37.5	24.8	6.0	24.8	43.5	6.0
2(C)	Bechkhola	110.3	11.0	99.3	0.0	32.0	78.3	0.0	26.5	78.3	5.5
2(D)	Tirkhola	61.6	20.3	41.3	0.0	16.6	45.0	4.3	16.6	41.3	4.3
2(E)	Bechkhola	78.8	5.5	73.3	0.0	26.0	52.8	0.0	15.8	57.5	5.5
2(F)	Bechkhola	25	8.3	16.8	0.0	8.3	16.8	0.0	4.3	20.8	0.0
1(A)	Phedey	76.6	14.6	62.0	0.0	19.2	57.5	0.0	19.2	57.5	0.0
1(B)	Phedey	54.2	4.3	46.1	0.0	4.3	41.7	8.1	4.3	46.1	8.1
1(C)	Phedey	50	0.0	41.5	8.5	25.0	21.0	4.0	16.5	29.0	0.0
1(D)	Phedey	92.9	10.2	77.1	5.6	15.8	77.1	0.0	0.0	92.9	0.0
1(E)	Phedey	34.6	13.1	21.8	0.0	17.3	17.3	0.0	4.5	30.4	0.0
4(A)	Gungring(Gelethang)	70.4	10.6	59.8	0.0	21.8	44.4	0.0	0.0	70.4	0.0
4(B)	Gungring(Gelethang)	33.8	0.0	33.8	0.0	0.0	33.8	0.0	0.0	33.8	0.0
4(C)	Bechkhola	25	8.3	16.8	0.0	8.3	16.8	0.0	4.3	20.8	0.0
4(D)	Gelethang	25	6.3	18.8	0.0	0.0	25.0	0.0	0.0	25.0	0.0
4{E}	Gelethang	43.8	0.0	43.8	0.0	0.0	43.8	0.0	0.0	43.8	0.0

4(F)	Gelethang	50	0.0	50.0	0.0	6.5	44.0	0.0	19.0	44.0	0.0
5(A)	Patibara	76.6	5.4	71.2	0.0	5.4	71.2	0.0	5.4	71.2	0.0
5(B)	Sherubling	25.9	8.5	17.4	0.0	8.5	17.4	0.0	2.8	23.1	0.0
5(C)	Sherubling	56.3	0.0	56.3	0.0	0.0	56.3	0.0	0.0	56.3	0.0
5(D)	Sherubling	87.9	0.0	81.7	6.2	6.2	81.7	0.0	0.0	87.9	0.0
5(E)	Noonpani	113.6	39.8	73.8	0.0	17.0	96.6	0.0	17.0	96.6	0.0
5(F)	Noonpani	90.3	19.0	71.3	0.0	19.0	71.3	0.0	9.9	80.4	0.0
5(J)	Norbugang	31.6	7.0	24.6	0.0	17.7	13.9	0.0	0.0	31.6	0.0
5(K)	Sherubling	25	0.0	25.0	0.0	0.0	25.0	0.0	0.0	25.0	0.0
5(M)	Sherubling	43.8	18.8	25.0	0.0	18.8	25.0	0.0	0.0	31.1	12.7
5(N)	Mongarling A	81	8.9	72.1	0.0	54.3	26.7	0.0	13.8	67.2	0.0
5(O)	Mongarling B	63.9	8.3	55.6	0.0	8.3	55.6	0.0	8.3	55.6	0.0
5 (P)	Mongarling C	50.6	5.6	45.0	0.0	11.1	39.5	0.0	5.6	45.0	0.0
5 (G)	Thongjabee area	108.7	21.7	81.5	5.4	16.3	87.0	5.4	21.7	65.2	21.7
5 (H)	Thongjabee area	62.5	12.5	12.5	6.3	12.5	43.8	6.3	6.3	50.0	6.3
5 (I)	Chunithang	150	57.0	81.0	12.0	43.5	94.5	12.0	25.5	87.0	37.5
5 (L)	Sherubling	69.2	11.8	57.4	0.0	5.5	57.4	5.5	5.5	57.4	5.5

Compartment		Prod. Area (ha)	Slope (in ha)			Erosiveness (in ha)			Soil Cover (in ha)		
			gentle	moderate	steep	stable	moderate	unstable	high	moderate	low
1	Phedey	308.3	14%	81%	5%	26%	70%	4%	14%	83%	3%
2	Tirkhola	386.9	15%	82%	3%	35%	61%	3%	24%	71%	6%
3	Jangchubling	533.2	34%	66%		41%	60%		23%	69%	8%
4	Gelethang	248	10%	90%		15%	84%		9%	96%	
5	Sherubling	1136.9	20%	75%	3%	21%	76%	3%	11%	82%	7%

Total per Gewog		**2613.3**	**20%**	**76%**	**2%**	**27%**	**70%**	**2%**	**16 %**	**79%**	**6 %**

Distribution of Management Options for Forest Management Area of: Chudzom

Comp No.	**Sub-Compartment**		**Prod. Area**	**Management Option (in ha)**					
	No.	**Name**	**(ha)**	**No activity**	**Improvement**	**Timber**	**Firewood**	**Silvopast.**	**Shokshing**
3	3(b)	Moukhola North	31.5	6.3	0.0	0.0	6.3	0.0	0.0
3	3(c)	Moukhola west !	50	25.0	0.0	0.0	50.0	0.0	0.0
3	3(d)	Moukhola	14.3	21.9	0.0	0.0	0.0	0.0	0.0
3	3(e)	Mou Tsangchu west	7.1	21.9	0.0	0.0	21.9	0.0	0.0
3	3(f)	Mou Tsangchu North	43.25	10.6	0.0	10.6	10.6	0.0	0.0
3	3G)	Gelethang top	100	6.3	0.0	0.0	12.5	0.0	0.0
3	3(h)	Ramathi south	125	6.3	0.0	0.0	12.5	0.0	0.0
3	3(i)	Noonpani west	68.8	7.2	0.0	0.0	7.2	0.0	0.0
3	3 (J)	Jangchubling south	12	16.3	0.0	0.0	0.0	0.0	0.0
2	2(A)	Tirkhola	36.2	9.7	0.0	9.7	19.4	0.0	0.0
2	2(B)	Bechkhola	75	8.3	0.0	8.3	16.7	0.0	0.0
2	2(C)	Bechkhola	110.3	7.4	0.0	0.0	89.3	0.0	0.0
2	2(D)	Tirkhola	61.6	9.6	0.0	9.6	19.2	0.0	0.0
2	2(E)	Bechkhola	78.8	8.8	0.0	0.0	0.0	0.0	0.0
2	2(F)	Bechkhola	25	9.4	0.0	9.4	9.4	0.0	0.0
1	1(A)	Phedey	76.6	8.2	0.0	82.0	82.0	0.0	0.0
1	1(B)	Phedey	54.2	0.0	0.0	0.0	0.0	0.0	0.0
1	1(C)	Phedey	50	8.3	0.0	8.3	16.7	0.0	0.0
1	1(D)	Phedey	92.9	8.3	0.0	8.3	25.0	0.0	0.0
1	1(E)	Phedey	34.6	10.9	0.0	10.9	21.9	0.0	0.0
4	4(A)	Gungring(Gelethang)	70.4	7.2	28.8	0.0	28.8	0.0	0.0
4	4(B)	Gungring(Gelethang)	33.8	4.9	0.0	0.0	4.9	0.0	0.0
4	4(C)	Bechkhola	25	9.4	0.0	9.4	9.4	0.0	0.0
4	4(D)	Gelethang	25	6.3	0.0	12.5	18.8	0.0	0.0
4	4{E}	Gelethang	43.8	6.3	0.0	25.0	31.3	0.0	0.0

4	4(F)	Gelethang	50	6.3	0.0	12.5	12.5	0.0	0.0
5	5(A)	Patibara	76.6	7.1	0.0	50.0	71.4	0.0	0.0
5	5(B)	Sherubling	25.9	13.9	69.4	13.9	97.2	0.0	0.0
5	5(C)	Sherubling	56.3	9.0	18.1	45.1	45.1	0.0	0.0
5	5(D)	Sherubling	87.9	6.7	13.3	66.7	46.7	0.0	0.0
5	5(E)	Noonpani	113.6	6.9	13.8	34.4	82.5	0.0	0.0
5	5(F)	Noonpani	90.3	8.2	16.4	41.1	139.8	0.0	0.0
5	5(J)	Norbugang	31.6	11.1	33.3	22.2	33.3	0.0	0.0
5	5(K)	Sherubling	25	12.5	25.0	25.0	75.0	0.0	0.0
5	5(M)	Sherubling	43.8	6.3	0.0	0.0	6.3	0.0	0.0
5	5(N)	Mongarling A	81	8.7	17.4	104.2	26.0	0.0	0.0
5	5(O)	Mongarling B	63.9	9.2	18.3	64.2	91.7	0.0	0.0
5	5 (P)	Mongarling C	50.6	6.9	6.9	41.7	48.6	0.0	0.0
5	5 (G)	Thongjabee area	108.7	7.2	35.9	79.1	35.9	0.0	0.0
5	5 (H)	Thongjabee area	62.5	6.3	6.3	18.8	25.0	0.0	0.0
5	5 (I)	Chunithang	150	6.3	0.0	18.8	31.3	0.0	0.0
5	5 (L)	Sherubling	69.2	6.8	0.0	27.1	33.9	0.0	0.0

Compartment		**Prod. Area (ha)**	**Management Option (in ha)**					
			No activity	**Improvement**	**Timber**	**Firewood**	**Silvopast.**	**Shokshing**
1	Phedey	308.3	35.7	0.0	109.5	145.6	0.0	0.0
2	Tirkhola	386.9	53.2	0.0	37.0	154.0	0.0	0.0
3	Jangchubling	533.2	128.1	0.0	10.6	171.0	0.0	0.0
4	Gelethang	248.0	40.4	28.8	59.4	105.7	0.0	0.0
5	Sherubling	1136.9	133.1	274.1	652.3	889.7	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total per Gewog		**2613.3**	**390.5**	**302.9**	**868.8**	**1466.0**	**0.0**	**0.0**

Production Potential of Forest Management Area: Chudzom

Comp No.	Sub-Compartment No.	Name	Prod. Area (ha)	Volume (m3/ha)		harv. Volume (m3/ha)	Extract. Rate	Timber (Total Volume m3)				Firewood (Total Volume m3)			
								Drashing	Cham	Tsim	Poles, posts	> 49 cm	30-49cm	20-29 cm	10-19 cm
3	3(a)	Jangchubling west	81.3	61.9	5029.4	1507.0	30.0%	350	0	0	0	0	812	345	0
3	3(b)	Moukhola North	31.5	89.4	2816.1	470.0	16.7%	104	97	0	0	0	170	0	99
3	3(c)	Moukhola west !	50.0	222.0	11100.0	5740.0	51.7%	1263	969	0	0	1302	2206	0	0
3	3(d)	Moukhola	14.3	201.9	2887.2	3785.0	131.1%	0	49	0	0	74	461	3201	0
3	3(e)	Mou Tsangchu west	7.1	194.7	1382.4	335.0	24.2%	0	49	20	0	32	190	44	0
3	3(f)	Mou Tsangchu North	43.3	134.3	5808.5	806.0	13.9%	267	0	0	0	71	468	0	0
3	3G)	Gelethang top	100.0	109.4	10940.0	1628.0	14.9%	0	120	0	0	227	975	306	0
3	3(h)	Ramathi south	125.0	82.5	10312.5	1823.0	17.7%	0	461	0	0	0	1362	0	0
3	3(i)	Noonpani west	68.8	61.9	4258.7	1275.0	29.9%	296	0	0	0	0	687	292	0
3	3 (J)	Jangchubling south	12.0	168.8	2025.6	723.0	35.7%	83	37	0	0	260	258	85	0
2	2(A)	Tirkhola	36.2	61.4	2222.7	265.0	11.9%	73	125	0	0	67	0	0	0
2	2(B)	Bechkhola	75.0	98.8	7410.0	1141.0	15.4%	78	268	0	112	155	413	115	0
2	2(C)	Bechkhola	110.3	85.6	9441.7	3925.0	41.6%	1315	0	0	0	1434	1118	58	0
2	2(D)	Tirkhola	61.6	109.6	6751.4	1244.0	18.4%	68	233	0	155	135	498	155	0
2	2(E)	Bechkhola	78.8	60.4	4759.5	1297.0	27.3%	331	0	0	0	768	198	0	0
2	2(F)	Bechkhola	25.0	72.4	1810.	355.0	19.6%	0	113	0	0	0	242	0	0

					0										
1	1(A)	Phedey	76.6	108.0	8272.8	4128.0	49.9%	1427	0	0	0	1819	882	0	0
1	1(B)	Phedey	54.2	103.7	5620.5	1799.0	32.0%	1088	711	0	0	0	0	0	0
1	1(C)	Phedey	50.0	0.0	0.0	1732.0	0.0 %	152	303	0	0	442	700	102	33
1	1(D)	Phedey	92.9	118.7	11027.2	1389.0	12.6%	186	370	57	0	405	371	0	0
1	1(E)	Phedey	34.6	70.1	2425.5	284.0	11.7%	78	134	0	0	72	0	0	0
4	4(A)	Gungring (Geletha ng)	70.4	11.5	809.6	544.0	67.2%	208	252	0	0	0	84	0	0
4	4(B)	Gungring (Geletha ng)	33.8	32.8	1108.6	193.0	17.4%	0	0	0	0	0	163	0	30
4	4(C)	Bechkhola	25.0	89.9	2247.5	440.0	19.6%	0	121	0	0	0	319	0	0
4	4(D)	Gelethang	25.0	126.1	3152.5	2372.0	75.2%	1292	291	0	0	0	739	0	50
4	4{E}	Gelethang	43.8	128.2	5615.2	2530.0	45.1%	1056	678	0	0	311	485	0	0
4	4(F)	Gelethang	50.0	141.9	7095.0	3638.0	51.3%	1894	775	0	0	0	969	0	0
5	5(A)	Patibara	76.6	115.6	8855.0	3187.0	36.0%	693	0	0	0	1476	1018	0	0
5	5(B)	Sherubling	25.9	71.0	1838.9	95.0	5.2 %	51	0	0	0	0	44	0	0
5	5(C)	Sherubling	56.3	134.6	7578.0	3783.0	49.9%	2329	0	0	0	0	1454	0	0
5	5(D)	Sherubling	87.9	100.6	8842.7	3486.0	39.4%	2577	0	0	0	0	909	0	0
5	5(E)	Noonpani	113.6	91.5	1039 4.4	2014.0	19.4%	592	1090	0	0	332	0	0	0
5	5(F)	Noonpani	90.3	97.2	8777.2	1313.0	15.0%	878	0	0	0	435	0	0	0
5	5(J)	Norbugang	31.6	98.9	3125.2	58.0	1.9 %	58	0	0	0	0	0	0	0

5	5(K)	Sherubling	25.0	75.4	1885.0	100.0	5.3%	0	0	0	0	52	48	0	0
5	5(M)	Sherubling	43.8	93.8	4108.4	687.0	16.7%	0	0	0	0	311	376	0	0
5	5(N)	Mongarling A	81.0	80.6	6528.6	1920.0	29.4%	394	0	0	0	767	759	0	0
5	5(O)	Mongarling B	63.9	104.7	6690.3	1940.0	29.0%	746	0	0	0	599	595	0	0
5	5 (P)	Mongarling C	50.6	88.7	4488.2	911.0	20.3%	102	0	0	0	373	436	0	0
5	5 (G)	Thongjabee area	108.7	145.7	15837.6	2565.0	16.2%	1881	169	0	0	515	0	0	0
5	5 (H)	Thongjabee area	62.5	111.0	6937.5	2249.0	32.4%	1273	0	0	0	685	291	0	0
5	5 (I)	Chunithang	150.0	104.9	15735.0	6172.0	39.2%	3880	0	0	0	1553	739	0	0
5	5 (L)	Sherubling	69.2	114.5	7923.4	1201.0	15.2%	505	0	0	0	96	600	0	0

Total per Compartment													
	Prod. Area	**Volume**	**harv. Volume**	**Extract.**	**Timber (Total Volume m3)**				**Firewood (Total Volume m3)**			
Compartment	**(ha)**	**(m3/ha)**	**(m3/ha)**	**Rate**	**Drashing**	**Cham**	**Tsim**	**Poles, posts**	**> 49cm**	**30-49cm**	**20-29 cm**	**10-19 cm**
1 Phedey	308.3	88.7	9332	34%	2931	1518	57	0	2738	1953	102	33
2 Tirkhola	386.9	83.7	8227	25%	1865	739	0	267	2559	2469	328	0
3 Jangchubling	533.2	106.1	18092	32%	2363	1782	20	0	1966	7589	4273	99
4 Gelethang	248.0	80.8	9717	49%	4450	2117	0	0	311	2759	0	80
5 Sherubling	1136.9	105.2	31681	27%	15959	1259	0	0	7194	7269	0	0
0 0	0.0	0.0	0	0%	0	0	0	0	0	0	0	0
0 0	0.0	0.0	0	0%	0	0	0	0	0	0	0	0
0 0	0.0	0.0	0	0%	0	0	0	0	0	0	0	0
0 0	0.0	0.0	0	0%	0	0	0	0	0	0	0	0
Total per Gewog	**2613.3**	**464.4**	**77049.0**	**30%**	**27568**	**7415**	**77**	**267**	**14768**	**22039**	**4703**	**212**

Production Potential of Forest Management Area:
Chudzom

Comp No.	Sub-Compartment No.	Name	Prod. Area (ha)	BA (m2/ha)	BA extr. (m2/ha)	Extract. Rate	Timber (N total) Drashing	Cham	Tsim	Poles, posts	Firewood (N total) >49 cm	30-49cm	20-29 cm	10-19 cm
3	3(a)	Jangchubling west	81.3	10.3	2.7	26.0%	88					964	1273	
3	3(b)	Moukhola North	31.5	15.2	2.8	18.4%	53	79				260		1415
3	3(c)	Moukhola west !	50.0	36.0	16.8	46.7%	601	786			542	2400		
3	3(d)	Moukhola	14.3	33.0	15.7	47.5%		74				461	3201	
3	3(e)	Mou Tsangchu west	7.1	30.0	7.8	25.9%		74	73		11	245	146	
3	3(f)	Mou Tsangchu North	43.3	21.7	2.4	10.9%	72				13	556		
3	3G)	Gelethang top	100.0	17.8	2.6	14.4%		260			75	1145	1019	
3	3(h)	Ramathi south	125.0	14.4	2.0	13.7%		496				1460		
3	3(i)	Noonpani west	68.8	10.3	2.7	25.9%	74					816	1077	
3	3 (J)	Jangchubling south	12.0	22.0	9.6	43.7%	35	30			116	310	294	
2	2(A)	Tirkhola	36.2	10.4	1.0	9.3%	24	101			34			
2	2(B)	Bechkhola	75.0	16.3	2.7	16.4%	39	351		1592	79	508	382	
2	2(C)	Bechkhola	110.3	12.4	5.3	42.3%	518				644	967	214	
2	2(D)	Tirkhola	61.6	17.6	3.2	18.0%	34	305		1384	69	544	498	
2	2(E)	Bechkhola	78.8	8.7	2.6	30.2%	150				333	168		
2	2(F)	Bechkhola	25.0	12.3	5.1	41.9%		173			278			
1	1(A)	Phedey	76.6	14.3	5.5	38.2%	331				757			
1	1(B)	Phedey	54.2	14.6	4.4	30.3%	434	576						
1	1(C)	Phedey	50.0	26.7	5.0	18.8%	50	365			174	747	340	472
1	1(D)	Phedey	92.9	17.	2.1	12.	47	49	210		13	452		

				8		1%		4			6			
1	1(E)	Phedey	34.6	12.0	1.1	9.0%	26	109			36			
4	4(A)	Gungring(Gelethang)	70.4	18.5	0.9	4.9%	78	204				68		
4	4(B)	Gungring(Gelethang)	33.8	5.1	1.0	19.1%						203		424
4	4(C)	Bechkhola	25.0	14.0	2.4	16.8%		139				330		
4	4(D)	Gelethang	25.0	17.5	14.2	81.1%	557	236				783		707
4	4{E}	Gelethang	43.8	19.1	8.5	44.3%	496	550			158	393		
4	4(F)	Gelethang	50.0	21.3	10.4	49.0%	893	629				786		
5	5(A)	Patibara	76.6	17.0	7.0	41.1%	206	689			689	825		
5	5(B)	Sherubling	25.9	11.6	0.8	6.7%	17				35			
5	5(C)	Sherubling	56.3	20.2	10.0	49.7%	1083					1179		
5	5(D)	Sherubling	87.9	15.7	5.8	37.2%	1093					737		
5	5(E)	Noonpani	113.6	14.4	2.2	15.2%	246				121	857		
5	5(F)	Noonpani	90.3	14.1	1.6	11.5%	201				181			
5	5(J)	Norbugang	31.6	15.6	0.4	2.3%	30							
5	5(K)	Sherubling	25.0	12.0	0.6	5.0%					26	39		
5	5(M)	Sherubling	43.8	16.6	2.4	14.7%					158	366		
5	5(N)	Mongarling A	81.0	12.4	3.4	27.6%	157				347	659		
5	5(O)	Mongarling B	63.9	15.2	4.1	26.9%	285				236	482		
5	5 (P)	Mongarling C	50.6	13.8	2.6	18.7%	34				189	354		
5	5 (G)	Thongjabee area	108.7	22.3	2.8	12.6%	568	137			182			
5	5 (H)	Thongjabee area	62.5	17.2	3.9	22.6%	267				286	236		
5	5 (I)	Chunithang	150.0	15.3	5.3	34.6%	1159				647	783		
5	5 (L)	Sherubling	69.2	18.7	2.4	13.1%	193				49	603		

