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ལོ་ནམ་དང་ནགས་ཚལ་ལྷན་ཁག། ལྗགས་ཚལ་དང་སྤྲོད་ཀ་ཞབས་ཏྲིག་ལས་ཁུངས།
Royal Government of Bhutan
Ministry of Agriculture and Forests
Department of Forests and Park Services
Divisional Forest Office
Thimphu: Bhutan



**LOCAL FOREST MANAGEMENT PLAN
FOR
AREAS OUTSIDE FMUs
AND
PROTECTED AREAS**

**CHANG GEWOG
THIMPHU DZONGKHAG**

Plan Period: 1st JULY 2020 TO 30th JUNE 2030

Prepared by:
Lhaba,
Forestry Officer,
Thimphu Forest Division.

AUTHORITY FOR PREPARATION, REVISION AND APPROVAL

PERIOD OF THE PLAN

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

AUTHORITY FOR PREPARATION, REVIEW AND APPROVAL

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

APPROVAL

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

Prepared by



Lhaba
Thimphu Forest Division

Checked and recommended for approval:



Chief Forestry Officer
Thimphu Forest Division

Technically reviewed and recommended for approval:



(Chief Forestry Officer)
Forest Resources Management Division
Date.....

Recommended for approval:



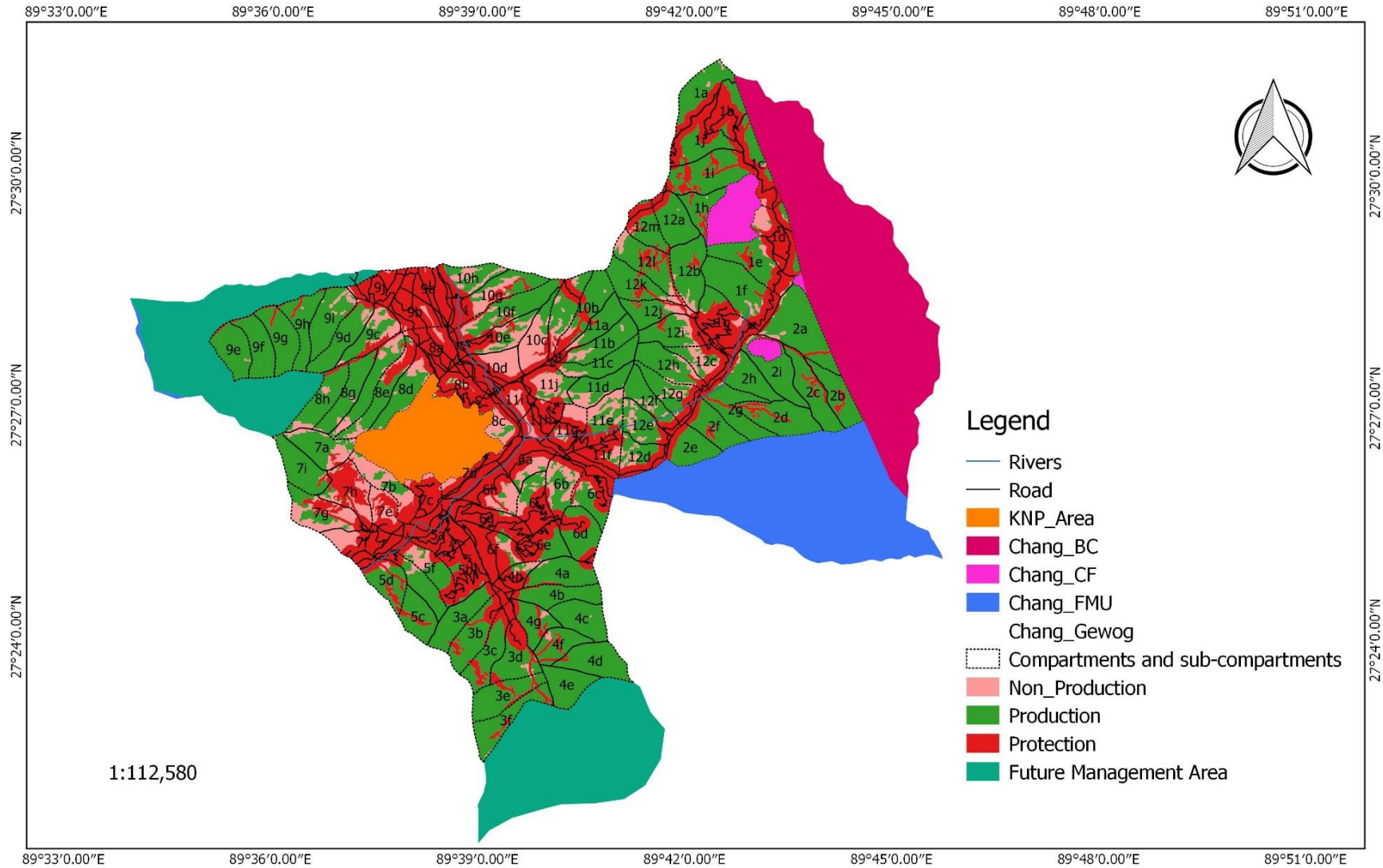
Director
Department of Forest and Park Services
Date.....

APPROVED:



(SECRETARY)
Ministry of Agriculture and Forests
Date:.....

Local Forest Management Area, Chang Gewog, Thimphu



Prepared by: Lhaba, Sr. FO Thimphu Division, DoFPS

Summary Results for Forest Management Area:

Chang

Unit	Area Distribution				
	Non Forest	Protection	Inoperable	Production	Total
ha	845.5	2143.3	406.4	4516.3	7911.5
%	11%	27%	5%	57%	100%

Average basal area (m2/ha)	Aver. Stand Volume (m3/ha)	No of operable sample plots
15.9	116	1115

Unit	Forest Type Distribution								
	Hemlock	Fir	Spruce	Mix. Con.	Bluepine	Chirpine	Hardwood	Mixed HC	Total
%	2%	6%	7%	37%	36%	0%	5%	8%	100%
Unit	Age distribution					Stand type distribution			
	young	immature	mature	Overmature	Total	plantation	natural	coppice	Total
%	30%	35%	34%	1%	100%	0%	100%	0%	100%
Unit	Canopy closure					Condition			
	dense	closed	open	unstocked	Total	good	average	poor	Total
%	1%	40%	58%	1%	100%	62%	37%	1%	100%

Unit	Site Condition								
	Slope			Erosiveness			Soil Cover		
	gentle	moderate	steep	stable	moderate	unstable	high	moderate	low
%	58%	35%	7%	64%	34%	2%	44%	53%	3%

Unit	Forest Use					
	Intensive Side Uses			Extensive Side Uses		
	grazing	sokshing	lopping	grazing	sokshing	lopping
ha	558.8	0.0	0.0	3380.6	0.0	0.0
%	12%	0%	0%	75%	0%	0%

Unit	NWFP Occurrence and Firewood							
	NWFP abundant				NWFP sparse			
	Firewood	Bamboo	Cane	Daphne	Firewood	Bamboo	Cane	Daphne
ha	997.4	357.0	0.0	7.5	2472.0	392.9	0.0	293.5
%	22%	8%	0%	0%	55%	9%	0%	6%

Unit	Management Options					
	No activity	Improv.	Timber	Firewood	Silvopast.	Shokshing
	ha	0.0	0.0	0.0	0.0	0.0
%	0%	0%	0%	0%	0%	0%

Unit	Potential Production				
	Timber				
	Drashing	Cham	Tsim	Poles,posts	Total
Ntot	32678	86138	132047	513248	764111
N/ha	7	19	29	114	169
m3	111547	84826	42189	50815	289377
m3/ha	24.7	18.8	9.3	11.3	64.1
Unit	Firewood				
	> 49cm	30-49cm	20-29 cm	10-19 cm	Total
	Ntot	4617	20470	59950	254696
N/ha	1	5	13	56	75
m3	15333	19869	19022	19934	74158
m3/ha	3.4	4.4	4.2	4.4	16.4

Unit	Sivicultural Measures			
	Planting	Thinning	Felling	
	ha	54.3	2655.4	1495.6
%	1%	59%	33%	0%

Yield Regulation	
AAC	4674 m3
Prod. Potential / AAC	1.0 m3/ha
	78 years

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1. BACKGROUND

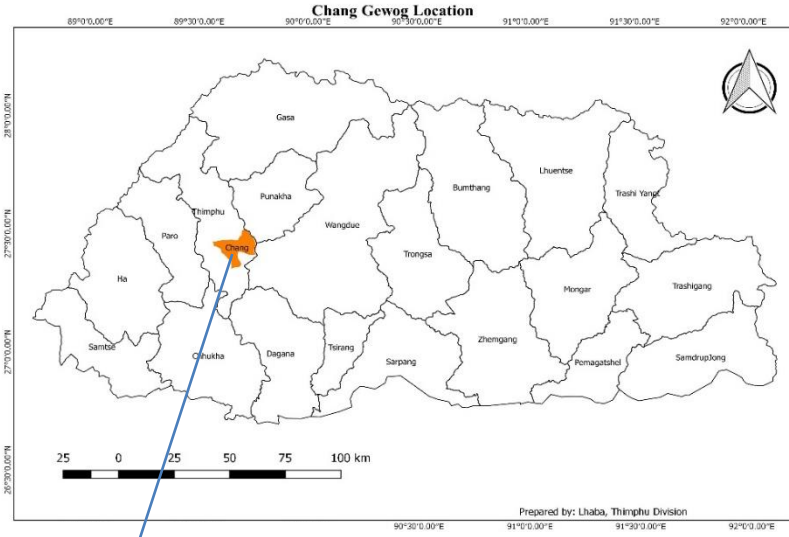
This Forest Management Plan is prepared by Lhaba, Sr. Forest Officer, Thimphu Forest Division. Forest resource assessment was carried out by field staff under the direct supervision of the Chief Forest Officer, Thimphu Forest Division, from late May 2018 and completed the assessment in October 2019. The objective of this plan is to regulate timber supply from Chang Forest Management Area on sustainable basis. This plan is prepared for a period of 10 years from 1st July 2020 to 30th June 2030.

1.1 Location and Extent

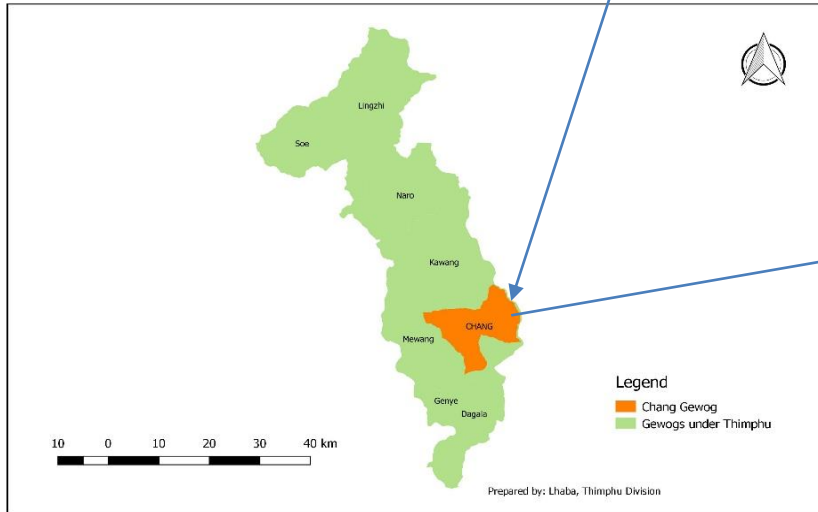
Chang Gewog is one of the eight gewogs under Thimphu Dzongkhag situated between the latitudes N27°21'36" and N27°28'48", and longitudes E89°34'48" and E89°49'12". Chang Gewog has a total area of 15687.66 hectare of which 7911.50 hectare shall be managed under this plan and excludes the areas that are already managed under Forest Management Unit, Community Forest, biological corridor, Kuenselphodrang Nature Park. It also excludes those inaccessible forest areas that are currently put under Future Management Category as tabulated here under:

Management Regime	Name	Area (Ha)
Chang Gewog		15687.66
Biological Corridor	Biological Corridor (BC 2)	1771.90
Nature Park	Kuenselphodrang Nature Park (KNP)	492.79
Forest Management Unit	Chamgang Forest Management Unit (CFMU)	1586.31
	Gidagom Forest Management Unit (GFMU)	15.16
Community Forest	Samden Community Forest	150.32
	Tendrelgang Community Forest	30.61
	Tashi Pelkhil Community Forest	78.41
Other	Future Management Area	3650.66
Sustainable Management Area		7911.50

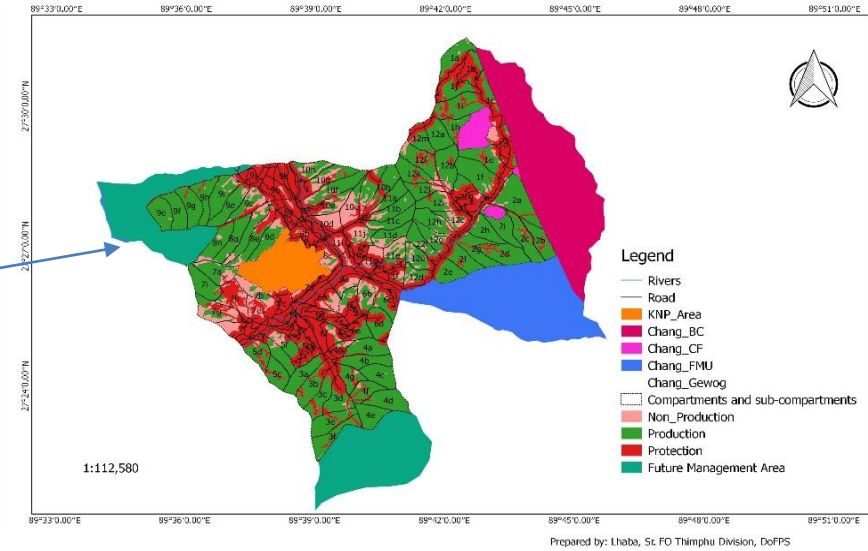
Chang Gewog Location Ma



Gewogs under Thimphu Dzongkhag



Local Forest Management Area, Chang Gewog, Thimphu



1.2 Land Use and Forest Types

Area statement by Land Use and Forest Types of Chang Gewog (LULC2016)

Land Use	Area (Ha)	Percent Area
Blue pine	5191.95	47.19
Broadleaf	7.77	0.07
Fir	659.8	6.00
Mixed Conifer	2648.42	24.07
Shrubs	1420.61	12.91
Built up area	249.39	2.27
Chuzhing	23.72	0.22
Kamzhing	94.28	0.86
Meadows	332.07	3.02
Non-built up	4.73	0.04
Orchard	310.4	2.82
River	58.56	0.53
		100

According to the Land Use and Land Cover of Bhutan 2016, majority of Chang Gewog is covered by blue pine forest (47.19%) followed by mixed conifer forest (24.07%).

Land Use and Forest Types, Chang Gewog, Thimphu

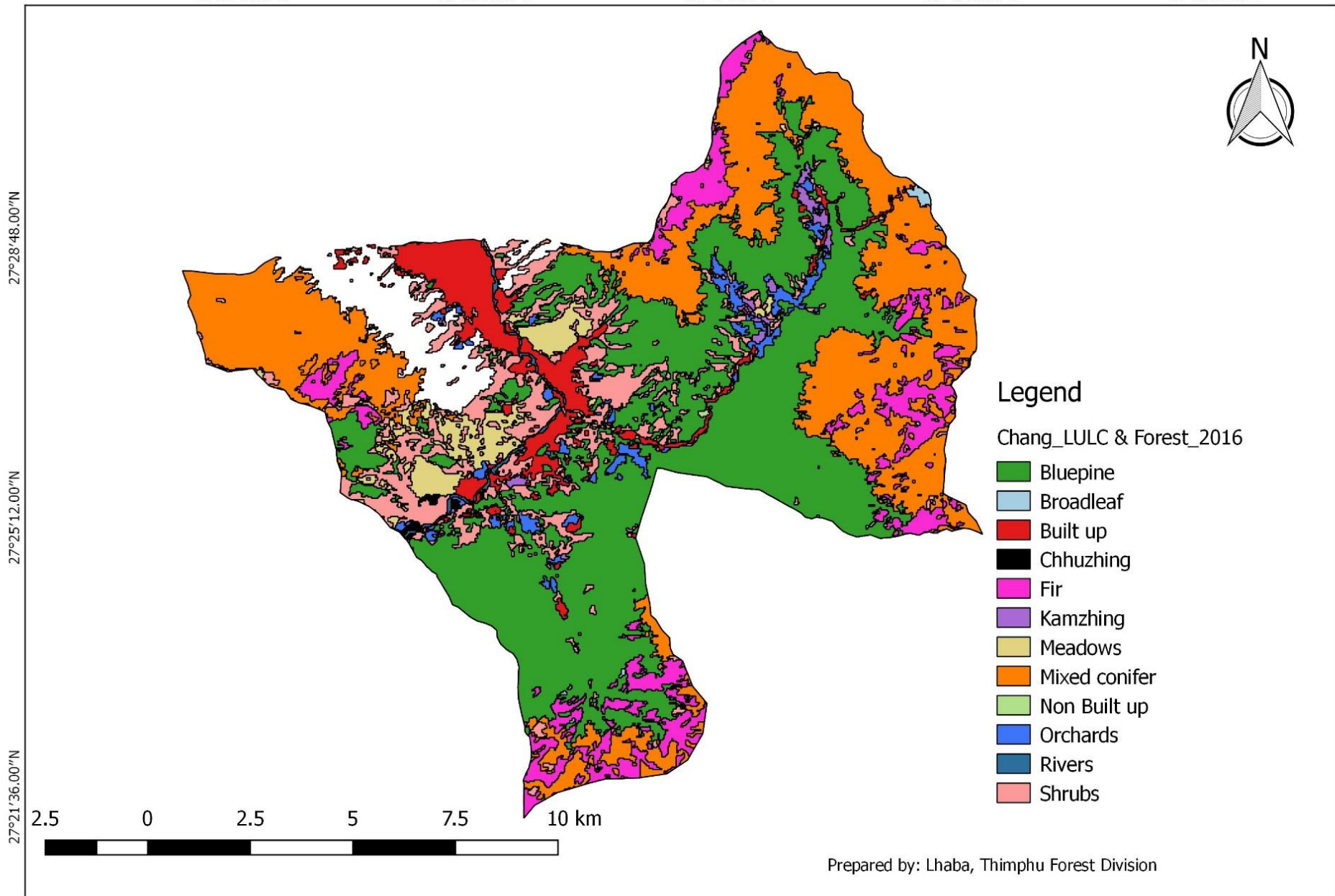
89°34'48.00"E

89°38'24.00"E

89°42'0.00"E

89°45'36.00"E

89°49'12.00"E



89°34'48.00"E

89°38'24.00"E

89°42'0.00"E

89°45'36.00"E

89°49'12.00"E

Prepared by: Lhaba, Thimphu Forest Division

2. THE FOREST MANAGEMENT AREA

2.1. The Area

The forest management area covers the forested land of Chang Gewog mostly falling within temperate zone according to eco-floristic zonation of Bhutan. It is predominated by blue pine forest followed by mixed conifer. The management area also has fir forest at higher elevations such as Hongtsho, Depsiringu and Changgidaphu. The other management regimes in place include biological corridor (BC2), community forest, nature park and forest management unit (FMUs). So the areas with management regime including areas which are currently not accessible are excluded from this plan and the details are as tabulated here under:

Areas excluded from this management plan

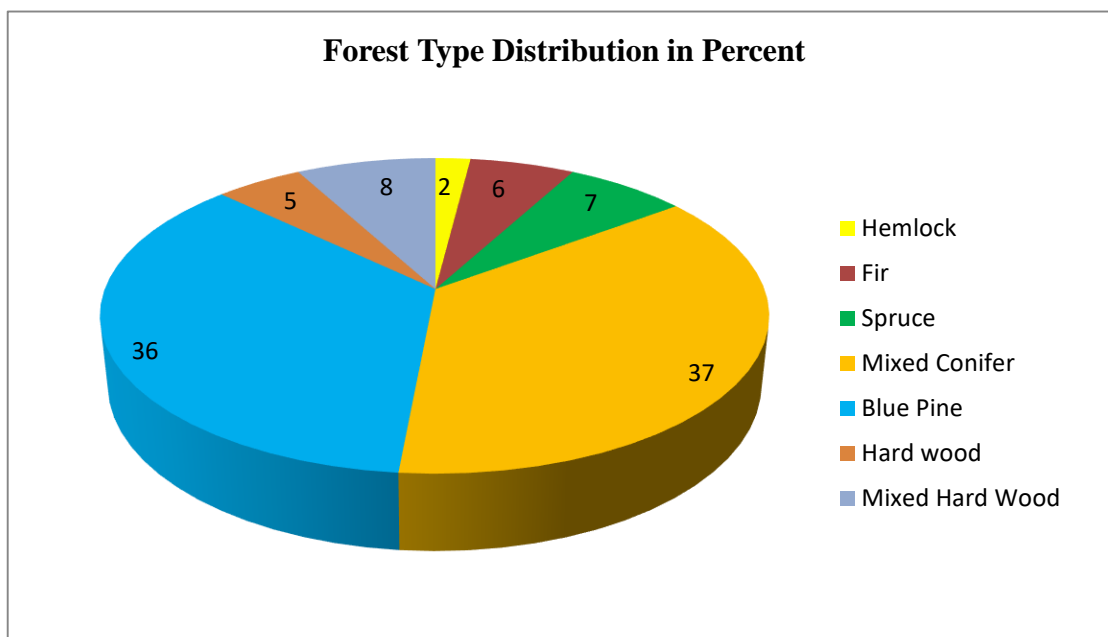
Management Regime	Name	Area (Ha)
Biological Corridor	Biological Corridor (BC 2)	1771.90
Nature Park	Kuenselphodrang Nature Park (KNP)	492.79
Forest Management Unit	Chamgang Forest Management Unit (CFMU)	1586.31
	Gidagom Forest Management Unit (GFMU)	15.16
Community Forest	Samden Community Forest	150.32
	Tendrelgang Community Forest	30.61
	Tashi Pelkhil Community Forest	78.41
Other	Future Management Area (inaccessible areas)	3650.66

Forest management area is 7911.50 ha, which comprises of

Zone	Area (Ha)
Non Forest Area	845.5
Protection Zone	2143.3
Inoperable Area	406.4
Production Zone	4516.3
Total	7911.5

2.2. Forest Type and Condition

Majority of the management area falls within blue pine zone. However it is predominated by mixed conifer forest at higher elevation. The condition of the forest is good (62%) to average (37%). Hardly 1% of the forest is assessed as poor. Forest type distribution with its condition and canopy closure for each compartment is reflected under Annexure. The average standing volume is assessed as 116 m³/ha and similarly the average basal area is 15.9 m²/ha. The forest within the management area has almost proportionate age distribution by percent (young = 30%; Immature = 35% and mature = 34%) It has over mature forest hardly more than 1%. The entire management area is a natural forest (100%) and the general distribution of the forest type within the management area is as illustrated in the graph below.



2.3. Site and Forest Function

The site condition for each compartment or sub-compartment is provided under Annexure 1 and Annexure II respectively. However the general or average site condition of the management area is as tabulated here under:

Slope	Percent	Erosiveness	Percent	Soil Cover	Percent
Gentle	58	Stable	64	High	44
Moderate	35	Moderate	34	Moderate	53
Steep	07	Unstable	02	Low	03

The site condition within the management area is relatively good with most of the area falling within gentle and stable category with less than 7 percent steep area. The area has also high to moderate soil cover hardly prone to erosion after the timber extraction.

2.4. Accessibility

The potential timber extraction sites or the potential production areas are quite accessible by motorable road. However there are also few potential areas which are accessible by road but with certain restriction. So these areas are put under Future Management Area despite huge production potential.