Compartment	Prod. Area	BA	BAextr.	Extract.	Timber (N total)				Firewood (N total)			
	(ha)	(m2/	(m2/	Rate	Drash	Cham	Tsi	Poles,	>	30-	20-29	10-19

			ha)	ha)		ing		m	posts	49cm	49cm	cm	cm
1	Phedey	308.3	17.2	3.7	22%	888	1544	210		1103	1199	340	472
2	Tirkhola	386.9	13.0	3.5	27%	765	930		2976	1437	2187	1094	
3	Jangchubling	533.2	17.4	4.4	25%	923	1799	73		757	8617	7010	1415
4	Gelethang	248.0	16.8	5.7	34%	2024	1758			158	2563		1131
5	Sherubling	1136.9	16.1	3.8	24%	5539	826			3146	7120		
Total per Gewog		**2613.3**	**80.5**	**21.0**	**26%**	**10139**	**6857**	**283**	**2976**	**6601**	**21686**	**8444**	**3018**

Silvicultural Measures for Forest Management Area: Chudzom

Comp No.	Sub-Compartment No.	Name	Production Area (ha)	Sivicultural Measures (in ha)				Sivicultural Measures (in % of area)			
				Planting	Thinning	Felling		Planting	Thinning	Felling	
3	3(a)	Jangchubling west	81.3			40.6	40.6			50	50
3	3(b)	Moukhola North	31.5			6.3				20	
3	3(c)	Moukhola west !	50.0		12.5	25.0	12.5		25	50	25
3	3(d)	Moukhola	14.3		4.7	4.7	4.7		33	33	33
3	3(e)	Mou Tsangchu west	7.1		2.3	2.3	2.3		33	33	33
3	3(f)	Mou Tsangchu North	43.3	8.7	8.7	8.7	8.7	20	20	20	20
3	3G)	Gelethang top	100.0		50.0	33.0	17.0		50	33	17
3	3(h)	Ramathi south	125.0		78.8	31.3	16.3		63	25	13
3	3(i)	Noonpani west	68.8			34.4	34.4			50	50
3	3 (J)	Jangchubling south	12.0	2.0	2.0	6.0	2.0	17	17	50	17
2	2(A)	Tirkhola	36.2			27.2	9.1			75	25
2	2(B)	Bechkhola	75.0		32.3	10.5	10.5		43	14	14
2	2(C)	Bechkhola	110.3		62.9	44.1	3.3		57	40	3
2	2(D)	Tirkhola	61.6		30.8	23.4	8.0		50	38	13
2	2(E)	Bechkhola	78.8		73.3		5.5		93		7
2	2(F)	Bechkhola	25.0		8.3	8.3	8.3		33	33	33
1	1(A)	Phedey	76.6		36.8	36.8	3.8		48	48	5
1	1(B)	Phedey	54.2		26.0	26.0	2.2		48	48	4
1	1(C)	Phedey	50.0		21.5	7.0	7.0		43	14	14
1	1(D)	Phedey	92.9		40.9	40.9	10.2		44	44	11

1	1(E)	Phedey	34.6		14.9	11.3	3.8		43	33	11
4	4(A)	Gungring(Geleth ang)	70.4	31.0		31.0	7.7	44		44	11
4	4(B)	Gungring(Geleth ang)	33.8			16.9	16.9			50	50
4	4(C)	Bechkhola	25.0		8.3	8.3	8.3		33	33	33
4	4(D)	Gelethang	25.0		3.5	18.0	3.5		14	72	14
4	4{E}	Gelethang	43.8		3.9	35.5	3.9		9	81	9
4	4(F)	Gelethang	50.0		8.5	33.0	8.5		17	66	17
5	5(A)	Patibara	76.6		19.2	54.4	3.1		25	71	4
5	5(B)	Sherubling	25.9	9.3		14.8	1.8	36		57	7
5	5(C)	Sherubling	56.3	6.8	13.5	32.7	3.4	12	24	58	6
5	5(D)	Sherubling	87.9	7.0	14.9	62.4	3.5	8	17	71	4
5	5(E)	Noonpani	113.6	11.4	5.7	80.7	5.7	10	5	71	5
5	5(F)	Noonpani	90.3	6.3	9.9	80.4	3.6	7	11	89	4
5	5(J)	Norbugang	31.6	8.5	5.7	14.2	2.8	27	18	45	9
5	5(K)	Sherubling	25.0	3.5	5.3	14.5	1.8	14	21	58	7
5	5(M)	Sherubling	43.8		14.5	14.5	14.5		33	33	33
5	5(N)	Mongarling A	81.0	5.7	32.4	40.5	2.4	7	40	50	3
5	5(O)	Mongarling B	63.9	3.8	22.4	35.1	1.9	6	35	55	3
5	5 (P)	Mongarling C	50.6	2.0	17.7	28.3	2.0	4	35	56	4
5	5 (G)	Thongjabee area	108.7	18.5	26.1	59.8	3.3	17	24	55	3
5	5 (H)	Thongjabee area	62.5	6.3	6.3	43.8	6.3	10	10	70	10
5	5 (I)	Chunithang	150.0		37.5	100.5	12.0		25	67	8
5	5 (L)	Sherubling	69.2		11.8	51.9	5.5		17	75	8

Compartment		**Production Area**	**Sivicultural Measures (in ha)**				**Sivicultural Measures (in % of area)**			
		(ha)	**Planting**	**Thinning**	**Felling**		**Planting**	**Thinning**	**Felling**	
1	Phedey	308.3		140.0	122.0	27.0		40	9	
2	Tirkhola	386.9		207.5	113.4	44.6		29	12	
3	Jangchubling	533.2	10.7	159.0	192.3	138.5	30	36	26	6
4	Gelethang	248	31.0	24.2	142.6	48.8	10	58	20	4
5	Sherubling	1136.9	89.1	242.7	728.3	73.5	21	64	6	2
Total per Gewog		**2613.3**	**130.7**	**773.4**	**1298.7**	**332.5**	**5**	**30**	**50**	**13**

NWFP Occurrence in Forest Management Area of:
Chudzom

Comp No.	Sub-Compartment No.	Name	Prod. Area	Firewood				Bamboo				Cane				Daphne			
				Abundant		Sparse		Abundant		Sparse		Abundant		Sparse		Abundant		Sparse	
			ha	ha	%	ha	%	ha	%	ha	%	ha	%	ha	%	ha	%	ha	%
3	3(a)	Jangchubling west	81.25			6.5	8												
3	3(b)	Moukhola North	31.5			18.9	60												
3	3(c)	Moukhola west !	50			50.0	100												
3	3(d)	Moukhola	14.3			7.2	50												
3	3(e)	Mou Tsangchu west	7.1			7.1	100												
3	3(f)	Mou Tsangchu North	43.25	6.1	14														
3	3G)	Gelethang top	100			38.0	38												
3	3(h)	Ramathi south	125			12.5	10												
3	3(i)	Noonpani west	68.8			5.5	8												
3	3 (J)	Jangchubling south	12			7.2	60												
2	2(A)	Tirkhola	36.2			4.0	11												
2	2(B)	Bechkhola	75			37.5	50												
2	2(C)	Bechkhola	110.3			104.8	95												
2	2(D)	Tirkhola	61.6	4.3	7	24.6	40												
2	2(E)	Bechkhola	78.8			68.6	87												
2	2(F)	Bechkhola	25			8.3	33												
1	1(A)	Phedey	76.6	4.6	6	48.3	63			23.7	31							29.1	38
1	1(B)	Phedey	54.2	4.3	8	41.7	77			20.	38							24.9	46

										6									
1	1(C)	Phedey	50			25.0	50												
1	1(D)	Phedey	92.9			15.8	17												
1	1(E)	Phedey	34.6			4.5	13												
4	4(A)	Gungring(Gelethang)	70.4			21.8	31												
4	4(B)	Gungring(Gelethang)	33.8			7.4	22												
4	4(C)	Bechkhola	25			8.3	33												
4	4(D)	Gelethang	25			18.8	75												
4	4{E}	Gelethang	43.8			32.9	75												
4	4(F)	Gelethang	50			19.0	38												
5	5(A)	Patibara	76.6			65.9	86												
5	5(B)	Sherubling	25.9			8.5	33												
5	5(C)	Sherubling	56.3			31.5	56												
5	5(D)	Sherubling	87.9			41.3	47												
5	5(E)	Noonpani	113.6			39.8	35												
5	5(F)	Noonpani	90.3	9.9	11	37.9	42												
5	5(J)	Norbugang	31.6			10.4	33												
5	5(K)	Sherubling	25	6.3	25	12.5	50												
5	5(M)	Sherubling	43.8																
5	5(N)	Mongarling A	81			54.3	67												
5	5(O)	Mongarling B	63.9			42.8	67												
5	5 (P)	Mongarling C	50.6			39.5	78												
5	5 (G)	Thongjabee area	108.7			27.2	25												
5	5 (H)	Thongjabee area	62.5	6.3	10	18.8	30												
5	5 (I)	Chunithang	150	37.5	25	19.5	13												
5	5 (L)	Sherubling	69.2	11.8	17	29.1	42												

Compartment		Prod. Area	Firewood				Bamboo				Cane				Daphne			
			Abundant		Sparse		Abundant		Sparse		Abundant		Sparse		Abundant		Sparse	
		ha	ha	%	ha	%	ha	%	ha	%	ha	%	ha	%	ha	%	ha	%
1	Phedey	308.3	8.9	3	135.3	44			44.3	14							54.0	18
2	Tirkhola	386.9	4.3	1	247.7	64												
3	Jangchubling	533.2	6.1	1	152.9	29												
4	Gelethang	248.0			108.1	44												
5	Sherubling	1136.9	71.7	6	478.9	42												
Total per Gewog		**2613.3**	**91.0**	**3**	**1122.9**	**43**			**44.3**	**2**							**54.0**	**2**

Current Side Uses within Forest Management Area: Chudzom

Comp No.	Sub-Compartment No.	Name	Prod. Area	Grazing				Sokshing				Lopping			
				Intensive		Extensive		Intensive		Extensive		Intensive		Extensive	
			ha	ha	%	ha	%	ha	%	(ha)	(%)	ha	%	ha	%
3	3(a)	Jangchubling west	81.3	6.3	8										
3	3(b)	Moukhola North	31.5	31.5	100										
3	3(c)	Moukhola west !	50.0	25.0	50										
3	3(d)	Moukhola	14.3			3.6	25							7.	50

														2	
3	3(e)	Mou Tsangchu west	7.1			1.8	25							3.6	50
3	3(f)	Mou Tsangchu North	43.3	6.1	14	24.7	57								
3	3G)	Gelethang top	100.0			6.3	6								
3	3(h)	Ramathi south	125.0			6.3	5					12.5	10	18.8	15
3	3(i)	Noonpani west	68.8	5.3	8										
3	3 (J)	Jangchubling south	12.0			2.4	20								
2	2(A)	Tirkhola	36.2			16.1	44								
2	2(B)	Bechkhola	75.0			18.8	25							12.5	17
2	2(C)	Bechkhola	110.3	26.5	24	10.2	9								
2	2(D)	Tirkhola	61.6	8.0	13	12.3	20							12.3	20
2	2(E)	Bechkhola	78.8	37.0	47	21.0	27								
2	2(F)	Bechkhola	25.0	4.3	17									4.2	17
1	1(A)	Phedey	76.6			4.8	6	6.1	8					9.6	13
1	1(B)	Phedey	54.2			4.2	8							8.3	15
1	1(C)	Phedey	50.0			12.5	25							8.3	17
1	1(D)	Phedey	92.9			10.3	11							10.3	11
1	1(E)	Phedey	34.6			17.3	50								
4	4(A)	Gungring(Geletha ng)	70.4											5.4	8
4	4(B)	Gungring(Geletha ng)	33.8			7.5	22							3.8	11
4	4(C)	Bechkhola	25.0	4.3	17	8.3	33							4.2	17
4	4(D)	Gelethang	25.0	18.8	75									6.3	25
4	4{E}	Gelethang	43.8	12.7	29									6.2	14
4	4(F)	Gelethang	50.0	19.0	38									6.3	13
5	5(A)	Patibara	76.6	10.7	14	21.9	29								
5	5(B)	Sherubling	25.9	8.5	33	8.5	33								
5	5(C)	Sherubling	56.3	24.8	44										
5	5(D)	Sherubling	87.9	29.0	33										
5	5(E)	Noonpani	113.6			17.0	15								
5	5(F)	Noonpani	90.3			19.0	21							19.0	21

5	5(J)	Norbugang	31.6			7.0	22								
5	5(K)	Sherubling	25.0			12.5	50								
5	5(M)	Sherubling	43.8												
5	5(N)	Mongarling A	81.0			18.0	22								
5	5(O)	Mongarling B	63.9			29.8	47								
5	5 (P)	Mongarling C	50.6			5.6	11								
5	5 (G)	Thongjabee area	108.7	27.2	25	21.7	20								
5	5 (H)	Thongjabee area	62.5	12.5	20	12.5	20								
5	5 (I)	Chunithang	150.0	19.5	13	31.2	21								
5	5 (L)	Sherubling	69.2	17.3	25	11.5	17								

Compartment		Prod. Area	Grazing				Sokshing				Lopping			
			Intensive		Extensive		Intensive		Extensive		Intensive		Extensive	
		(ha)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)
1	Phedey	308.3			49.1	16	6.1	2					36.6	12
2	Tirkhola	386.9	75.8	20	78.4	20							29.0	7
3	Jangchubling	533.2	74.1	14	45.0	8					12.5	2	29.5	6
4	Gelethang	248.0	54.7	22	15.8	6							32.1	13
5	Sherubling	1136.9	149.5	13	216.3	19							19.0	2
Total per Gewog		**2613.3**	**354.1**	**14**	**404.6**	**15**	**6.1**	**0**			**12.5**	**0**	**146.1**	**6**

Calculation of AAC:

1. The average rotation period is calculated by multiplication of the proportion

forest type * rotation period of forest type
2. The sustainable AAC is determined by dividing the total standing stock by the average rotation period
3. The silvicultural AAC is determined by dividing the production period by the planning period of 10 years

4. The AAC is fixed at the sustainable AAC or silvicultural AAC, whichever is lower!

Unit	Forest Type Distribution								
	Hemlock	Fir	Spruce	Mix. Con.	Bluepine	Chir pine	Hard wood	Mixed HC	Total
Proportion	0%	0%	0%	0%	0%	0%	100%	0%	100%
Rotation period	130	140	130	120	90	90	130	120	130

AACsust. = standing volume/rotation period	**1968**	m3
	0.8	m3/ha
AACsilv. = prod. Potential/10 years	**7705**	m3
	3	m3/ha
AACfixed	**1968**	m3
	0.8	m3/ha

Prod. Potential/AAC =	**39**	years

Explanations of abbreviations used in the compartment records

All information and data indicated in the sub-compartment record are related to the operable production area only.

A	abundant occurrence of NWFP
Bas. Area (m^2/ha)	basal area per ha of the sub-compartment
DT	Dzongkhag Tshogdu
Dbh	diameter breast height
E	extensive forest use
Height 0,3<1.3m	number of trees of this height class
I	intensive forest use
m^3	total standing volume in m^3
N/ha	number of trees per ha
N/total	total number of trees of the sub-compartment
S	sparse occurrence of NWFP
Volume (m^3/ha)	standing volume per ha of the sub-compartment
Volume conifer %	percentage of conifers in relation to the standing volume

Annex 2
Compartment Register

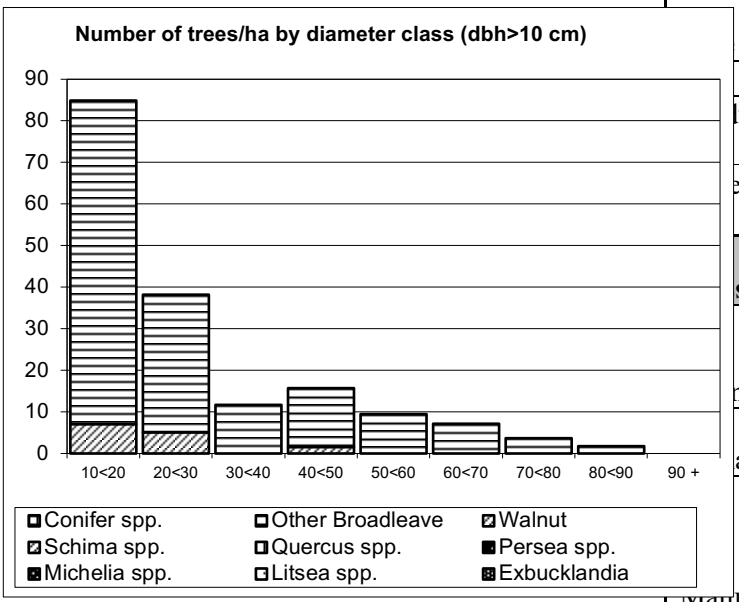
Sub-Compartment Record							
Geog	Chudzom	Block	Torkey	Block No	1	Comp.No	1(A)

Areas in ha							
Non Production	31.3	Protection		In-accessible	23.8	Production	76.2

Forest Composition and Description

The stand type is even aged which dominated by Alnus, Schima and Quercus spp. 5 plots are in-operable because fall inside cardamom orchard and open area. Wild life present there are wild pig, Barking deer, Sambar and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	14.3
Tot. Vol. (m3/ha)	108.3
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+ firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood	6	63
Spruce		Coppice		Bamboo		31
Mixed Conifer		**Canopy**	**%**	Cane		
Pine		Dense	13	Daphne		38
Pine		Closed	81			
lwoo	100	Open	6			
ed		Unstocked		**Forest Use**	**I**	**E**
s	**%**	**Condition**	**%**	Type	%	%
ng		Good	19	Grazing		6.25
ature	100	Average	69	Shokshing		
Mature		Poor	13	Lopping		12.50
Overmature		**Site Characteristics**				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	

Gentle	19	Stable	25	High	25
Moderate	81	Moderate	75	Moderate	75
Steep		Unstable		Low	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10 <20	20 <30	30 <40	40<50	50< 60	60 <70	70 <80	80 <90	90 +	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.													
Schima spp.	44	66	7	5		2						**14**	8
Walnut													
Other Broadleave	575	464	78	33	12	14	9	7	4	2		**159**	92
Conifer spp.													
Total	**619**	**531**	**85**	**38**	**12**	**16**	**9**	**7**	**4**	**2**		**173**	100

Future Management & Monitoring of Activities

The felling for fire woods can be done in this sub-compartment since it is dominated by Altingia and Alnus species only. Matured Alnus can be removed for timber use.

Production Potential (N, Volume)						No of trees removed each year										Total	%
	Product size	N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	331	4	79	1427												
	Firewood	757	10		1819												
30-49	Cham			21													
	Firewood	719	9		882												
20-29	Tsim																
	Firewood																
10 -	Poles,																

etc.																
Firewood																

Silvicultural Measures			Area in ha implemented per year										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	82.0	48												
Felling (firewood)	82.0	48												
Felling (timber)														
No activity	8.2	5												
Assessment carried out by	T.Jamtsho										**Year:**	2020		

Annex 2
Compartment Register

Sub-Compartment Record							
Geog	Chudzom	Block	Torkey	Block No	1	Comp.No	1(B)

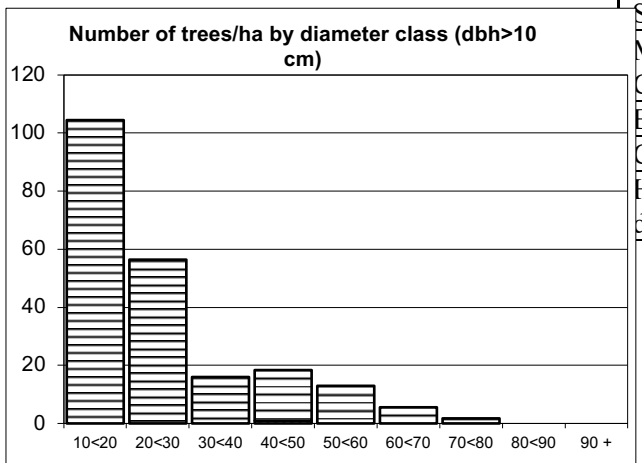
Areas in ha							
Non Production	31.3	Protection		In-accessible	20.8	Production	54.2

Forest Composition and Description

. The stand type is even aged which dominated by Alnus, Schima and Quercus spp. 4 plots are in-operable because fall inside cardamom orchard. Wild life present there are wild pig, Barking deer, Sambar and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	14.8
Tot. Vol. (m3/ha)	104.9
Vconifer %	

Forest Type	%	Stand Type	%	NWFP +firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood	8	77
Spruce		Coppice		Bamboo		38
Mixed Conifer		**Canopy**	**%**	Cane		
Blue Pine		Dense	8	Daphne		46
Chir Pine		Closed	85			
Hardwood	100	Open	8			



Mixed H/C		Unstocked		**Forest Use**	**I**	**E**
Age Class	**%**	**Condition**	**%**	Type	%	%
Young		Good	8	Grazing		7.69
Immature	100	Average	85	Shokshing		
Mature		Poor	8	Lopping		15.38
Overmature		**Site Characteristics**				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	15	Stable	8	High	8	
Moderate	85	Moderate	77	Moderate	85	
Steep		Unstable	15	Low	8	

Species	**Height 0.3<1.3 m**	**N/ha per diameter class**										**Total (> 10cm)**	
		<10	**10<20**	**20<30**	**30<40**	**40<50**	**50<60**	**60<70**	**70<80**	**80<90**	**90+**	**N/ha**	**%**
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.													
Schima spp.						1						**1**	0
Walnut													
Other Broadleave	435	517	104	56	16	17	13	6	2			**215**	100
Conifer spp.													
Total	**435**	**517**	**104**	**56**	**16**	**18**	**13**	**6**	**2**			**216**	100

Future Management & Monitoring of Activities

The felling for fire woods can be done in this sub-compartment since it is dominated by Altingia and Alnus species only. Matured Alnus can be removed for timber use.