3. NWFP AND OTHER FOREST USES

The occurrence or distribution of NWFP in the management area by compartment and sub-compartment is shown as provided under Annexure I and II. The general occurrence or distribution of NWFP in the management area along with its use as is as tabulated here under:

NWFP	Abundant (%)	Sparse (%)	Forest Uses	Intensive (%)	Extensive (%)
Bamboo	8	9	Grazing	12	75
Cane			Sokshing		
Daphne		6	Lopping		

89°33'36"E

89°36'36"E

89°39'36"E

89°42'36"E

89°45'36"E

89°48'36"E

Road Network within Chang Gewog



27°30'36"N

27°30'36"N

27°27'36"N

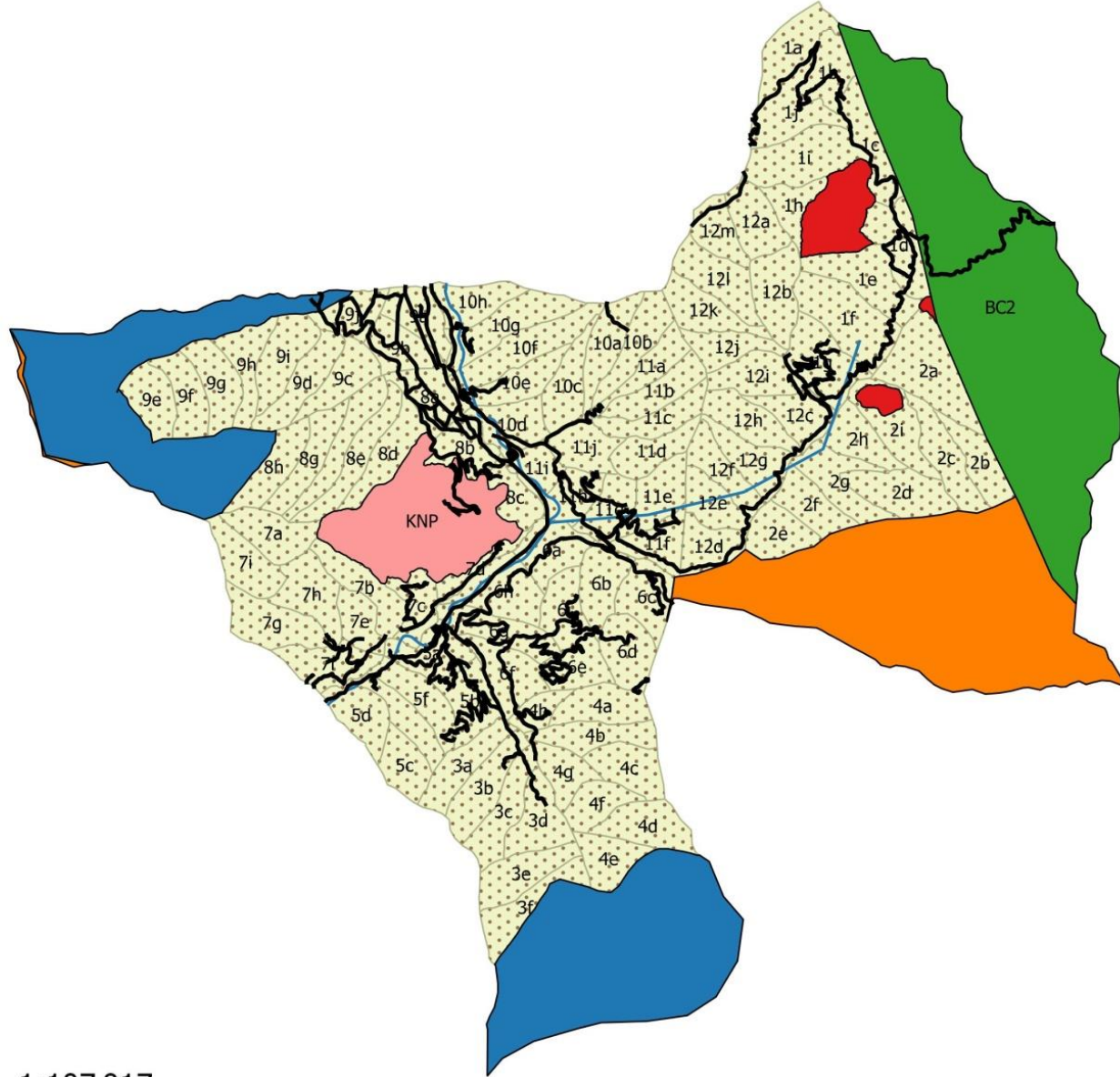
27°27'36"N

27°24'36"N

27°24'36"N

27°21'36"N

27°21'36"N



Legend

- Chang_Road
- Chang_River
- Chang_BC
- Chang_CF
- Chang_FM U
- Kuenselphodrang Nature Park
- Future Management Area
- Compartment1
- Compartment2
- Compartment3
- Compartment4
- Compartment5
- Compartment6
- Compartment7
- Compartment8
- Compartment9
- Compartment10
- Compartment11
- Compartment12

1:107,917

Prepared by: Lhaba, Thimphu Division

89°33'36"E

89°36'36"E

89°39'36"E

89°42'36"E

89°45'36"E

89°48'36"E

4. SOCIAL DATA

Majority of area under Chang Gewog falls within Thimphu Thromde and the households within the Thromde are not eligible for rural subsidized timber as these structures built within the Thromde are not for personal dwelling. Since demand for rural subsidized timber is dependent on number of households, it is vital to mention the number of households in each of five chiwogs under Chang Gewog.

Chiwog	Number of households	Remarks
Depsi	70	Compartment 7
Gangchep Talakha	23	
Hongtsho	102	Compartment 1
Rama	36	
Yusipang	46	Compartment 12
TOTAL	277	

5. FUTURE MANAGEMENT

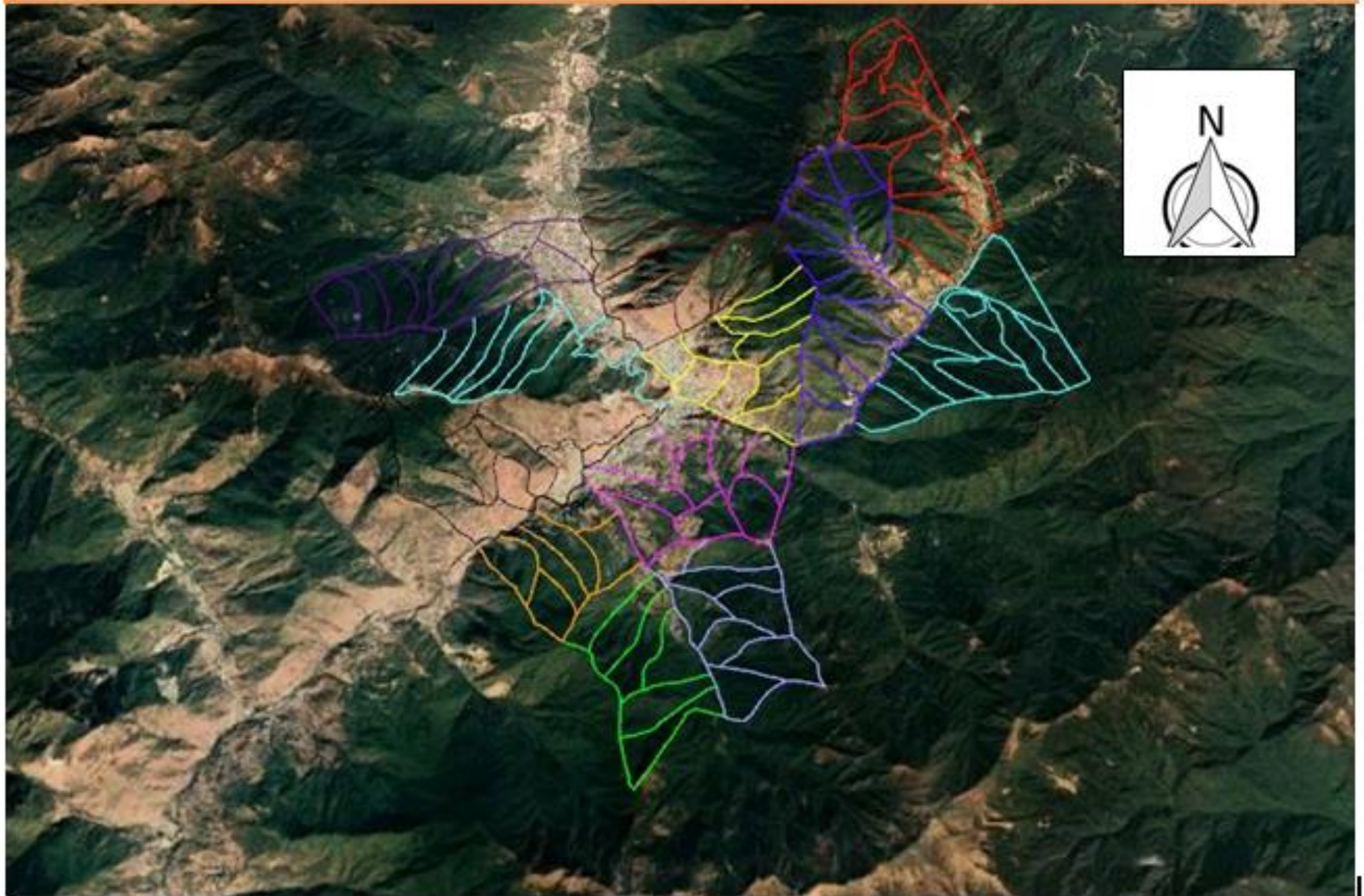
5.1. Management Options

The dominating forest management option is timber supply mainly for rural requirement. Higher elevations and areas with limited road network are still rich in timber. Of the twelve compartments, compartment 8 (Changgidaphu) compartment 3 (Ngabiphu) and compartment 12 (Yusipang) have good timber stock. Similarly at the sub-compartment level, 3c, 5c, 5e, 7a, 8g, 8h, 12a, 12b, 12l and 12m have good timber stock with basal area ranging from 22.6 to 28.6 m² and volume ranging from 183 to 258 m³ per hectare. However, there are also sub-compartment with basal area as low as 8m² per hectare and volume as low as 14.2 m³ per hectare in 4c, 4h, 6b, 6f, 7g, 10e, 10h, 11j and 12g. So these areas may not be feasible for immediate timber allotment.

5.2. Tree Marking and Silviculture

Tree marking is done in accordance with the “Tree Marking Guidelines” and the “Silvicultural Guidelines” prescribed by the Department of Forest and Park Services. The silvicultural system to be applied is single tree selection system. The principle of negative selection shall be applied in all tending and thinning operations. Marking of mature trees for felling shall be permitted only when the immediate vicinity is sufficiently regenerated and the regeneration can grow up with low grazing pressure.

CHANG LOCAL FOREST MANAGEMENT AREA (July 2020 - June 2030)



6. YIELD REGULATION

The sustainable annual allowable cut AAC_{sust.} for the management area is calculated as follows:

$AAC_{sust.} = \text{total standing volume} / \text{average rotation period} = 4674 \text{ m}^3/\text{year}$

Taking into account the forest type distribution the average production period for the forest management area is 78 years. The total standing volume is 363535 m³.

The overall production potential as determined by the forest resources assessment is 363535 m³. Dividing the overall production potential by the planning period of 10 years gives the silvicultural AAC:

$AAC_{silv.} = \text{total production potential} / 10 \text{ years} = 36354 \text{ m}^3/\text{year}$

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 Chang Forest Management Area is therefore fixed at 4674 m³.

The AAC per ha is 1 m³.

Taking into account the fixed AAC of 4674 m³ then the total production potential of the forest management area will be used in a period of about $363535/4674 = 78$ years. As this period is considerably longer than the planning period of 10 years, there will be no shortage in the availability of wood during the planning period.

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							Total
	Hemlock	Fir	Spruce	Mix. Con.	Blue pine	Hard wood	Mixed HC	
Proportion	2%	6%	7%	37%	36%	5%	8%	100%
Rotation period	130	140	130	120	90	130	120	112

AAC _{sust.} = standing volume/rotation period	4674	m ³
	1.0	m ³ /ha
AAC _{silv.} = prod. Potential/10 years	36354	m ³
	8	m ³ /ha
AAC _{fixed}	4674	m ³
	1.0	m ³ /ha

Prod. Potential/AAC =	78	years
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7. DEMAND/SUPPLY ASSESSMENT

Rural timber demand of Chang Gewog (excluding allotments made from FMU and Community Forests) is calculated as the average of the actual wood allotment from 2015 to 2019. The data were derived from the “G2C data base” maintained at 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 (78 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	Silviculture Annual Potential	Sustainable Annual Supply Potential*	Annual Demand	Annual Supply
Drashing/Shinglep	32678	3267.8	418.94	98	320.94
Cham	86138	8613.8	1104.33	-	1104.33
Tsim	132047	13204.7	1692.91	-	1692.91
Poles/Post	515248	51524.8	6605.74	391	6214.74

Remarks: (*) Total Production Potential is divided into 78 years

Looking at the mean Annual Demand assessed for past five years (2015-2019), supply of Drashing size timber can be made without any shortage from the management area provided eligible households are willing to take the timber from any compartment without choice over marking sites. The average annual demand assessed for past five years also indicates that there isn't much demand for rural timber from areas outside the FMUs and Community Forest. This could be due to existence of community forest from where certain rural timber allotments are met.

It also appears that there wasn't any demand for Cham and Tsim size timber over the past five years. However it is not true and the very reason for such data is because of the fact that timber allotments were given in lump sum volume ie 4000 cft for new construction and 2000 cft for renovation as per FNCRR 2017. So in a nut shell, demand for Drashing, Cham and Tsim size timber placed by genuinely eligible rural households under Chang Gewog can be met from this management area.

Looking at the demand and supply potential for poles/post, the figure indicated in the table shows that supply of poles/posts far exceeds demand. However it is not true because demand assessed here covers only those allotments that are routed through G2C and does not cover those allotments made on adhoc basis such as flag poles for death cases and poles allotment for chadri. So allotment of poles may need further demand assessment capturing the allotments made without routing through G2C.

Firewood demand is calculated in truckloads. To compare it with the supply potential it is assessed in terms of standing volume. The conversion factor considered is as follows:

1 truckload is equivalent to 8m³ standing volume.

Firewood Demand/Supply Scenario in m³

Total Production Potential (volume in m ³)	Annual Supply Potential*	Annual Demand	Annual Supply
74158	950.74	1760	-809.26

Average firewood demand placed by local communities/rural residents of Chang

Gewog in a year as per G2C data base is 20 truckload or equivalent to 160m³. So looking at the rural demand and supply potential of the management, the firewood demand can be met without any shortage. However, Chang Gewog faces severe demand for firewood applied for cremation purpose amongst other commercial supplies and therefore demand exceeds far beyond the supply potential. To meet this gap, firewood for cremation purpose should be made available from few outlets to be identified by the Department/Ministry in consultation with the authorized agency. Unless such arrangements are put in place, firewood supply shall remain shortage due to increasing demand especially for cremation purpose.

8. MONITORING

Monitoring is important for proper regulation of AAC. Each tree, which is marked for felling must be recorded in the tree marking book and accounted for Annual Allowable Cut.

Explanations of abbreviations used in the compartment records

A	abundant occurrence of NWFP
Bas. Area (m ² /ha)	basal area per ha of the sub-compartment
Dbh	diameter at 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
Ntotal	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

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

Annexure 1: Compiled Results by Compartment

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

Comp		Sub-Compartment	Area Distribution (ha)					BA	No. of Plots
No.	No.	Name	Non Forest Area	Protection	Inoperable	Production	Total	(m ² /ha)	
1	1a	Hongtsho	2.4		5.4	97.9	105.7	15.9	18
1	1b	Hongtsho		62.5	6.2	15.5	84.2	12.4	5
1	1c	Hongtsho	2.9	57.9		30.4	91.2	21	6
1	1d	Hongtsho	19.6	78.2		13.2	111	20.7	3
1	1e	Hongtsho	5.8	44.5		79.4	129.7	11.6	5
1	1f	Hongtsho	5.5	38.3	4.1	119.4	167.3	13.6	29
1	1g	Hongtsho	4.2	104.2		22.9	131.3	9.1	20
1	1h	Hongtsho	0.2	9	11.8	39.2	60.2	9.6	10
1	1i	Hongtsho		48.5	52.4	52.5	101	12	12
1	1j	Hongtsho	0.1	62.5	12.9	38.6	114.1	11.6	9
2	2a	Yusipang Phakha	6.7	9.6	13.2	149.7	179.2	10.5	34
2	2b	Yusipang Phakha	8.6	6.7		67.2	82.5	15.5	20
2	2c	Yusipang Phakha		15.5	4.2	83.4	103.1	14.9	20
2	2d	Yusipang Phakha		14.8	15.8	86.9	117.5	12.6	22
2	2e	Yusipang Phakha		14.4	7.9	62.9	85.2	14.8	16
2	2f	Yusipang Phakha		14.4	12.3	57.5	84.2	14.7	14
2	2g	Yusipang Phakha	0.4	11.8	18.5	73.9	104.6	13.7	20
2	2h	Yusipang Phakha	1.4	6.9	12.1	60.7	81.1	13.6	15
2	2i	Yusipang Phakha	1.7	5.8	8.6	77.6	93.7	10.2	18
3	3a	Ngabiphu		8.3	8.7	78.6	95.6	18.1	18
3	3b	Ngabiphu		34.6	14.9	59.7	109.2	17.5	16
3	3c	Ngabiphu		32.9	4	64.1	101	22.6	16
3	3d	Ngabiphu	2.5	61.1		38.1	101.7	20.4	15
3	3e	Ngabiphu	0.3	13.1		89	102.4	19.1	23
3	3f	Ngabiphu	0.9	11.2	11.6	69.4	93.1	21.6	18
4	4a	Serbithang	2.1	10.8		82.5	95.4	10.1	21
4	4b	Serbithang		9.1		79.6	88.7	12.6	21
4	4c	Serbithang	0.4			92	92.4	8	23
4	4d	Serbithang		1.9		103.3	105.2	9.8	26
4	4e	Serbithang		0.4		81.7	82.1	12	21
4	4f	Serbithang	2.1	12	10.4	46	70.5	14.9	9
4	4g	Serbithang	2.3	16.8		51.4	70.5	16.5	11
4	4h	Serbithang	7.3	31		5.7	44	8	1
5	5b	Ramtokto Top	0.1	89.7		7.8	97.6	15	2
5	5c	Ramtokto Top		7.8		69	76.8	26.9	19
5	5d	Ramtokto Top	2.6	9.4		51.3	63.3	16.2	13
5	5e	Ramtokto Top	4.6	15.2		54.9	74.7	23.8	13
5	5f	Ramtokto Top	18.7	35.6		35.8	90.1	14.3	8
6	6b	Talakha	31.3	28.4	25.2	10.1	95	7	2
6	6c	Talakha	6	55.4	8.7	26	96.1	21.7	6
6	6d	Talakha	0.1	35		63	98.1	13.1	17
6	6e	Talakha	0.7	48.5		30.4	79.6	15.7	6
6	6f	Talakha	9.4	86.3	4.4	4.4	104.5	8	1
7	7a	Depsiringu	27.5	66.1	1.2	3.5	98.3	26.6	14
7	7b	Depsiringu	51.7	23.2	4	15.9	94.8	14	4
7	7g	Depsiringu	50.3	28.9	10.2	27.3	116.7	8.3	8
7	7h	Depsiringu	33.7	69.5		6.8	110	12.7	3
7	7i	Depsiringu	1.3	4.3	24.4	65	95	16.4	16
8	8d	Changgidaphu	15.3	13.3	12.8	55.4	96.8	18.2	13
8	8e	Changgidaphu	15.9	27.9	3.4	55.1	102.3	21	16
8	8f	Changgidaphu	22.6	5	15.2	53.3	96.1	20.6	14
8	8g	Changgidaphu	4.5	3.9		83	91.4	24.6	21
8	8h	Changgidaphu	20.3	4.3		77.9	102.5	28.6	20
9	9c	Changgangkha	24.4	18.6		45.5	88.5	9.8	10
9	9d	Changgangkha	5.9	7		86	98.9	10.1	24
9	9i	Changgangkha	9.5	2		94.5	106	15.3	6
10	10a	Samazingkha	16.2	26.4		50.7	93.3	12.3	12

Stand Data of Forest Management Area:				Chang			
Comp	Sub-Compartment		Production area	Basal Area	Volume	Tot. Volume	V conifer
No.	No.	Name	(ha)	(m2/ha)	(m3/ha)	(m3)	(%)
1	1a	Hongtsho	97.9	15.9	102.5	10034.8	94.0
1	1b	Hongtsho	15.5	12.4	75.4	1168.7	71.0
1	1c	Hongtsho	30.4	21.0	114.4	3477.8	78.0
1	1d	Hongtsho	13.2	20.7	112.8	1489.0	65.0
1	1e	Hongtsho	79.4	11.6	64.0	5081.6	66.0
1	1f	Hongtsho	119.4	13.6	88.7	10590.8	65.0
1	1g	Hongtsho	22.9	9.1	71.1	1628.2	95.0
1	1h	Hongtsho	39.2	9.6	77.0	3018.4	100.0
1	1i	Hongtsho	52.5	12.0	89.5	4698.8	97.0
1	1j	Hongtsho	38.6	11.6	92.8	3582.1	97.0
2	2a	Yusipang Phakha	149.7	10.5	67.1	10044.9	63.0
2	2b	Yusipang Phakha	67.2	15.5	102.4	6881.3	61.0
2	2c	Yusipang Phakha	83.4	14.9	100.1	8348.3	71.0
2	2d	Yusipang Phakha	86.9	12.6	105.9	9202.7	71.0
2	2e	Yusipang Phakha	62.9	14.8	110.7	6963.0	62.0
2	2f	Yusipang Phakha	57.5	14.7	105.1	6043.3	85.0
2	2g	Yusipang Phakha	73.9	13.7	94.4	6976.2	80.0
2	2h	Yusipang Phakha	60.7	13.6	94.5	5736.2	55.0
2	2i	Yusipang Phakha	77.6	10.2	69.1	5362.2	68.0
3	3a	Ngabiphu	78.6	18.1	121.2	9526.3	79.0
3	3b	Ngabiphu	59.7	17.5	125.3	7480.4	50.0
3	3c	Ngabiphu	64.1	22.6	183.0	11730.3	77.0
3	3d	Ngabiphu	38.1	20.4	146.6	5585.5	62.0
3	3e	Ngabiphu	89.0	19.1	162.3	14444.7	75.0
3	3f	Ngabiphu	69.4	21.6	183.9	12762.7	69.0
4	4a	Serbithang	82.5	10.1	66.2	5461.5	81.0
4	4b	Serbithang	79.6	12.6	98.2	7816.7	74.0
4	4c	Serbithang	92.0	8.0	69.1	6357.2	83.0
4	4d	Serbithang	103.3	9.8	87.9	9080.1	70.0
4	4e	Serbithang	81.7	12.0	114.5	9354.7	75.0
4	4f	Serbithang	46.0	14.9	117.8	5418.8	53.0
4	4g	Serbithang	51.4	16.5	108.9	5597.5	67.0
4	4h	Serbithang	5.7	8.0	46.7	266.2	100.0
5	5b	Ramtokto Top	7.8	15.0	89.4	697.3	57.0
5	5c	Ramtokto Top	69.0	26.9	140.6	9701.4	71.0
5	5d	Ramtokto Top	51.3	16.2	81.7	4191.2	70.0
5	5e	Ramtokto Top	54.9	23.8	125.4	6884.5	82.0
5	5f	Ramtokto Top	35.8	14.3	74.3	2659.9	72.0
6	6b	Talakha	10.1	7.0	37.8	381.8	100.0
6	6c	Talakha	26.0	21.7	122.3	3179.8	83.0
6	6d	Talakha	63.0	13.1	79.6	5014.8	79.0
6	6e	Talakha	30.4	15.7	95.0	2888.0	78.0
6	6f	Talakha	4.4	8.0	34.0	149.6	56.0
7	7a	Depsiringu	3.5	26.6	253.6	887.6	36.0
7	7b	Depsiringu	15.9	14.0	109.8	1745.8	86.0
7	7g	Depsiringu	27.3	8.3	65.0	1774.5	75.0
7	7h	Depsiringu	6.8	12.7	104.9	713.3	89.0
7	7i	Depsiringu	65.0	16.4	145.3	9444.5	70.0
8	8d	Changgidaphu	55.4	18.2	113.0	6260.2	98.0
8	8e	Changgidaphu	55.1	21.0	140.7	7752.6	82.0
8	8f	Changgidaphu	53.3	20.6	147.7	7872.4	77.0
8	8g	Changgidaphu	83.0	24.6	203.7	16907.1	89.0
8	8h	Changgidaphu	77.9	28.6	258.3	20121.6	84.0
9	9c	Changgangkha	45.5	9.8	79.8	3630.9	100.0
9	9d	Changgangkha	86.0	10.1	68.9	5925.4	96.0
9	9i	Changgangkha	94.5	15.3	113.1	10688.0	85.0
10	10a	Samazingkha	50.7	12.3	90.1	4568.1	80.0

10	10b	Samazingkha	64.3	20.8	167.2	10751.0	59.0
10	10c	Samazingkha	18.6	12.0	81.6	1517.8	80.0
10	10e	Samazingkha	8.6	5.0	36.1	310.5	100.0
10	10f	Samazingkha	77.9	15.0	100.9	7860.1	85.0
10	10g	Samazingkha	37.0	16.8	119.3	4414.1	73.0
10	10h	Samazingkha	41.9	7.8	45.0	1885.5	100.0
11	11a	Lungtenphu	56.2	21.2	188.8	10610.6	95.0
11	11b	Lungtenphu	70.4	16.3	150.9	10623.4	96.0
11	11c	Lungtenphu	70.4	18.9	131.6	9264.6	97.0
11	11d	Lungtenphu	62.6	14.6	102.0	6385.2	100.0
11	11e	Lungtenphu	24.4	9.3	52.4	1278.6	100.0
11	11f	Lungtenphu	5.4	10.0	60.8	328.3	100.0
11	11j	Lungtenphu	8.3	3.0	14.2	117.9	100.0
12	12a	Yusipang	71.1	24.5	195.1	13871.6	93.0
12	12b	Yusipang	90.5	23.5	163.4	14787.7	70.0
12	12c	Yusipang	18.4	12.0	69.7	1282.5	93.0
12	12d	Yusipang	33.8	16.6	95.7	3234.7	95.0
12	12e	Yusipang	48.0	12.7	83.7	4017.6	92.0
12	12f	Yusipang	58.4	10.5	72.2	4216.5	92.0
12	12g	Yusipang	54.2	8.6	53.2	2883.4	63.0
12	12h	Yusipang	71.6	18.1	128.3	9186.3	70.0
12	12i	Yusipang	55.8	13.7	113.0	6305.4	82.0
12	12j	Yusipang	52.1	19.1	180.2	9388.4	79.0
12	12k	Yusipang	67.6	22.9	187.9	12702.0	77.0
12	12l	Yusipang	63.3	25.7	178.5	11299.1	77.0
12	12m	Yusipang	43.0	24.0	210.4	9047.2	93.0

Compartment		Production area (ha)	Basal Area (m2/ha)	Volume (m3/ha)	Tot. Volume (m3)	V conifer (%)
1	Hongtsho	509.0	13.5	88.0	44770.0	81.5
2	Yusipang Phakha	719.8	13.0	91.1	65558.0	68.0
3	Ngabiphu	398.9	19.8	154.2	61529.9	70.1
4	Serbithang	542.2	11.3	91.0	49352.6	73.8
5	Ramtokto Top	218.8	21.1	110.3	24134.3	73.2
6	Talakha	133.9	14.7	86.7	11614.0	80.4
7	Depsiringu	118.5	14.3	122.9	14565.7	73.4
8	Changgidaphu	324.7	23.2	181.4	58913.9	86.2
9	Changgangkha	226.0	12.2	89.6	20244.3	92.2
10	Samazingkha	299.0	14.5	104.7	31307.0	79.3
11	Lungtenphu	297.7	16.4	129.7	38608.5	97.4
12	Yusipang	727.8	18.7	140.5	102222.4	80.9
#REF!	#REF!	0.0	0.0	0.0	0.0	0.0
#REF!	#REF!	0.0	0.0	0.0	0.0	0.0
#REF!	#REF!	0.0	0.0	0.0	0.0	0.0
#REF!	#REF!	0.0	0.0	0.0	0.0	0.0
#REF!	#REF!	0.0	0.0	0.0	0.0	0.0
#REF!	#REF!	0.0	0.0	0.0	0.0	0.0
#REF!	#REF!	0.0	0.0	0.0	0.0	0.0
#REF!	#REF!	0.0	0.0	0.0	0.0	0.0
#REF!	#REF!	0.0	0.0	0.0	0.0	0.0
Total per Gewog		4516.3	15.9	115.8	522820.3	78.4

Forest Type Distribution in Forest Management Area of: **Chang**

Comp No.	Sub-Compartment		Prod. Area (ha)	Forest Type Distribution (in ha)								Total
	No.	Name		Hemlock	Fir	Spruce	Mix. Con.	Bluepine	Chirpine	Hardwood	Mixed HC	
1	1a	Hongtsho	97.9	5.9	81.3		10.8					21.5
1	1b	Hongtsho	15.5			6.2	9.3					9.3
1	1c	Hongtsho	30.4	5.2	5.2	5.2	10.0	4.9				15.2
1	1d	Hongtsho	13.2				4.4	8.8				4.4
1	1e	Hongtsho	79.4				63.5	15.9				15.9
1	1f	Hongtsho	119.4			28.7	28.7	62.1				38.2
1	1g	Hongtsho	22.9			11.5	5.7	5.7				6.9
1	1h	Hongtsho	39.2		15.7	3.9	15.7	3.9				11.8
1	1i	Hongtsho	52.5		17.3	13.1	17.3	4.7				8.9
1	1j	Hongtsho	38.6		25.9		12.7					4.2
2	2a	Yusipang Phakha	149.7				61.4	70.4		18.0		61.4
2	2b	Yusipang Phakha	67.2				67.2					10.1
2	2c	Yusipang Phakha	83.4				83.4					16.7
2	2d	Yusipang Phakha	86.9	15.6		23.5		27.8		20.0		
2	2e	Yusipang Phakha	62.9				31.5	15.7		15.7		19.5
2	2f	Yusipang Phakha	57.5				8.1	40.8		8.1		8.1
2	2g	Yusipang Phakha	73.9				73.9					14.8
2	2h	Yusipang Phakha	60.7				60.7					16.4
2	2i	Yusipang Phakha	77.6				77.6					25.6
3	3a	Ngabiphu	78.6				13.4	65.2				
3	3b	Ngabiphu	59.7				44.8	7.8		7.2		7.8
3	3c	Ngabiphu	64.1				48.1	8.3		7.7		40.4
3	3d	Ngabiphu	38.1	5.0		5.0	17.9	5.3		5.0		
3	3e	Ngabiphu	89	15.1		15.1	31.2	12.5		15.1		
3	3f	Ngabiphu	69.4				69.4					
4	4a	Serbithang	82.5				8.3	51.2			23.1	35.5
4	4b	Serbithang	79.6	4.0			30.2	19.1		26.3		8.0
4	4c	Serbithang	92	3.7		23.9	64.4					20.2
4	4d	Serbithang	103.3	4.1		6.2	19.6	43.4			27.9	15.5
4	4e	Serbithang	81.7			15.5	27.0				39.2	
4	4f	Serbithang	46				25.8				20.2	
4	4g	Serbithang	51.4				4.6	28.3			18.5	18.5
4	4h	Serbithang	5.7					5.7				
5	5b	Ramtokto Top	7.8					7.8				7.8
5	5c	Ramtokto Top	69				17.9	51.1				36.6
5	5d	Ramtokto Top	51.3					51.3				19.5
5	5e	Ramtokto Top	54.9					54.9				20.9
5	5f	Ramtokto Top	35.8					35.8				22.6
6	6b	Talakha	10.1					10.1				5.1
6	6c	Talakha	26					21.6		4.4		17.4
6	6d	Talakha	63				11.3	44.7		6.9		22.1
6	6e	Talakha	30.4				30.4					10.0
6	6f	Talakha	4.4				4.4					4.4
7	7a	Depsiringu	3.5	0.2		0.8	0.5	0.5			1.5	
7	7b	Depsiringu	15.9				8.0	8.0				
7	7g	Depsiringu	27.3				16.9	10.4				3.5
7	7h	Depsiringu	6.8				2.2	2.3		2.2		
7	7i	Depsiringu	65	3.9		8.5	28.6	3.9		20.2		
8	8d	Changgidaphu	55.4				17.2	38.2				34.3
8	8e	Changgidaphu	55.1			13.8	20.9	13.8			6.6	17.1
8	8f	Changgidaphu	53.3	4.3		7.5	26.7	7.5			7.5	3.7
8	8g	Changgidaphu	83			31.5	39.8	11.6				31.5
8	8h	Changgidaphu	77.9		15.6	39.0	19.5				3.9	3.9
9	9c	Changgangkha	45.5				22.8	22.8				22.8
9	9d	Changgangkha	86				64.5	21.5				36.1
9	9i	Changgangkha	94.5				94.5					
10	10a	Samazingkha	50.7			4.1	8.6	29.4			8.6	25.4

10	10b	Samazingkha	64.3		4.5		8.4	12.9		21.2	17.4	12.9
10	10c	Samazingkha	18.6					14.9			3.7	11.2
10	10e	Samazingkha	8.6				4.3	4.3				8.6
10	10f	Samazingkha	77.9				15.6	54.5			7.8	39.0
10	10g	Samazingkha	37					25.9	7.4		3.7	11.1
10	10h	Samazingkha	41.9					41.9				41.9
11	11a	Lungtenphu	56.2			17.4	21.4	12.9			4.5	8.4
11	11b	Lungtenphu	70.4			23.2	12.0	27.5			7.7	23.2
11	11c	Lungtenphu	70.4			4.2	7.7	58.4				39.4
11	11d	Lungtenphu	62.6					53.2	9.4			28.8
11	11e	Lungtenphu	24.4					24.4				24.4
11	11f	Lungtenphu	5.4					5.4				5.4
11	11j	Lungtenphu	8.3					4.2		4.2		8.3
12	12a	Yusipang	71.1	8.5	46.2		8.5				7.8	4.3
12	12b	Yusipang	90.5				7.2	31.7			51.6	67.0
12	12c	Yusipang	18.4				9.2	9.2				13.8
12	12d	Yusipang	33.8					33.8				
12	12e	Yusipang	48					48.0				4.3
12	12f	Yusipang	58.4					47.9			10.5	15.8
12	12g	Yusipang	54.2					42.8	3.8		7.6	46.6
12	12h	Yusipang	71.6				23.6	43.7	4.3			40.1
12	12i	Yusipang	55.8			4.5	12.8	21.2			17.3	30.1
12	12j	Yusipang	52.1		3.6	7.3	22.4	7.3			11.5	7.3
12	12k	Yusipang	67.6		23.7		8.1	12.2	4.1		19.6	16.2
12	12l	Yusipang	63.3		17.1		4.4	20.9		8.2	12.7	38.0
12	12m	Yusipang	43		35.7		7.3					7.3

Compartment	Prod. Area (ha)	Forest Type Distribution (in ha)									Total
		Hemlock	Fir	Spruce	Mix. Con.	Bluepine	Chirpine	Hardwood	Mixed HC		
1 Hongtsho	509.0	2%	29%	13%	35%	21%					100%
2 Yusipang Phakha	719.8	2%		3%	64%	21%		9%			100%
3 Ngabiphu	398.9	5%		5%	56%	25%		9%			100%
4 Serbithang	542.2	2%		8%	33%	27%		5%	24%		100%
5 Ramtokto Top	218.8				8%	92%					100%
6 Talakha	133.9				34%	57%		8%			100%
7 Depsiringu	118.5	3%		8%	47%	21%		19%	1%		100%
8 Changgidaphu	324.7	1%	5%	28%	38%	22%			6%		100%
9 Changgangkha	226.0				80%	20%					100%
10 Samazingkha	299.0		2%	1%	12%	61%		10%	14%		100%
11 Lungtenphu	297.7			15%	14%	62%		5%	4%		100%
12 Yusipang	727.8	1%	17%	2%	14%	44%		3%	19%		100%
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Total per Gewog	4516.3	2%	6%	7%	37%	36%		5%	8%		100%

Canopy Closure and Condition of Forest Management Area of: Chang

Comp No.	Sub-Compartment No. Name	Prod. Area (ha)	Canopy closure (ha)					Condition (ha)				
			dense	closed	open	unstocked	Total	good	average	poor	Total	
1	1a	Hongtsho	97.9	4.9	38.2	54.8		97.9	10.8	87.1		97.9
1	1b	Hongtsho	15.5		3.1	12.4		15.5	6.2	9.3		15.5
1	1c	Hongtsho	30.4		10.0	20.4		30.4	30.4			30.4
1	1d	Hongtsho	13.2		4.4	8.8		13.2	13.2			13.2
1	1e	Hongtsho	79.4		31.8	47.6		79.4	31.8	31.8	15.9	79.4
1	1f	Hongtsho	119.4		94.3	25.1		119.4	40.6	78.8		119.4
1	1g	Hongtsho	22.9		19.5	3.4		22.9	11.5	11.5		22.9
1	1h	Hongtsho	39.2	11.8	27.4			39.2	7.8	31.4		39.2
1	1i	Hongtsho	52.5		30.5	22.1		52.5	35.2	17.3		52.5
1	1j	Hongtsho	38.6		12.7	25.9		38.6	25.9	12.7		38.6
2	2a	Yusipang Phakha	149.7		43.4	106.3		149.7	61.4	88.3		149.7
2	2b	Yusipang Phakha	67.2		43.7	23.5		67.2		67.2		67.2
2	2c	Yusipang Phakha	83.4		37.5	45.9		83.4	25.0	58.4		83.4
2	2d	Yusipang Phakha	86.9		43.5	43.5		86.9	4.3	82.6		86.9
2	2e	Yusipang Phakha	62.9		19.5	43.4		62.9	19.5	43.4		62.9
2	2f	Yusipang Phakha	57.5		16.7	40.8		57.5	20.7	36.8		57.5
2	2g	Yusipang Phakha	73.9	3.7	25.9	44.3		73.9	22.2	51.7		73.9
2	2h	Yusipang Phakha	60.7		20.0	40.7		60.7	20.0	40.7		60.7
2	2i	Yusipang Phakha	77.6		55.9	21.7		77.6		77.6		77.6
3	3a	Ngabiphu	78.6			78.6		78.6	78.6			78.6
3	3b	Ngabiphu	59.7		7.2	52.5		59.7	52.5	7.2		59.7
3	3c	Ngabiphu	64.1		40.4	23.7		64.1	64.1			64.1
3	3d	Ngabiphu	38.1		12.6	25.5		38.1	38.1			38.1
3	3e	Ngabiphu	89	3.6	62.3	23.1		89.0	77.4	11.6		89.0
3	3f	Ngabiphu	69.4	15.3	54.1			69.4	69.4			69.4
4	4a	Serbitang	82.5		62.7	19.8		82.5	35.5	47.0		82.5
4	4b	Serbitang	79.6		60.5	19.1		79.6	49.4	30.2		79.6
4	4c	Serbitang	92		39.6	39.6	12.9	92.0	39.6	47.8	4.6	92.0
4	4d	Serbitang	103.3		87.8	15.5		103.3	59.9	43.4		103.3
4	4e	Serbitang	81.7	4.1	77.6			81.7	39.2	42.5		81.7
4	4f	Serbitang	46	5.1	40.9			46.0	15.2	30.8		46.0
4	4g	Serbitang	51.4		28.3	23.1		51.4	23.1	28.3		51.4
4	4h	Serbitang	5.7			5.7		5.7		5.7		5.7
5	5b	Ramtokto Top	7.8		3.9	3.9		7.8		3.9	3.9	7.8
5	5c	Ramtokto Top	69		61.4	7.6		69.0	29.0	40.0		69.0
5	5d	Ramtokto Top	51.3		27.7	15.9	7.7	51.3	19.5	27.7	4.1	51.3
5	5e	Ramtokto Top	54.9		37.9	17.0		54.9	25.3	20.9	8.8	54.9
5	5f	Ramtokto Top	35.8		13.6	17.9	4.3	35.8	9.0	26.9		35.8
6	6b	Talakha	10.1			10.1		10.1	5.1	5.1		10.1
6	6c	Talakha	26		4.4	21.6		26.0	26.0			26.0
6	6d	Talakha	63		22.1	41.0		63.0	63.0			63.0
6	6e	Talakha	30.4		15.2	15.2		30.4	30.4			30.4
6	6f	Talakha	4.4			4.4		4.4		4.4		4.4
7	7a	Depsiringu	3.5	0.7	2.5	0.3		3.5	2.5	1.0		3.5
7	7b	Depsiringu	15.9		8.0	8.0		15.9	4.0	11.9		15.9
7	7g	Depsiringu	27.3	3.5	10.1	13.7		27.3	13.7	13.7		27.3
7	7h	Depsiringu	6.8		2.2	4.6		6.8	2.2	4.6		6.8
7	7i	Depsiringu	65		41.0	24.1		65.0	12.4	52.7		65.0
8	8d	Changgidaphu	55.4		21.1	34.3		55.4	51.0	4.4		55.4
8	8e	Changgidaphu	55.1		20.9	34.2		55.1	51.8	3.3		55.1
8	8f	Changgidaphu	53.3		7.5	45.8		53.3	53.3			53.3
8	8g	Changgidaphu	83		15.8	67.2		83.0	83.0			83.0
8	8h	Changgidaphu	77.9		27.3	50.6		77.9	77.9			77.9
9	9c	Changgangkha	45.5		41.0	4.6		45.5	45.5			45.5
9	9d	Changgangkha	86		6.9	79.1		86.0		86.0		86.0
9	9i	Changgangkha	94.5			94.5		94.5	31.2	63.3		94.5
10	10a	Samazingkha	50.7		8.6	42.1		50.7	50.7			50.7
10	10b	Samazingkha	64.3		25.7	38.6		64.3	64.3			64.3
10	10c	Samazingkha	18.6			14.9	3.7	18.6	11.2	7.4		18.6
10	10e	Samazingkha	8.6			8.6		8.6		8.6		8.6
10	10f	Samazingkha	77.9		7.8	70.1		77.9	77.9			77.9
10	10g	Samazingkha	37		11.1	25.9		37.0	37.0			37.0
10	10h	Samazingkha	41.9			41.9		41.9		41.9		41.9
11	11a	Lungtenphu	56.2		12.9	43.3		56.2	56.2			56.2
11	11b	Lungtenphu	70.4		19.7	50.7		70.4	58.4	12.0		70.4
11	11c	Lungtenphu	70.4		12.0	58.4		70.4	70.4			70.4
11	11d	Lungtenphu	62.6		9.4	53.2		62.6	62.6			62.6
11	11e	Lungtenphu	24.4			24.4		24.4	24.4			24.4
11	11f	Lungtenphu	5.4			5.4		5.4	5.4			5.4
11	11j	Lungtenphu	8.3			8.3		8.3	8.3			8.3
12	12a	Yusipang	71.1		4.3	66.8		71.1	71.1			71.1
12	12b	Yusipang	90.5		3.6	86.9		90.5	82.4	8.1		90.5
12	12c	Yusipang	18.4		9.2	9.2		18.4	18.4			18.4
12	12d	Yusipang	33.8		10.1	23.7		33.8	33.8			33.8

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

Comp No.	Sub-Compartment		Prod. Area (ha)	Age distribution					Stand type distribution			
	No.	Name		young	immature	mature	overmature	Total	plantation	natural	coopice	Total
1	1a	Hongtsho	97.9	21.5		76.4		97.9		97.9		97.9
1	1b	Hongtsho	15.5	9.3		6.2		15.5		15.5		15.5
1	1c	Hongtsho	30.4	15.2	10.0	5.2		30.4		30.4		30.4
1	1d	Hongtsho	13.2	4.4	8.8			13.2		13.2		13.2
1	1e	Hongtsho	79.4	15.9	31.8	31.8		79.4		79.4		79.4
1	1f	Hongtsho	119.4	38.2	40.6	40.6		119.4		119.4		119.4
1	1g	Hongtsho	22.9	6.9	4.6	11.5		22.9		22.9		22.9
1	1h	Hongtsho	39.2	11.8	11.8	15.7		39.2		39.2		39.2
1	1i	Hongtsho	52.5	8.9	13.1	26.3	4.2	52.5		52.5		52.5
1	1j	Hongtsho	38.6	4.2	12.7	21.6		38.6		38.6		38.6
2	2a	Yusipang Phakha	149.7	61.4	56.9	31.4		149.7		149.7		149.7
2	2b	Yusipang Phakha	67.2	10.1	6.7	50.4		67.2		67.2		67.2
2	2c	Yusipang Phakha	83.4	16.7	16.7	50.0		83.4		83.4		83.4
2	2d	Yusipang Phakha	86.9		31.3	55.6		86.9		86.9		86.9
2	2e	Yusipang Phakha	62.9	19.5	19.5	23.9		62.9		62.9		62.9
2	2f	Yusipang Phakha	57.5	8.1	20.7	28.8		57.5		57.5		57.5
2	2g	Yusipang Phakha	73.9	14.8	22.2	37.0		73.9		73.9		73.9
2	2h	Yusipang Phakha	60.7	16.4	16.4	27.9		60.7		60.7		60.7
2	2i	Yusipang Phakha	77.6	25.6	30.3	21.7		77.6		77.6		77.6
3	3a	Ngabiphu	78.6		61.3	17.3		78.6		78.6		78.6
3	3b	Ngabiphu	59.7	7.8	37.6	14.3		59.7		59.7		59.7
3	3c	Ngabiphu	64.1	40.4	23.7			64.1		64.1		64.1
3	3d	Ngabiphu	38.1		25.5	12.6		38.1		38.1		38.1
3	3e	Ngabiphu	89		69.4	19.6		89.0		89.0		89.0
3	3f	Ngabiphu	69.4		15.3	54.1		69.4		69.4		69.4
4	4a	Serbithang	82.5	35.5	39.6	7.4		82.5		82.5		82.5
4	4b	Serbithang	79.6	8.0	41.4	26.3	4.0	79.6		79.6		79.6
4	4c	Serbithang	92	20.2	39.6	32.2		92.0		92.0		92.0
4	4d	Serbithang	103.3	15.5	36.2	36.2	15.5	103.3		103.3		103.3
4	4e	Serbithang	81.7		4.1	58.0	19.6	81.7		81.7		81.7
4	4f	Serbithang	46		5.5	20.2	20.2	46.0		46.0		46.0
4	4g	Serbithang	51.4	18.5	23.1	9.3		50.9		51.4		51.4
4	4h	Serbithang	5.7		5.7			5.7		5.7		5.7
5	5b	Ramtokto Top	7.8	7.8				7.8		7.8		7.8
5	5c	Ramtokto Top	69	36.6	32.4			69.0		69.0		69.0
5	5d	Ramtokto Top	51.3	19.5	31.8			51.3		51.3		51.3
5	5e	Ramtokto Top	54.9	20.9	34.0			54.9		54.9		54.9
5	5f	Ramtokto Top	35.8	22.6	13.2			35.8		35.8		35.8
6	6b	Talakha	10.1	5.1	5.1			10.1		10.1		10.1
6	6c	Talakha	26	17.4	8.6			26.0		26.0		26.0
6	6d	Talakha	63	22.1	25.8	15.1		63.0		63.0		63.0
6	6e	Talakha	30.4	10.0	15.2	5.2		30.4		30.4		30.4
6	6f	Talakha	4.4	4.4				4.4		4.4		4.4
7	7a	Depsiringu	3.5		0.5	3.0		3.5		3.5		3.5
7	7b	Depsiringu	15.9		8.0	8.0		15.9		15.9		15.9
7	7g	Depsiringu	27.3	3.5	13.7	10.1		27.3		27.3		27.3
7	7h	Depsiringu	6.8		2.2	4.6		6.8		6.8		6.8
7	7i	Depsiringu	65		12.4	52.7		65.0		65.0		65.0
8	8d	Changgidaphu	55.4	34.3	16.6	4.4		55.4		55.4		55.4
8	8e	Changgidaphu	55.1	17.1	27.6	10.5		55.1		55.1		55.1
8	8f	Changgidaphu	53.3	3.7	37.8	11.7		53.3		53.3		53.3
8	8g	Changgidaphu	83	31.5	39.8	11.6		83.0		83.0		83.0
8	8h	Changgidaphu	77.9	3.9	3.9	70.1		77.9		77.9		77.9
9	9c	Changgangkha	45.5	22.8		22.8		45.5		45.5		45.5
9	9d	Changgangkha	86	36.1	43.0	6.9		86.0		86.0		86.0
9	9i	Changgangkha	94.5		94.5			94.5		94.5		94.5
10	10a	Samazingkha	50.7	25.4	12.7	12.7		50.7		50.7		50.7
10	10b	Samazingkha	64.3	12.9	21.2	30.2		64.3		64.3		64.3
10	10c	Samazingkha	18.6	11.2	7.4			18.6		18.6		18.6
10	10e	Samazingkha	8.6	8.6				8.6		8.6		8.6
10	10f	Samazingkha	77.9	39.0	23.4	15.6		77.9		77.9		77.9
10	10g	Samazingkha	37	11.1	14.8	11.1		37.0		37.0		37.0
10	10h	Samazingkha	41.9	41.9				41.9		41.9		41.9
11	11a	Lungtenphu	56.2	8.4	4.5	43.3		56.2		56.2		56.2
11	11b	Lungtenphu	70.4	23.2	12.0	35.2		70.4		70.4		70.4
11	11c	Lungtenphu	70.4	39.4	27.5	3.5		70.4		70.4		70.4
11	11d	Lungtenphu	62.6	28.8	28.8	5.0		62.6		62.6		62.6