Production Potential (N, Volume)						No of trees removed each year										Total	%
Product size		N total	N / ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	434	8	58	1088												
	Firewood																
30-49	Cham	576	11	42	711												
	Firewood	52	1		61												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			Area in ha implemented per year										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	81.7	48												
Felling (firewood)														
Felling (timber)	81.7	48												
No activity	8.2	5												

Assessment carried out by	T.Jamtsho	Year :	2020

Annex 2

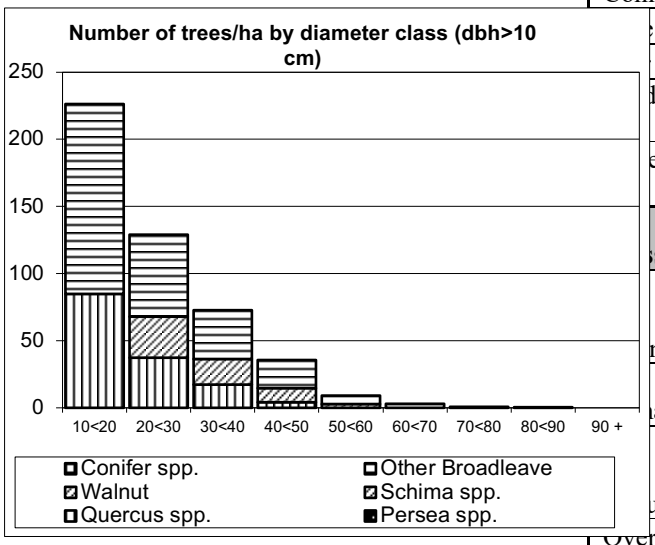
Compartment Register

Sub-Compartment Record							
Geog	Chudzom	Block	Torkay	Block No	1	Comp.No	1(C)

Areas in ha							
Non Production	25.0	Protection		In-accessible	25.0	Production	50.0

Forest Composition and Description	Stand data	
The stand type is even aged which dominated by Alnus, Schima and Quercus spp. 4 plots are in-operable because fall inside cardamom orchard. Wild life present there are wild pig, Barking deer, and Rhesus Macaque.	Bas. Area (m2/ha)	26.7
	Tot. Vol. (m3/ha)	182.6

		Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		50
Spruce		Coppice		Bamboo		
Mixed Conifer		**Canopy**	**%**	Cane		
Pine		Dense		Daphne		
Pine		Closed	75			
dwoo	100	Open	17			
ed		Unstocked	8	**Forest Use**	**I**	**E**
s	**%**	**Condition**	**%**	Type	%	%
ng	8	Good	42	Grazing		25.00
ature	33	Average	42	Shokshing		
ure	58	Poor	17	Lopping		16.67
Overmature		**Site Characteristics**				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle		Stable	50	High	33	
Moderate	83	Moderate	42	Moderate	58	
Steep	17	Unstable	8	Low	8	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90 +	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.	589	589	85	37	17	4						**144**	30
Schima spp.	147	88		31	19	10	3					**63**	13
Walnut													
Other Broadleave	707	707	141	61	36	21	6	3	1	0		**270**	57
Conifer spp.													

Total		1444	1385	226	129	73	36	9	3	1	0		477	100

Future Management & Monitoring of Activities

The felling for fire wood and fencing posts can be done in this sub-compartment since it is dominated by Quercus and Alnus species only. Matured Alnus can be removed for timber use.

Production Potential (N, Volume)						No of trees removed each year										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	50	1	34	152												
	Firewood	174	3		442												
30-49	Cham	365	7	58	303												
	Firewood	747	15		700												
20-29	Tsim			6													
	Firewood	340	7		102												
10-19	Poles, etc.			2													
	Firewood	472	9		33												

Silvicultural Measures			Area in ha implemented per year										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	25.0	43												
Felling (firewood)	16.7	29												
Felling (timber)	8.3	14												
No activity	8.3	14												

Assessment carried out by	Lungten Dorji	Year:	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Phedey	Block No	1	Comp.No	1(D)

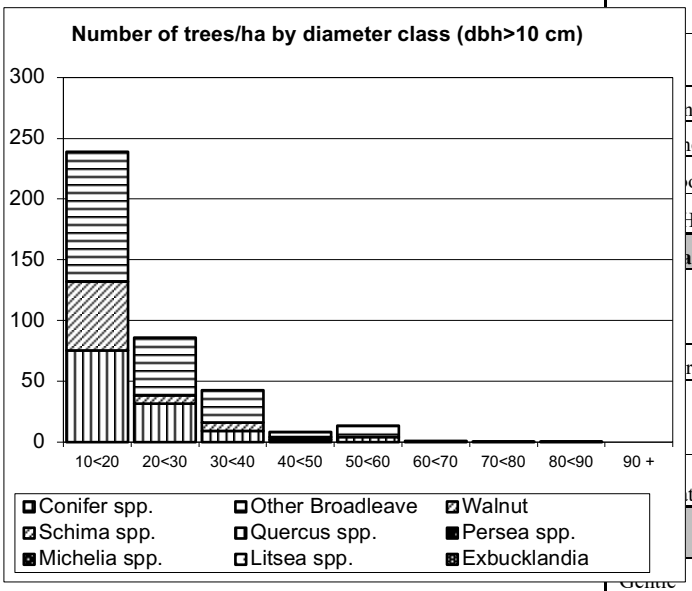
Areas in ha

Non Production	31.3	Protection		In-accessible	25.8	Production	92.9

Forest Composition and Description

The stand type is even aged which dominated by Alnus, Schima and Quercus spp. 5 plots are in-operable because fall inside cardamom orchard. Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	17.8
Tot. Vol. (m3/ha)	118.7
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	67	Firewood		17
		Coppice		Bamboo		
		Canopy	**%**	Cane		
		Dense		Daphne		
		Closed	50			
	100	Open	50			
		Unstocked		**Forest Use**	**I**	**E**
	%	**Condition**	**%**	Type	%	%
	33	Good	6	Grazing		11.11
	67	Average	78	Shokshing		
		Poor	22	Lopping		11.11
		Site Characteristics				
	%	**Erosivenes s**	**%**	**Soil Cover**	**%**	
	11	Stable	17	High		
Moderate	83	Moderate	83	Moderate	100	
Steep	6	Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													

Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.	393	393	75	32	9	2	4					**123**	31
Schima spp.	59	98	57	7	7	2						**72**	19
Walnut													
Other Broadleave	629	629	107	48	27	4	9	1	1	0		**196**	50
Conifer spp.													
Total	**1081**	**1120**	**239**	**86**	**43**	**8**	**14**	**1**	**1**	**0**		**391**	100

Future Management & Monitoring of Activities

The felling for few drashings, Chams and fencing posts can be done in this sub-compartment since it is dominated by Quercus and other broad leaves.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	47	1	43	186												
	Firewood	136	1		405												
30-49	Cham	494	5	53	370												
	Firewood	452	5		371												
20-29	Tsim	210	2	4	57												
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	33.3	44												
Felling (firewood)	25.0	33												
Felling (timber)	8.3	11												
No activity	8.3	11												

Assessment carried out by	Lungten Dorji	**Year:**	2020

Annex 2
Compartment Register

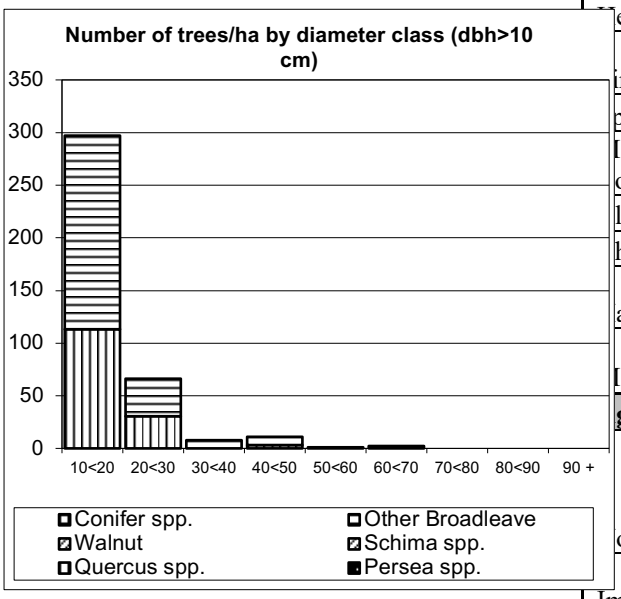
Sub-Compartment Record							
Geog	Chudzom	Block	Phedey	Block No	1	Comp.No	1(E)

Areas in ha							
Non Production	31.3	Protection		In-accessible	21.6	Production	34.6

Forest Composition and Description

The stand type is even aged which dominated by Alnus, Schima and Quercus spp. 4 plots are in-operable because fall inside cardamom orchard. Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	12.0
Tot. Vol. (m3/ha)	70.1
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+ firew.	A	S
emlock		Plantation		Type	%	%
ir		Natural	100	Firewood		13
pruce		Coppice		Bamboo		
lixed onifer		**Canopy**	**%**	Cane		
lue Pine		Dense		Daphne		
hir Pine		Closed	50			
ardwood	100	Open	50			
lixed H/C		Unstocked		**Forest Use**	**I**	**E**
ge Class	**%**	**Condition**	**%**	Type	%	%
oung	50	Good		Grazing		50.00
Immature	50	Average	63	Shokshing		
Mature		Poor	38	Lopping		
Overmature		**Site Characteristics**				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	38	Stable	50	High	13	
Moderate	63	Moderate	50	Moderate	88	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia													

spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.	309	442	113	31		3						**147**	38
Schima spp.													
Walnut													
Other Broadleave	840	973	184	36	8	8	1	2				**239**	62
Conifer spp.													
Total	**1149**	**1415**	**297**	**66**	**8**	**11**	**1**	**2**				**385**	100

Future Management & Monitoring of Activities

The felling for fire wood, few drashing and chams can be done in this sub-compartment since it is dominated by Quercus and Alnus species only. Matured Alnus can be removed for timber use.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	m3	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	26	1	53	78												
	Firewood	36	1		72												
30-49	Cham	109	3	47	134												
	Firewood																
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														

Thinning	32.8	43												
Felling (firewood)	21.9	29												
Felling (timber)	10.9	14												
No activity	10.9	14												
Assessment carried out by	Lungten Dorji										**Year:**	2020		

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Tirkhola	Block No	2	Comp.No	2(A)

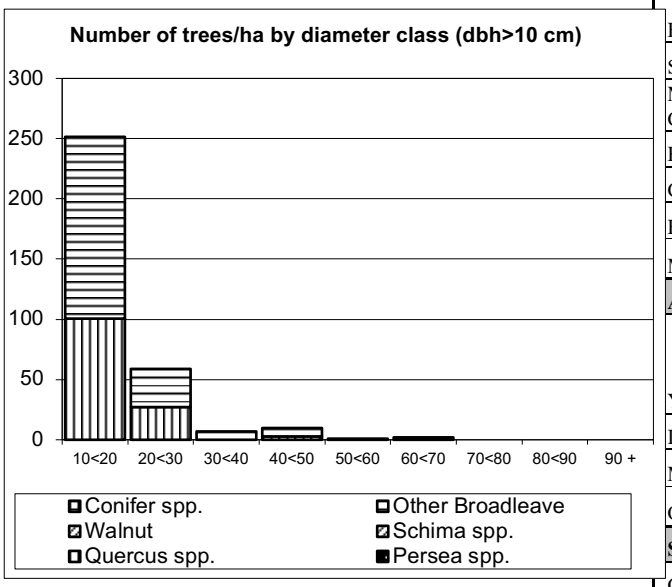
Areas in ha

Non Production	31.3	Protection		In-accessible	20.1	Production	36.2

Forest Composition and Description

The stand type is even aged which dominated by Alnus, Schima and Quercus spp. 5 plots are in-operable because fall inside cardamom orchard. Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	10.4
Tot. Vol. (m3/ha)	61.4
Vconifer %	



Forest Type	**%**	**Stand Type**	**%**	**NWFP+firew.**	**A**	**S**
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		11
Spruce		Coppice		Bamboo		
Mixed Conifer		**Canopy**	**%**	Cane		
Blue Pine		Dense		Daphne		
Chir Pine		Closed	44			
Hardwood	100	Open	56			
Mixed H/C		Unstocked		**Forest Use**	**I**	**E**
Age Class	**%**	**Condition**	**%**	Type	%	%
Young	44	Good		Grazing		44.44
Immature	56	Average	67	Shokshing		
Mature		Poor	33	Lopping		
Overmature		**Site Characteristics**				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	33	Stable	44	High	11	
Moderate	67	Moderate	56	Moderate	89	
Steep		Unstable		Low		

Species	**Height 0.3<1.3 m**	**N/ha per diameter class**										**Total (> 10cm)**	
		<10	**10<2**	**20<**	**30**	**40**	**50<**	**60<**	**70<**	**80<**	**90**	**N/ha**	**%**

			0	30	<40	<50	60	70	80	90	+		
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.	275	393	101	27		3						**131**	40
Schima spp.													
Walnut													
Other Broadleave	747	865	151	32	7	7	1	2				**199**	60
Conifer spp.													
Total	**1022**	**1258**	**252**	**59**	**7**	**10**	**1**	**2**				**330**	100

Future Management & Monitoring of Activities

The felling for fire wood and fencing posts can be done in this sub-compartment since it is dominated by Quercus and Alnus species only. Matured Alnus can be removed for timber use.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	24	1	53	73												
	Firewood	34	1		67												
30-49	Cham	101	3	47	125												
	Firewood																
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning														
Felling (firewood)	19.4	50												
Felling (timber)	9.7	25												
No activity	9.7	25												

Assessment carried out by	Chophel	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Bechkhola	Block No	2	Comp.No	2(B)

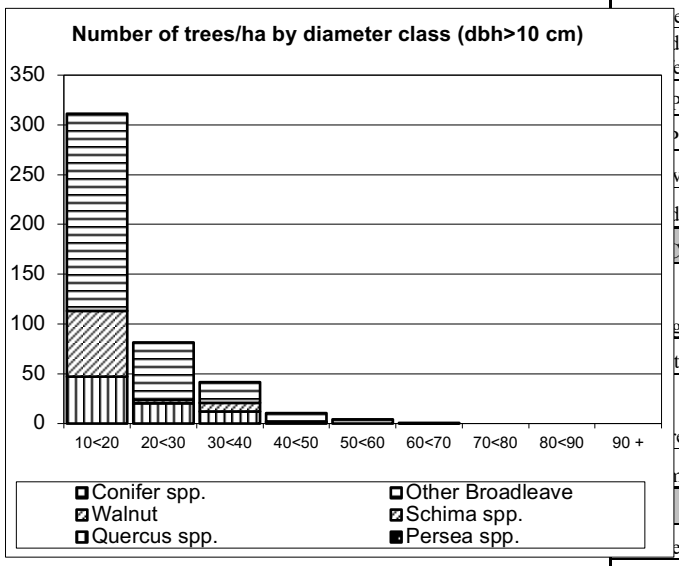
Areas in ha

Non Production	25.0	Protection		In-accessible	18.8	Production	56.3

Forest Composition and Description

The stand type is even aged which dominated by Alnus, Schima and Quercus spp. 4 plots are in-operable because fall inside cardamom orchard. Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	16.3
Tot. Vol. (m3/ha)	98.8
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		50
e		Coppice		Bamboo		
l er		**Canopy**	**%**	Cane		
Pine		Dense		Daphne		
Pine		Closed	75			
vood	100	Open	17			
l H/C		Unstocked	8	**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g	8	Good	42	Grazing		25.00
ture	17	Average	42	Shokshing		
e	58	Poor	17	Lopping		16.67
nature		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
e		Stable	50	High	33	
Moderate	83	Moderate	33	Moderate	58	
Steep	17	Unstable	8	Low	8	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90 +	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													

Michelia spp.	29												
Persea spp.													
Quercus spp.	678	118	47	20	12	1						**81**	18
Schima spp.	88	118	66	3	9	1						**79**	18
Walnut													
Other Broadleave	678	884	198	58	21	8	4	1				**290**	64
Conifer spp.													
Total	**1474**	**1120**	**311**	**81**	**42**	**10**	**4**	**1**				**449**	100

Future Management & Monitoring of Activities

The felling for fire wood and fencing posts can be done in this sub-compartment since it is dominated by Quercus and Alnus species only. Matured Alnus can be removed for timber use.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	39	1	20	78												
	Firewood	79	1		155												
30-49	Cham	351	6	60	268												
	Firewood	508	9		413												
20-29	Tsim			10													
	Firewood	382	7		115												
10-19	Poles, etc.	1592	28	10	112												
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	25.0	43												
Felling (firewood)	16.7	29												
Felling (timber)	8.3	14												
No activity	8.3	14												

Assessment carried out by	Chophel	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Bechkhola	Block No	2	Comp.No	2(C)

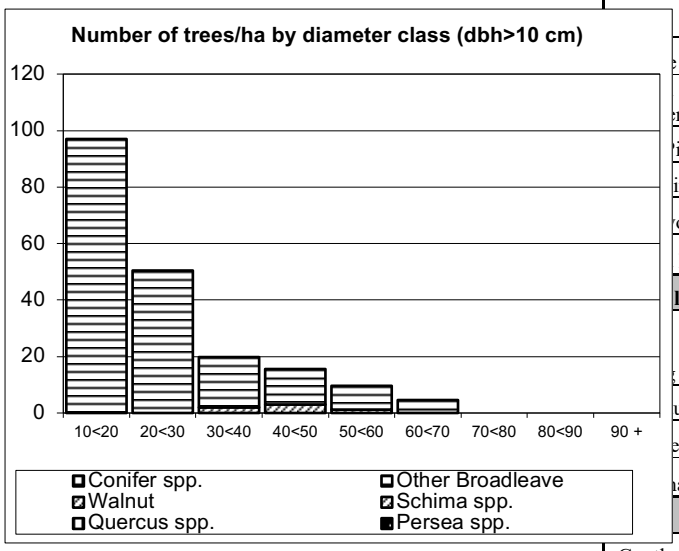
Areas in ha

Non Production	25.0	Protection		In-accessible	21.0	Production	110.3

Forest Composition and Description

The stand type is even aged which dominated by Alnus, Schima and Quercus spp. 4 plots are in-operable because fall inside cardamom orchard. Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	12.4
Tot. Vol. (m3/ha)	85.6
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood		95
		Coppice		Bamboo		
		Canopy	**%**	Cane		
		Dense		Daphne		
		Closed	90			
ood	100	Open	10			
H/C		Unstocked		**Forest Use**	**I**	**E**
lass	**%**	**Condition**	**%**	Type	%	%
		Good		Grazing	24	9.52
ure	100	Average	95	Shokshing		
		Poor	5	Lopping		
ature		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	10	Stable	29	High	24	
Moderate	90	Moderate	71	Moderate	71	
Steep		Unstable		Low	5	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbuckland ia													
Litsea spp.													
Michelia													

spp.													
Persea spp.													
Quercus spp.													
Schima spp.	51	67			2	3	1					**6**	3
Walnut													
Other Broadleave	404	438	97	50	18	13	8	5				**191**	97
Conifer spp.													
Total	**455**	**505**	**97**	**50**	**20**	**16**	**10**	**5**				**197**	100

Future Management & Monitoring of Activities

The felling for few drashing and fire wood can be done in this sub-compartment since it is dominated by Alnus and other broad leaf species only. Few matured Alnus can be removed for timber use.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N / ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	518	5	70	1315												
	Firewood	644	6		1434												
30-49	Cham			28													
	Firewood	967	9		1118												
20-29	Tsim			1													
	Firewood	214	2		58												
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	126.5	57												
Felling (firewood)	89.3	40												
Felling (timber)														
No activity	7.4	3												

Assessment carried out by	T, Wangchuk	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Tirkhola	Block No	2	Comp.No	2(D)