11	11e	Lungtenphu	24.4	24.4				24.4		24.4		24.4
11	11f	Lungtenphu	5.4	5.4				5.4		5.4		5.4
11	11j	Lungtenphu	8.3	8.3				8.3		8.3		8.3
12	12a	Yusipang	71.1	4.3	4.3	62.6		71.1		71.1		71.1
12	12b	Yusipang	90.5	67.0		23.5		90.5		90.5		90.5
12	12c	Yusipang	18.4	13.8	4.6			18.4		18.4		18.4
12	12d	Yusipang	33.8		16.9	16.9		33.8		33.8		33.8
12	12e	Yusipang	48	4.3	26.4	17.3		48.0		48.0		48.0
12	12f	Yusipang	58.4	15.8	37.4	5.3		58.4		58.4		58.4
12	12g	Yusipang	54.2	46.6	7.6			54.2		54.2		54.2
12	12h	Yusipang	71.6	40.1	27.9	3.6		71.6		71.6		71.6
12	12i	Yusipang	55.8	30.1	4.5	21.2		55.8		55.8		55.8
12	12j	Yusipang	52.1	7.3	3.6	41.2		52.1		52.1		52.1
12	12k	Yusipang	67.6	16.2	23.7	27.7		67.6		67.6		67.6
12	12l	Yusipang	63.3	38.0	12.7	12.7		63.3		63.3		63.3
12	12m	Yusipang	43	7.3		35.7		43.0		43.0		43.0

Compartment	Prod. Area (ha)	Age distribution					Total	Stand type distribution			
		young	immature	mature	overmature	plantation		natural	coopice	Total	
1 Hongtsho	509.0	27%	26%	46%	1%	100%		100%		100%	
2 Yusipang Phakha	719.8	24%	31%	45%		100%		100%		100%	
3 Ngabiphu	398.9	12%	58%	30%		100%		100%		100%	
4 Serbithang	542.2	18%	36%	35%	11%	100%		100%		100%	
5 Ramtokto Top	218.8	49%	51%			100%		100%		100%	
6 Talakha	133.9	44%	41%	15%		100%		100%		100%	
7 Depsiringu	118.5	3%	31%	66%		100%		100%		100%	
8 Changgidaphu	324.7	28%	39%	33%		100%		100%		100%	
9 Changgangkha	226.0	26%	61%	13%		100%		100%		100%	
10 Samazingkha	299.0	50%	27%	23%		100%		100%		100%	
11 Lungtenphu	297.7	46%	24%	29%		100%		100%		100%	
12 Yusipang	727.8	40%	23%	37%		100%		100%		100%	
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Total per Gewog	4516.3	30%	35%	34%	1%	100%		100%		100%	

Forest Management Area of: Chang

Comp No.	Sub-Compartment No.	Name	Prod. Area (ha)	Slope (in ha)			Erosiveness (in ha)			Soil Cover (in ha)		
				gentle	moderate	steep	stable	moderate	unstable	high	moderate	low
1	1a	Hongtsho	97.9	10.8	87.1		38.2	59.7		32.3	65.6	
1	1b	Hongtsho	15.5	6.2	9.3		6.2	9.3		3.1	12.4	
1	1c	Hongtsho	30.4		25.2	5.2	30.4				30.4	
1	1d	Hongtsho	13.2		13.2			13.2			13.2	
1	1e	Hongtsho	79.4		31.8	47.6		47.6	31.8	31.8	47.6	
1	1f	Hongtsho	119.4	16.7	57.3	45.4	37.0	78.8	3.6	4.8	102.7	11.9
1	1g	Hongtsho	22.9	11.5	11.5		12.6	10.3			22.9	
1	1h	Hongtsho	39.2		19.6	19.6	19.6	19.6		3.9	35.3	
1	1i	Hongtsho	52.5	35.2	4.2	13.1		26.3	26.3	4.2	43.1	
1	1j	Hongtsho	38.6	21.6	12.7	4.2	12.7	25.9			38.6	
2	2a	Yusipang Phakha	149.7	43.4	106.3		43.4	106.3		35.9	113.8	
2	2b	Yusipang Phakha	67.2	13.4	53.8		13.4	53.8			67.2	
2	2c	Yusipang Phakha	83.4	29.2	54.2		29.2	54.2		12.5	70.9	
2	2d	Yusipang Phakha	86.9	31.3	55.6		20.0	66.9			86.9	
2	2e	Yusipang Phakha	62.9	39.6	23.3		39.6	23.3		8.2	54.7	
2	2f	Yusipang Phakha	57.5	28.8	28.8		28.8	28.8		4.0	53.5	
2	2g	Yusipang Phakha	73.9	37.0	37.0		29.6	44.3		3.7	70.2	
2	2h	Yusipang Phakha	60.7	20.0	40.7		20.0	40.7		20.0	40.7	
2	2i	Yusipang Phakha	77.6	30.3	47.3		25.6	52.0		8.5	69.1	
3	3a	Ngabiphu	78.6	44.0	22.0	13.4	22.0	56.6		4.7	73.9	
3	3b	Ngabiphu	59.7	14.9	26.3	18.5	7.8	51.9		7.8	26.3	25.7
3	3c	Ngabiphu	64.1	16.0	28.2	19.9	35.9	28.2			44.2	19.9
3	3d	Ngabiphu	38.1	17.9	17.9	2.3	25.5	12.6			33.1	5.0
3	3e	Ngabiphu	89	19.6	46.3	23.1	62.3	19.6	7.1		62.3	26.7
3	3f	Ngabiphu	69.4	22.9	38.9	7.6	38.9	30.5		7.6	46.5	15.3
4	4a	Serbithang	82.5	62.7	19.8		82.5			27.2	55.3	
4	4b	Serbithang	79.6	53.3	26.3		75.6	4.0		45.4	34.2	
4	4c	Serbithang	92	83.7	8.3		92.0			47.8	44.2	
4	4d	Serbithang	103.3	83.7	19.6		103.3			23.8	75.4	4.1
4	4e	Serbithang	81.7	66.2	15.5		73.5	8.2		23.7	58.0	
4	4f	Serbithang	46	25.8	20.2		46.0			20.2	25.8	
4	4g	Serbithang	51.4	42.1	9.3		51.4			13.9	37.5	
4	4h	Serbithang	5.7	5.7	5.7		5.7	5.7		5.7		
5	5b	Ramtokto Top	7.8	7.8			7.8			7.8		
5	5c	Ramtokto Top	69	22.1	32.4	14.5	54.5	14.5		58.0	11.0	
5	5d	Ramtokto Top	51.3	43.6	7.7		43.6	7.7		7.7	39.5	4.1
5	5e	Ramtokto Top	54.9	46.7	8.2			46.7	8.2	36.2	12.6	6.0
5	5f	Ramtokto Top	35.8	26.9	9.0		35.8			4.7	31.1	
6	6b	Talakha	10.1	5.1	5.1		5.1	5.1			10.1	
6	6c	Talakha	26		26.0			26.0			26.0	
6	6d	Talakha	63	7.6	55.4		11.3	51.7			63.0	
6	6e	Talakha	30.4	5.2	25.2		5.2	25.2			30.4	
6	6f	Talakha	4.4		4.4			4.4			4.4	
7	7a	Depsiringu	3.5	1.0	1.3	1.2		2.5	1.0		3.0	0.5
7	7b	Depsiringu	15.9	4.0	11.9			15.9			15.9	
7	7g	Depsiringu	27.3	6.8	13.7	6.8	3.5	16.9	6.8	3.5	20.5	3.3
7	7h	Depsiringu	6.8		6.8			6.8			6.8	
7	7i	Depsiringu	65		48.8	16.3	8.5	48.8	7.8	12.4	44.9	7.8
8	8d	Changgidaphu	55.4	51.0	4.4		51.0	4.4		55.4		
8	8e	Changgidaphu	55.1	48.5	6.6		51.8	3.3		55.1		
8	8f	Changgidaphu	53.3	53.3			53.3			53.3		
8	8g	Changgidaphu	83	83.0			83.0			83.0		
8	8h	Changgidaphu	77.9	77.9			77.9			77.9		
9	9c	Changgangkha	45.5	45.5			45.5				45.5	
9	9d	Changgangkha	86	18.1	67.9		21.5	64.5		14.6	71.4	
9	9i	Changgangkha	94.5		94.5			94.5			94.5	
10	10a	Samazingkha	50.7	50.7			50.7			50.7		
10	10b	Samazingkha	64.3	64.3			64.3			64.3		
10	10c	Samazingkha	18.6	11.2	3.7	3.7	14.9	3.7		14.9	3.7	
10	10e	Samazingkha	8.6	8.6			8.6			8.6		
10	10f	Samazingkha	77.9	70.1	7.8		74.0	3.9		74.0	3.9	
10	10g	Samazingkha	37	33.3	3.7		33.3	3.7		33.3	3.7	
10	10h	Samazingkha	41.9	37.3	4.6		37.3	4.6		37.3	4.6	
11	11a	Lungtenphu	56.2	56.2			56.2			56.2		
11	11b	Lungtenphu	70.4	70.4			66.2	4.2		62.7	7.7	
11	11c	Lungtenphu	70.4	70.4			70.4			70.4		
11	11d	Lungtenphu	62.6	62.6			62.6			62.6		
11	11e	Lungtenphu	24.4	24.4			24.4			24.4		
11	11f	Lungtenphu	5.4	5.4			5.4			5.4		
11	11j	Lungtenphu	8.3	8.3			8.3			8.3		
12	12a	Yusipang	71.1	71.1			71.1			71.1		
12	12b	Yusipang	90.5	67.0	19.9	3.6	78.7	11.8		86.9	3.6	
12	12c	Yusipang	18.4	18.4			18.4			18.4	4.6	
12	12d	Yusipang	33.8	33.8			33.8			10.1	23.7	
12	12e	Yusipang	48	48.0			43.7	4.3			48.0	
12	12f	Yusipang	58.4	58.4			42.6	10.5	5.3	37.4	21.0	
12	12g	Yusipang	54.2	34.7	11.4	8.1	38.5	7.6	8.1	30.9	19.5	3.8
12	12h	Yusipang	71.6	40.1	15.8	15.8	55.8	12.2	3.6	51.6	20.0	
12	12i	Yusipang	55.8	51.3	4.5		55.8			51.3	4.5	
12	12j	Yusipang	52.1	22.4	18.8	10.9	41.2	10.9		41.2	10.9	
12	12k	Yusipang	67.6	35.8	12.2	19.6	48.0	19.6		59.5	8.1	
12	12l	Yusipang	63.3	38.0	12.7	12.7	46.2	17.1		46.2	17.1	
12	12m	Yusipang	43	32.3	10.8		35.7	7.3		39.6	3.4	

Production Potential of Forest Management Area: Chang

Comp No.	Sub-Compartment No. Name	Prod. Area (ha)	BA (m2/ha)	BAextr. (m2/ha)	Extract. Rate	Timber (N total)				Firewood (N total)					
						Drashing	Cham	Tsim	Poles, posts	> 49cm	30-49cm	20-29 cm	10-19 cm		
1	1a	Hongtsho	97.9	15.9	15.9	100.1%	781	1768	5543	24019	33		2217	12317	
1	1b	Hongtsho	15.5	12.4	12.9	104.0%	116	544	253	4218					
1	1c	Hongtsho	30.4	21.0	21.0	100.1%	151	210	2062	18332		64	619	5156	
1	1d	Hongtsho	13.2	20.7	21.0	101.3%	37	477	898	8478				499	
1	1e	Hongtsho	79.4	11.6	11.7	100.8%		330	2586	25146	134	330	1293	8981	
1	1f	Hongtsho	119.4	13.6	13.4	98.7%	330	2556	6039	21900	35	430	3355	13513	
1	1g	Hongtsho	22.9	9.1	8.2	90.5%	136	391	467	2593	10	24	47	519	
1	1h	Hongtsho	39.2	9.6	10.1	105.1%	529	343	1277	443				4434	
1	1i	Hongtsho	52.5	12.0	12.4	103.1%	589	728	1245	13829				1482	
1	1j	Hongtsho	38.6	11.6	11.4	98.6%	291	1380	526	2914		286		2429	
2	2a	Yusipang Phakha	149.7	10.5	10.0	94.8%	392	3261	6816	31390				2290	
2	2b	Yusipang Phakha	67.2	15.5	11.6	74.9%	416	1359	1644	16363		42	137	3805	
2	2c	Yusipang Phakha	83.4	14.9	12.7	85.2%	370	1810	2208	21230		173	510	8964	
2	2d	Yusipang Phakha	86.9	12.6	10.6	84.4%	730	1730	4344	4469		69	164	1287	1341
2	2e	Yusipang Phakha	62.9	14.8	11.3	76.2%	167	1295	1122	4007	183	1211	1122	4452	
2	2f	Yusipang Phakha	57.5	14.7	11.5	78.5%	147	1865	2343	3254	53	514	335	5579	
2	2g	Yusipang Phakha	73.9	13.7	10.4	75.8%	100	1512	3915	6275		230	2861	3765	
2	2h	Yusipang Phakha	60.7	13.6	11.9	87.4%	196	724	1319	9619	18	1012	2473	3664	
2	2i	Yusipang Phakha	77.6	10.2	9.8	95.8%	262	592	1932	14146		934	1405	2927	
3	3a	Ngabiphu	78.6	18.1	18.7	103.5%	640	2508	5160	18287		91	712	16310	
3	3b	Ngabiphu	59.7	17.5	14.3	81.9%	723	1510	3343	12664					
3	3c	Ngabiphu	64.1	22.6	15.6	68.9%	1446	2022	1469	3174	104	151			
3	3d	Ngabiphu	38.1	20.4	6.8	33.3%	474	607							
3	3e	Ngabiphu	89.0	19.1	8.9	46.5%	1611	1363							
3	3f	Ngabiphu	69.4	21.6	12.2	56.4%	1605	983			183	274			
4	4a	Serbithang	82.5	10.1	8.6	85.6%	278	1375	1441	10228		262	320	7560	
4	4b	Serbithang	79.6	12.6	11.1	87.9%	727	952	2471	7294	57	491	1545	3432	
4	4c	Serbithang	92.0	8.0	6.2	77.8%	543	1032	815	4074	109	400	163	1811	
4	4d	Serbithang	103.3	9.8	8.6	87.4%	651	1838	1294	4944	366	447	809	899	
4	4e	Serbithang	81.7	12.0	11.4	95.0%	1165	764	476	2642	259	1232	793	1321	
4	4f	Serbithang	46.0	14.9	15.1	101.1%	454	823	845	3522	250	800	1057	3522	
4	4g	Serbithang	51.4	16.5	13.7	82.8%	202	1382	2284	4759	73	312	1523	6345	
4	4h	Serbithang	5.7	8.0	3.6	45.0%		72		650					
5	5b	Ramtokto Top	7.8	15.0	1.6	10.5%						98			
5	5c	Ramtokto Top	69.0	26.9	0.3	1.0%				411		91			
5	5d	Ramtokto Top	51.3	16.2	2.6	16.3%		246	803	2678		82	161		
5	5e	Ramtokto Top	54.9	23.8	0.7	2.7%	71		172						
5	5f	Ramtokto Top	35.8	14.3	5.0	34.9%		298	911	3541		56		1518	
6	6b	Talakha	10.1	7.0	6.3	90.0%		105	205	2283					
6	6c	Talakha	26.0	21.7	19.0	87.7%		832	1590	10797				6871	
6	6d	Talakha	63.0	13.1	11.5	87.9%	31	1251	3926	10066			1208	7131	
6	6e	Talakha	30.4	15.7	9.8	62.7%		929	1033	6886				574	
6	6f	Talakha	4.4	8.0	8.1	101.0%				1006				1006	
7	7a	Depsiringu	3.5	26.6	25.0	93.9%	65	74	51		51	135	183	282	
7	7b	Depsiringu	15.9	14.0	14.0	99.7%	57	959	1132	898			162		
7	7c	Depsiringu	27.3	8.3	7.8	94.1%	41	513	834	1930	99	157			
7	7d	Depsiringu	6.8	12.7	13.6	107.4%	60	409	186	516					
7	7e	Depsiringu	65.0	16.4	16.1	98.1%	1162	1845	4141	5981	37	153	497		
8	8d	Changgidaphu	55.4	18.2	7.9	43.6%	133	585	3298	8680					
8	8e	Changgidaphu	55.1	21.0	8.7	41.2%	129	1349	2526	2339		187		3899	
8	8f	Changgidaphu	53.3	20.6	10.6	51.2%	270	635	1086	3449	104	271	1242	7328	
8	8g	Changgidaphu	83.0	24.6	13.5	54.9%	1171	2390	1771	2683	162	181	1127	5366	
8	8h	Changgidaphu	77.9	28.6	15.7	55.1%	1904	1918	1270	2646	94	424		3087	
9	9c	Changgangkha	45.5	9.8	9.2	93.6%	247	1841	1484	1031					
9	9d	Changgangkha	86.0	10.1	10.7	105.5%	272	1837	5696	10956			2191		
9	9i	Changgangkha	94.5	15.3	17.0	111.1%	323	5377	5135			655	9628		
10	10a	Samazingkha	50.7	12.3	5.9	48.0%	305	441		1434	36	88	516	2888	
10	10b	Samazingkha	64.3	20.8	11.6	55.7%	570	501	524	970	164	1411	1397	6304	
10	10c	Samazingkha	18.6	12.0	4.9	40.9%		264		1684		47	152	842	
10	10e	Samazingkha	8.6	5.0	3.3	66.4%	26			484	26				
10	10f	Samazingkha	77.9	15.0	7.2	48.3%	324	650	1111	8821	122	243	159	3528	
10	10g	Samazingkha	37.0	16.8	10.0	59.3%	169	909	604	3353	45	308	453	1257	
10	10h	Samazingkha	41.9	7.8	3.5	44.7%	67	291	380	3692					
11	11a	Lungtenphu	56.2	21.2	11.1	52.5%	866	1354	176	2445	36	378		489	
11	11b	Lungtenphu	70.4	16.3	10.4	63.8%	1249	950	478	2214		244	159	1772	
11	11c	Lungtenphu	70.4	18.9	13.4	70.7%	375	2721	2392	13287	41		159	4429	
11	11d	Lungtenphu	62.6	14.6	10.1	69.0%	197	1944	1765	8174		400	392	545	
11	11e	Lungtenphu	24.4	9.3	5.1	55.2%		220	497	4138					
11	11f	Lungtenphu	5.4	10.0	4.0	39.6%			436						
11	11j	Lungtenphu	8.3	3.0											
12	12a	Yusipang	71.1	24.5	15.9	65.1%	1271	2649	1022	8520		348	170	3313	
12	12b	Yusipang	90.5	23.5	15.7	66.9%	492	856	2404	22262	66	1310	2725	16474	
12	12c	Yusipang	18.4	12.0	9.9	82.9%	39	95	1309	4154			187	519	
12	12d	Yusipang	33.8	16.6	10.4	62.9%	20	703	1929	8038				1148	
12	12e	Yusipang	48.0	12.7	10.4	82.2%	119	1198	2133	4937	37	508		1975	
12	12f	Yusipang	58.4	10.5	7.7	72.9%	153	1261	1299	2405		221	433	4209	
12	12g	Yusipang	54.2	8.6	5.3	62.2%	106		1578	2630	23		631	4822	
12	12h	Yusipang	71.6	18.1	13.6	74.9%	292	1523	2754	5850	151	1044	2754	5850	
12	12i	Yusipang	55.8	13.7	11.0	80.2%	467	787	700	3402	137	465	1575	2916	
12	12j	Yusipang	52.1	19.1	15.5	81.1%	1088	466		421	358	403	1061	4631	
12	12k	Yusipang	67.6	22.9	17.1	74.7%	1140	1211	486	4500	239	348	3888	7649	
12	12l	Yusipang	63.3	25.7	16.9	65.9%	466	1230	3953	10982	85	175	1719	11937	
12	12m	Yusipang	43.0	24.0	15.7	65.3%	682	404	730	811	568	165	438	2840	