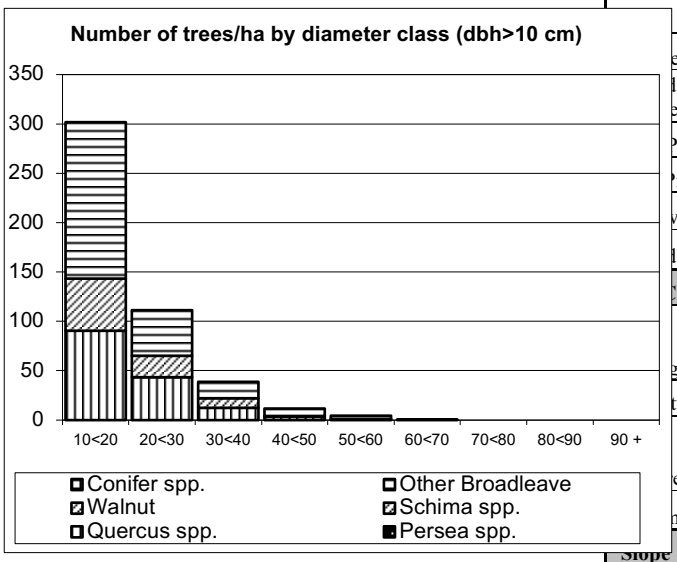
Areas in ha

Non Production	50.0	Protection		In-accessible	32.6	Production	61.1

Forest Composition and Description

The stand type is even aged which dominated by Alnus, Schima and Quercus spp. 8 plots are in-operable because fall inside cardamom orchard. Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	17.6
Tot. Vol. (m3/ha)	109.6
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood	7	40
		Coppice		Bamboo		
		Canopy	**%**	Cane		
		Dense	7	Daphne		
		Closed	73			
	100	Open	13			
		Unstocked	7	**Forest Use**	**I**	**E**
	%	**Condition**	**%**	Type	%	%
	7	Good	33	Grazing	13	20.00
	80	Average	67	Shokshing		
	13	Poor		Lopping		20.00
		Site Characteristics				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	33	Stable	27	High	27	
Moderate	67	Moderate	73	Moderate	67	
Steep		Unstable	7	Low	7	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													

Michelia spp.	24						1					**1**	0
Persea spp.													
Quercus spp.	566	707	91	43	12	3						**150**	32
Schima spp.	165	189	53	22	10	1	1					**86**	18
Walnut													
Other Broadleave	542	707	158	46	17	8	3	0				**233**	50
Conifer spp.													
Total	**1297**	**1603**	**302**	**111**	**39**	**12**	**4**	**0**				**469**	100

Future Management & Monitoring of Activities

The felling for fire wood and fencing posts can be done in this sub-compartment since it is dominated by Quercus and Alnus species only. Matured Alnus can be removed for timber use.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	34	1	17	68												
	Firewood	69	1		135												
30-49	Cham	305	5	62	233												
	Firewood	544	9		498												
20-29	Tsim			13													
	Firewood	498	8		155												
10-19	Poles, etc.	1384	23	8	97												
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	38.3	50												
Felling (firewood)	19.2	25												
Felling (timber)	9.6	13												
No activity	9.6	13												

Assessment carried out by	Chophel and team	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Bechkhola	Block No	2	Comp.No	2(E)

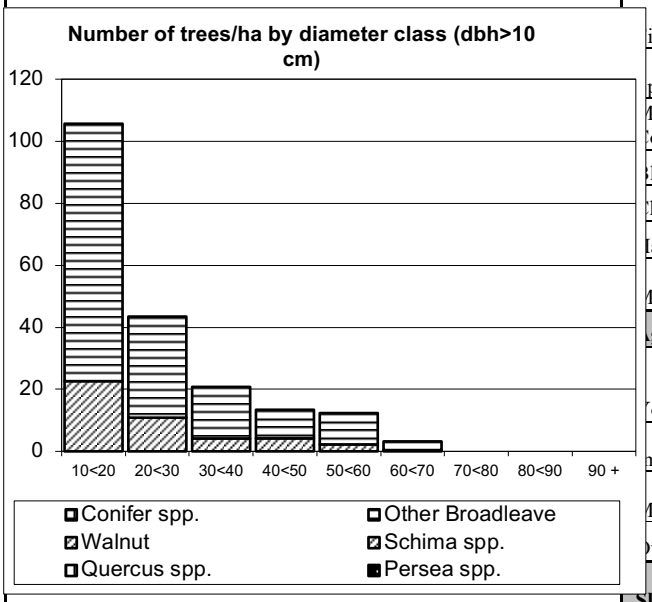
Areas in ha

Non Production	37.5	Protection		In-accessible	26.8	Production	67.0

Forest Composition and Description

The stand type is even aged which dominated by Alnus, Schima and Quercus spp. The plots no. 5,8 and 11 is open area and 10,16 and 19 fall inside private land. Wild life present there are wild pig, Barking deer, Sambar and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	12.1
Tot. Vol. (m3/ha)	84.5
Vconifer %	



Forest Type	%	Stand Type	%	NWFP +firew.	A	S
Hemlock		Plantation		Type	%	%
ir		Natural	100	Firewood		87
pruce		Coppice		Bamboo		
Mixed onifer		**Canopy**	**%**	Cane		
lue Pine		Dense		Daphne		
hir Pine		Closed	80			
lardwood	100	Open	20			
Mixed H/C		Unstocked		**Forest Use**	**I**	**E**
ge Class	**%**	**Condition**	**%**	Type	%	%
oung		Good		Grazing	47	26.67
mmature	100	Average	87	Shoksh ing		
Mature		Poor	13	Lopping		
vermature		**Site Characteristics**				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	7	Stable	33	High	20	
Moderate	93	Moderate	67	Moderate	73	
Steep		Unstable		Low	7	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													

Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.													
Schima spp.	71	118	23	11	4	4	2	0				**44**	22
Walnut													
Other Broadleave	401	424	83	33	17	9	10	3				**154**	78
Conifer spp.													
Total	**472**	**542**	**106**	**43**	**21**	**13**	**12**	**3**				**199**	100

Future Management & Monitoring of Activities

The felling for matured drashing and fire wood can be done in this sub-compartment since it is dominated by Quercus and Alnus species only. Few matured Alnus can be removed for timber use.

Production Potential (N, Volume)						**No of trees removed each year**										T ot al	%
Product size		N total	N/ ha	%	(m3)	202 0	202 1	20 22	20 23	202 4	202 5	202 6	202 7	20 28	2029		
>50	Drashin g	150	2	8 5	331												
	Firewoo d	333	5		768												
30-49	Cham			1 5													
	Firewoo d	168	3		198												
20-29	Tsim																
	Firewoo d																
10-19	Poles, etc.																
	Firewoo d																

Silvicultural Measures			**Area in ha implemented per year**										T ot al	%
Measure	Area (ha)	in %	202 0	202 1	20 22	20 23	202 4	202 5	202 6	202 7	20 28	2029		
Planting														
Thinning	113.8	93												
Felling (firewood)														
Felling (timber)														
No activity	8.8	7												

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Bechkhola	Block No	2	Comp.No	2(F)

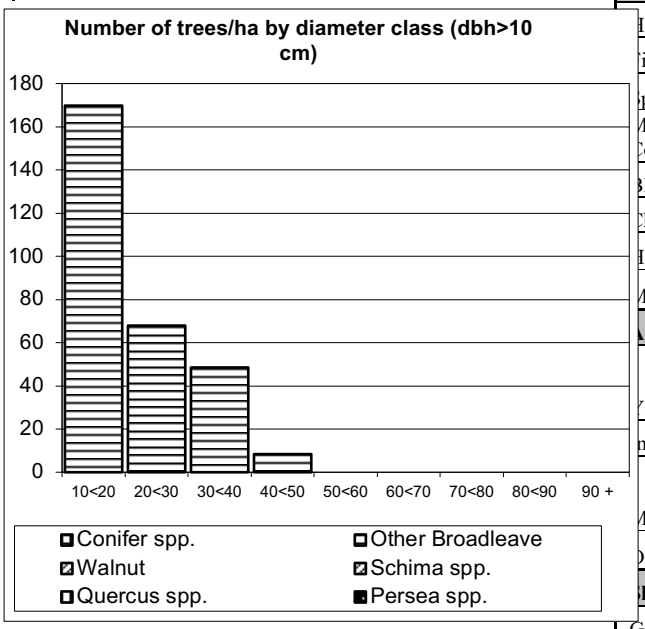
Areas in ha

Non Production	18.8	Protection		In-accessible	12.5	Production	25.0

Forest Composition and Description

The stand type is even aged which dominated by Alnus and Quercus spp. 3 plots are in-operable because fall inside cardamom orchard. Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	12.3
Tot. Vol. (m3/ha)	72.4
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		33
Spruce		Coppice		Bamboo		
Mixed Conifer		**Canopy**	**%**	Cane		
Blue Pine		Dense		Daphne		
Chir Pine		Closed	83			
Hardwood	100	Open	17			
Mixed H/C		Unstocked		**Forest Use**	**I**	**E**
Age Class	**%**	**Condition**	**%**	Type	%	%
Young		Good	17	Grazing	17	33.33
Immature	100	Average	83	Shokshing		
Mature		Poor		Lopping		16.67
Overmature		**Site Characteristics**				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	33	Stable	33	High	17	
Moderate	67	Moderate	67	Moderate	83	
Steep		Unstable		Low	17	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													

Michelia spp.													
Persea spp.													
Quercus spp.													
Schima spp.													
Walnut													
Other Broadleave	648	472	170	68	49	8						**295**	100
Conifer spp.													
Total	**648**	**472**	**170**	**68**	**49**	**8**						**295**	100

Future Management & Monitoring of Activities

The felling for cham chamsize timber and fire wood can be done in this sub-compartment since it is dominated by Almus species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing																
	Firewood																
30-49	Cham	173	7	100	113												
	Firewood	278	11		242												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning														
Felling (firewood)	9.4	33												
Felling (timber)	9.4	33												
No activity	9.4	33												

Assessment carried out by	Sangay Dorji	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Jangchubling	Block No	3	Comp.No	3(A)

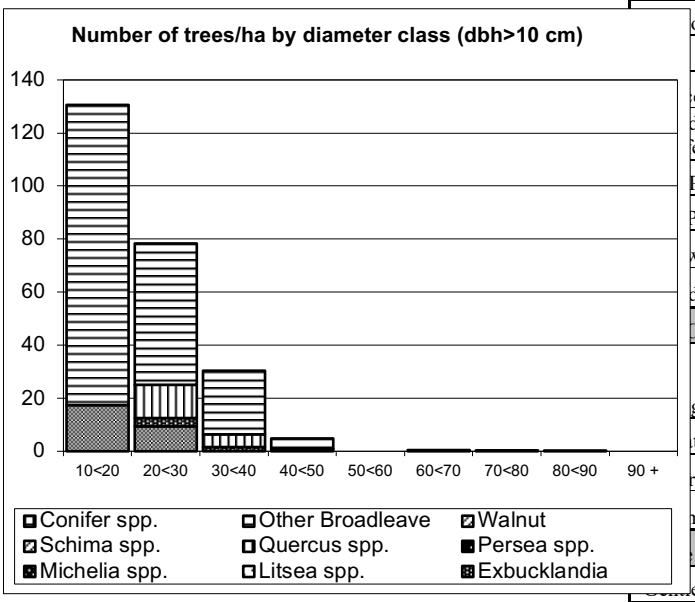
Areas in ha

Non Production		Protection		In-accessible		Production	81.3

Forest Composition and Description

The stand type is even aged which dominated by Alnus and Quercus spp. All plots are operable. Wild life present there are wild pig, Barking deer, Sambar and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	10.3
Tot. Vol. (m3/ha)	61.9
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
ock		Plantation		Type	%	%
		Natural	100	Firewood		8
e		Coppice		Bamboo		
d er		**Canopy**	**%**	Cane		
Pine		Dense		Daphne		
Pine		Closed	46			
wood	100	Open	23			
d H/C		Unstocked	31	**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g	8	Good	8	Grazing	7.7	
ture	85	Average	69	Shokshing		
re	8	Poor	23	Lopping		
nature		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
e	31	Stable	15	High	15	
Moderate	69	Moderate	85	Moderate	77	
Steep		Unstable		Low	8	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.			17	9								**27**	11
Exbucklandia				3	2							**5**	2
Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.	54			13	5	1						**18**	7

Schima spp.		27	82											
Walnut														
Other Broadleave		272	326	113	53	24	4		0	0	0		**195**	80
Conifer spp.														
Total		**354**	**408**	**131**	**78**	**30**	**5**		**0**	**0**	**0**		**245**	100

Future Management & Monitoring of Activities

The felling for fire wood can be done in this sub-compartment since it is dominated by Quercus and Alnus species only. Matured Alnus can be removed for timber use.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	88	1	23	350												
	Firewood																
30-49	Cham			54													
	Firewood	964	12		812												
20-29	Tsim			23													
	Firewood	1273	16		345												
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning														
Felling (firewood)	6.3	50												
Felling (timber)														
No activity	6.3	50												

Assessment carried out by	Sangay Nidup	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Jangchubling	Block No	3	Comp.No	3(B)

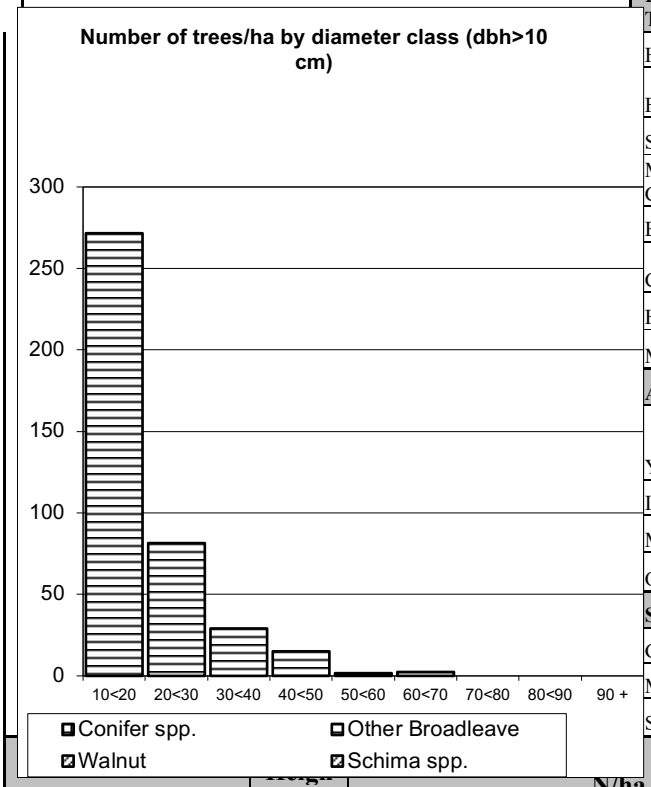
Areas in ha

Non Production		Protection		In-accessible		Production	31.3

Forest Composition and Description

The sub-compartment lies towards north of Chudzom village and the stands are dominated with even aged Albezia species.

Stand data	
Bas. Area (m2/ha)	15.2
Tot. Vol. (m3/ha)	89.4
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		60
Spruce		Coppice		Bamboo		
Mixed Conifer		**Canopy**	**%**	Cane		
Blue Pine		Dense		Daphne		
Chir Pine		Closed	80	Banana	20	40
Hardwood	100	Open	20			
Mixed H/C		Unstocked		**Forest Use**	**I**	**E**
Age Class	**%**	**Condition**	**%**	Type	%	%
Young		Good		Grazing	100	
Immature	100	Average	100	Shokshing		
Mature		Poor		Lopping		
Overmature		**Site Characteristics**				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	100	Stable	100	High	80	
Moderate		Moderate		Moderate	20	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90 +	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													

Michelia spp.													
Persea spp.													
Quercus spp.													
Schima spp.													
Walnut													
Other Broadleave	920	778	272	81	29	15	2	2				**401**	100
Conifer spp.													
Total	**920**	**778**	**272**	**81**	**29**	**15**	**2**	**2**				**401**	100

Future Management & Monitoring of Activities

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N / ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	53	2	22	104												
	Firewood																
30-49	Cham	79	3	57	97												
	Firewood	260	8		170												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.			21													
	Firewood	1415	45		99												

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	6.3	20												
Thinning	12.5	40												
Felling (firewood)	6.3	20												
Felling (timber)														
No activity	6.3	20												

Assessment carried out by	Sangay Nidup	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Jangchubling	Block No	3	Comp.No	3(C)

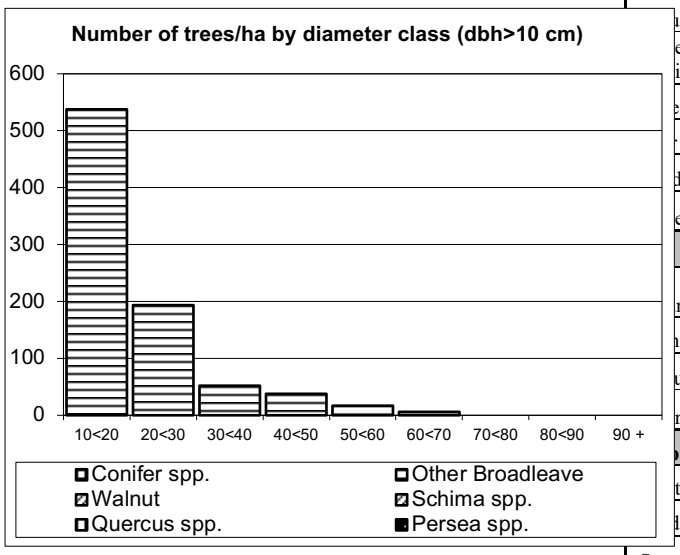
Areas in ha

Non Production	12.5	Protection		In-accessible	37.5	Production	50.0

Forest Composition and Description

The Plot no. 1, and 13 falls inside private land rand rest plots are operable. This sub-compartment towards southern part of Moutsangchu village. The wild life present are wild pig and barking deer.

Stand data	
Bas. Area (m2/ha)	36.0
Tot. Vol. (m3/ha)	222.0
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	350	Firewood		100
uce		Coppice		Bamboo		
ed ifer		**Canopy**	**%**	Cane		
Pine		Dense	25	Daphne		
Pine		Closed	50	Banana		
dwood	100	Open	25			
ed H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
ng		Good	25	Grazing	50	
nature	100	Average	75	Shokshing		
ure		Poor		Lopping		
rmature		**Site Characteristics**				
e	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
tle		Stable	25	High		
derate	100	Moderate	75	Moderate	100	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90 +	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													

Quercus spp.													
Schima spp.	442	442											
Walnut													
Other Broadleave	3095	2829	538	194	52	38	17	6				**844**	100
Conifer spp.													
Total	**3537**	**3272**	**538**	**194**	**52**	**38**	**17**	**6**				**844**	100

Future Management & Monitoring of Activities

Alnus trees can be cant be removed for timber from this sub-compartment.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	601	12	45	1263												
	Firewood	542	11		1302												
30-49	Cham	786	16	55	969												
	Firewood	2400	48		2206												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	25.0	25												
Felling (firewood)	50.0	50												
Felling (timber)														
No activity	25.0	25												

Assessment carried out by	Sonam Penjor, Sangay Nidup, S. Wangchuk and T. Jamtsho	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Jangchubling	Block No	3	Comp.No	3(D)

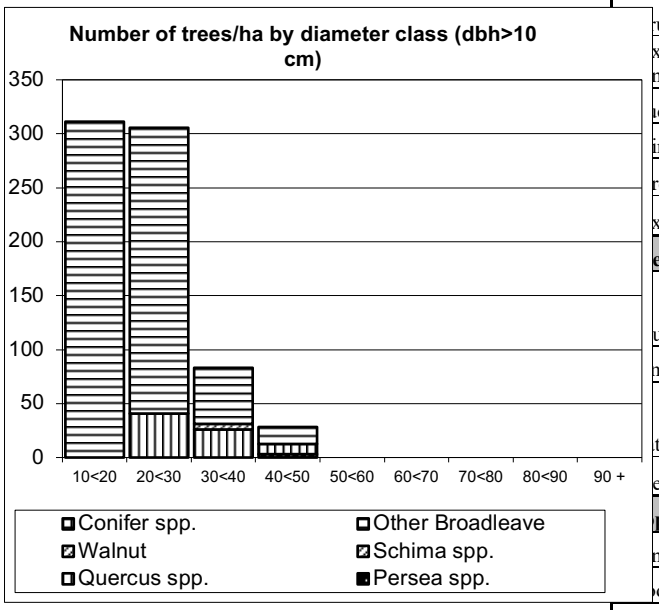
Areas in ha

Non Production	18.8	Protection		In-accessible	10.7	Production	14.3

Forest Composition and Description

Plot no 1,4,7 and 13 are operable. Plot no. 8,9 and 14 falls inside private land. The plot no 5,10, 11 and 12 falls inside cardamom orchard. And plot no 6 falls inside catchment area.

Stand data	
Bas. Area (m2/ha)	33.0
Tot. Vol. (m3/ha)	201.9
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		50
ruce		Coppice		Bamboo		
xed nifer		**Canopy**	**%**	Cane		
ıe Pine		Dense		Daphne		
ir Pine		Closed	100			
rdwood	100	Open				
xed H/C		Unstocked		**Forest Use**	**I**	**E**
e Class	**%**	**Condition**	**%**	Type	%	%
ung		Good		Grazing		25.00
mature	100	Average	100	Shokshing		
ture		Poor		Lopping		50.00
ermature		**Site Characteristics**				
pe	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
ntle		Stable		High		
derate	100	Moderate	100	Moderate	100	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													

Michelia spp.						3						**3**	0
Persea spp.													
Quercus spp.	265	442		41	26	9						**76**	10
Schima spp.					5							**5**	1
Walnut													
Other Broadleave	884	707	311	265	52	16						**644**	88
Conifer spp.													
Total	**1149**	**1149**	**311**	**306**	**83**	**28**						**728**	100

Future Management & Monitoring of Activities

Quercus Firewood and Alnus trees can be removed for timber from this sub-compartment.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing																
	Firewood																
30-49	Cham	74	5	33	49												
	Firewood	461	32		387												
20-29	Tsim			67													
	Firewood	3201	224		876												
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	10.9	33												
Felling (firewood)	10.9	33												
Felling (timber)														
No activity	10.9	33												

Assessment carried out by	Sangay Dorji	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Jangchubling	Block No	3	Comp.No	3(E)

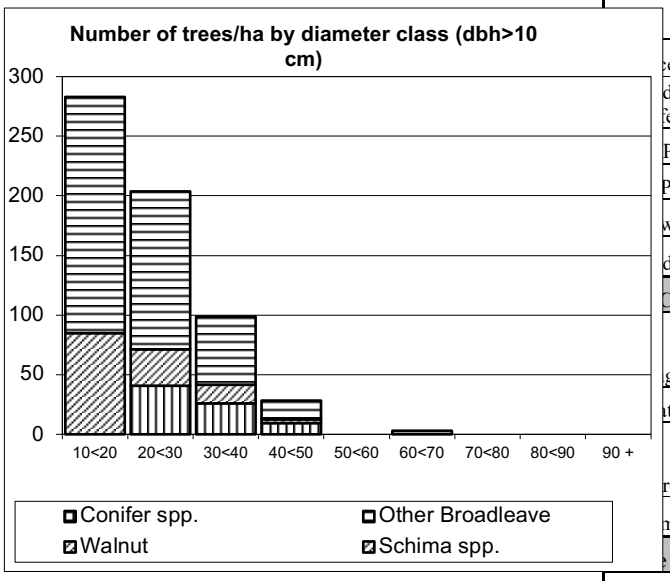
Areas in ha

Non Production	62.5	Protection		In-accessible	17.9	Production	7.1

Forest Composition and Description

Plot no 1,4,7 and 13 are operable. Plot no. 8,9 and 14 falls inside private land. The plot no 5,10, 11 and 12 falls inside cardamom orchard. And plot no 6 falls inside catchment area.

Stand data	
Bas. Area (m2/ha)	30.0
Tot. Vol. (m3/ha)	194.7
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+fir ew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood		100
ce		Coppice		Bamboo		
d fer		**Canopy**	**%**	Cane		
Pine		Dense		Daphne		
Pine		Closed	100			
wood	100	Open				
d H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g		Good		Grazing		25.00
ture	100	Average	100	Shokshing		
re		Poor		Lopping		50.00
mature		**Site Characteristics**				
e	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle		Stable		High		
Moderate	100	Moderate	100	Moderate	100	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia													

spp.													
Persea spp.													
Quercus spp.	265	442		41	26	9						**76**	12
Schima spp.	177	265	85	31	16	3						**134**	22
Walnut													
Other Broadleave	619	619	198	132	57	16		3				**406**	66
Conifer spp.													
Total	**1061**	**1326**	**283**	**204**	**99**	**28**		**3**				**617**	100

Future Management & Monitoring of Activities

Quercus Firewood and Alnus trees can be removed for timber from this sub-compartment.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing			10													
	Firewood	11	2		32												
30-49	Cham	74	10	71	49												
	Firewood	245	34		190												
20-29	Tsim	73	10	19	20												
	Firewood	146	20		44												
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	21.9	33												
Felling (firewood)	21.9	33												
Felling (timber)														
No activity	21.9	33												

Assessment carried out by	Sangay Dorji	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Jangchubling	Block No	3	Comp.No	3(F)

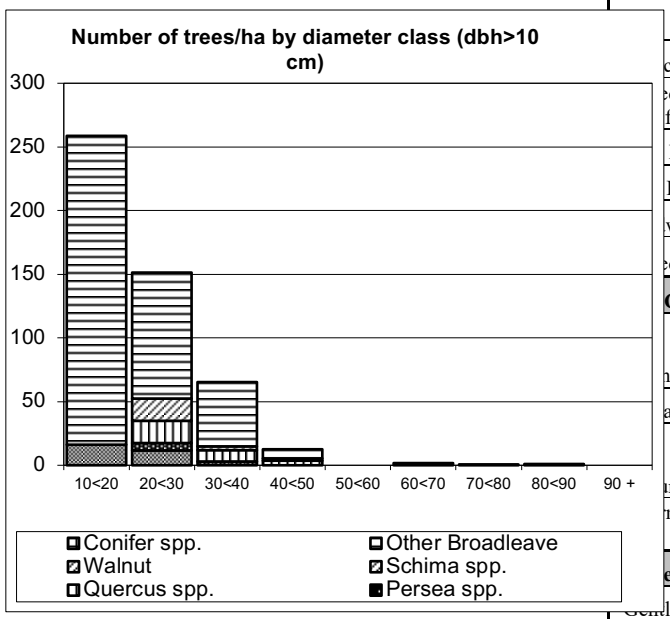
Areas in ha

Non Production	31.3	Protection		In-accessible	18.0	Production	25.2

Forest Composition and Description

The stand type is even aged which dominated by Alnus and Quercus spp. Five plots are in-operable. Wild life present there are wild pig, Barking deer, Sambar and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	21.7
Tot. Vol. (m3/ha)	134.3
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood	14	43
ce		Coppice		Bamboo		
ed fer		**Canopy**	**%**	Cane		
Pine		Dense		Daphne		
Pine		Closed	71			
wood	100	Open	29			
ed H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
ng		Good	14	Grazing	14	57.14
ature	71	Average	71	Shokshing		
ure	29	Poor	14	Lopping		14.29
matur		**Site Characteristics**				
e	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	43	Stable	29	High	29	
Moderate	57	Moderate	71	Moderate	57	
Steep		Unstable		Low	14	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.			16	12								**28**	6
Exbucklandia				6	3							**9**	2

Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.	101			17	9	4						**30**	6
Schima spp.	51	152		17	3	2						**22**	5
Walnut													
Other Broadleave	505	657	243	99	50	7		2	1	1		**403**	82
Conifer spp.													
Total	**657**	**808**	**259**	**151**	**65**	**13**		**2**	**1**	**1**		**491**	100

Future Management & Monitoring of Activities

The felling for fire wood can be done in this sub-compartment since it is dominated by Quercus and Alnus species only. Matured Alnus can be removed for timber use.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	72	3	42	267												
	Firewood	13	1		71												
30-49	Cham			58													
	Firewood	556	22		468												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	10.6	20												
Thinning	10.6	20												
Felling (firewood)	10.6	20												
Felling (timber)	10.6	20												
No activity	10.6	20												

Assessment carried out by	Sangay Nidup	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Jangchubling	Block No	3	Comp.No	3(G)

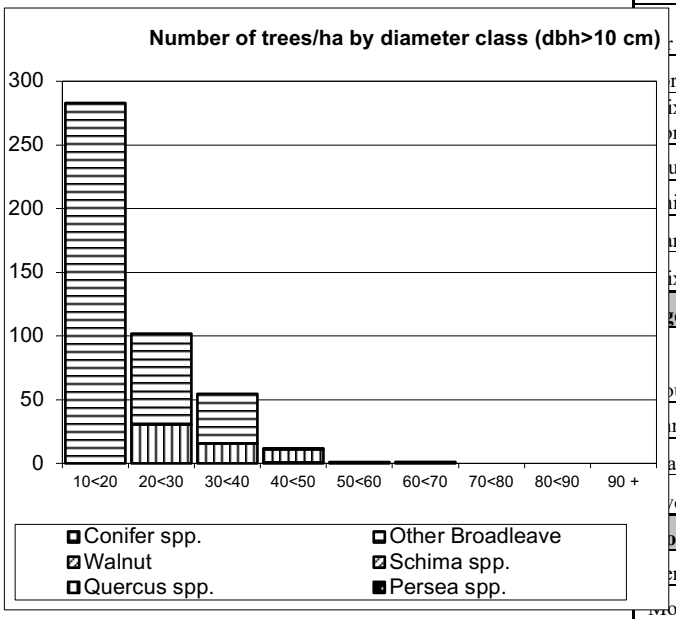
Areas in ha

Non Production		Protection		In-accessible		Production	100.0

Forest Composition and Description

This sub-compartment lies towards north of Gelethang village and southern part of Nonpani village. Forest condition is good but no prime timber for construction purpose. The wild life present are barking deer, wild pig and sambar.

Stand data	
Bas. Area (m2/ha)	17.8
Tot. Vol. (m3/ha)	109.4
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood		38
ruce		Coppice		Bamboo		
ixed onifer		**Canopy**	**%**	Cane		
ue Pine		Dense		Daphne		
ir Pine		Closed	69			
rdwood	31	Open	31			
ixed H/C		Unstocked		**Forest Use**	**I**	**E**
ge Class	**%**	**Condition**	**%**	Type	%	%
ung		Good	6	Grazing		6.25
mature	81	Average	88	Shokshing		
ature	19	Poor	6	Lopping		
ermature		**Site Characteristics**				
ope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
ntle	38	Stable	63	High	50	
oderate	63	Moderate	38	Moderate	50	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.						1						**1**	0
Persea spp.													

Quercus spp.		332	376		31	16	10						**56**	12
Schima spp.														
Walnut														
Other Broadleave		840	796	283	71	39	1	1	1				**396**	87
Conifer spp.														
Total		**1172**	**1172**	**283**	**102**	**55**	**12**	**1**	**1**				**453**	100

Future Management & Monitoring of Activities

Firewood and few timber can be removed from this sub-compartment.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing			14													
	Firewood	75	1		227												
30-49	Cham	260	3	68	170												
	Firewood	1145	11		975												
20-29	Tsim			18													
	Firewood	1019	10		306												
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	18.8	50												
Felling (firewood)	12.5	33												
Felling (timber)														
No activity	6.3	17												

Assessment carried out by	Chophel	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Jangchubling	Block No	3	Comp.No	3(H)

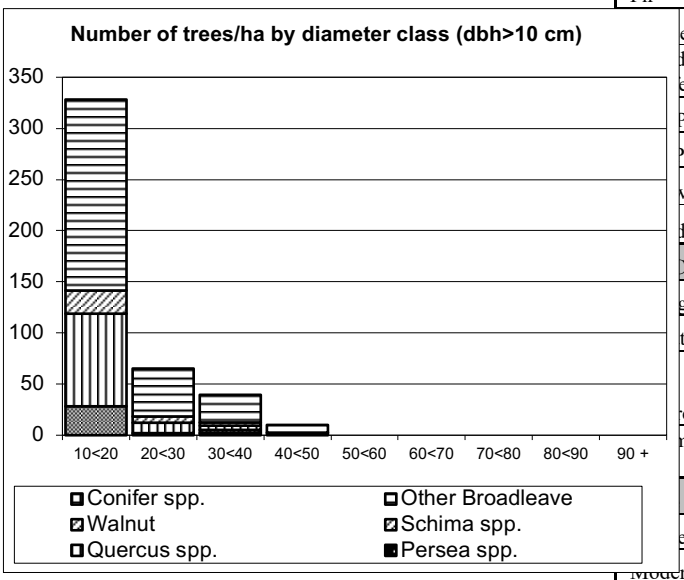
Areas in ha

Non Production		Protection		In-accessible		Production	125.0

Forest Composition and Description

Even age forest dominated by Alnus and Quercus. Altitude range is between 1000-1500 metres. All plots lies towards southern aspect from Geog office. Wild life present are Sambar, Barking deer and Wild pig.

Stand data	
Bas. Area (m2/ha)	14.4
Tot. Vol. (m3/ha)	82.5
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		10
e		Coppice		Bamboo		
l er		**Canopy**	**%**	Cane		
Pine		Dense		Daphne		
Pine		Closed	90			
vood	100	Open	10			
l H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g		Good	40	Grazing	5	
ture	75	Average	50	Shokshing		
e	25	Poor		Lopping	10	15.00
natur		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
e	35	Stable	50	High	5	
Moderate	65	Moderate	50	Moderate	70	
Steep		Unstable		Low	25	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.		35	28		2							**30**	7
Exbucklandia				2	3							**5**	1
Litsea spp.													
Michelia spp.													
Persea spp.													

Quercus spp.		88	91	10	4	3						**107**	24
Schima spp.		53	23	6	3							**32**	7
Walnut													
Other Broadleave	336	619	187	47	27	8						**268**	61
Conifer spp.													
Total	**336**	**796**	**328**	**65**	**39**	**10**						**443**	100

Future Management & Monitoring of Activities

Alnus and Schima species can be removed for timber and Quercus SPP can be removed for **fuel** wood.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing																
	Firewood																
30-49	Cham	496	4	100	461												
	Firewood	1460	12		1362												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	31.3	63												
Felling (firewood)	12.5	25												
Felling (timber)														
No activity	6.3	13												

Assessment carried out by	Sangay Wangchuk	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Jangchublin g	Block No	3	Comp.No	3(I)

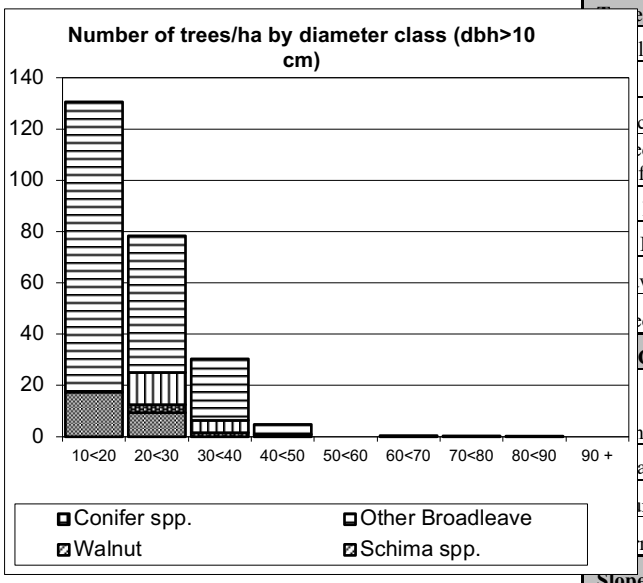
Areas in ha

Non Production	25.0	Protection		In-accessible		Production	68.8

Forest Composition and Description

The stand type is evenaged which dominated by Alnus and quercus spp. All plots are operable. Wild life present there are wild pig, Barking deer, Sambar and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	10.3
Tot. Vol. (m3/ha)	61.9
Vconifer %	



Forest	%	Stand Type	%	NWFP+fir ew.	A	S
lock		Plantation		Type	%	%
		Natural	38	Firewood		8
ce		Coppice		Bamboo		
ed fer		**Canopy**	**%**	Cane		
Pine		Dense		Daphne		
Pine		Closed	46	Pipla	8	
wood	100	Open	23			
ed H/C		Unstocked	31	**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
ng	8	Good	8	Grazing	7.7	
ature	85	Average	69	Shokshing		
ure	8	Poor	23	Lopping		
mature		**Site Characteristics**				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	31	Stable	15	High	15	
Moderate	69	Moderate	85	Moderate	77	
Steep		Unstable		Low	8	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.			17	9								**27**	11
Exbucklandia				3	2							**5**	2
Litsea spp.													
Michelia													

spp.													
Persea spp.													
Quercus spp.	54			13	5	1						**18**	7
Schima spp.	27	82											
Walnut													
Other Broadleave	27532		113	53	24	4		0	0	0		**195**	80
Conifer spp.													
Total	**27614**	**82**	**131**	**78**	**30**	**5**		**0**	**0**	**0**		**245**	100

Future Management & Monitoring of Activities

The felling for timber can be done since lower valley has good stands of Albezia in future. The area can be used only for felling for fuel wood purpose only.

Production Potential (N, Volume)						**No of trees removed each year**										To tal	%
Product size		N total	N/ ha	%	(m 3)	202 0	202 1	202 2	202 3	202 4	202 5	202 6	202 7	202 8	202 9		
>50	Drashing	74	1	23	296												
	Firewood																
30-49	Cham			54													
	Firewood	816	12		687												
20-29	Tsim			23													
	Firewood	1077	16		292												
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Tot al	%
Measure	Area (ha)	in %	202 0	202 1	202 2	202 3	202 4	202 5	202 6	202 7	202 8	202 9		
Planting														
Thinning														
Felling (firewood)	7.2	50												
Felling (timber)														
No activity	7.2	50												
Assessment carried out by		Sangay Nidup									**Year:**		2020	

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Jangchubling	Block No	3	Comp.No	3(J)

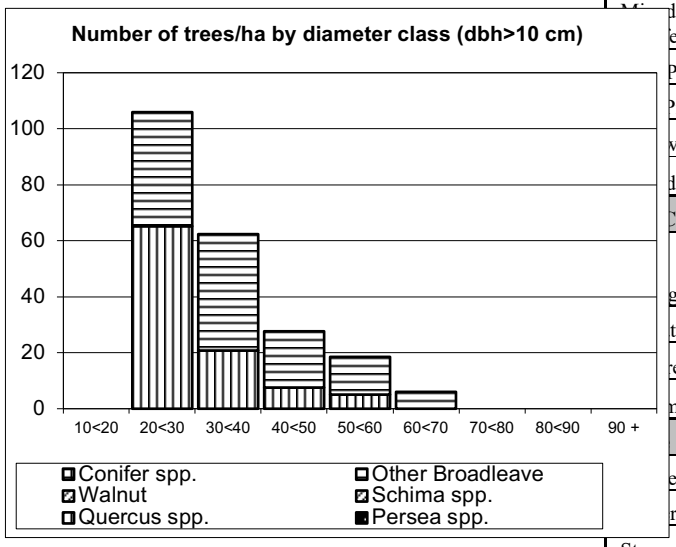
Areas in ha

Non Production	50.0	Protection		In-accessible	19.2	Production	12.0

Forest Composition and Description

The Stands here in this sub- Compartment is even age Alnus nepalensis and Quercus species. The wildlife present are wild big and barking deer.

Stand data	
Bas. Area (m2/ha)	22.0
Tot. Vol. (m3/ha)	168.8
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+fir ew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		60
Spruce		Coppice		Bamboo		
		Canopy	**%**	Cane		
		Dense		Daphne		
		Closed	80			
	100	Open	20			
		Unstocked		**Forest Use**	**I**	**E**
	%	**Condition**	**%**	Type	%	%
		Good		Grazing		20.00
	100	Average	100	Shokshing		
		Poor		Lopping		
		Site Characteristics				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
	20	Stable	100	High	60	
	80	Moderate		Moderate	40	
		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.		141											
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													

Quercus spp.	990	283		65	21	8	5					**99**	45
Schima spp.													
Walnut													
Other Broadleave	990	283		41	42	20	13	6				**122**	55
Conifer spp.													
Total	**1981**	**707**		**106**	**62**	**28**	**19**	**6**				**221**	100

Future Management & Monitoring of Activities

The felling need to be restricted since it falls in water catchment area. Moreover, the stream is adopted by Chudzom Central School.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	35	3	47	83												
	Firewood	116	10		260												
30-49	Cham	30	3	41	37												
	Firewood	310	26		258												
20-29	Tsim			12													
	Firewood	294	24		85												
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	16.3	17												
Thinning	16.3	17												
Felling (firewood)	48.8	50												
Felling (timber)														
No activity	16.3	17												

Assessment carried out by	Chophel	**Year:**	2020

Annex 2
Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Gelethang(Gungring)	Block No	4	Comp.No	4(A)

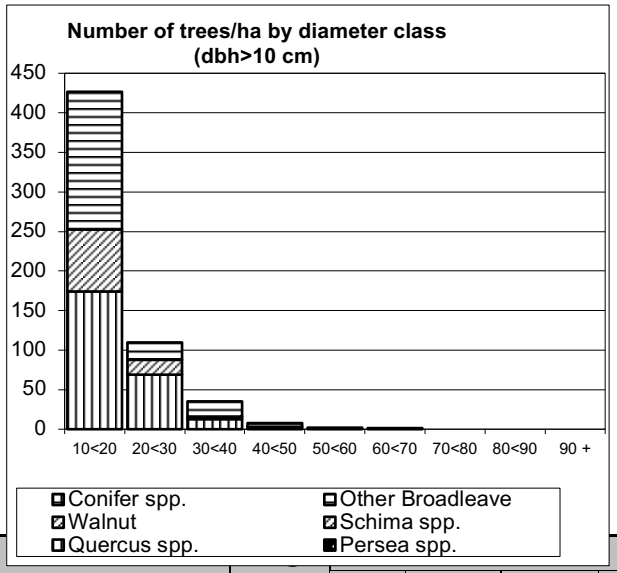
Areas in ha

Non Production	12.5	Protection		In-accessible	10.8	Production	70.4

Forest Composition and Description

The stand type is even aged which dominated by Albezia species and Quercus spp. The plot no. 9 falls inside cardamom orchard. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	18.5
Tot. Vol. (m3/ha)	111.5
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		31
Spruce		Coppice		Bamboo		
Mixed Conifer		**Canopy**	**%**	Cane		
Blue Pine		Dense		Daphne		
Chir Pine		Closed	100			
Hardwood	100	Open				
Mixed H/C		Unstocked		**Forest Use**	**I**	**E**
Age Class	**%**	**Condition**	**%**	Type	%	%
Young	8	Good	8	Grazing		
Immature	92	Average	85	Shokshing		
Mature		Poor	8	Lopping		7.69
Overmature		**Site Characteristics**				
Slope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	15	Stable	31	High		
Moderate	85	Moderate	69	Moderate	100	
Steep		Unstable		Low		

Species	N/ha per diameter class											Total (> 10cm)	
	t 0.3<1.3 m	<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.		82											
Persea spp.													
Quercus spp.	979	952	174	69	13	3	2					**261**	45
Schima spp.	54	54	78	19	3							**100**	17