NWFP Occurrence in Forest Management Area of: **Chang**

Comp No.	Sub-Compartment		Prod. Area (ha)	Firewood				Bamboo				Cane				Daphne			
	No.	Name		Abundant		Sparse		Abundant		Sparse		Abundant		Sparse		Abundant		Sparse	
				(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)
1	1a	Hongtsho	97.9	54.8	56	43.1	44												
1	1b	Hongtsho	15.5	12.4	80	3.1	20	6.2	40										
1	1c	Hongtsho	30.4	10.0	33	20.4	67			10.0	33								
1	1d	Hongtsho	13.2	13.2	100														
1	1e	Hongtsho	79.4	63.5	80	15.9	20												
1	1f	Hongtsho	119.4	70.4	59	49.0	41	3.6	3										
1	1g	Hongtsho	22.9	17.2	75	5.7	25												
1	1h	Hongtsho	39.2	31.4	80	7.8	20	3.9	10										
1	1i	Hongtsho	52.5	39.4	75	13.1	25	8.9	17										
1	1j	Hongtsho	38.6	30.1	78	8.5	22												
2	2a	Yusipang Phakha	149.7	122.8	82	26.9	18	18.0	12	13.5	9								
2	2b	Yusipang Phakha	67.2	13.4	20	53.8	80			67.2	100								
2	2c	Yusipang Phakha	83.4	4.2	5	79.2	95												
2	2d	Yusipang Phakha	86.9			86.9	100												
2	2e	Yusipang Phakha	62.9	23.9	38	39.0	62												
2	2f	Yusipang Phakha	57.5	16.7	29	40.8	71												
2	2g	Yusipang Phakha	73.9	33.3	45	40.6	55												
2	2h	Yusipang Phakha	60.7	16.4	27	44.3	73												
2	2i	Yusipang Phakha	77.6	43.5	56	34.1	44												
3	3a	Ngabiphu	78.6			78.6	100												
3	3b	Ngabiphu	59.7	33.4	56	26.3	44												
3	3c	Ngabiphu	64.1	35.9	56	28.2	44	40.4	63										
3	3d	Ngabiphu	38.1	20.2	53	17.9	47	33.1	87										
3	3e	Ngabiphu	89	31.2	35	57.9	65	62.3	70							3.6	4		
3	3f	Ngabiphu	69.4	15.3	22	54.1	78	34.7	50										
4	4a	Serbithang	82.5	15.7	19	66.8	81			8.3	10								
4	4b	Serbithang	79.6	15.1	19	64.5	81	19.1	24	15.1	19								
4	4c	Serbithang	92	23.9	26	68.1	74												
4	4d	Serbithang	103.3	32.0	31	71.3	69	23.8	23	27.9	27								
4	4e	Serbithang	81.7	15.5	19	66.2	81	50.7	62	15.5	19								
4	4f	Serbithang	46	15.2	33	30.8	67	15.2	33	30.8	67								
4	4g	Serbithang	51.4	13.9	27	37.5	73	9.3	18	13.9	27								
4	4h	Serbithang	5.7			5.7	100												
5	5b	Ramtokto Top	7.8			7.8	100												
5	5c	Ramtokto Top	69			69.0	100												
5	5d	Ramtokto Top	51.3	4.1	8	47.2	92												
5	5e	Ramtokto Top	54.9	4.4	8	50.5	92												
5	5f	Ramtokto Top	35.8			35.8	100												
6	6b	Talakha	10.1			10.1	100												
6	6c	Talakha	26			26.0	100												
6	6d	Talakha	63			63.0	100												
6	6e	Talakha	30.4			30.4	100												
6	6f	Talakha	4.4			4.4	100												
7	7a	Depsiringu	3.5	3.0	86	0.5	14												
7	7b	Depsiringu	15.9	8.0	50	8.0	50												
7	7g	Depsiringu	27.3	13.7	50	13.7	50												
7	7h	Depsiringu	6.8			6.8	100												
7	7i	Depsiringu	65	41.0	63	24.1	37												
8	8d	Changgidaphu	55.4			55.4	100			4.4	8					8.3	15		
8	8e	Changgidaphu	55.1	10.5	19	44.6	81			20.9	38								
8	8f	Changgidaphu	53.3	15.5	29	37.8	71	3.7	7	11.2	21					30.4	57		
8	8g	Changgidaphu	83			83.0	100	4.2	5	11.6	14					47.3	57		
8	8h	Changgidaphu	77.9			7.8	10	3.9	5						3.9	5	42.8	55	
9	9c	Changgangkha	45.5	13.7	30	9.1	20												
9	9d	Changgangkha	86			86.0	100										6.9	8	
9	9i	Changgangkha	94.5			94.5	100			16.1	17								
10	10a	Samazingkha	50.7			4.1	8			8.6	17					4.1	8		
10	10b	Samazingkha	64.3			17.4	27	4.5	7	8.4	13					12.9	20		
10	10c	Samazingkha	18.6			18.6	100												
10	10e	Samazingkha	8.6			4.3	50												
10	10f	Samazingkha	77.9			3.9	5	11.7	15	7.8	10								
10	10g	Samazingkha	37			3.7	10			7.4	20								
10	10h	Samazingkha	41.9			9.6	23												
11	11a	Lungtenphu	56.2			17.4	31			25.9	46					30.3	54		
11	11b	Lungtenphu	70.4			4.2	6			23.2	33					35.2	50		
11	11c	Lungtenphu	70.4			7.7	11									15.5	22		
11	11d	Lungtenphu	62.6			9.4	15												
11	11e	Lungtenphu	24.4			8.1	33												
11	11f	Lungtenphu	5.4			5.4	100												
11	11j	Lungtenphu	8.3			4.2	50												
12	12a	Yusipang	71.1			46.2	65												
12	12b	Yusipang	90.5			15.4	17			3.6	4								
12	12c	Yusipang	18.4			4.6	25			4.6	25								
12	12d	Yusipang	33.8			13.5	40												
12	12e	Yusipang	48			26.9	56												
12	12f	Yusipang	58.4			5.3	9												
12	12g	Yusipang	54.2			7.6	14												
12	12h	Yusipang	71.6			12.2	17												
12	12i	Yusipang	55.8			8.4	15			21.2	38					30.1	54		
12	12j	Yusipang	52.1			7.3	14			7.3	14					29.7	57		
12	12k	Yusipang	67.6			67.6	100			4.1	6								
12	12l	Yusipang	63.3			12.7	20			4.4	7								
12	12m	Yusipang	43			24.9	58												

Compartment	Prod. Area (ha)	Firewood				Bamboo				Cane				Daphne				
		Abundant		Sparse		Abundant		Sparse		Abundant		Sparse		Abundant		Sparse		
		(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	
1 Hongtsho	509.0	342.4	67	166.6	33	22.6	4	10.0	2									
2 Yusipang Phakha	719.8	274.0	38	445.8	62	18.0	2	80.7	11									
3 Ngabiphu	398.9	135.9	34	263.0	66	170.5	43						3.6	1				
4 Serbithang	542.2	131.3	24	410.9	76	117.9	22	111.5	21									
5 Ramtokto Top	218.8	8.5	4	210.3	96													
6 Talakha	133.9			133.9	100													
7 Depsiringu	118.5	65.6	55	52.9	45													
8 Changgidaphu	324.7	25.9	8	228.7	70	11.8	4	48.2	15				3.9	1	128.8	40		
9 Changgangkha	226.0	13.7	6	189.6	84			16.1	7						6.9	3		
10 Samazingkha	299.0			61.5	21	16.2	5	32.2	11						16.9	6		
11 Lungtenphu	297.7			56.4	19			49.1	16						81.0	27		
12 Yusipang	727.8			252.5	35			45.2	6						59.8	8		
#REF! #REF!																		
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Total per Gewog	4516.3	997.4	22	2472.0	55	357.0	8	392.9	9						7.5	0	293.5	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	Chirpine	Hardwood	Mixed HC	Total	
Proportion	2%	6%	7%	37%	36%	0%	5%	8%	100%	
Rotation period	130	140	130	120	90	90	130	120	112	
AACsust. = standing volume/rotation period	4674 m3	1.0 m3/ha								
AACsilv. = prod. Potential/10 years	36354 m3	8 m3/ha								
AACfixed	4674 m3	1.0 m3/ha								
Prod. Potential/AAC =	78 years									

Annexure 2: Compiled Results by Sub-Compartment

Sub-Compartment Record																																																																																																																																																
Geog	Chang	Comp.	1	Sub-Comp.	Hongtsho	No.	1a																																																																																																																																									
Areas in ha																																																																																																																																																
Non Forest Area	2.4	Protection		In-operable	5.4	Production	97.9																																																																																																																																									
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										Bas. Area (m2/ha)	15.9																																																																																																																																					
										Volume (m3/ha)	102.5																																																																																																																																					
										Volume conifer %	94%																																																																																																																																					
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend: Chirpine, Bluepine, Hemlock, Spruce, Fir, Other Conifers, Oak, Acer, Other Broadleaves, Rhododendron, Betula</p>										<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew. Type</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>6</td> <td>Plantation</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fir</td> <td>83</td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td>56</td> <td>44</td> </tr> <tr> <td>Spruce</td> <td></td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td>11</td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td>11</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td></td> <td>Dense</td> <td>6</td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>39</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td></td> <td>Open</td> <td>56</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td></td> <td>Forest Use</td> <td>I</td> <td>E</td> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td>22</td> <td>Good</td> <td>11</td> <td>Grazing</td> <td>61</td> <td>39</td> </tr> <tr> <td>Immature</td> <td></td> <td>Average</td> <td>89</td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>78</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th colspan="7">Site Characteristics</th> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th colspan="2">%</th> </tr> <tr> <td>Gentle</td> <td>11</td> <td>Stable</td> <td>39</td> <td>High</td> <td colspan="2">33</td> </tr> <tr> <td>Moderate</td> <td>89</td> <td>Moderate</td> <td>61</td> <td>Moderate</td> <td colspan="2">67</td> </tr> <tr> <td>Steep</td> <td></td> <td>Unstable</td> <td></td> <td>Low</td> <td colspan="2"></td> </tr> </tbody> </table>		Forest Type	%	Stand Type	%	NWFP+firew. Type	A	S	Hemlock	6	Plantation					Fir	83	Natural	100	Firewood	56	44	Spruce		Coppice		Bamboo	11		Mixed Conifer	11	Canopy	%	Cane			Blue Pine		Dense	6	Daphne			Chir Pine		Closed	39				Hardwood		Open	56				Mixed H/C		Unstocked		Forest Use	I	E	Age Class	%	Condition	%	Type	%	%	Young	22	Good	11	Grazing	61	39	Immature		Average	89	Shokshing			Mature	78	Poor		Lopping			Overmature							Site Characteristics							Slope	%	Erosiveness	%	Soil Cover	%		Gentle	11	Stable	39	High	33		Moderate	89	Moderate	61	Moderate	67		Steep		Unstable		Low		
Forest Type	%	Stand Type	%	NWFP+firew. Type	A	S																																																																																																																																										
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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	%																																																																																																																																			
Chirpine																																																																																																																																																
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Hemlock	39																																																																																																																																															
Spruce					5							5	1																																																																																																																																			
Fir	491	314	82	7	6	2	4	2	0	1		104	21																																																																																																																																			
Other Conifers	845	452	226	77	5	2	0	0		0		311	62																																																																																																																																			
Oak																																																																																																																																																
Acer	39																																																																																																																																															
Betula																																																																																																																																																
Rhododendron			75	5								80	16																																																																																																																																			
Other Broadleaves																																																																																																																																																
Total	1415	766	384	88	15	4	5	2	0	1		499	100																																																																																																																																			
Future Management & Monitoring of Activities																																																																																																																																																
Manag. Option	No activities																																																																																																																																															
	Improvement	tic																																																																																																																																														
	Timber Use	tic																																																																																																																																														
	Firewood Use	tic																																																																																																																																														
	Silvopasture																																																																																																																																															
	Sokshing	tic																																																																																																																																														
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	781	8	100	2433																																																																																																																																											
	Firewood	33	0		98																																																																																																																																											
30-49	Cham	1768	18	94	1620																																																																																																																																											
	Firewood																																																																																																																																															
20-29	Tsim	5543	57	90	1600																																																																																																																																											
	Firewood	2217	23		613																																																																																																																																											
10-19	Poles, etc.	24019	245	97	2155																																																																																																																																											
	Firewood	12317	126		1052																																																																																																																																											
Silvicultural Measures				Area in ha implemented per year										Total	%																																																																																																																																	
Measure	Area (ha)	in %		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029																																																																																																																																			
Planting	10.9	11%																																																																																																																																														
Thinning	27.2	28%																																																																																																																																														
Felling	59.9	61%																																																																																																																																														
Assessment carried out by		Karma Jigme										Year:	2020																																																																																																																																			

Sub-Compartment Record																											
Geog	Chang		Comp.	1		Sub-Comp.	Hongtsho		No.	1b																	
Areas in ha																											
Non Forest Area		Protection		62.5		In-operable		6.2		Production	15.5																
Forest Composition and Description																											
										Stand data																	
										Bas. Area (m2/ha)		12.4															
										Volume (m3/ha)		75.4															
Volume conifer %		71%																									
					Forest Type		%		Stand Type		%		NWFP+firew. Type		A		S										
					Hemlock				Plantation				Firewood		80		20										
					Fir				Natural		100		Bamboo		40												
					Spruce		40		Coppice				Cane														
					Mixed Conifer		60		Canopy		%		Daphne														
					Blue Pine				Dense																		
					Chir Pine				Closed		20																
					Hardwood				Open		80																
					Mixed H/C				Unstocked																		
					Age Class		%		Condition		%		Forest Use		I		E										
					Young		60		Good		40		Grazing		80		20										
					Immature				Average		60		Shokshing														
					Mature		40		Poor				Lopping														
					Overmature																						
					Slope		%		Erosiveness		%		Soil Cover		%												
Gentle		40		Stable		40		High		20																	
Moderate		60		Moderate		60		Moderate		80																	
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		%	
Chirpine				566																							
Bluepine																											
Hemlock		283																									
Spruce						17										1								18		5	
Fir		1768		495																							
Other Conifers		1415		212		8		13		7		1												29		9	
Oak																											
Acer		141																									
Betula																											
Rhododendron		1981		212		272		16																288		86	
Other Broadleaves																											
Total		5588		1485		272		16		25		13		7		2								335		100	
Future Management & Monitoring of Activities																											
Manag. Option	No activities																										
	Improvement	tic																									
	Timber Use	tic																									
	Firewood Use	tic																									
	Silvopasture																										
	Sokshing	tic																									
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	116	7	82	258																						
	Firewood																										
30-49	Cham	544	35	93	482																						
	Firewood																										
20-29	Tsim	253	16	100	60																						
	Firewood																										
10-19	Poles, etc.	4218	272	100	281																						
	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	6.2	40%																									
Thinning	9.3	60%																									
Felling																											
Assessment carried out by			Karma Jigme										Year:		2020												

Sub-Compartment Record																																																																																																																																															
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Site Characteristics																																																																																																																																															
Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																										
Gentle		Stable	100	High																																																																																																																																											
Moderate	83	Moderate		Moderate	100																																																																																																																																										
Steep	17	Unstable		Low																																																																																																																																											
Species	Height	N/ha per diameter class										Total (> 10cm)																																																																																																																																			
	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	%																																																																																																																																		
Chirpine																																																																																																																																															
Bluepine	59																																																																																																																																														
Hemlock	236			7								7	1																																																																																																																																		
Spruce			75			4						80	9																																																																																																																																		
Fir	295		38	7	3			1				49	5																																																																																																																																		
Other Conifers	236		453	54	3							510	56																																																																																																																																		
Oak	1179		19	7		2						28	3																																																																																																																																		
Acer	354																																																																																																																																														
Betula																																																																																																																																															
Rhododendron			226	14								240	26																																																																																																																																		
Other Broadleaves																																																																																																																																															
Total	2358		811	88	7	2	4	1				913	100																																																																																																																																		
Future Management & Monitoring of Activities																																																																																																																																															
Manag. Option	No activities																																																																																																																																														
	Improvement	tic																																																																																																																																													
	Timber Use	tic																																																																																																																																													
	Firewood Use	tic																																																																																																																																													
	Silvopasture																																																																																																																																														
	Sokshing	tic																																																																																																																																													
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	151	5	100	427																																																																																																																																										
	Firewood																																																																																																																																														
30-49	Cham	210	7	100	161																																																																																																																																										
	Firewood	64	2		93																																																																																																																																										
20-29	Tsim	2062	68	100	593																																																																																																																																										
	Firewood	619	20		182																																																																																																																																										
10-19	Poles, etc.	18332	604	95	1480																																																																																																																																										
	Firewood	5156	170		438																																																																																																																																										
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	15.2	50%																																																																																																																																													
Felling	15.2	50%																																																																																																																																													
Assessment carried out by		Karma Jigme										Year:	2020																																																																																																																																		

Sub-Compartment Record																	
Geog	Chang	Comp.	1	Sub-Comp.	Hongtsho	No.	1d										
Areas in ha																	
Non Forest Area	19.6	Protection	78.2	In-operable		Production	13.2										
Forest Composition and Description																	
							Stand data										
							Bas. Area (m2/ha)	20.7									
							Volume (m3/ha)	112.8									
							Volume conifer %	65%									
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
							Hemlock		Plantation		Type	%	%				
							Fir		Natural	100	Firewood	100					
							Spruce		Coppice		Bamboo						
							Mixed Conifer	33	Canopy	%	Cane						
							Blue Pine	67	Dense		Daphne						
							Chir Pine		Closed	33							
							Hardwood		Open	67							
							Mixed H/C		Unstocked		Forest Use	I	E				
							Age Class	%	Condition	%	Type	%	%				
							Young	33	Good	100	Grazing		100				
							Immature	67	Average		Shokshing						
							Mature		Poor		Lopping						
							Overmature		Site Characteristics								
							Slope	%	Erosiveness	%	Soil Cover						
Gentle		Stable		High													
Moderate	100	Moderate	100	Moderate	100												
Steep		Unstable		Low													
Species	Height	N/ha per diameter class										Total (> 10cm)					
	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	%				
Chirpine																	
Bluepine	354	236	113	41	35	8	3					200	25				
Hemlock																	
Spruce	236		75									75	10				
Fir																	
Other Conifers																	
Oak			38									38	5				
Acer	236																
Betula																	
Rhododendron			453	27								480	61				
Other Broadleaves																	
Total	825	236	679	68	35	8	3					793	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities																
	Improvement	tic															
	Timber Use	tic															
	Firewood Use	tic															
	Silvopasture																
	Sokshing	tic															
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	37	3	100	82												
	Firewood																
30-49	Cham	477	36	84	434												
	Firewood																
20-29	Tsim	898	68	100	254												
	Firewood																
10-19	Poles, etc.	8478	641	100	612												
	Firewood	499	38		40												
Silvicultural Measures					Area in ha implemented per year										Total	%	
Measure	Area (ha)	in %															
Planting																	
Thinning	4.4	33%															
Felling	8.8	67%															
Assessment carried out by		Karma Jigme										Year:	2020				

Sub-Compartment Record																	
Geog	Chang	Comp.	1	Sub-Comp.	Hongtsho	No.	1e										
Areas in ha																	
Non Forest Area	5.8	Protection	44.5	In-operable		Production	79.4										
Forest Composition and Description																	
						Stand data											
						Bas. Area (m2/ha)					11.6						
						Volume (m3/ha)					64.0						
						Volume conifer %					66%						
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
						Fir		Natural	100	Firewood	80	20					
						Spruce		Coppice		Bamboo							
						Mixed Conifer	80	Canopy	%	Cane							
						Blue Pine	20	Dense		Daphne							
						Chir Pine		Closed	40								
						Hardwood		Open	60								
						Mixed H/C		Unstocked		Forest Use	I	E					
						Age Class	%	Condition	%	Type	%	%					
						Young	20	Good	40	Grazing	20	80					
						Immature	40	Average	40	Shokshing							
						Mature	40	Poor	20	Lopping							
						Overmature				Site Characteristics							
						Slope	%	Erosiveness	%	Soil Cover	%						
Gentle		Stable		High													
Moderate	40	Moderate	60	Moderate	60												
Steep	60	Unstable	40	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	%				
Chirpine																	
Bluepine	212	778	294	33	4							331	65				
Hemlock	141	354	23									23	4				
Spruce	141	424	23									23	4				
Fir																	
Other Conifers																	
Oak		566	113	16	4	2						135	26				
Acer	141																
Betula																	
Rhododendron		1627															
Other Broadleaves																	
Total	637	3749	453	49	8	2						512	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities																
	Improvement	tic															
	Timber Use	tic															
	Firewood Use	tic															
	Silvopasture																
	Sokshing	tic															
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		100														
	Firewood	134	2		321												
30-49	Cham	330	4	100	246												
	Firewood	330	4		260												
20-29	Tsim	2586	33	100	815												
	Firewood	1293	16		428												
10-19	Poles, etc.	25146	317	95	2130												
	Firewood	8981	113		727												
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	15.9	20%															
Felling	63.5	80%															
Assessment carried out by		Karma Jigme										Year:	2020				

Sub-Compartment Record																	
Geog	Chang	Comp.	1	Sub-Comp.	Hongtsho	No.	1f										
Areas in ha																	
Non Forest Area	5.5	Protection	38.3	In-operable	4.1	Production	119.4										
Forest Composition and Description																	
							Stand data										
							Bas. Area (m2/ha)	13.6									
							Volume (m3/ha)	88.7									
							Volume conifer %	65%									
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Chirpine Spruce Oak Rhododendron Bluepine Fir Acer Other Broadleaves Hemlock Other Conifers Betula 							Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
							Hemlock		Plantation		Firewood	%	%				
							Fir		Natural	100	Firewood	59	41				
							Spruce	24	Coppice		Bamboo	3					
							Mixed Conifer	24	Canopy	%	Cane						
							Blue Pine	52	Dense		Daphne						
							Chir Pine		Closed	79							
							Hardwood		Open	21							
							Mixed H/C		Unstocked		Forest Use	I	E				
							Age Class	%	Condition	%	Type	%	%				
							Young	31	Good	34	Grazing	21	79				
							Immature	34	Average	66	Shokshing						
							Mature	34	Poor		Lopping						
							Overmature		Site Characteristics								
							Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	14	Stable	31	High	3												
Moderate	48	Moderate	66	Moderate	86												
Steep	38	Unstable	3	Low	10												
Species	Height	N/ha per diameter class										Total (> 10cm)					
	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	%				
Chirpine																	
Bluepine	598	842	137	42	11	6	1	0	0			197	47				
Hemlock	24	61		1								1	0				
Spruce	61	512	31	14	1	0	0			0		47	11				
Fir		12															
Other Conifers		98	8									8	2				
Oak	85	622	117	27	6	3	1			0		154	36				
Acer	24																
Betula																	
Rhododendron	85	451	16									16	4				
Other Broadleaves																	
Total	878	2598	308	84	18	9	2	0	0	0		422	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities																
	Improvement	tic															
	Timber Use	tic															
	Firewood Use	tic															
	Silvopasture																
	Sokshing	tic															
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	330	3	100	1054												
	Firewood	35	0		88												
40-49	Cham	2556	21	94	2419												
	Firewood	430	4		510												
30-39	Tsim	6039	51	93	1977												
	Firewood	3355	28		1086												
20-29	Poles, etc.	21900	183	96	1827												
	Firewood	13513	113		1084												
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	53.5	45%														
Felling	65.9	55%															
Assessment carried out by		Karma Jigme											Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	1	Sub-Comp.	Hongtsho	No.	1g									
Areas in ha																
Non Forest Area	4.2	Protection	104.2	In-operable		Production	22.9									
Forest Composition and Description																
						Stand data										
						Bas. Area (m2/ha)					9.1					
						Volume (m3/ha)					71.1					
						Volume conifer %					95%					
<p>Number of trees/ha by diameter class (dbh>10cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	75	25				
						Spruce	50	Coppice		Bamboo						
						Mixed Conifer	25	Canopy	%	Cane						
						Blue Pine	25	Dense		Daphne						
						Chir Pine		Closed	85							
						Hardwood		Open	15							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	30	Good	50	Grazing	25	75				
						Immature	20	Average	50	Shokshing						
						Mature	50	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover						
Gentle	50	Stable	55	High												
Moderate	50	Moderate	45	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	%			
Chirpine																
Bluepine	88	407	68	22	8	3	1					102	46			
Hemlock		88	6									6	3			
Spruce	195	531	34		6		2	1	1	1		45	20			
Fir		159	23		2	1	0	2	0			27	13			
Other Conifers	18	265	11	2			0					14	6			
Oak		301	23	2	1							26	12			
Acer	318	354														
Betula																
Rhododendron		159														
Other Broadleaves																
Total	619	2264	164	26	18	3	4	2	1	1		220	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Shokshing	tic														
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	136	6	78	508											
	Firewood	10	0		22											
30-49	Cham	391	17	87	348											
	Firewood	24	1		19											
20-29	Tsim	467	20	85	147											
	Firewood	47	2		15											
10-19	Poles, etc.	2593	113	83	235											
	Firewood	519	23		42											
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	19.5	85%														
Felling	3.4	15%														
Assessment carried out by		Karma Jigme											Year:	2020		