Walnut													
Other Broadleave	1007	843	174	22	19	5		1				**221**	38
Conifer spp.													
Total	**2040**	**1932**	**427**	**110**	**35**	**8**	**2**	**1**				**583**	100

Future Management & Monitoring of Activities

The felling for limited cham and drashing can be done in this sub-compartment since it is dominated by Alnus species and Quercus only. Need planting in some areas of this sub-compartment.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	78	1	38	208												
	Firewood																
30-49	Cham	204	3	62	252												
	Firewood	68	1		84												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	28.8	44												
Thinning														
Felling (firewood)	28.8	44												
Felling (timber)														
No activity	7.2	11												

Assessment carried out by	Lungten	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Gelethang(Gungring)	Block No	4	Comp.No	4(B)

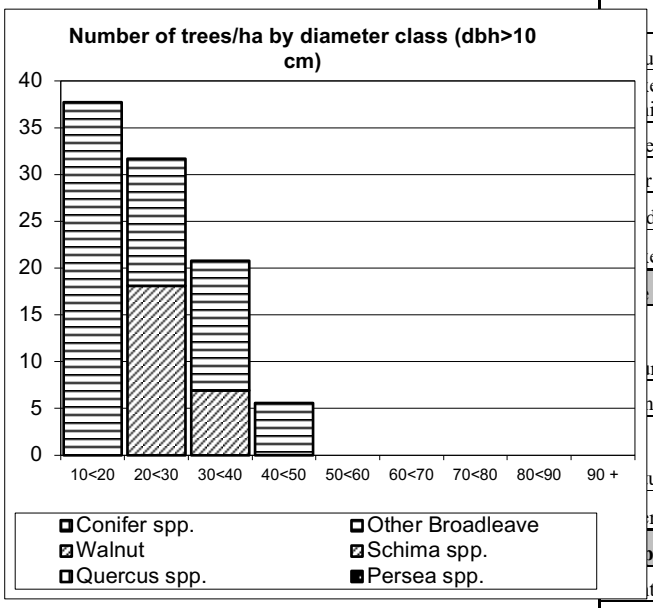
Areas in ha

Non Production	6.3	Protection		In-accessible	3.8	Production	33.8

Forest Composition and Description

The stand type is even aged which dominated by Albezia species. The plot no. 7 falls inside cardamom orchard. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	5.1
Tot. Vol. (m3/ha)	32.8
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood		22
uce		Coppice		Bamboo		
ed ifer		**Canopy**	**%**	Cane		
e Pine		Dense	11	Daphne		
r Pine		Closed	78			
dwood	100	Open	11			
ed H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
ng		Good		Grazing		22.22
nature		Average	100	Shokshing		
ure	100	Poor		Lopping		11.11
rmature		**Site Characteristics**				
pe	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
tle		Stable		High		
Moderate	100	Moderate	100	Moderate	100	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													

Michelia spp.													
Persea spp.													
Quercus spp.													
Schima spp.	196	196		18	7							**25**	26
Walnut													
Other Broadleave	432	511	38	14	14	6						**71**	74
Conifer spp.													
Total	**629**	**707**	**38**	**32**	**21**	**6**						**96**	100

Future Management & Monitoring of Activities

The felling for small sized fire wood can be done in this sub-compartment since it is dominated by Almus species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing																
	Firewood																
30-49	Cham			85													
	Firewood	203	6		163												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.			15													
	Firewood	424	13		30												

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning														
Felling (firewood)	4.9	50												
Felling (timber)														
No activity	4.9	50												

Assessment carried out by	Sangay Dorji	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Bechkhola	Block No	4	Comp.No	4(C)

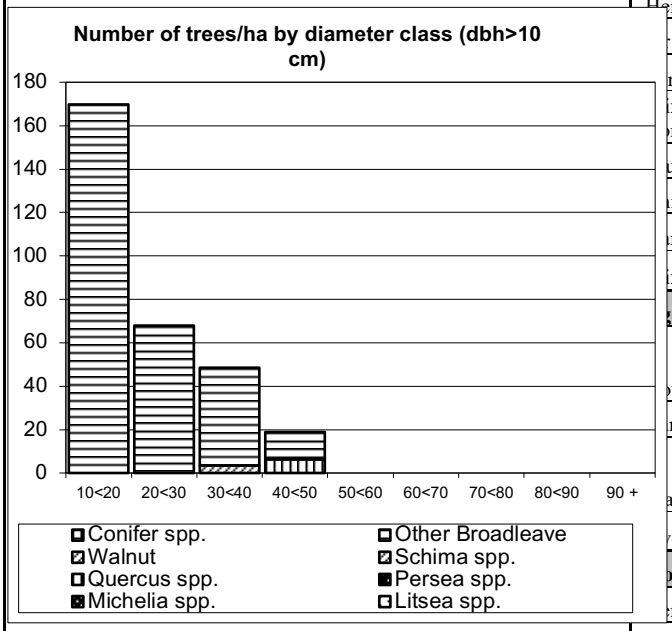
Areas in ha

Non Production	18.8	Protection		In-accessible	12.5	Production	25.0

Forest Composition and Description

The stand type is even aged which dominated byAlnus and quercus spp. 3 plots are in-operable because fall inside cardomom orchard. Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	14.0
Tot. Vol. (m3/ha)	86.9
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood		33
ruce		Coppice		Bamboo		
ixed onifer		**Canopy**	**%**	Cane		
ue Pine		Dense		Daphne		
ir Pine		Closed	83			
rdwood	100	Open	17			
ixed H/C		Unstocked		**Forest Use**	**I**	**E**
ge Class	**%**	**Condition**	**%**	Type	%	%
ung		Good	17	Grazing	17	33.33
mature	100	Average	83	Shokshing		
ature		Poor		Lopping		16.67
ermature		**Site Characteristics**				
ope	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
ntle	33	Stable	33	High	17	
Moderate	67	Moderate	67	Moderate	83	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90 +	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													

Michelia spp.													
Persea spp.													
Quercus spp.	177	118				6						**6**	2
Schima spp.	236	177			3							**3**	1
Walnut													
Other Broadleave	707	531	170	68	45	13						**295**	97
Conifer spp.													
Total	**1120**	**825**	**170**	**68**	**49**	**19**						**305**	100

Future Management & Monitoring of Activities

The felling for cham chamsize timber and fire wood can be done in this sub-compartment since it is dominated by Almus species only.

Production Potential (N, Volume)						**No of trees removed each year**										Tot al	%
Product size		N total	N /ha	%	(m3)	202 0	202 1	20 22	20 23	202 4	202 5	202 6	202 7	20 28	20 29		
>50	Drashing																
	Firewoo d																
30-49	Cham	139	6	10 0	121												
	Firewoo d	330	1 3		319												
20-29	Tsim																
	Firewoo d																
10-19	Poles, etc.																
	Firewoo d																

Silvicultural Measures			**Area in ha implemented per year**										Tot al	%
Measure	Area (ha)	in %	202 0	202 1	20 22	20 23	202 4	202 5	202 6	202 7	20 28	20 29		
Planting														
Thinning														
Felling (firewood)	9.4	33												
Felling (timber)	9.4	33												
No activity	9.4	33												

Assessment carried out by	Sangay Nidup and team	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Gelethang	Block No	4	Comp.No	4(D)

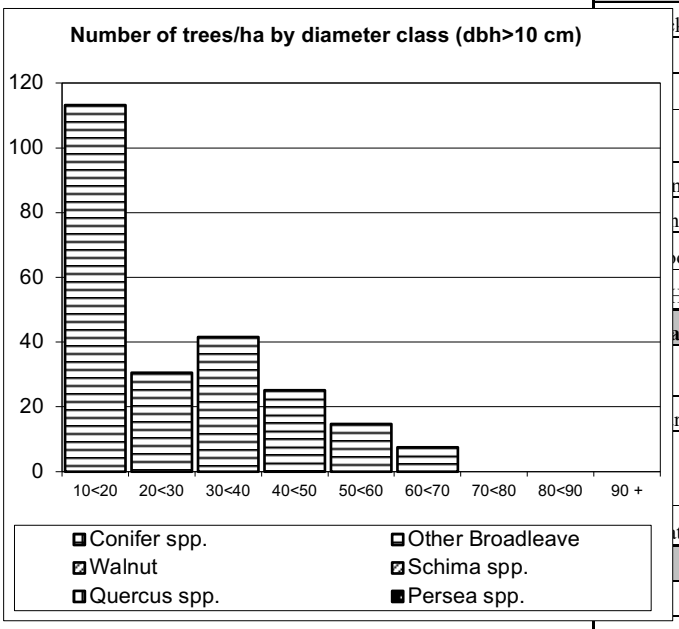
Areas in ha

Non Production		Protection		In-accessible		Production	25.0

Forest Composition and Description

The stand type is even aged which dominated by Albezia species. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	17.5
Tot. Vol. (m3/ha)	126.1
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
k		Plantation		Type	%	%
		Natural	100	Firewood		75
		Coppice		Bamboo		
		Canopy	**%**	Cane		
ne		Dense		Daphne		
ne		Closed	75			
od	100	Open	25			
H/C		Unstocked		**Forest Use**	**I**	**E**
ass	**%**	**Condition**	**%**	Type	%	%
		Good		Grazing	75	
re	75	Average	100	Shokshing		
	25	Poor		Lopping		25.00
ture		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
	25	Stable		High		
Moderate	75	Moderate	100	Moderate	100	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													

Persea spp.													
Quercus spp.													
Schima spp.													
Walnut													
Other Broadleave	884	1149	113	31	42	25	15	8				**233**	100
Conifer spp.													
Total	**884**	**1149**	**113**	**31**	**42**	**25**	**15**	**8**				**233**	100

Future Management & Monitoring of Activities

The felling forDrashing, cham size timber and fire wood can be done in this sub-compartment since it is dominated by Alnus species only.

Production Potential (N, Volume)						No of trees removed each year										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	557	22	54	1292												
	Firewood																
30-49	Cham	236	9	43	291												
	Firewood	783	31		739												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.			2													
	Firewood	707	28		50												

Silvicultural Measures			Area in ha implemented per year										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	6.3	14												
Felling (firewood)	18.8	43												
Felling (timber)	12.5	29												
No activity	6.3	14												
Assessment carried out by		Lungten Dorji									**Year:**		2020	

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Gelethang	Block No	4	Comp.No	4(E)

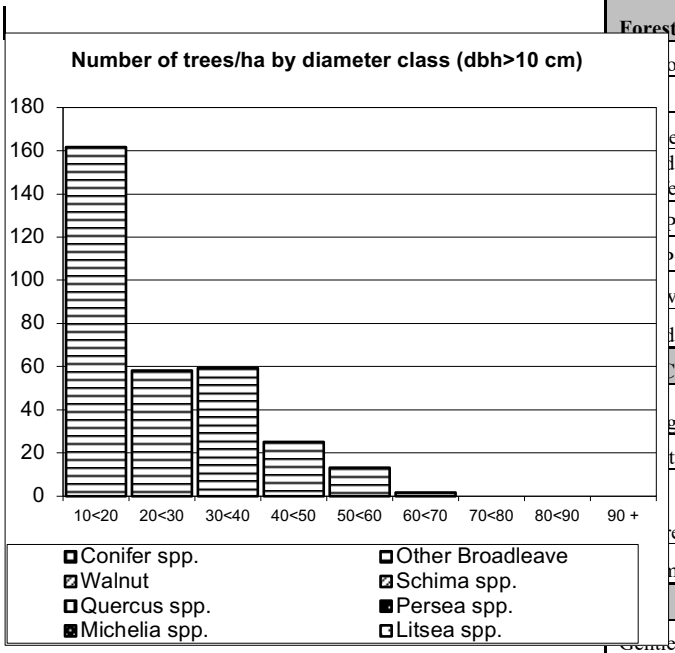
Areas in ha

Non Production		Protection		In-accessible		Production	43.8

Forest Composition and Description

The stand type isimmature to matured which dominated by Albizia specie and Quercus and Alnus in upper area. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	19.1
Tot. Vol. (m3/ha)	128.2
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
ock		Plantation		Type	%	%
		Natural	100	Firewood		71
e		Coppice		Bamboo		
l er		**Canopy**	**%**	Cane		
Pine		Dense	29	Daphne		
Pine		Closed	71			
vood	100	Open				
l H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g		Good		Grazing	29	
ture	29	Average	100	Shokshing		
e	71	Poor		Lopping		14.29
nature		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
e		Stable		High		
Moderate	100	Moderate	100	Moderate	100	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90 +	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													

Quercus spp.													
Schima spp.													
Walnut													
Other Broadleave	758	758	162	58	59	25	13	2				**319**	100
Conifer spp.													
Total	**758**	**758**	**162**	**58**	**59**	**25**	**13**	**2**				**319**	100

Future Management & Monitoring of Activities

The felling for Drashing and chamsize timber can be done in this sub-compartment since it is dominated by Alnus species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	496	11	54	1056												
	Firewood	158	4		311												
30-49	Cham	550	13	46	678												
	Firewood	393	9		485												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	6.3	9												
Felling (firewood)	31.3	45												
Felling (timber)	25.0	36												
No activity	6.3	9												

Assessment carried out by	Sangay Nidup and team	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Gelethang	Block No	4	Comp.No	4(F)

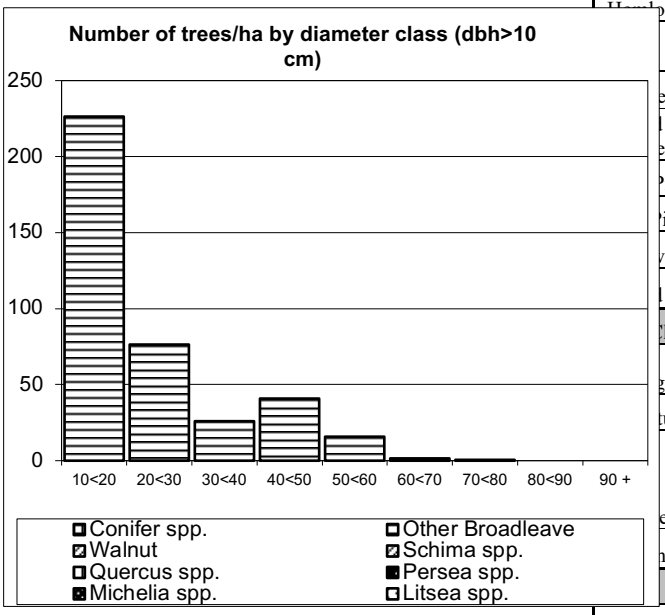
Areas in ha

Non Production		Protection		In-accessible		Production	50.0

Forest Composition and Description

The stand type is even aged which dominated by Albezia species and Alnus in upper area. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	21.3
Tot. Vol. (m3/ha)	141.9
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood		38
e		Coppice		Bamboo		
er		**Canopy**	**%**	Cane		
Pine		Dense	38	Daphne		
Pine		Closed	63			
wood	100	Open				
H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g	13	Good	13	Grazing	38	
ture	50	Average	88	Shokshing		
e	38	Poor		Lopping		12.50
nature		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle		Stable	13	High		
Moderate	100	Moderate	88	Moderate	100	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90 +	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													

Persea spp.													
Quercus spp.													
Schima spp.													
Walnut													
Other Broadleave	840	796	226	76	26	41	16	2	1			**387**	100
Conifer spp.													
Total	**840**	**796**	**226**	**76**	**26**	**41**	**16**	**2**	**1**			**387**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	893	18	52	1894												
	Firewood																
30-49	Cham	629	13	48	775												
	Firewood	786	16		969												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	6.3	17												
Felling (firewood)	12.5	33												
Felling (timber)	12.5	33												
No activity	6.3	17												

Assessment carried out by	Sangay Wangchuk	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Patibara	Block No	5	Comp.No	5(A)

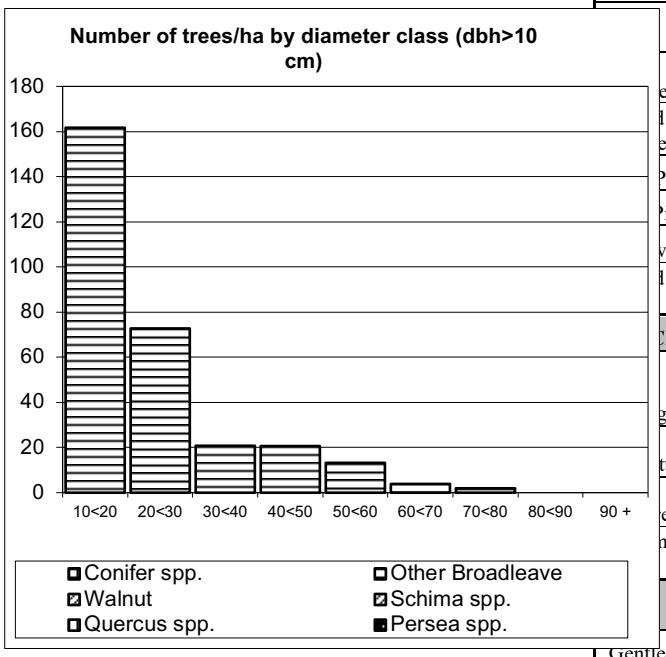
Areas in ha

Non Production	12.5	Protection		In-accessible	10.9	Production	76.6

Forest Composition and Description

The stand type is even aged which dominated by Albezia species and Alnus in upper area. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	17.0
Tot. Vol. (m3/ha)	115.6
Vconifer %	



Forest Type	%	Stand Type	%	NWFP +firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood		86
		Coppice		Bamboo		
		Canopy	**%**	Cane		
		Dense		Daphne		
		Closed	100			
	100	Open				
		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
		Good		Grazing	14	28.57
ture	100	Average	100	Shokshing		
		Poor		Lopping		
natur		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	7	Stable	7	High	7	
Moderate	93	Moderate	93	Moderate	93	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													

Michelia spp.													
Persea spp.													
Quercus spp.													
Schima spp.													
Walnut													
Other Broadleave	632	808	162	73	21	21	13	4	2			**295**	100
Conifer spp.													
Total	**632**	**808**	**162**	**73**	**21**	**21**	**13**	**4**	**2**			**295**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	206	3	68	693												
	Firewood	689	9		1476												
30-49	Cham			32													
	Firewood	825	11		1018												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	42.9	25												
Felling (firewood)	71.4	42												
Felling (timber)	50.0	29												
No activity	7.1	4												

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Sherabling Area	Block No	5	Comp.No	5(B)

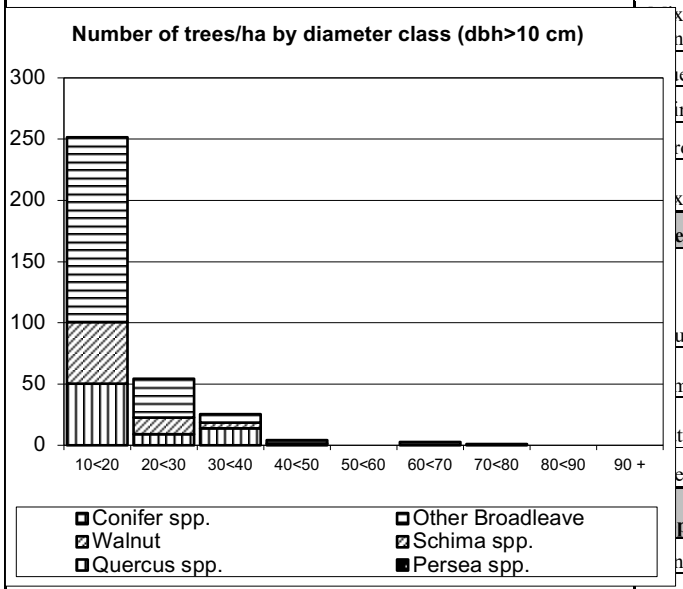
Areas in ha

Non Production	68.8	Protection		In-accessible	30.9	Production	25.3

Forest Composition and Description

The stand type is even aged which dominated by Albezia species and Alnus in upper area. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	11.6
Tot. Vol. (m3/ha)	71.0
Vconifer %	



Forest Type	%	Stand Type	%	NWFP +firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		33
Spruce		Coppice		Bamboo		
ked nifer		**Canopy**	**%**	Cane		
e Pine		Dense		Daphne		
ir Pine		Closed	56			
rdwood	100	Open	22			
ked H/C		Unstocked	22	**Forest Use**	**I**	**E**
e Class	**%**	**Condition**	**%**	Type	%	%
ung	22	Good		Grazing	33	33.33
nature	78	Average	78	Shokshing		
ture		Poor	22	Lopping		
ermature		**Site Characteristics**				
pe	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
ntle	33	Stable	33	High	11	
Moderate	67	Moderate	67	Moderate	89	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													

Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.	629	668	50	9	14	1						**75**	22
Schima spp.	157	79	50	14	5							**69**	20
Walnut													
Other Broadleave	825	629	151	32	7	3		3	1			**196**	58
Conifer spp.													
Total	**1611**	**1375**	**252**	**54**	**25**	**4**		**3**	**1**			**339**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**											T otal	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029			
>50	Drashing	17	1	54	51													
	Firewood																	
30-49	Cham			46														
	Firewood	35	1		44													
20-29	Tsim																	
	Firewood																	
10-19	Poles, etc.																	
	Firewood																	

Silvicultural Measures			**Area in ha implemented per year**										T ot al	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	69.4	36												
Thinning														
Felling (firewood)	97.2	50												
Felling (timber)	13.9	7												
No activity	13.9	7												

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Upper Sherablng	Block No	5	Comp.No	5(C)

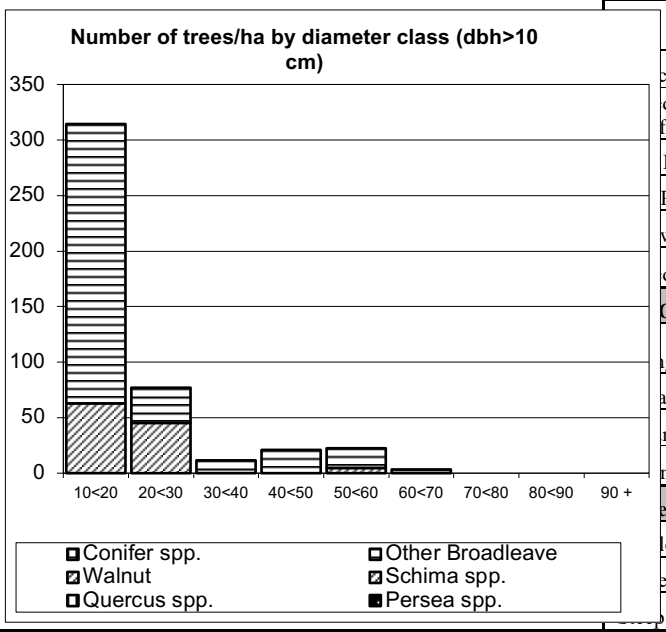
Areas in ha

Non Production	12.5	Protection		In-accessible	12.5	Production	56.3

Forest Composition and Description

The stand type is even aged which dominated by Albezia species and Alnus in upper area. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	20.2
Tot. Vol. (m3/ha)	134.6
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood		56
ce		Coppice		Bamboo		
d fer		**Canopy**	**%**	Cane		
Pine		Dense		Daphne		
Pine		Closed	78			
wood	100	Open	22			
d H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g		Good		Grazing	44	
ature	100	Average	78	Shokshing		
re		Poor	22	Lopping		
mature		**Site Characteristics**				
e	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
le		Stable		High		
erate	100	Moderate	100	Moderate	100	
		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90 +	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.													
Schima spp.	196	196	63	45			5					**113**	25

Walnut													
Other Broadleave	982	982	252	32	12	21	18	3				**337**	75
Conifer spp.													
Total	**1179**	**1179**	**314**	**77**	**12**	**21**	**22**	**3**				**450**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Almus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	1083	19	62	2329												
	Firewood																
30-49	Cham			38													
	Firewood	1179	21		1454												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	18.1	12												
Thinning	36.1	24												
Felling (firewood)	45.1	29												
Felling (timber)	45.1	29												
No activity	9.0	6												

Assessment carried out by	Sangay Nidup	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Upper Sherablng	Block No	5	Comp.No	5(D)

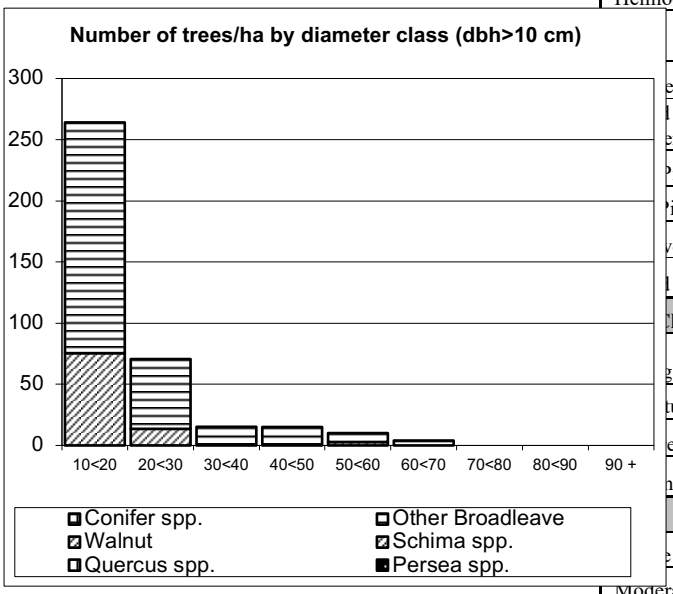
Areas in ha

Non Production	6.3	Protection		In-accessible	5.9	Production	87.9

Forest Composition and Description

The stand type is even aged which dominated by Albezia species and Alnus in upper area. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	15.7
Tot. Vol. (m3/ha)	100.6
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood		47
e		Coppice		Bamboo		
l er		**Canopy**	**%**	Cane		
Pine		Dense	13	Daphne		
Pine		Closed	87			
vood	100	Open				
l H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g		Good	13	Grazing	33	
ture	87	Average	87	Shokshing		
e	13	Poor		Lopping		
nature		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
e		Stable	7	High		
Moderate	93	Moderate	93	Moderate	100	
Steep	7	Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia													

spp.													
Persea spp.													
Quercus spp.													
Schima spp.	189	236	75	14			3					**92**	24
Walnut													
Other Broadleave	825	472	189	57	15	15	7	4				**287**	76
Conifer spp.													
Total	**1014**	**707**	**264**	**71**	**15**	**15**	**10**	**4**				**379**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	1093	12	74	2577												
	Firewood																
30-49	Cham			26													
	Firewood	737	8		909												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	13.3	8												
Thinning	26.7	17												
Felling (firewood)	46.7	29												
Felling (timber)	66.7	42												
No activity	6.7	4												

Assessment carried out by	Sangay Nidup	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Noonpani area	Block No	5	Comp.No	5(E)

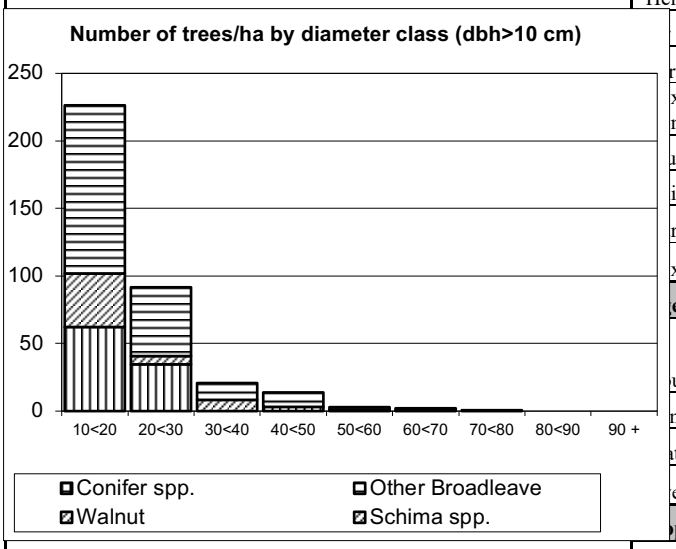
Areas in ha

Non Production	12.5	Protection		In-accessible	11.4	Production	113.6

Forest Composition and Description

Immature with other broadleaves and with few Schima and Quercus stand. Few timber can be extracted from other broadleaves.

Stand data	
Bas. Area (m2/ha)	14.4
Tot. Vol. (m3/ha)	91.5
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood		35
ruce		Coppice		Bamboo		
xed nifer		**Canopy**	**%**	Cane		
ue Pine		Dense	10	Daphne		
ir Pine		Closed	75			
rdwood	100	Open	10			
xed H/C		Unstocked	5	**Forest Use**	**I**	**E**
e Class	**%**	**Condition**	**%**	Type	%	%
ung	25	Good	5	Grazing		15.00
mature	75	Average	85	Shokshing		
ture		Poor	10	Lopping		
ermature		**Site Characteristics**				
pe	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle	35	Stable	15	High	5	
Moderate	65	Moderate	85	Moderate	95	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													

Quercus spp.	318	318	62	35		3	1	1				**101**	28
Schima spp.	35	71	40	6	8							**54**	15
Walnut													
Other Broadleave	566	654	124	51	12	11	2	2	1			**203**	57
Conifer spp.													
Total	**920**	**1043**	**226**	**92**	**21**	**14**	**3**	**2**	**1**			**358**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Almus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	246	2	46	592												
	Firewood	121	1		332												
30-49	Cham			54													
	Firewood	857	8		1090												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	13.8	10												
Thinning	6.9	5												
Felling (firewood)	82.5	57												
Felling (timber)	34.4	24												
No activity	6.9	5												

Assessment carried out by	Lungten Dorji	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Noonpani area	Block No	5	Comp.No	5(F)

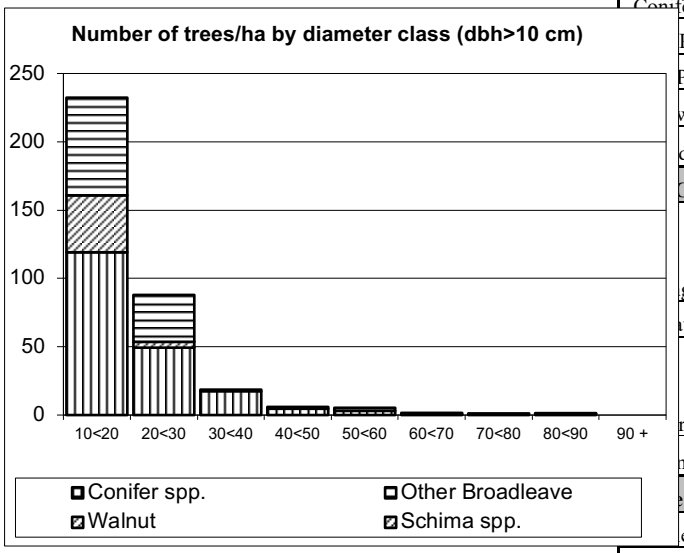
Areas in ha

Non Production	37.5	Protection		In-accessible	28.5	Production	90.3

Forest Composition and Description

Immature with other broadleaves and with few Schima and Quercus stand. Few timber can be extracted from other broadleaves. More firewood can be extracted from this sub compartment.

Stand data	
Bas. Area (m2/ha)	14.1
Tot. Vol. (m3/ha)	97.2
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood	11	42
Spruce		Coppice		Bamboo		
Mixed Conifer		**Canopy**	**%**	Cane		
Pine		Dense	11	Daphne		
Pine		Closed	84			
wood	100	Open	5			
d H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g	26	Good	5	Grazing		21.05
ture	74	Average	89	Shokshing		
re		Poor	5	Lopping		21.05
mature		**Site Characteristics**				
e	21	Stable	21	High	11	
Moderate	79	Moderate	79	Moderate	89	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													

Persea spp.													
Quercus spp.	410	503	119	49	18	5	3	1		1		**195**	55
Schima spp.	130	205	42	4	1							**47**	13
Walnut													
Other Broadleave	614	428	71	34		1	2	1	1	0		**112**	32
Conifer spp.													
Total	**1154**	**1135**	**232**	**88**	**19**	**6**	**5**	**2**	**1**	**1**		**354**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	201	2	100	878												
	Firewood	181	2		435												
30-49	Cham																
	Firewood																
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	16.4	7												
Thinning	24.7	11												
Felling (firewood)	139.8	61												
Felling (timber)	41.1	18												
No activity	8.2	4												

Assessment carried out by	Chophel	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Thongjabi area	Block No	5	Comp.No	5(G)

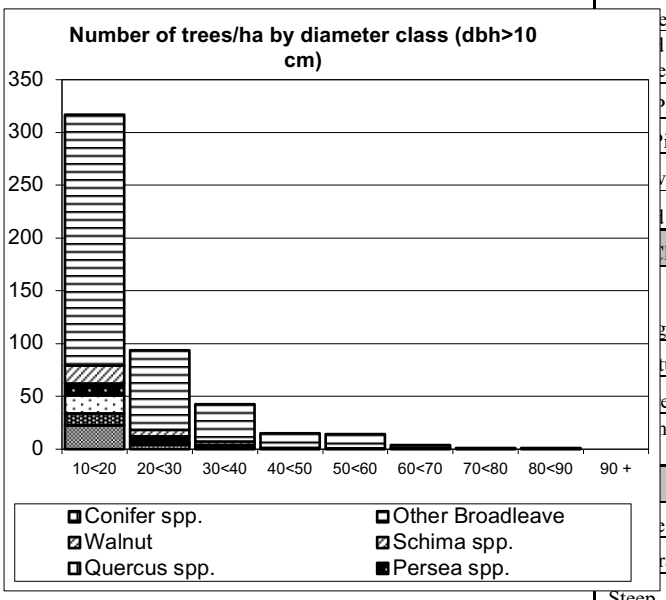
Areas in ha

Non Production	18.8	Protection		In-accessible	16.3	Production	108.7

Forest Composition and Description

Immature with major other broadleaves and with few Exbucklandia, Persia and Litsea stand in this sub compartment.

Stand data	
Bas. Area (m2/ha)	22.3
Tot. Vol. (m3/ha)	145.7
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		25
e		Coppice		Bamboo		
er		**Canopy**	**%**	Cane		
Pine		Dense		Daphne		
Pine		Closed	70			
vood	100	Open	30			
l H/C		Unstocked		**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g	10	Good	20	Grazing	25	20.00
ture	55	Average	50	Shokshing		
e	35	Poor	30	Lopping		
natur		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
e	20	Stable	15	High	20	
rate	75	Moderate	80	Moderate	60	
Steep	5	Unstable	5	Low	20	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.		53	23	4								**27**	5
Exbucklandia			11									**11**	2
Litsea spp.			17									**17**	3
Michelia spp.				2	1	1						**4**	1
Persea spp.			11	6	3			1	0			**22**	4

Quercus spp.							1	0		1		**2**	0
Schima spp.		18	17	6	3							**26**	5
Walnut													
Other Broadleave	265	531	238	75	35	14	13	3	1	0		**380**	78
Conifer spp.													
Total	**265**	**601**	**317**	**94**	**43**	**15**	**14**	**4**	**1**	**1**		**488**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
	Product size	N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	568	5	93	1881												
	Firewood	182	2		515												
30-49	Cham	137	1	7	169												
	Firewood																
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	35.9	17												
Thinning	50.3	24												
Felling (firewood)	35.9	17												
Felling (timber)	79.1	38												
No activity	7.2	3												

Assessment carried out by	Sangay Wangchuk	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Thongjabi area	Block No	5	Comp.No	5(H)

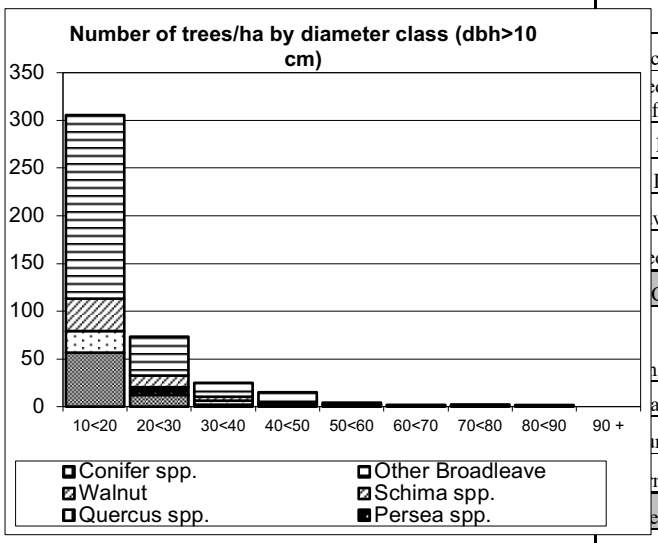
Areas in ha

Non Production		Protection		In-accessible		Production	62.5

Forest Composition and Description

Immature with major other broadleaves and with few exbucklandia, persia and Litsea stand in this sub compartment.

Stand data	
Bas. Area (m2/ha)	17.2
Tot. Vol. (m3/ha)	111.0
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood	10	30
ce		Coppice		Bamboo		
ed fer		Canopy	%	Cane		
Pine		Dense		Daphne		
Pine		Closed	40			
wood	100	Open	40			
ed H/C		Unstocked	20	Forest Use	I	E
Class	%	Condition	%	Type	%	%
ng	20	Good	10	Grazing	20	20.00
ature	80	Average	70	Shokshing		
ure		Poor	20	Lopping		
mature		Site Characteristics				
e	%	Erosiveness	%	Soil Cover	%	
Gentle	20	Stable	20	High	10	
Moderate	70	Moderate	70	Moderate	80	
Steep	10	Unstable	10	Low	10	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90 +	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.		106	57	12	2							71	17
Exbucklandia													
Litsea spp.		35	23		4							27	6
Michelia spp.													
Persea spp.				8		3			1			12	3

Quercus spp.							2	1		1		3	1
Schima spp.		106	34	12	4	1		1				52	12
Walnut													
Other Broadleave	424	672	192	41	15	11	3	1	1	0		264	62
Conifer spp.													
Total	424	920	306	73	25	15	4	2	2	1		429	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

Production Potential (N, Volume)						No of trees removed each year										Total	%
Product size		N total	N / ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	267	4	87	1273												
	Firewood	286	5		685												
30-49	Cham			13													
	Firewood	236	4		291												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			Area in ha implemented per year										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	6.3	10												
Thinning	6.3	10												
Felling (firewood)	25.0	40												
Felling (timber)	18.8	30												
No activity	6.3	10												

Assessment carried out by	Sangay Dorji	Year:	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Chunithang	Block No	5	Comp.No	5(I)

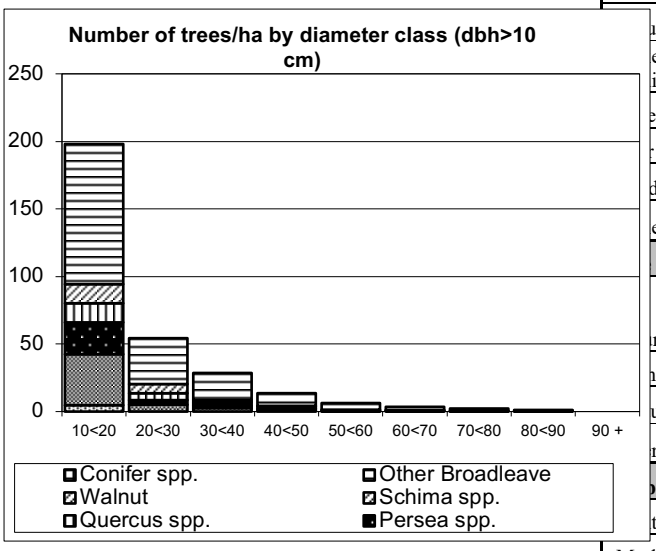
Areas in ha

Non Production		Protection		In-accessible		Production	150.0

Forest Composition and Description

Immature with major other broadleaves and with few Exbucklandia, Persia and Litsea stand in this sub compartment.

Stand data	
Bas. Area (m2/ha)	15.3
Tot. Vol. (m3/ha)	104.9
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+fir ew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood	25	13
ace		Coppice		Bamboo		
ed ifer		**Canopy**	**%**	Cane		
e Pine		Dense	4	Daphne		
r Pine		Closed	42			
dwood	100	Open	38			
ed H/C		Unstocked	17	**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
ng	8	Good	29	Grazing	13	20.83
nature	54	Average	46	Shokshing		
ure	29	Poor	25	Lopping		
rmature	8	**Site Characteristics**				
pe	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
tle	38	Stable	29	High	17	
Moderate	54	Moderate	63	Moderate	58	
Steep	8	Unstable	8	Low	25	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.			5			1	0					**6**	2
Cinnamomum spp.	15	29	38	5	3							**45**	15
Exbucklandia					2							**2**	1
Litsea spp.													
Michelia spp.						1			0			**1**	0
Persea spp.			24	3	3	2	0	1	1	0		**33**	11

Quercus spp.			14	5			1	0		0		**21**	7
Schima spp.			14	7	2	1		0				**23**	8
Walnut													
Other Broadleave	103	472	104	34	20	9	5	3	2	0		**176**	57
Conifer spp.													
Total	**118**	**501**	**198**	**54**	**29**	**14**	**6**	**4**	**2**	**1**		**308**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	1159	8	88	3880												
	Firewood	647	4		1553												
30-49	Cham			12													
	Firewood	783	5		739												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	18.8	25												
Felling (firewood)	31.3	42												
Felling (timber)	18.8	25												
No activity	6.3	8												

Assessment carried out by	Sangay Dorji	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Norbugang	Block No	5	Comp.No	5(J)

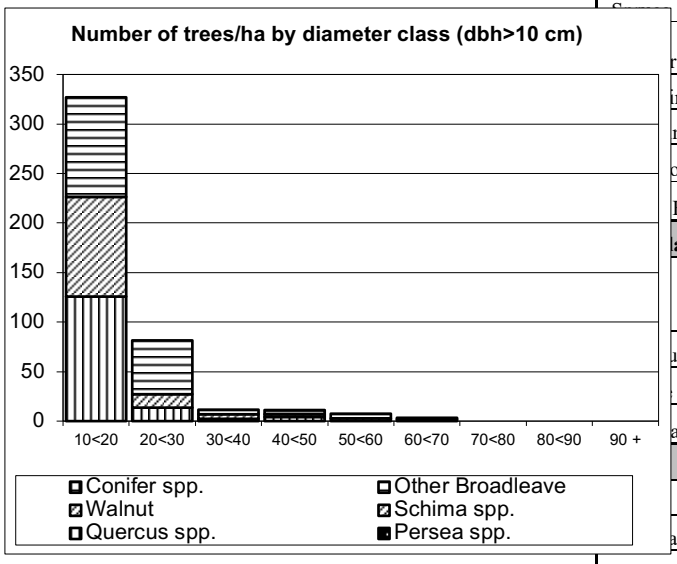
Areas in ha

Non Production	43.8	Protection		In-accessible	24.6	Production	31.6

Forest Composition and Description

The stand type is even aged which dominated by Albezia species and Alnus in upper area. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	15.6
Tot. Vol. (m3/ha)	98.9
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+fir ew.	A	S
Hemlock		Plantation		Type	%	%
Fir		Natural	100	Firewood		33
		Coppice		Bamboo		
		Canopy	**%**	Cane		
		Dense		Daphne		
		Closed	89			
ood	100	Open	11			
H/C		Unstocked		**Forest Use**	**I**	**E**
lass	**%**	**Condition**	**%**	Type	%	%
	22	Good		Grazing		22.22
ure	78	Average	89	Shokshing		
		Poor	11	Lopping		
ature		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
	22	Stable	56	High		
ate	78	Moderate	44	Moderate	100	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													

Quercus spp.	825	707	126	14	2	4	3	2				**151**	34
Schima spp.	157	157	101	14	5	3						**122**	28
Walnut													
Other Broadleave	629	707	101	54	5	4	5	1				**170**	38
Conifer spp.													
Total	**1611**	**1572**	**327**	**81**	**12**	**11**	**7**	**3**				**442**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Almus and Albezia species only.