Sub-Compartment Record																
Geog	Chang	Comp.	1	Sub-Comp.	Hongtsho	No.	1h									
Areas in ha																
Non Forest Area	0.2	Protection	9.0	In-operable	11.8	Production	39.2									
Forest Composition and Description																
						Stand data										
						Bas. Area (m2/ha)					9.6					
						Volume (m3/ha)					77.0					
						Volume conifer %					100%					
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Chirpine Bluepine Hemlock Spruce Fir Other Conifers Oak Acer Betula Rhododendron Other Broadleaves 						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir	40	Natural	100	Firewood	80	20				
						Spruce	10	Coppice		Bamboo	10					
						Mixed Conifer	40	Canopy	%	Cane						
						Blue Pine	10	Dense	30	Daphne						
						Chir Pine		Closed	70							
						Hardwood		Open								
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	30	Good	20	Grazing	50	50				
						Immature	30	Average	160	Shokshing						
						Mature	40	Poor		Lopping						
						Overmature				Site Characteristics						
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	50	Stable	50	High	10											
Moderate	50	Moderate	50	Moderate	90											
Steep		Unstable		Low												
Species	Height	N/ha per diameter class										Total (> 10cm)				
	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	%			
Chirpine																
Bluepine																
Hemlock	354				2	1			0	0		4	2			
Spruce							1					1	0			
Fir	1061	884	11	20	2		6	3	3			45	25			
Other Conifers		460	113	16	2	1	1		0			134	73			
Oak																
Acer																
Betula																
Rhododendron	177	1450														
Other Broadleaves																
Total	1592	2794	124	37	6	3	8	3	4	0		184	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	529	14	93	1620											
	Firewood															
30-49	Cham	343	9	100	311											
	Firewood															
20-29	Tsim	1277	33	89	435											
	Firewood															
10-19	Poles, etc.	443	11	100	52											
	Firewood	4434	113		379											
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	11.8	30%														
Felling	27.4	70%														
Assessment carried out by		Karma Jigme										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	1	Sub-Comp.	Hongtsho	No.	1i									
Areas in ha																
Non Forest Area		Protection	48.5	In-operable	52.4	Production	52.4									
Forest Composition and Description																
								Stand data								
								Bas. Area (m2/ha)	12.0							
								Volume (m3/ha)	89.5							
								Volume conifer %	97%							
								Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
								Hemlock		Plantation		Type	%	%		
								Fir	33	Natural	100	Firewood	75	25		
								Spruce	25	Coppice		Bamboo	17			
								Mixed Conifer	33	Canopy	%	Cane				
								Blue Pine	8	Dense		Daphne				
								Chir Pine		Closed	58					
								Hardwood		Open	42					
								Mixed H/C		Unstocked		Forest Use	I	E		
								Age Class	%	Condition	%	Type	%	%		
								Young	17	Good	67	Grazing	17	83		
								Immature	25	Average	33	Shokshing				
								Mature	50	Poor		Lopping				
								Overmature	8	Site Characteristics						
								Slope	%	Erosiveness	%	Soil Cover	%			
Gentle	67	Stable		High	8											
Moderate	8	Moderate	50	Moderate	92											
Steep	25	Unstable	50	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	%			
Chirpine																
Bluepine		295														
Hemlock		1091	104	24		2	2	1	0	1		134	37			
Spruce		531			7							7	2			
Fir		2093	85		3	1	4	2	0	1		97	27			
Other Conifers		265	123									123	34			
Oak																
Acer																
Betula						2						2	1			
Rhododendron	177	1326														
Other Broadleaves																
Total	177	5600	311	24	10	5	6	3	1	1		362	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	589	11	100	1839											
	Firewood															
30-49	Cham	728	14	89	761											
	Firewood															
20-29	Tsim	1245	24	100	424											
	Firewood															
10-19	Poles, etc.	13829	264	94	1351											
	Firewood	1482	28		127											
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	17.5	33%														
Felling	34.9	67%														
Assessment carried out by				Karma Jigme									Year:	2020		

Sub-Compartment Record																
Geog	Chang	Comp.	1	Sub-Comp.	Hongtsho	No.	1j									
Areas in ha																
Non Forest Area	0.1	Protection	62.5	In-operable	12.9	Production	38.6									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	11.6								
							Volume (m3/ha)	92.8								
							Volume conifer %	97%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend: Chirpine, Bluepine, Hemlock, Spruce, Fir, Other Conifers, Oak, Acer, Betula, Rhododendron, Other Broadleaves</p>							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir	67	Natural	100	Firewood	78	22			
							Spruce		Coppice		Bamboo					
							Mixed Conifer	33	Canopy	%	Cane					
							Blue Pine		Dense		Daphne					
							Chir Pine		Closed	33						
							Hardwood		Open	67						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	11	Good	67	Grazing		100			
							Immature	33	Average	33	Shokshing					
							Mature	56	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	% %				
							Gentle	56	Stable	33	High					
							Moderate	33	Moderate	67	Moderate	100				
							Steep	11	Unstable		Low					
Species	Height	N/ha per diameter class										Total (> 10cm)				
	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	%			
Chirpine																
Bluepine																
Hemlock		432														
Spruce																
Fir		1808		9	16	17	6	1	2			50	24			
Other Conifers		157	113		7	7						127	61			
Oak																
Acer																
Betula																
Rhododendron	118	1179	25	5								30	14			
Other Broadleaves																
Total	118	3576	138	14	23	24	6	1	2			207	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	291	8	89	853											
	Firewood															
30-49	Cham	1380	36	92	1622											
	Firewood	286	7		245											
20-29	Tsim	525	14	100	183											
	Firewood															
10-19	Poles, etc.	2914	75	100	249											
	Firewood	2429	63		189											
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	12.9	33%														
Felling	25.8	67%														
Assessment carried out by		Karma Jigme											Year:	2020		

Sub-Compartment Record																	
Geog	Chang	Comp.	2. Yusipang Phakha	Sub-Comp.	Yusipang Phakha	No.	2a										
Areas in ha																	
Non Forest Area	6.7	Protection	9.6	In-operable	13.2	Production	149.7										
Forest Composition and Description																	
							Stand data										
							Bas. Area (m2/ha)	10.5									
							Volume (m3/ha)	67.1									
							Volume conifer %	63%									
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
							Hemlock		Plantation		Type	%	%				
							Fir		Natural	100	Firewood	82	18				
							Spruce		Coppice		Bamboo	12	9				
							Mixed Conifer	41	Canopy	%	Cane						
							Blue Pine	47	Dense		Daphne						
							Chir Pine		Closed	29							
							Hardwood	12	Open	71							
							Mixed H/C		Unstocked		Forest Use	I	E				
							Age Class	%	Condition	%	Type	%	%				
							Young	41	Good	41	Grazing	5.9	94				
							Immature	38	Average	59	Shokshing						
							Mature	21	Poor		Lopping						
							Overmature		Site Characteristics								
							Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	29	Stable	29	High	24												
Moderate	71	Moderate	71	Moderate	76												
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	%				
Chirpine																	
Bluepine	385	187	123	23	10							156	45				
Hemlock	250	114	30		6	0	0					37	11				
Spruce	250	187	37	7	1	1	0					46	13				
Fir																	
Other Conifers																	
Oak	52	229	43	22	4	1	1	1				72	21				
Acer	62	31	7									7	2				
Betula			10	1								11	3				
Rhododendron	302	614	17									17	5				
Other Broadleaves																	
Total	1300	1363	266	53	21	3	2	1				346	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Thinning activities to be initiated in the stand mostly in the Blue Pine stands.														
	Improvement	tic															
	Timber Use	tic															
	Firewood Use	tic															
	Silvopasture																
	Sokshing	tic															
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	392	3	100	1082												
	Firewood																
30-49	Cham	3261	22	91	2706												
	Firewood																
20-29	Tsim	6816	46	86	2226												
	Firewood																
10-19	Poles, etc.	31390	210	86	2697												
	Firewood	2990	20		206												
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	88.0	59%															
Felling	61.6	41%															
Assessment carried out by		K.K Jogi											Year:	2020			

Sub-Compartment Record																
Geog	Chang		Comp.	2. Yusipang Phakha		Sub-Comp.	Yusipang Phakha		No.	2b						
Areas in ha																
Non Forest Area			Protection	8.6		In-operable	6.7		Production	67.2						
Forest Composition and Description																
										Stand data						
										Bas. Area (m2/ha)	15.5					
										Volume (m3/ha)	102.4					
										Volume conifer %	61%					
Number of trees/ha by diameter class (dbh>10cm)																
Forest Type	%	Stand Type	%	NWFP+firew.	A	S										
Hemlock		Plantation		Type	%	%										
Fir		Natural	100	Firewood	20	80										
Spruce		Coppice		Bamboo		100										
Mixed Conifer	100	Canopy	%	Cane												
Blue Pine		Dense		Daphne												
Chir Pine		Closed	65													
Hardwood		Open	35													
Mixed H/C		Unstocked		Forest Use			I	E								
Age Class	%	Condition	%	Type	%	%										
Young	15	Good		Grazing		100										
Immature	10	Average	100	Shokshing												
Mature	75	Poor		Lopping												
Overmature		Site Characteristics														
Slope	%	Erosiveness	%	Soil Cover	%											
Gentle	20	Stable	20	High												
Moderate	80	Moderate	80	Moderate	100											
Steep		Unstable		Low												
Species	Height	N/ha per diameter class										Total (> 10cm)				
	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	%			
Chirpine																
Bluepine	177		124	2	3							130	26			
Hemlock	230		34	6	2	3	2	0	1	1		49	10			
Spruce	124	141	96			2		0	1			99	20			
Fir	88	53			1	1	1	0	0			3	1			
Other Conifers																
Oak			34	2		1						37	7			
Acer	619	53	34									34	7			
Betula			23	18	11	3						56	11			
Rhododendron	354	442	74	24								98	19			
Other Broadleaves																
Total	1592	690	419	53	18	9	3	1	2	1		505	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning activities to be initiated in the stand mostly in the Blue Pine stands.													
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	416	6	88	1470											
	Firewood															
30-49	Cham	1359	20	79	1293											
	Firewood	42	1		62											
20-29	Tsim	1644	24	50	555											
	Firewood	137	2		45											
10-19	Poles, etc.	16363	243	72	1428											
	Firewood	3805	57		377											
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	10.1	15%														
Felling	57.2	85%														
Assessment carried out by			K.K Jogi										Year:	2020		

Sub-Compartment Record																																																																																																																																																																																																																										
Geog	Chang		Comp.	2. Yusipang Phakha		Sub-Comp.	Yusipang Phakha		No.	2c																																																																																																																																																																																																																
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Species			Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)																																																																																																																																																																																																												
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Spruce	248	35	68	4	2		2		1					76	16																																																																																																																																																																																																											
Fir	141				1	8	0	1	0	0				10	2																																																																																																																																																																																																											
Other Conifers																																																																																																																																																																																																																										
Oak			28		3									31	6																																																																																																																																																																																																											
Acer	531	177																																																																																																																																																																																																																								
Betula	88	35	17	26	2	4								49	10																																																																																																																																																																																																											
Rhododendron	301	442	85	6										91	19																																																																																																																																																																																																											
Other Broadleaves																																																																																																																																																																																																																										
Total	1415	725	407	43	16	14	3	1	1	1				486	100																																																																																																																																																																																																											
Future Management & Monitoring of Activities																																																																																																																																																																																																																										
Manag. Option	No activities		Thinning activities to be initiated in the stand mostly in the Blue Pine stands.																																																																																																																																																																																																																							
	Improvement	tic																																																																																																																																																																																																																								
	Timber Use	tic																																																																																																																																																																																																																								
	Firewood Use	tic																																																																																																																																																																																																																								
	Silvopasture																																																																																																																																																																																																																									
	Sokshing	tic																																																																																																																																																																																																																								
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	370	4	84	1317																																																																																																																																																																																																																					
	Firewood																																																																																																																																																																																																																									
30-49	Cham	1810	22	79	2052																																																																																																																																																																																																																					
	Firewood	173	2		136																																																																																																																																																																																																																					
20-29	Tsim	2208	26	76	751																																																																																																																																																																																																																					
	Firewood	510	6		120																																																																																																																																																																																																																					
10-19	Poles, etc.	21230	255	89	1870																																																																																																																																																																																																																					
	Firewood	8964	108		624																																																																																																																																																																																																																					
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	16.7	20%																																																																																																																																																																																																																								
Felling	66.7	80%																																																																																																																																																																																																																								
Assessment carried out by			K.K Jogi									Year:		2020																																																																																																																																																																																																												

Sub-Compartment Record																
Geog	Chang	Comp.	2. Yusipang Phakha	Sub-Comp.	Yusipang Phakha	No.	2d									
Areas in ha																
Non Forest Area		Protection	14.8	In-operable	15.8	Production	86.9									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	12.6								
							Volume (m3/ha)	105.9								
							Volume conifer %	71%								
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock	18	Plantation		Type	%	%			
							Fir		Natural	100	Firewood		100			
							Spruce	27	Coppice		Bamboo					
							Mixed Conifer		Canopy	%	Cane					
							Blue Pine	32	Dense		Daphne					
							Chir Pine		Closed	50						
							Hardwood	23	Open	50						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young		Good	5	Grazing		100			
							Immature	36	Average	95	Shokshing					
							Mature	64	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	36	Stable	23	High												
Moderate	64	Moderate	77	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	%			
Chirpine																
Bluepine	32			6		2	1	0				9	5			
Hemlock			31	6	6	2	1	2		2		48	24			
Spruce	16			13	4	6	2	1		1		25	12			
Fir					6				1			6	3			
Other Conifers																
Oak	48	64	26	19	2		1		1			48	23			
Acer	161															
Betula			31	35	1							67	33			
Rhododendron	563	482														
Other Broadleaves																
Total	820	547	87	78	18	10	5	3	1	3		204	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Shokshing	tic														
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	730	8	83	2792											
	Firewood	69	1		263											
30-49	Cham	1730	20	79	1887											
	Firewood	164	2		129											
20-29	Tsim	4344	50	83	1474											
	Firewood	1287	15		426											
10-19	Poles, etc.	4469	51	76	415											
	Firewood	1341	15		109											
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	31.6	36%														
Felling	55.3	64%														
Assessment carried out by		K.K Jogi										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	2. Yusipang Phakha	Sub-Comp.	Yusipang Phakha	No.	2e									
Areas in ha																
Non Forest Area		Protection	14.4	In-operable	7.9	Production	62.9									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	14.8								
							Volume (m3/ha)	110.7								
							Volume conifer %	62%								
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood	38	63			
							Spruce		Coppice		Bamboo					
							Mixed Conifer	50	Canopy	%	Cane					
							Blue Pine	25	Dense		Daphne					
							Chir Pine		Closed	31						
							Hardwood	25	Open	69						
							Mixed H/C		Unstocked		Forest Use			I	E	
							Age Class	%	Condition	%	Type	%	%			
							Young	31	Good	31	Grazing		100			
							Immature	31	Average	69	Shokshing					
							Mature	38	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	63	Stable	63	High	13											
Moderate	38	Moderate	38	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	%			
Chirpine																
Bluepine	575		127	36	26	9	3		1	0		202	67			
Hemlock																
Spruce	133															
Fir					3							3	1			
Other Conifers																
Oak	442	309	50	15	25	3	4					96	32			
Acer	221															
Betula																
Rhododendron	707	884														
Other Broadleaves																
Total	2078	1194	177	53	51	13	6		1	0		301	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	167	3	73	572											
	Firewood	183	3		487											
30-49	Cham	1295	21	63	1244											
	Firewood	1211	19		1048											
20-29	Tsim	1122	18	67	354											
	Firewood	1122	18		364											
10-19	Poles, etc.	4007	64	76	335											
	Firewood	4452	71		366											
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	23.6	38%														
Felling	39.3	63%														
Assessment carried out by		K.K. Jogi										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	2. Yusipang Phakha	Sub-Comp.	Yusipang Phakha	No.	2f									
Areas in ha																
Non Forest Area		Protection	14.4	In-operable	12.3	Production	57.5									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	14.7								
							Volume (m3/ha)	105.1								
							Volume conifer %	85%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Other Broadleaves Rhododendron Betula Acer Oak Other Conifers Fir Spruce Hemlock Bluepine Chirpine 							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood	29	71			
							Spruce		Coppice		Bamboo					
							Mixed Conifer	14	Canopy	%	Cane					
							Blue Pine	71	Dense		Daphne					
							Chir Pine		Closed	29						
							Hardwood	14	Open	71						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	14	Good	36	Grazing	14	86			
							Immature	36	Average	64	Shokshing					
							Mature	50	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	50	Stable	50	High	7											
Moderate	50	Moderate	50	Moderate	93											
Steep		Unstable		Low												
Species	Height	N/ha per diameter class										Total (> 10cm)				
	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	%			
Chirpine																
Bluepine	253	253	105	58	24	14	3	0	0			205	59			
Hemlock																
Spruce	101	25		6	15							21	6			
Fir																
Other Conifers																
Oak	51	328	121			3			0			124	35			
Acer																
Betula																
Rhododendron	379	505														
Other Broadleaves																
Total	783	1112	226	64	39	17	3	0	1			350	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	147	3	85	410											
	Firewood	53	1		172											
30-49	Cham	1865	32	74	1726											
	Firewood	514	9		580											
20-29	Tsim	2343	41	73	744											
	Firewood	335	6		106											
10-19	Poles, etc.	3254	57	68	272											
	Firewood	5579	97		454											
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	12.3	21%														
Felling	45.2	79%														
Assessment carried out by				K.K Jogi										Year:	2020	

Sub-Compartment Record																
Geog	Chang	Comp.	2	Sub-Comp.	Yusipang Phakha	No.	2g									
Areas in ha																
Non Forest Area	0.4	Protection	11.8	In-operable	18.5	Production	73.9									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	13.7								
							Volume (m3/ha)	94.4								
							Volume conifer %	80%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood	45	55			
							Spruce		Coppice		Bamboo					
							Mixed Conifer	100	Canopy	%	Cane					
							Blue Pine		Dense	5	Daphne					
							Chir Pine		Closed	35						
							Hardwood		Open	60						
							Mixed H/C		Unstocked		Forest Use	I	E			
									Age Class	%	Condition	%	Type	%	%	
							Young	20	Good	30	Grazing	10	90			
							Immature	30	Average	70	Shokshing					
							Mature	50	Poor		Lopping					
							Overmature									
														Site Characteristics		
Slope	%	Erosiveness	%	Soil Cover	% %											
Gentle	50	Stable	40	High	5											
Moderate	50	Moderate	60	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	%			
Chirpine																
Bluepine	566	177	102	71	14	11	0	0				199	57			
Hemlock		53			1							1	0			
Spruce	195	18	51	4	2	2	0	0	0	0		60	17			
Fir																
Other Conifers																
Oak	195	88	45	39								84	24			
Acer	88															
Betula					3							3	1			
Rhododendron	477	212														
Other Broadleaves	53	88														
Total	1574	637	198	114	20	13	1	0	0	0		347	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	100	1	76	420											
	Firewood															
30-49	Cham	1512	20	72	1673											
	Firewood	230	3		172											
20-29	Tsim	3915	53	80	1239											
	Firewood	2861	39		934											
10-19	Poles, etc.	6275	85	69	536											
	Firewood	3765	51		311											
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	7.4	10%														
Felling	66.5	90%														
Assessment carried out by		K.K Jogi											Year:	2020		

Sub-Compartment Record																	
Geog	Chang		Comp.	2. Yusipang Phakha		Sub-Comp.	Yusipang Phakha		No.	2h							
Areas in ha																	
Non Forest Area	1.4		Protection	6.9		In-operable	12.1		Production	60.7							
Forest Composition and Description																	
								Stand data									
								Bas. Area (m2/ha)	13.6								
								Volume (m3/ha)	94.5								
								Volume conifer %	55%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p>								Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
								Hemlock		Plantation		Type	%	%			
								Fir		Natural	100	Firewood	27	73			
								Spruce		Coppice		Bamboo					
								Mixed Conifer	100	Canopy	%	Cane					
								Blue Pine		Dense		Daphne					
								Chir Pine		Closed	33						
								Hardwood		Open	67						
								Mixed H/C		Unstocked		Forest Use	I	E			
								Age Class	%	Condition	%	Type	%	%			
								Young	27	Good	33	Grazing		100			
								Immature	27	Average	67	Shokshing					
								Mature	47	Poor		Lopping					
								Overmature		Site Characteristics							
								Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	33	Stable	33	High	33												
Moderate	67	Moderate	67	Moderate	67												
Steep		Unstable		Low													
Species	Height	N/ha per diameter class										Total (> 10cm)					
	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	%				
Chirpine																	
Bluepine	283	424	136	16	10	1		0	0			163	43				
Hemlock	94	47		11	1		1					13	3				
Spruce	236	165	53	5	1		1	1	1			62	16				
Fir																	
Other Conifers																	
Oak	212	118	68	52	15	4			0			139	37				
Acer																	
Betula																	
Rhododendron	259	589															
Other Broadleaves																	
Total	1085	1344	257	84	28	5	1	2	2			378	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities																
	Improvement	tic															
	Timber Use	tic															
	Firewood Use	tic															
	Silvopasture																
	Sokshing	tic															
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	196	3	83	717												
	Firewood	18	0		94												
30-49	Cham	724	12	87	581												
	Firewood	1012	17		969												
20-29	Tsim	1319	22	74	430												
	Firewood	2473	41		818												
10-19	Poles, etc.	9619	158	85	819												
	Firewood	3664	60		297												
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	20.2	33%															
Felling	40.5	67%															
Assessment carried out by			K.K Jogi										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	3. Ngabiphu	Sub-Comp.	Ngabiphu	No.	3a									
Areas in ha																
Non Forest Area		Protection	8.3	In-operable	8.7	Production	78.6									
Forest Composition and Description																
						Stand data										
						Bas. Area (m2/ha)					18.1					
						Volume (m3/ha)					121.2					
						Volume conifer %	79%									
<p>Number of trees/ha by diameter class (dbh>10cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood		100				
						Spruce		Coppice		Bamboo						
						Mixed Conifer	17	Canopy	%	Cane						
						Blue Pine	83	Dense		Daphne						
						Chir Pine		Closed								
						Hardwood		Open	100							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good	100	Grazing	11	89				
						Immature	78	Average		Shokshing						
						Mature	22	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	% %					
Gentle	56	Stable	28	High	6											
Moderate	28	Moderate	72	Moderate	94											
Steep	17	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	%			
Chirpine																
Bluepine	589	589	163	59	23	2	1	2	1			251	45			
Hemlock		20				1			0			2	0			
Spruce	20	275	31	2	1	2	2	1	0	2		41	7			
Fir																
Other Conifers																
Oak	255		31	2	1							35	6			
Acer		138	6	2	2							11	2			
Betula																
Rhododendron		275	50	5								55	10			
Other Broadleaves		39	157	5	1							163	29			
Total	865	1336	440	75	29	6	3	3	1	2		558	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	640	8	97	2591											
	Firewood															
30-49	Cham	2508	32	96	2118											
	Firewood	91	1		60											
20-29	Tsim	5160	66	100	1636											
	Firewood	712	9		182											
10-19	Poles, etc.	18287	233	100	1552											
	Firewood	16310	207		1142											
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	39.3	50%														
Felling	39.3	50%														
Assessment carried out by		Namgay											Year:	2020		

Sub-Compartment Record																	
Geog	Chang	Comp.	3. Ngabiphu	Sub-Comp.	Ngabiphu	No.	3b										
Areas in ha																	
Non Forest Area		Protection	34.6	In-operable	14.9	Production	59.7										
Forest Composition and Description																	
						Stand data											
						Bas. Area (m2/ha)	17.5										
						Volume (m3/ha)	125.3										
						Volume conifer %	50%										
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
						Fir		Natural	100	Firewood	56	44					
						Spruce		Coppice		Bamboo							
						Mixed Conifer	75	Canopy	%	Cane							
						Blue Pine	13	Dense		Daphne							
						Chir Pine		Closed	13								
						Hardwood	13	Open	88								
						Mixed H/C		Unstocked		Forest Use	I	E					
						Age Class	%	Condition	%	Type	%	%					
						Young	13	Good	88	Grazing		100					
						Immature	63	Average	13	Shokshing							
						Mature	25	Poor		Lopping							
						Overmature		Site Characteristics									
						Slope	%	Erosiveness	%	Soil Cover	% %						
Gentle	25	Stable	13	High	13												
Moderate	44	Moderate	88	Moderate	44												
Steep	31	Unstable		Low	44												
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	%				
Chirpine																	
Bluepine	906	663	50	20	4	2	2	1	0			79	18				
Hemlock	221	155	35	3			1	0				39	9				
Spruce	111	44	21	5	4	4	2	1	1	1		38	9				
Fir																	
Other Conifers																	
Oak	66	88	106	28	6	5	1	1	0			147	33				
Acer		155															
Betula																	
Rhododendron	111	442	71		4							75	17				
Other Broadleaves			42	18	3	3	1	0	0			68	15				
Total	1415	1547	325	74	21	14	7	2	2	1		446	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities																
	Improvement	tic															
	Timber Use	tic															
	Firewood Use	tic															
	Silvopasture																
	Sokshing	tic															
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	723	12	100	2457												
	Firewood																
30-49	Cham	1510	25	72	1639												
	Firewood																
20-29	Tsim	3343	56	76	1093												
	Firewood																
10-19	Poles, etc.	12664	212	65	1070												
	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	37.3	63%															
Felling	22.4	38%															
Assessment carried out by		Namgay											Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	3. Ngabiphu	Sub-Comp.	Ngabiphu	No.	3c									
Areas in ha																
Non Forest Area		Protection	32.9	In-operable	4.0	Production	64.1									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	22.6								
							Volume (m3/ha)	183.0								
							Volume conifer %	77%								
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood	56	44			
							Spruce		Coppice		Bamboo	63				
							Mixed Conifer	75	Canopy	%	Cane					
							Blue Pine	13	Dense		Daphne					
							Chir Pine		Closed	63						
							Hardwood	13	Open	38						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young		Good	100	Grazing		100			
							Immature	63	Average		Shokshing					
							Mature	38	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	25	Stable	56	High												
Moderate	44	Moderate	44	Moderate	69											
Steep	31	Unstable		Low	31											
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	%			
Chirpine																
Bluepine	354	663	21	5	4	2	3	1	1	0		37	9			
Hemlock	332	243	28	18	14	6	3	1	2	2		75	19			
Spruce			7	8	5	5	4	2	2	1		33	8			
Fir							1					1	0			
Other Conifers			7		3		1					10	3			
Oak	111	44	50	10	3	2	1		0			66	16			
Acer		155														
Betula																
Rhododendron	22	486	35									35	9			
Other Broadleaves		22	106	31	5	2			0			144	36			
Total	818	1614	255	71	34	18	12	4	5	4		403	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	1446	23	98	5446											
	Firewood	104	2		326											
30-49	Cham	2022	32	65	2091											
	Firewood	151	2		221											
20-29	Tsim	1469	23	32	492											
	Firewood															
10-19	Poles, etc.	3174	50	19	283											
	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	32.0	50%														
Felling	32.0	50%														
Assessment carried out by		Namgay											Year:	2020		

Sub-Compartment Record																
Geog	Chang	Comp.	3. Ngabiphu	Sub-Comp.	Ngabiphu	No.	3d									
Areas in ha																
Non Forest Area	2.5	Protection	61.1	In-operable		Production	38.1									
Forest Composition and Description																
						Stand data										
						Bas. Area (m2/ha)	20.4									
						Volume (m3/ha)	146.6									
						Volume conifer %	62%									
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock	13	Plantation		Type	%	%				
						Fir		Natural	100	Firewood	53	47				
						Spruce	13	Coppice		Bamboo	87					
						Mixed Conifer	47	Canopy	%	Cane						
						Blue Pine	13	Dense		Daphne						
						Chir Pine		Closed	33							
						Hardwood	13	Open	67							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good	100	Grazing		100				
						Immature	67	Average		Shokshing						
						Mature	33	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	47	Stable	67	High												
Moderate	47	Moderate	33	Moderate	87											
Steep	7	Unstable		Low	13											
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	%			
Chirpine																
Bluepine	472	354	45	14	3	3	2		1			68	13			
Hemlock	212	236	8	3	4	2	1	0				18	3			
Spruce	165	118	113	16	7	7	3	1	2	1		149	28			
Fir																
Other Conifers																
Oak	236	141	68	27	12	4	1	1				114	21			
Acer																
Betula																
Rhododendron		71	53	3	1	2						59	11			
Other Broadleaves		283	113	14	1	1						129	24			
Total	1085	1203	400	76	29	18	7	2	2	1		536	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	474	12	100	1610											
	Firewood															
30-49	Cham	607	16	34	892											
	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	17.8	47%														
Felling	20.3	53%														
Assessment carried out by				Namgay										Year:	2020	

Sub-Compartment Record																																																																																																																																															
Geog	Chang	Comp.	3. Ngabiphu	Sub-Comp.	Ngabiphu	No.	3e																																																																																																																																								
Areas in ha																																																																																																																																															
Non Forest Area	0.3	Protection	13.1	In-operable		Production	89.0																																																																																																																																								
Forest Composition and Description																																																																																																																																															
							Stand data																																																																																																																																								
							Bas. Area (m2/ha)	19.1																																																																																																																																							
							Volume (m3/ha)	162.3																																																																																																																																							
							Volume conifer %	75%																																																																																																																																							
							<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>17</td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td>35</td> <td>65</td> </tr> <tr> <td>Spruce</td> <td>17</td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td>70</td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td>35</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td>13</td> <td>Dense</td> <td>4</td> <td>Daphne</td> <td>4</td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>70</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td>17</td> <td>Open</td> <td>26</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td></td> <th colspan="3">Forest Use</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <th>I</th> <th>E</th> <td></td> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td></td> <td>Good</td> <td>87</td> <td>Grazing</td> <td>13</td> <td>87</td> </tr> <tr> <td>Immature</td> <td>78</td> <td>Average</td> <td>13</td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>22</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="4">Site Characteristics</th> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th colspan="2">%</th> </tr> <tr> <td>Gentle</td> <td>22</td> <td>Stable</td> <td>70</td> <td>High</td> <td colspan="2"></td> </tr> <tr> <td>Moderate</td> <td>52</td> <td>Moderate</td> <td>22</td> <td>Moderate</td> <td colspan="2">70</td> </tr> <tr> <td>Steep</td> <td>26</td> <td>Unstable</td> <td>4</td> <td>Low</td> <td colspan="2">30</td> </tr> </tbody> </table>			Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock	17	Plantation		Type	%	%	Fir		Natural	100	Firewood	35	65	Spruce	17	Coppice		Bamboo	70		Mixed Conifer	35	Canopy	%	Cane			Blue Pine	13	Dense	4	Daphne	4		Chir Pine		Closed	70				Hardwood	17	Open	26				Mixed H/C		Unstocked		Forest Use							I	E		Age Class	%	Condition	%	Type	%	%	Young		Good	87	Grazing	13	87	Immature	78	Average	13	Shokshing			Mature	22	Poor		Lopping			Overmature		Site Characteristics						Slope	%	Erosiveness	%	Soil Cover	%		Gentle	22	Stable	70	High			Moderate	52	Moderate	22	Moderate	70		Steep	26	Unstable	4	Low	30	
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																									
Hemlock	17	Plantation		Type	%	%																																																																																																																																									
Fir		Natural	100	Firewood	35	65																																																																																																																																									
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Blue Pine	13	Dense	4	Daphne	4																																																																																																																																										
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Age Class	%	Condition	%	Type	%	%																																																																																																																																									
Young		Good	87	Grazing	13	87																																																																																																																																									
Immature	78	Average	13	Shokshing																																																																																																																																											
Mature	22	Poor		Lopping																																																																																																																																											
Overmature		Site Characteristics																																																																																																																																													
Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																										
Gentle	22	Stable	70	High																																																																																																																																											
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Steep	26	Unstable	4	Low	30																																																																																																																																										
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	%																																																																																																																																		
Chirpine																																																																																																																																															
Bluepine	15		5	5	2	1	1	0		0		14	4																																																																																																																																		
Hemlock			20	25	5	2	1	1	0	0		54	17																																																																																																																																		
Spruce		46	79	32	14	9	4	3	2	2		144	45																																																																																																																																		
Fir			5		2			0				7	2																																																																																																																																		
Other Conifers																																																																																																																																															
Oak		62	39	7	7	5	1	2	1	0		62	19																																																																																																																																		
Acer		46		2		1						2	1																																																																																																																																		
Betula			15	2		1						17	5																																																																																																																																		
Rhododendron		46		2								2	1																																																																																																																																		
Other Broadleaves	92	15	5	11	1	1			0			17	5																																																																																																																																		
Total	108	215	167	85	31	18	7	6	3	2		319	100																																																																																																																																		
Future Management & Monitoring of Activities																																																																																																																																															
Manag. Option	No activities																																																																																																																																														
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	Sokshing	tic																																																																																																																																													
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	1611	18	100	6113																																																																																																																																										
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30-49	Cham	1363	15	31	2005																																																																																																																																										
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Planting																																																																																																																																															
Thinning	58.1	65%																																																																																																																																													
Felling	31.0	35%																																																																																																																																													
Assessment carried out by		Namgay											Year:	2020																																																																																																																																	

Sub-Compartment Record																																																																																																																																															
Geog	Chang	Comp.	3. Ngabiphu	Sub-Comp.	Ngabiphu	No.	3f																																																																																																																																								
Areas in ha																																																																																																																																															
Non Forest Area	0.9	Protection	11.2	In-operable	11.6	Production	69.4																																																																																																																																								
Forest Composition and Description																																																																																																																																															
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							Volume (m3/ha)	183.9																																																																																																																																							
							Volume conifer %	69%																																																																																																																																							
							<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td></td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td>22</td> <td>78</td> </tr> <tr> <td>Spruce</td> <td></td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td>50</td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td>100</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td></td> <td>Dense</td> <td>22</td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>78</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td></td> <td>Open</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td></td> <th colspan="3">Forest Use</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <th>I</th> <th>E</th> <td></td> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td></td> <td>Good</td> <td>100</td> <td>Grazing</td> <td>11</td> <td>89</td> </tr> <tr> <td>Immature</td> <td>22</td> <td>Average</td> <td></td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>78</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="4">Site Characteristics</th> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th colspan="2">%</th> </tr> <tr> <td>Gentle</td> <td>33</td> <td>Stable</td> <td>56</td> <td>High</td> <td colspan="2">11</td> </tr> <tr> <td>Moderate</td> <td>56</td> <td>Moderate</td> <td>44</td> <td>Moderate</td> <td colspan="2">67</td> </tr> <tr> <td>Steep</td> <td>11</td> <td>Unstable</td> <td></td> <td>Low</td> <td colspan="2">22</td> </tr> </tbody> </table>			Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock		Plantation		Type	%	%	Fir		Natural	100	Firewood	22	78	Spruce		Coppice		Bamboo	50		Mixed Conifer	100	Canopy	%	Cane			Blue Pine		Dense	22	Daphne			Chir Pine		Closed	78				Hardwood		Open					Mixed H/C		Unstocked		Forest Use							I	E		Age Class	%	Condition	%	Type	%	%	Young		Good	100	Grazing	11	89	Immature	22	Average		Shokshing			Mature	78	Poor		Lopping			Overmature		Site Characteristics						Slope	%	Erosiveness	%	Soil Cover	%		Gentle	33	Stable	56	High	11		Moderate	56	Moderate	44	Moderate	67		Steep	11	Unstable		Low	22	
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																									
Hemlock		Plantation		Type	%	%																																																																																																																																									
Fir		Natural	100	Firewood	22	78																																																																																																																																									
Spruce		Coppice		Bamboo	50																																																																																																																																										
Mixed Conifer	100	Canopy	%	Cane																																																																																																																																											
Blue Pine		Dense	22	Daphne																																																																																																																																											
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Mixed H/C		Unstocked		Forest Use																																																																																																																																											
				I	E																																																																																																																																										
Age Class	%	Condition	%	Type	%	%																																																																																																																																									
Young		Good	100	Grazing	11	89																																																																																																																																									
Immature	22	Average		Shokshing																																																																																																																																											
Mature	78	Poor		Lopping																																																																																																																																											
Overmature		Site Characteristics																																																																																																																																													
Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																										
Gentle	33	Stable	56	High	11																																																																																																																																										
Moderate	56	Moderate	44	Moderate	67																																																																																																																																										
Steep	11	Unstable		Low	22																																																																																																																																										
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	%																																																																																																																																		
Chirpine																																																																																																																																															
Bluepine		39	13	14	8	2				0	37	14																																																																																																																																			
Hemlock	98	20	13	11	6	5	3	4			46	17																																																																																																																																			
Spruce	20	59		5	3	1	3	2	1	1	16	6																																																																																																																																			
Fir			6	5	1	2	3	1	1		20	7																																																																																																																																			
Other Conifers			6	7		2	0				16	6																																																																																																																																			
Oak		39	6	2	2	3	2	0	1	0	17	6																																																																																																																																			
Acer				5	6	4		1	0		15	6																																																																																																																																			
Betula			6	7	5	1					18	7																																																																																																																																			
Rhododendron	59																																																																																																																																														
Other Broadleaves			57	23	2	2				0	84	31																																																																																																																																			
Total	118	216	107	77	33	23	14	7	6	1	269	100																																																																																																																																			
Future Management & Monitoring of Activities																																																																																																																																															
Manag. Option	No activities																																																																																																																																														
	Improvement	tic																																																																																																																																													
	Timber Use	tic																																																																																																																																													
	Firewood Use	tic																																																																																																																																													
	Silvopasture																																																																																																																																														
	Sokshing	tic																																																																																																																																													
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	1605	23	92	5331																																																																																																																																										
	Firewood	183	3		683																																																																																																																																										
30-49	Cham	983	14	32	1136																																																																																																																																										
	Firewood	274	4		347																																																																																																																																										
20-29	Tsim																																																																																																																																														
	Firewood																																																																																																																																														
10-19	Poles, etc.																																																																																																																																														
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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	30.9	44%																																																																																																																																													
Felling	38.6	56%																																																																																																																																													
Assessment carried out by		Namgay										Year:	2020																																																																																																																																		

Sub-Compartment Record																
Geog	Chang	Comp.	4. Serbithang	Sub-Comp.	Serbithang	No.	4a									
Areas in ha																
Non Forest Area	2.1	Protection	10.8	In-operable		Production	82.5									
Forest Composition and Description																
The forest stand comprises mostly of Mixed conifer forest (43%). Blue pine stand is also present at the lower elevation. Fir forest comprise of 5% of the total compartment and mixed hardwood mostly of oak comprises 29%.						Stand data										
						Bas. Area (m2/ha)	10.1									
						Volume (m3/ha)	66.2									
						Volume conifer %	81%									
<p>Number of trees/ha by diameter class (dbh>10cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	19	81				
						Spruce		Coppice		Bamboo		10				
						Mixed Conifer	10	Canopy	%	Cane						
						Blue Pine	62	Dense		Daphne						
						Chir Pine		Closed	76							
						Hardwood		Open	24							
						Mixed H/C	29	Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	43	Good	43	Grazing	33	67				
						Immature	48	Average	57	Shokshing						
						Mature	10	Poor		Lopping						
						Overmature				Site Characteristics						
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	76	Stable	100	High	33											
Moderate	24	Moderate		Moderate	67											
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	%			
Chirpine																
Bluepine	17	236	146	23	15	5	2	1	0				193	60		
Hemlock		51	5										5	2		
Spruce		17	5		1		0	1					7	2		
Fir																
Other Conifers																
Oak		286	49	4	2	1							55	17		
Acer																
Betula																
Rhododendron		135	49										49	15		
Other Broadleaves			11			1							11	4		
Total	17	724	264	27	18	7	3	2	0				320	100		
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning activities to be initiated in the stand mostly in the Blue Pine stands.													
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Shokshing	tic														
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	278	3	71	809											
	Firewood															
30-49	Cham	1375	17	81	1310											
	Firewood	262	3		262											
20-29	Tsim	1441	17	79	454											
	Firewood	320	4		106											
10-19	Poles, etc.	10228	124	82	861											
	Firewood	7560	92		566											
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	47.1	57%														
Felling	35.4	43%														
Assessment carried out by		Kezang Phuntsho										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	4. Serbithang	Sub-Comp.	Serbithang	No.	4b									
Areas in ha																
Non Forest Area		Protection	9.1	In-operable		Production	79.6									
Forest Composition and Description																
The forest stand comprises mostly of Mixed conifer forest (43%). Blue pine stand is also present at the lower elevation. Fir forest comprise of 5% of the total compartment and mixed hardwood mostly of oak comprises 29%.						Stand data										
						Bas. Area (m2/ha)	12.6									
						Volume (m3/ha)	98.2									
						Volume conifer %	74%									
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock	5	Plantation		Type	%	%				
						Fir		Natural	100	Firewood	19	81				
						Spruce		Coppice		Bamboo	24	19				
						Mixed Conifer	38	Canopy	%	Cane						
						Blue Pine	24	Dense		Daphne		19				
						Chir Pine		Closed	76							
						Hardwood	33	Open	24							
						Mixed H/C		Unstocked		Forest Use						
										I	E					
						Age Class	%	Condition	%	Type	%	%				
						Young	10	Good	62	Grazing	33	67				
						Immature	52	Average	38	Shokshing						
						Mature	33	Poor		Lopping						
						Overmature	5	Site Characteristics								
Slope	%	Erosiveness	%	Soil Cover	%											
Gentle	67	Stable	95	High	57											
Moderate	33	Moderate	5	Moderate	43											
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	%			
Chirpine																
Bluepine		202	59	27	7	2	4	2				102	40			
Hemlock	84	118		6	3		1		0			10	4			
Spruce	17	17	38	2	1	5	2	1	0	0		50	20			
Fir																
Other Conifers																
Oak	17	185	38	21	7	4	0	0				71	28			
Acer																
Betula																
Rhododendron	303	236	22									22	8			
Other Broadleaves																
Total	421	758	156	56	18	11	8	4	1	0		254	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning activities to be initiated in the stand mostly in the Blue Pine stands.													
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	727	9	77	2039											
	Firewood	57	1		241											
30-49	Cham	1043	13	67	1038											
	Firewood	491	6		613											
20-29	Tsim	2471	31	90	798											
	Firewood	1545	19		511											
10-19	Poles, etc.	7294	92	86	624											
	Firewood	3432	43		267											
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	45.5	57%														
Felling	34.1	43%														
Assessment carried out by		Kezang Phuntsho										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	4. Serbithang	Sub-Comp.	Serbithang	No.	4c									
Areas in ha																
Non Forest Area	0.4	Protection		In-operable		Production	92.0									
Forest Composition and Description																
The forest stand comprises mostly of Mixed conifer forest (43%). Blue pine stand is also present at the lower elevation. Fir forest comprise of 5% of the total compartment and mixed hardwood mostly of oak comprises 29%.						Stand data										
						Bas. Area (m2/ha)	8.0									
						Volume (m3/ha)	69.1									
						Volume conifer %	83%									
<p>Number of trees/ha by diameter class (dbh>10cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock	4	Plantation		Type	%	%				
						Fir		Natural	100	Firewood	26	74				
						Spruce	26	Coppice		Bamboo	35	22				
						Mixed Conifer	70	Canopy	%	Cane						
						Blue Pine		Dense		Daphne						
						Chir Pine		Closed	43							
						Hardwood		Open	43							
						Mixed H/C		Unstocked	13	Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	22	Good	43	Grazing	30	70				
						Immature	43	Average	52	Shokshing						
						Mature	35	Poor	4	Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	91	Stable	100	High	52											
Moderate	9	Moderate		Moderate	48											
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	%			
Chirpine																
Bluepine	31	123	10	2	3	1	1	0	0			17	14			
Hemlock			5	4			1	1	0	0		11	9			
Spruce		46	34	9	5	7	2	2	0			60	51			
Fir							0					0	0			
Other Conifers		15					0					0	0			
Oak	15	15	10	2	2	1		1	0			15	13			
Acer																
Betula							0		0			1	0			
Rhododendron	277	215														
Other Broadleaves			10	2	2	1						14	12			
Total	323	415	69	18	12	10	5	4	1	0		119	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities	Thinning activities to be initiated in the stand mostly in the Blue Pine stands.														
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	543	6	68	1559											
	Firewood	109	1		426											
30-49	Cham	952	10	68	1076											
	Firewood	400	4		395											
20-29	Tsim	815	9	60	278											
	Firewood	163	2		54											
10-19	Poles, etc.	4074	44	93	360											
	Firewood	1811	20		138											
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	52.0	57%														
Felling	40.0	43%														
Assessment carried out by					Kezang Phuntsho										Year:	2020

Sub-Compartment Record																
Geog	Chang	Comp.	4. Serbithang	Sub-Comp.	Serbithang	No.	4d									
Areas in ha																
Non Forest Area	0.0	Protection	1.9	In-operable		Production	103.3									
Forest Composition and Description																
The forest stand comprises mostly of Mixed conifer forest (43%). Blue pine stand is also present at the lower elevation. Fir forest comprise of 5% of the total compartment and mixed hardwood mostly of oak comprises 29%.						Stand data										
						Bas. Area (m2/ha)	9.8									
						Volume (m3/ha)	87.9									
						Volume conifer %	70%									
<p>Number of trees/ha by diameter class (dbh>10cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock	4	Plantation		Type	%	%				
						Fir	8	Natural	100	Firewood	31	69				
						Spruce	19	Coppice		Bamboo	23	27				
						Mixed Conifer	42	Canopy	%	Cane						
						Blue Pine		Dense		Daphne		4				
						Chir Pine		Closed	85							
						Hardwood		Open	15							
						Mixed H/C	27	Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	15	Good	58	Grazing	38	62				
						Immature	35	Average	42	Shokshing						
						Mature	35	Poor		Lopping						
						Overmature	15	Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	81	Stable	100	High	23											
Moderate	19	Moderate		Moderate	73											
Steep		Unstable		Low	4											
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	%			
Chirpine																
Bluepine			26	2	4	0			0			32	24			
Hemlock		14	4	5	2	0	1	0		0		14	10			
Spruce		27	22	9	6	5	3	3		1		49	36			
Fir																
Other Conifers	14					0						0	0			
Oak			17	3	3	1	1	2	1	0		29	21			
Acer																
Betula																
Rhododendron	394	163		3	1	0						4	3			
Other Broadleaves				6	1							7	5			
Total	408	204	70	28	17	8	5	5	1	2		136	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning activities to be initiated in the stand mostly in the Blue Pine stands.													
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	651	6	77	2441											
	Firewood	366	4		1497											
30-49	Cham	1838	18	88	1840											
	Firewood	447	4		448											
20-29	Tsim	1294	13	72	446											
	Firewood	809	8		240											
10-19	Poles, etc.	4944	48	81	424											
	Firewood	899	9		73											
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	63.5	62%														
Felling	39.7	38%														
Assessment carried out by					Kezang Phuntsho								Year:	2020		

Sub-Compartment Record																
Geog	Chang	Comp.	4. Serbithang	Sub-Comp.	Serbithang	No.	4e									
Areas in ha																
Non Forest Area		Protection	0.4	In-operable		Production	81.7									
Forest Composition and Description																
The forest stand comprises mostly of Mixed conifer forest (43%). Blue pine stand is also present at the lower elevation. Fir forest comprise of 5% of the total compartment and mixed hardwood mostly of oak comprises 29%.						Stand data										
						Bas. Area (m2/ha)	12.0									
						Volume (m3/ha)	114.5									
						Volume conifer %	75%									
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	19	81				
						Spruce	19	Coppice		Bamboo	62	19				
						Mixed Conifer	33	Canopy	%	Cane						
						Blue Pine		Dense	5	Daphne						
						Chir Pine		Closed	95							
						Hardwood		Open								
						Mixed H/C	48	Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good	48	Grazing	81	19				
						Immature	5	Average	52	Shokshing						
						Mature	71	Poor		Lopping						
						Overmature	24	Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	81	Stable	90	High	29											
Moderate	19	Moderate	10	Moderate	71											
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	%			
Chirpine																
Bluepine		34	11		1	1	0	1	0	1		15	12			
Hemlock	17	101	27	6	4	2	2	1				42	33			
Spruce		34			2	4	5	4	2	1		18	14			
Fir																
Other Conifers																
Oak		34	22	8	7	4	1	1	0	0		43	34			
Acer					2							2	2			
Betula																
Rhododendron	51	51	5	2								7	6			
Other Broadleaves																
Total	67	253	65	16	16	11	8	7	2	2		127	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning activities to be initiated in the stand mostly in the Blue Pine stands.													
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	1165	14	85	4337											
	Firewood	259	3		1037											
30-49	Cham	764	9	92	900											
	Firewood	1232	15		1188											
20-29	Tsim	476	6	100	162											
	Firewood	793	10		247											
10-19	Poles, etc.	2642	32	75	238											
	Firewood	1321	16		107											
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	38.9	48%														
Felling	42.8	52%														
Assessment carried out by		Kezang Phuntsho										Year:	2020			