Production Potential (N, Volume)						No of trees removed each year										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	30	1	100	58												
	Firewood																
30-49	Cham																
	Firewood																
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			Area in ha implemented per year										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	33.3	27												
Thinning	22.2	18												
Felling (firewood)	33.3	27												
Felling (timber)	22.2	18												
No activity	11.1	9												

Assessment carried out by	Lungten Dorji	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Sherabling area	Block No	5	Comp.No	5(K)

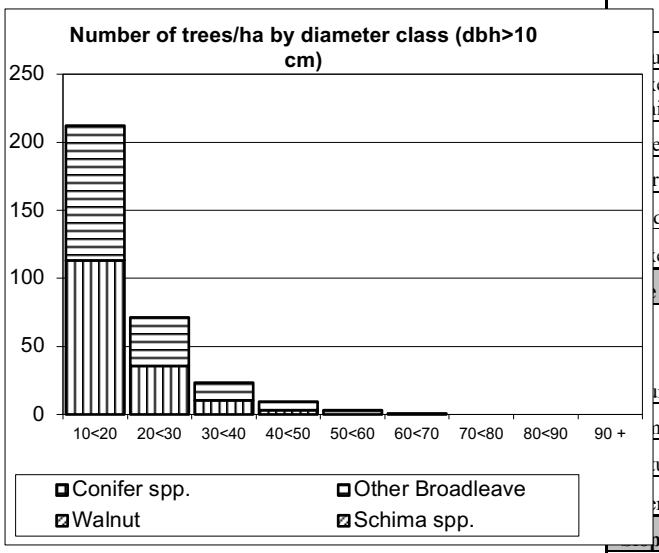
Areas in ha

Non Production	50.0	Protection		In-accessible	25.0	Production	25.0

Forest Composition and Description

The stand type is even aged which dominated by Albezia species and Alnus in upper area. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	12.0
Tot. Vol. (m3/ha)	75.4
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+fir ew.	A	S
Hemlock		Plantation		Type	%	%
		Natural	100	Firewood	25	50
uce		Coppice		Bamboo		
ed ifer		**Canopy**	**%**	Cane		
e Pine		Dense		Daphne		
r Pine		Closed	75			
dwood	100	Open				
ed H/C		Unstocked	25	**Forest Use**	**I**	**E**
e Class	**%**	**Condition**	**%**	Type	%	%
ng		Good	13	Grazing		50.00
nature	88	Average	63	Shokshing		
ure	13	Poor	25	Lopping		
rmature		**Site Characteristics**				
pe	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
Gentle		Stable		High		
Moderate	100	Moderate	100	Moderate	100	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													

Michelia spp.													
Persea spp.													
Quercus spp.	796	796	113	36	10	3		1				**163**	51
Schima spp.													
Walnut													
Other Broadleave	663	619	99	36	13	6	3					**157**	49
Conifer spp.													
Total	**1459**	**1415**	**212**	**71**	**23**	**9**	**3**	**1**				**320**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing			52													
	Firewood	26	1		52												
30-49	Cham			48													
	Firewood	39	2		48												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	25.0	14												
Thinning	37.5	21												
Felling (firewood)	75.0	43												
Felling (timber)	25.0	14												
No activity	12.5	7												

Assessment carried out by	Sangay Wangchuk	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Sherabling area	Block No	5	Comp.No	5(M)

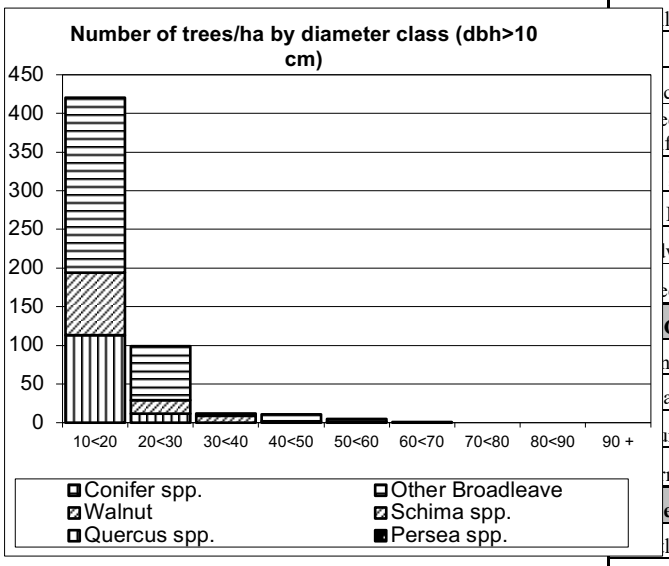
Areas in ha

Non Production		Protection		In-accessible		Production	43.8

Forest Composition and Description

The stand type is even aged which dominated by Albezia species and Alnus in upper area. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	16.6
Tot. Vol. (m3/ha)	93.8
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
lock		Plantation		Type	%	%
		Natural	100	Firewood		
ce		Coppice		Bamboo		
ed fer		**Canopy**	**%**	Cane		
Pine		Dense		Daphne		
Pine		Closed	43			
wood	100	Open	29			
ed H/C		Unstocked	29	**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
ng	14	Good		Grazing		
ature	86	Average	57	Shokshing		
ure		Poor	43	Lopping		
rmature		**Site Characteristics**				
e	**%**	**Erosiveness**	**%**	**Soil Cover**	**%**	
le	43	Stable	43	High		
Moderate	57	Moderate	57	Moderate	71	
Steep		Unstable		Low	29	

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.													
Exbucklandia													
Litsea spp.													
Michelia spp.													
Persea spp.													
Quercus spp.	152	253	113	12								**125**	23
Schima spp.		152	81	17	9	2	1					**110**	20

Walnut													
Other Broadleave	303	758	226	70	3	9	4	1				**313**	57
Conifer spp.													
Total	**455**	**1162**	**420**	**99**	**12**	**11**	**5**	**1**				**548**	100

Future Management & Monitoring of Activities

The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

Production Potential (N, Volume)						**No of trees removed each year**										Total	%
	Product size	N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing			45													
	Firewood	158	4		311												
30-49	Cham			55													
	Firewood	366	8		376												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting														
Thinning	6.3	33												
Felling (firewood)	6.3	33												
Felling (timber)														
No activity	6.3	33												

Assessment carried out by	Sangay Wangchuk	**Year:**	2020

Annex 2

Compartment Register

Sub-Compartment Record

Geog	Chudzom	Block	Mongarling A	Block No	5	Comp.No	5(N)

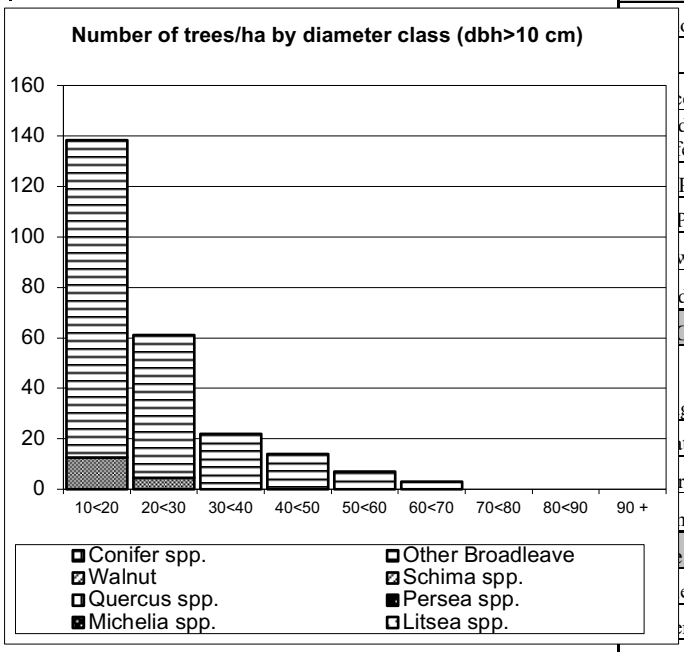
Areas in ha

Non Production	43.8	Protection		In-accessible	31.5	Production	81.0

Forest Composition and Description

The stand type is even aged which dominated by Albezia species and Alnus in upper area. The Wild life present there are wild pig, Barking deer, and Rhesus Macaque.

Stand data	
Bas. Area (m2/ha)	12.4
Tot. Vol. (m3/ha)	80.6
Vconifer %	



Forest Type	%	Stand Type	%	NWFP+firew.	A	S
ock		Plantation		Type	%	%
		Natural	100	Firewood		67
e		Coppice		Bamboo		
d er		**Canopy**	**%**	Cane		
Pine		Dense	6	Daphne		
Pine		Closed	83			
wood	100	Open	6			
d H/C		Unstocked	6	**Forest Use**	**I**	**E**
Class	**%**	**Condition**	**%**	Type	%	%
g	17	Good	6	Grazing		22.22
ture	83	Average	89	Shokshing		
re		Poor	6	Lopping		
mature		**Site Characteristics**				
	%	**Erosiveness**	**%**	**Soil Cover**	**%**	
e	11	Stable	67	High	17	
rate	89	Moderate	33	Moderate	83	
Steep		Unstable		Low		

Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.													
Cinnamomum spp.		39	13	5								**17**	7
Exbucklandia													
Litsea spp.													
Michelia spp.													

Persea spp.													
Quercus spp.													
Schima spp.													
Walnut													
Other Broadleave	629	727	126	57	22	14	7	3				**228**	93
Conifer spp.													
Total	**629**	**766**	**138**	**61**	**22**	**14**	**7**	**3**				**245**	100

Future Management & Monitoring of Activities

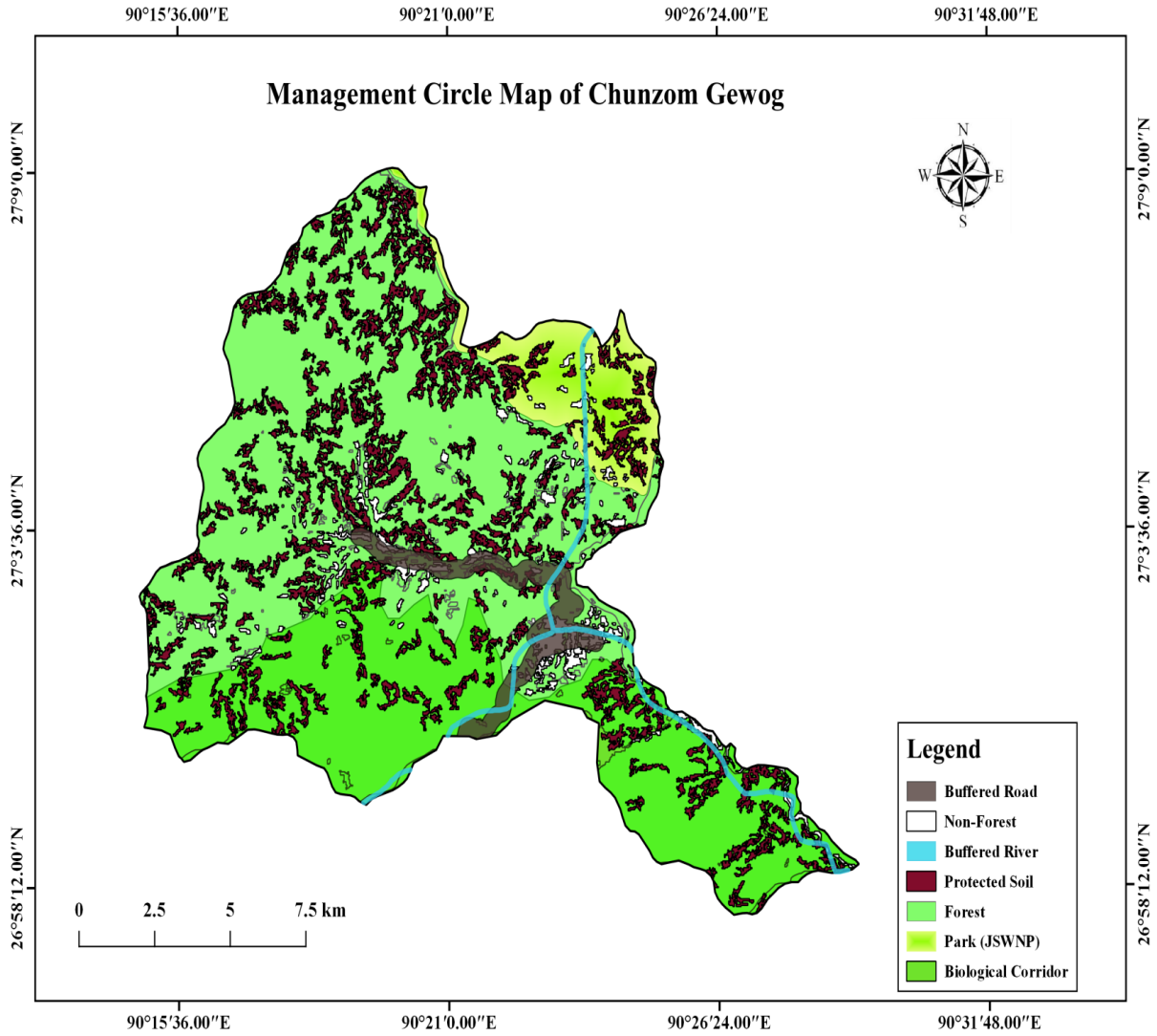
The felling for timber and fire wood can be done in this sub-compartment since it is dominated by Alnus and Albezia species only.

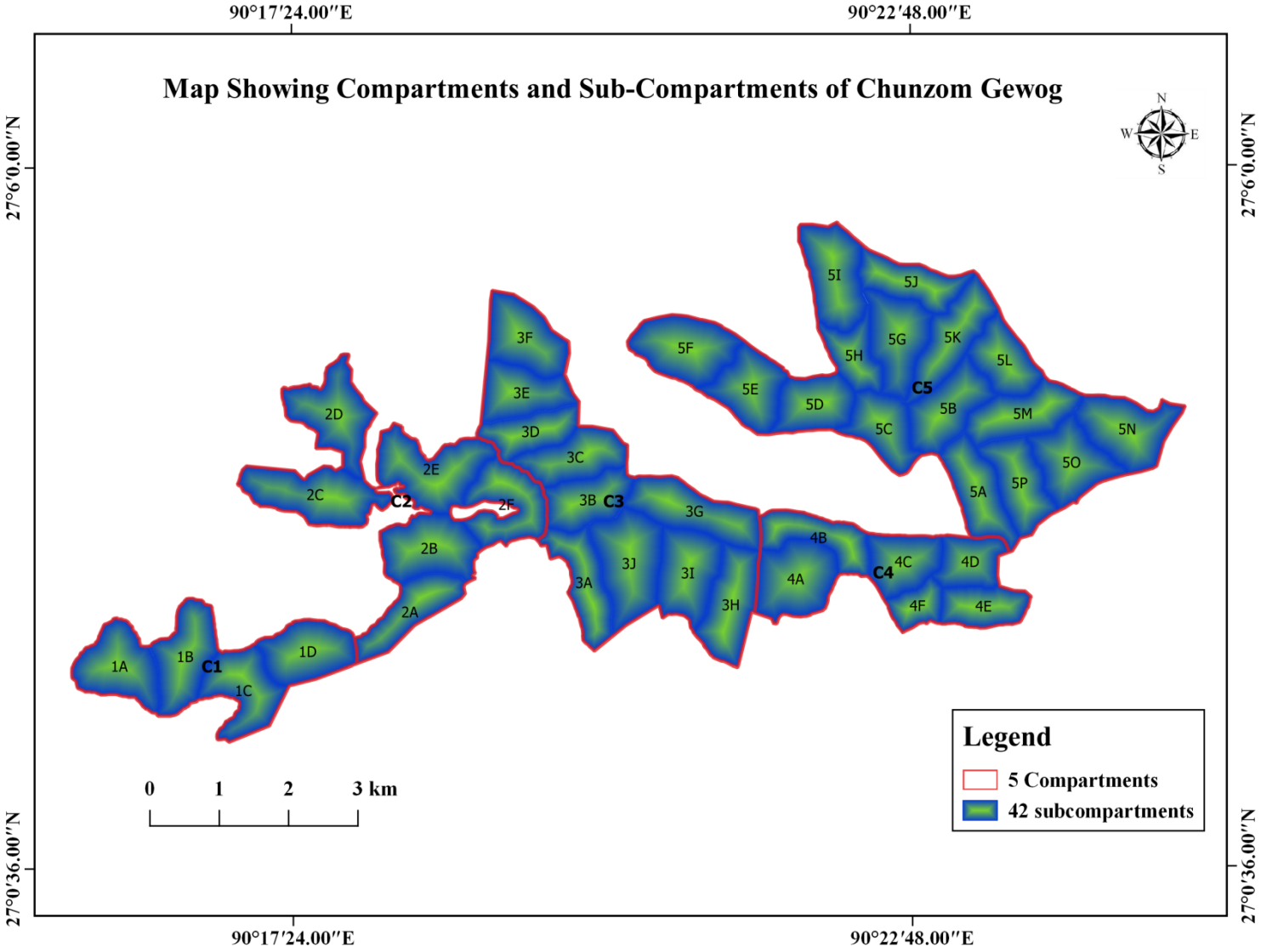
Production Potential (N, Volume)						**No of trees removed each year**										Total	%
Product size		N total	N /ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
>50	Drashing	157	2	60	394												
	Firewood	347	4		767												
30-49	Cham			40													
	Firewood	659	8		759												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																

Silvicultural Measures			**Area in ha implemented per year**										Total	%
Measure	Area (ha)	in %	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Planting	17.4	7												
Thinning	104.2	40												
Felling (firewood)	26.0	10												
Felling (timber)	104.2	40												
No activity	8.7	3												

Assessment carried out by	Tenzin Jamtsho	**Year:**	2020

Annex 3
Forest Management Map




Map Showing Compartments and Sub-Compartments of Chunzom Gewog
90°17′24.00″E
90°22′48.00″E
27°6′0.00″N
27°0′36.00″N
N
S
E
W
C1
C2
C3
C4
C5
1A
1B
1C
1D
2A
2B
2C
2D
2E
2F
3A
3B
3C
3D
3E
3F
3G
3H
3I
3J
4A
4B
4C
4D
4E
4F
5A
5B
5C
5D
5E
5F
5G
5H
5I
5J
5K
5L
5M
5N
5O
5P
0
1
2
3 km
Legend
5 Compartments
42 subcompartments

དཔལ་ལྡན་ འབྲུག་གཞུང་། སོ་ནམ་དང་ནགས་ཚལ་སྐྱབ་ལས་ཁག། ནགས་ཚལ་དང་སྐྱོང་ཀ་ཞབས་ཏོག་ལས་ཁུངས།
གསར་སྒང་མངའ་སྡེ་ནགས་ཚལ་ཡིག་ཚང་།
Ministry of Agriculture and Forests
Department of Forests and Park Services
Divisional Forest Office, Sarpang

SFD/RAMS/3/2019-20/1618

6th March, 2020

OFFICE ORDER

Divisional Forest Office, Sarpang would like following individuals to proceed for carrying out survey for Local Forest Management Planning under Chudzom gewog, Sarpang with effect from 9th March 2020 till 25th March, 2020. The individuals nominated are:

Sl.no	Name	Remarks
1	Sangay Dorji, SFR-I	**Team Leader**
2	Chophel, SFR III	
3	Sangay Nidup, SFR III	
4	Tenzin Jamtsho, FR II	
5	Sangay Wangchuk, FR II	
6	Lungten, Sr. Fr	
7	Sonam Penjor, Sr. Fr	
8	Birkha Bahadur Chettri, Sr.Fr	

TADA for the same will be met from the budget available for LFMP within the Division. This is for information and necessary action.

Phub Dhendup,
Chief Forestry Officer.

Chief Forestry Officer
Divisional Forest Office
Sarpang : Bhutan

Copy:

1. Range Officers, Range Office, Gelephu and Sarpang to relieve the above officials.
2. Adm., Divisional Forest Office, Sarpang for information.
3. Accountant, Divisional Forest Office, Sarpang for information.