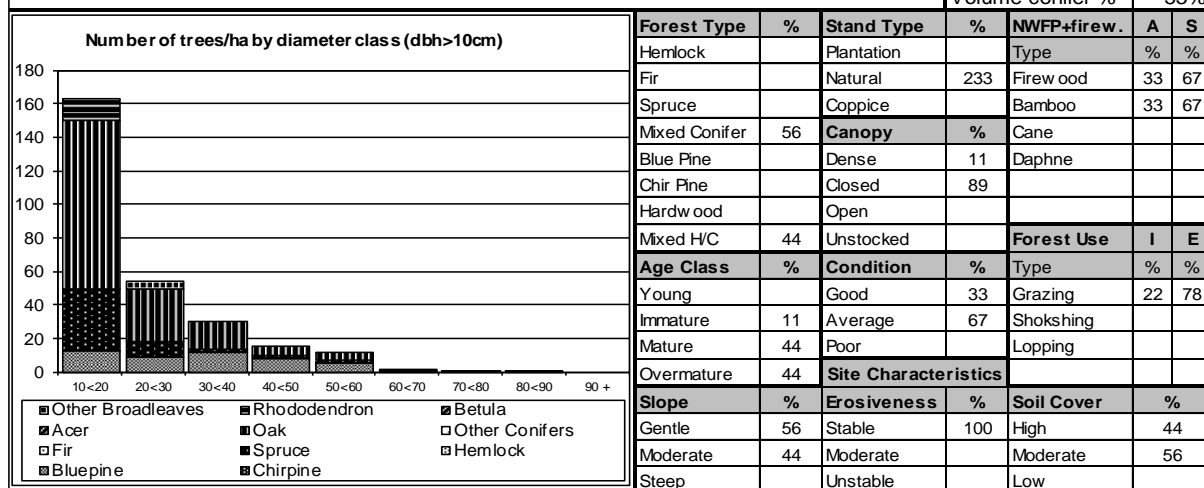
Sub-Compartment Record

Geog	Chang	Comp.	4. Serbithang	Sub-Comp.	Serbithang	No.	4f
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Areas in ha							
Non Forest Area	2.1	Protection	12.0	In-operable	10.4	Production	46.7

Forest Composition and Description

The forest stand comprises mostly of Mixed conifer forest (43%). Blue pine stand is also present at the lower elevation. Fir forest comprise of 5% of the total compartment and mixed hardwood mostly of oak comprises 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	%		
Chirpine															
Bluepine	904	550	13	9	12	8	6	1						49	17
Hemlock		39													
Spruce	196	79	38	9	2	1	2		1	0				53	19
Fir															
Other Conifers															
Oak		79	101	32	16	6	5	1						159	57
Acer															
Betula															
Rhododendron		196	13											13	5
Other Broadleaves				5										5	2
Total	1100	943	163	54	30	15	12	2	1	0				278	100

Future Management & Monitoring of Activities

Manag. Option	No activities		Thinning activities to be initiated in the stand mostly in the Blue Pine stands.
	Improvement	tic	
	Timber Use	tic	
	Firewood Use	tic	
	Silvopasture		
	Sokshing	tic	

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	454	10	100	1282											
	Firewood	250	5		634											
30-49	Cham	823	18	77	901											
	Firewood	800	17		807											
20-29	Tsim	845	18	75	280											
	Firewood	1057	23		349											
10-19	Poles, etc.	3522	75	92	301											
	Firewood	3522	75		277											

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	31.1	67%													
Felling	15.6	33%													

Assessment carried out by Kezang Phuntsho **Year:** 2020

Sub-Compartment Record																
Geog	Chang	Comp.	4. Serbithang	Sub-Comp.	Serbithang	No.	4g									
Areas in ha																
Non Forest Area	2.3	Protection	16.8	In-operable		Production	51.4									
Forest Composition and Description																
The forest stand comprises mostly of Mixed conifer forest (43%). Blue pine stand is also present at the lower elevation. Fir forest comprise of 5% of the total compartment and mixed hardwood mostly of oak comprises 29%.						Stand data										
						Bas. Area (m2/ha)	16.5									
						Volume (m3/ha)	108.9									
						Volume conifer %	67%									
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	27	73				
						Spruce		Coppice		Bamboo	18	27				
						Mixed Conifer	9	Canopy	%	Cane						
						Blue Pine	55	Dense		Daphne						
						Chir Pine		Closed	55							
						Hardwood		Open	45							
						Mixed H/C	36	Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	36	Good	45	Grazing	36	64				
						Immature	45	Average	55	Shokshing						
						Mature	18	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	82	Stable	100	High	27											
Moderate	18	Moderate		Moderate	73											
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	%			
Chirpine																
Bluepine		289	175	48	19	10	2	2				256	56			
Hemlock		64	10		2							12	3			
Spruce		32		4								4	1			
Fir																
Other Conifers																
Oak	64	257	51	37	2	1						92	20			
Acer																
Betula																
Rhododendron		225	72	15								87	19			
Other Broadleaves					2	1		1		0		4	1			
Total	64	868	309	104	25	13	2	3	0	0	0	455	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities	Thinning activities to be initiated in the stand mostly in the Blue Pine stands.														
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	202	4	100	557											
	Firewood	73	1		261											
30-49	Cham	1382	27	89	1320											
	Firewood	312	6		299											
20-29	Tsim	2284	44	71	729											
	Firewood	1523	30		485											
10-19	Poles, etc.	4759	93	70	398											
	Firewood	6345	123		478											
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	28.0	55%														
Felling	23.4	45%														
Assessment carried out by		Kezang Phuntsho										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	4. Serbithang	Sub-Comp.	Serbithang	No.	4h									
Areas in ha																
Non Forest Area	7.3	Protection	31.0	In-operable		Production	5.7									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	8.0								
							Volume (m3/ha)	46.7								
							Volume conifer %	100%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Other Broadleaves Rhododendron Betula Acer Oak Other Conifers Fir Spruce Hemlock Bluepine Chirpine 							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood		100			
							Spruce		Coppice		Bamboo					
							Mixed Conifer		Canopy	%	Cane					
							Blue Pine	100	Dense		Daphne					
							Chir Pine		Closed							
							Hardwood		Open	100						
							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		Stable	100	High	100											
Moderate	100	Moderate		Moderate												
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	%			
Chirpine																
Bluepine		1061	340			13						352	100			
Hemlock																
Spruce																
Fir																
Other Conifers																
Oak	707	2829														
Acer																
Betula																
Rhododendron		2476														
Other Broadleaves																
Total	707	6366	340			13						352	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	72	13	100	105											
	Firewood															
20-29	Tsim			###												
	Firewood															
10-19	Poles, etc.	650	113	33	54											
	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	5.7	100%														
Thinning																
Felling																
Assessment carried out by		Kezang Phuntsho										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	5. Ramtokto	Sub-Comp.	Ramtokto	No.	5b									
Areas in ha																
Non Forest Area	0.1	Protection	89.7	In-operable		Production	7.8									
Forest Composition and Description																
						Stand data										
						Bas. Area (m2/ha)				15.0						
						Volume (m3/ha)				89.4						
						Volume conifer %				57%						
<p>Number of trees/ha by diameter class (dbh>10cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood		100				
						Spruce		Coppice		Bamboo						
						Mixed Conifer		Canopy	%	Cane						
						Blue Pine	100	Dense		Daphne						
						Chir Pine		Closed	50							
						Hardwood		Open	50							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	100	Good		Grazing		100				
						Immature		Average	50	Shokshing						
						Mature		Poor	50	Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	100	Stable	100	High	100											
Moderate		Moderate		Moderate												
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	%			
Chirpine																
Bluepine	2829	354	283	61	10							354	65			
Hemlock																
Spruce																
Fir																
Other Conifers																
Oak			57		10	13						80	15			
Acer																
Betula																
Rhododendron	177	354	113									113	21			
Other Broadleaves	1061	177														
Total	4067	884	453	61	21	13						547	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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			38												
	Firewood	98	13		143											
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	7.8	100%														
Thinning																
Felling																
Assessment carried out by		Chengala										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	5. Ramtokto	Sub-Comp.	Ramtokto	No.	5c									
Areas in ha																
Non Forest Area		Protection	7.8	In-operable		Production	69.0									
Forest Composition and Description																
The forest stand comprises mostly of Mixed conifer forest (43%). Blue pine stand is also present at the lower elevation. Fir forest comprise of 5% of the total compartment and mixed hardwood mostly of oak comprises 29%.						Stand data										
						Bas. Area (m2/ha)	26.9									
						Volume (m3/ha)	140.6									
						Volume conifer %	71%									
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood		100				
						Spruce		Coppice		Bamboo						
						Mixed Conifer	26	Canopy	%	Cane						
						Blue Pine	74	Dense		Daphne						
						Chir Pine		Closed	89							
						Hardwood		Open	11							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	53	Good	42	Grazing	11	89				
						Immature	47	Average	58	Shokshing						
						Mature		Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	32	Stable	79	High	84											
Moderate	47	Moderate	21	Moderate	16											
Steep	21	Unstable		Low												
Species	Height	N/ha per diameter class										Total (> 10cm)				
	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	%			
Chirpine																
Bluepine	1024	316	471	105	8	4	1					588	49			
Hemlock		37	18									18	1			
Spruce	633	205	95	4	1	1						102	8			
Fir																
Other Conifers																
Oak	56	74	83	4		1						89	7			
Acer	19															
Betula																
Rhododendron	56	74	83									83	7			
Other Broadleaves	168	37	328	4								332	27			
Total	1955	745	1078	118	9	7	1					1212	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning activities to be initiated in the stand mostly in the Blue Pine stands.													
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
Sokshing	tic															
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			9													
Cham																
Firewood	91	1		134												
20-29																
Tsim																
Firewood																
10-19			1													
Poles, etc.	411	6		37												
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	36.3	53%														
Felling	32.7	47%														
Assessment carried out by		Chengala										Year:	2020			

Sub-Compartment Record															
Geog	Chang	Comp.	5. Ramtokto	Sub-Comp.	Ramtokto	No.	5d								
Areas in ha															
Non Forest Area	2.6	Protection	9.4	In-operable		Production	51.3								
Forest Composition and Description															
							Stand data								
							Bas. Area (m2/ha)	16.2							
							Volume (m3/ha)	81.7							
							Volume conifer %	70%							
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
							Hemlock		Plantation		Type	%	%		
<p>Legend for diameter class chart:</p> <ul style="list-style-type: none"> Other Broadleaves Acer Fir Bluepine Rhododendron Oak Spruce Chirpine Betula Other Conifers Hemlock 							Fir		Natural	100	Firewood	8	92		
							Spruce		Coppice		Bamboo				
							Mixed Conifer		Canopy	%	Cane				
							Blue Pine	100	Dense		Daphne				
							Chir Pine		Closed	54					
							Hardwood		Open	31					
							Mixed H/C		Unstocked	15	Forest Use	I	E		
							Age Class	%	Condition	%	Type	%	%		
							Young	38	Good	38	Grazing	15	85		
							Immature	62	Average	54	Shokshing				
							Mature		Poor	8	Lopping				
							Overmature		Site Characteristics						
							Slope	%	Erosiveness	%	Soil Cover	%			
							Gentle	85	Stable	85	High	15			
							Moderate	15	Moderate	15	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	%		
Chirpine															
Bluepine	272	272	392	66	5								462	62	
Hemlock															
Spruce															
Fir															
Other Conifers															
Oak	599	82	70	9	2								81	11	
Acer	27														
Betula															
Rhododendron	109	136	157										157	21	
Other Broadleaves	136	54	35	6									41	6	
Total	1143	544	653	81	6								741	100	
Future Management & Monitoring of Activities															
Manag. Option	No activities														
	Improvement	tic													
	Timber Use	tic													
	Firewood Use	tic													
	Silvopasture														
	Sokshing	tic													
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	246	5	100	183										
	Firewood	82	2		65										
20-29	Tsim	803	16	23	253										
	Firewood	161	3		53										
10-19	Poles, etc.	2678	52	8	224										
	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	31.6	62%													
Felling	19.7	38%													
Assessment carried out by		Chengala										Year:	2020		

Sub-Compartment Record																	
Geog	Chang	Comp.	5. Ramtokto	Sub-Comp.	Ramtokto	No.	5e										
Areas in ha																	
Non Forest Area	4.6	Protection	15.2	In-operable		Production	54.9										
Forest Composition and Description																	
							Stand data										
							Bas. Area (m2/ha)	23.8									
							Volume (m3/ha)	125.4									
							Volume conifer %	82%									
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
							Hemlock		Plantation		Type	%	%				
							Fir		Natural	100	Firewood	8	92				
							Spruce		Coppice		Bamboo						
							Mixed Conifer		Canopy	%	Cane						
							Blue Pine	100	Dense		Daphne						
							Chir Pine		Closed	69							
							Hardwood		Open	31							
							Mixed H/C		Unstocked		Forest Use	I	E				
							Age Class	%	Condition	%	Type	%	%				
							Young	38	Good	46	Grazing	15	85				
							Immature	62	Average	38	Shokshing						
							Mature		Poor	15	Lopping						
							Overmature		Site Characteristics								
							Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	85	Stable	85	High	69												
Moderate	15	Moderate	8	Moderate	23												
Steep		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	%				
Chirpine																	
Bluepine	626	299	618	107	19		1					745	70				
Hemlock																	
Spruce																	
Fir																	
Other Conifers																	
Oak	218	354	122									122	12				
Acer																	
Betula																	
Rhododendron	136	163	122									122	12				
Other Broadleaves	27	82	70									70	7				
Total	1007	898	932	107	19		1					1059	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities																
	Improvement	tic															
	Timber Use	tic															
	Firewood Use	tic															
	Silvopasture																
	Sokshing	tic															
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	71	1	100	158												
	Firewood																
30-49	Cham																
	Firewood																
20-29	Tsim	172	3	3	54												
	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	33.8	62%															
Felling	21.1	38%															
Assessment carried out by		Chengala											Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	5. Ramtokto	Sub-Comp.	Ramtokto	No.	5f									
Areas in ha																
Non Forest Area	18.7	Protection	35.6	In-operable		Production	35.8									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)		14.3							
							Volume (m3/ha)		74.3							
							Volume conifer %		72%							
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood		100			
							Spruce		Coppice		Bamboo					
							Mixed Conifer		Canopy	%	Cane					
							Blue Pine	100	Dense		Daphne					
							Chir Pine		Closed	38						
							Hardwood		Open	50						
							Mixed H/C		Unstocked	13	Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	63	Good	25	Grazing		100			
							Immature	38	Average	75	Shokshing					
							Mature		Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	75	Stable	100	High		13										
Moderate	25	Moderate		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	%			
Chirpine																
Bluepine	442	707	382	41	5	3						431	66			
Hemlock																
Spruce																
Fir																
Other Conifers																
Oak	354	354	71	10		2						82	13			
Acer																
Betula																
Rhododendron	88	44	85									85	13			
Other Broadleaves	133		57									57	9			
Total	1017	1105	594	51	5	5						655	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Shokshing	tic														
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	298	8	100	302											
	Firewood	56	2		82											
20-29	Tsim	911	25	50	293											
	Firewood															
10-19	Poles, etc.	3541	99	24	296											
	Firewood	1518	42		108											
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	26.8	75%														
Felling	8.9	25%														
Assessment carried out by		Chengala										Year:	2020			

Sub-Compartment Record																
Geog	Chang		Comp.	6		Sub-Comp.	Talakha		No.	6b						
Areas in ha																
Non Forest Area	31.3		Protection	28.4		In-operable	25.2		Production	10.1						
Forest Composition and Description																
								Stand data								
								Bas. Area (m2/ha)	7.0							
								Volume (m3/ha)	37.8							
								Volume conifer %	100%							
<p>Number of trees/ha by diameter class (dbh>10cm)</p>								Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
								Hemlock		Plantation		Type	%	%		
								Fir		Natural	100	Firewood		100		
								Spruce		Coppice		Bamboo				
								Mixed Conifer		Canopy	%	Cane				
								Blue Pine	100	Dense		Daphne				
								Chir Pine		Closed						
								Hardwood		Open	100					
								Mixed H/C		Unstocked		Forest Use	I	E		
								Age Class	%	Condition	%	Type	%	%		
								Young	50	Good	50	Grazing		100		
								Immature	50	Average	50	Shokshing				
								Mature		Poor		Lopping				
								Overmature		Site Characteristics						
								Slope	%	Erosiveness	%	Soil Cover	%			
Gentle	50	Stable	50	High												
Moderate	50	Moderate	50	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	%			
Chirpine																
Bluepine	1768	1768	283	20	10							314	100			
Hemlock																
Spruce																
Fir																
Other Conifers																
Oak	884															
Acer																
Betula																
Rhododendron																
Other Broadleaves																
Total	2653	1768	283	20	10							314	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	105	10	100	78											
	Firewood															
20-29	Tsim	205	20	100	65											
	Firewood															
10-19	Poles, etc.	2283	226	80	191											
	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	10.1	100%														
Felling																
Assessment carried out by			Shacha Dorji										Year:	2020		

Sub-Compartment Record																
Geog	Chang	Comp.	6	Sub-Comp.	Talakha	No.	6c									
Areas in ha																
Non Forest Area	6.0	Protection	55.4	In-operable	8.7	Production	26.0									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	21.7								
							Volume (m3/ha)	122.3								
							Volume conifer %	83%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Other Broadleaves Rhododendron Betula Acer Oak Other Conifers Fir Spruce Hemlock Bluepine Chirpine 							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood		100			
							Spruce		Coppice		Bamboo					
							Mixed Conifer		Canopy	%	Cane					
							Blue Pine	83	Dense		Daphne					
							Chir Pine		Closed	17						
							Hardwood	17	Open	83						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	67	Good	100	Grazing		100			
							Immature	33	Average		Shokshing					
							Mature		Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	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	%			
Chirpine																
Bluepine	943	295	509	68	17	8						603	67			
Hemlock																
Spruce	118					8						8	1			
Fir																
Other Conifers																
Oak	1179	1238	94									94	11			
Acer																
Betula																
Rhododendron	589	884	94									94	11			
Other Broadleaves	472	472	94									94	11			
Total	3301	2888	792	68	17	17						894	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	832	32	94	899											
	Firewood															
20-29	Tsim	1590	61	90	501											
	Firewood															
10-19	Poles, etc.	10797	415	86	903											
	Firewood	6871	264		497											
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	26.0	100%														
Felling																
Assessment carried out by		Shacha Dorji										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	6	Sub-Comp.	Talakha	No.	6d									
Areas in ha																
Non Forest Area	0.1	Protection	35.0	In-operable		Production	63.0									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	13.1								
							Volume (m3/ha)	79.6								
							Volume conifer %	79%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood		100			
							Spruce		Coppice		Bamboo					
							Mixed Conifer	18	Canopy	%	Cane					
							Blue Pine	71	Dense		Daphne					
							Chir Pine		Closed	35						
							Hardwood	12	Open	65						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	35	Good	100	Grazing		100			
							Immature	41	Average		Shokshing					
							Mature	24	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	12	Stable	18	High												
Moderate	88	Moderate	82	Moderate	100											
Steep		Unstable		Low												
Species	Height	N/ha per diameter class										Total (> 10cm)				
	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	%			
Chirpine																
Bluepine	1040	499	173	55	13	3	0					245	56			
Hemlock	125															
Spruce	187	62	7	22	2	4						34	8			
Fir																
Other Conifers																
Oak	208	208	80	10								89	21			
Acer																
Betula																
Rhododendron	104	62	20									20	5			
Other Broadleaves	104	104	33	12								45	10			
Total	1768	936	313	98	16	7	0					434	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	31	0	100	69											
	Firewood															
30-49	Cham	1251	20	88	1184											
	Firewood															
20-29	Tsim	3926	62	83	1272											
	Firewood	1208	19		357											
10-19	Poles, etc.	10066	160	87	844											
	Firewood	7130	113		539											
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	40.8	65%														
Felling	22.2	35%														
Assessment carried out by		Shacha Dorji										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	2. Yusipang Phakha	Sub-Comp.	Yusipang Phakha	No.	2i									
Areas in ha																
Non Forest Area	1.7	Protection	5.8	In-operable	8.6	Production	77.6									
Forest Composition and Description																
						Stand data										
						Bas. Area (m2/ha)					10.2					
						Volume (m3/ha)					69.1					
						Volume conifer %					68%					
<p>Number of trees/ha by diameter class (dbh>10cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	56	44				
						Spruce		Coppice		Bamboo						
						Mixed Conifer	100	Canopy	%	Cane						
						Blue Pine		Dense		Daphne						
						Chir Pine		Closed	72							
						Hardwood		Open	28							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	33	Good		Grazing	5.6	94				
						Immature	39	Average	100	Shokshing						
						Mature	28	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	39	Stable	33	High	11											
Moderate	61	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	%			
Chirpine																
Bluepine	196	255	138	27	5							170	53			
Hemlock	39	118					1					1	0			
Spruce	196	255	63	2	5	1	0	2	1			73	23			
Fir																
Other Conifers																
Oak	39	59	38	18	6	3						64	20			
Acer			6		3							10	3			
Betula							0					0	0			
Rhododendron	196	295														
Other Broadleaves																
Total	668	982	245	48	18	3	2	2	1			319	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	262	3	83	840											
	Firewood															
30-49	Cham	592	8	89	502											
	Firewood	934	12		868											
20-29	Tsim	1932	25	90	615											
	Firewood	1405	18		465											
10-19	Poles, etc.	14146	182	90	1207											
	Firewood	2927	38		255											
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	21.6	28%														
Felling	56.0	72%														
Assessment carried out by		K.K Jogi											Year:	2020		

Sub-Compartment Record																																																																																																																																													
Geog	Chang	Comp.	6	Sub-Comp.	Talakha	No.	6e																																																																																																																																						
Areas in ha																																																																																																																																													
Non Forest Area	0.7	Protection	48.5	In-operable		Production	30.4																																																																																																																																						
Forest Composition and Description																																																																																																																																													
							Stand data																																																																																																																																						
							Bas. Area (m2/ha)	15.7																																																																																																																																					
							Volume (m3/ha)	95.0																																																																																																																																					
							Volume conifer %	78%																																																																																																																																					
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td></td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td></td> <td>100</td> </tr> <tr> <td>Spruce</td> <td></td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td>100</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td></td> <td>Dense</td> <td></td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>50</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td></td> <td>Open</td> <td>50</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td></td> <th colspan="3">Forest Use</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <th>I</th> <th>E</th> <td></td> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td>33</td> <td>Good</td> <td>100</td> <td>Grazing</td> <td></td> <td>100</td> </tr> <tr> <td>Immature</td> <td>50</td> <td>Average</td> <td></td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>17</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="4">Site Characteristics</th> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th>%</th> <td></td> </tr> <tr> <td>Gentle</td> <td>17</td> <td>Stable</td> <td>17</td> <td>High</td> <td></td> <td></td> </tr> <tr> <td>Moderate</td> <td>83</td> <td>Moderate</td> <td>83</td> <td>Moderate</td> <td>100</td> <td></td> </tr> <tr> <td>Steep</td> <td></td> <td>Unstable</td> <td></td> <td>Low</td> <td></td> <td></td> </tr> </tbody> </table>	Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock		Plantation		Type	%	%	Fir		Natural	100	Firewood		100	Spruce		Coppice		Bamboo			Mixed Conifer	100	Canopy	%	Cane			Blue Pine		Dense		Daphne			Chir Pine		Closed	50				Hardwood		Open	50				Mixed H/C		Unstocked		Forest Use							I	E		Age Class	%	Condition	%	Type	%	%	Young	33	Good	100	Grazing		100	Immature	50	Average		Shokshing			Mature	17	Poor		Lopping			Overmature		Site Characteristics						Slope	%	Erosiveness	%	Soil Cover	%		Gentle	17	Stable	17	High			Moderate	83	Moderate	83	Moderate	100		Steep		Unstable		Low		
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																							
Hemlock		Plantation		Type	%	%																																																																																																																																							
Fir		Natural	100	Firewood		100																																																																																																																																							
Spruce		Coppice		Bamboo																																																																																																																																									
Mixed Conifer	100	Canopy	%	Cane																																																																																																																																									
Blue Pine		Dense		Daphne																																																																																																																																									
Chir Pine		Closed	50																																																																																																																																										
Hardwood		Open	50																																																																																																																																										
Mixed H/C		Unstocked		Forest Use																																																																																																																																									
				I	E																																																																																																																																								
Age Class	%	Condition	%	Type	%	%																																																																																																																																							
Young	33	Good	100	Grazing		100																																																																																																																																							
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Mature	17	Poor		Lopping																																																																																																																																									
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Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																								
Gentle	17	Stable	17	High																																																																																																																																									
Moderate	83	Moderate	83	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	%																																																																																																																																
Chirpine																																																																																																																																													
Bluepine	1179	531	245	48	31	8						332	60																																																																																																																																
Hemlock																																																																																																																																													
Spruce	177		38									38	7																																																																																																																																
Fir																																																																																																																																													
Other Conifers																																																																																																																																													
Oak	472	472	151	14	3							168	30																																																																																																																																
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Rhododendron	589	766																																																																																																																																											
Other Broadleaves		295	19									19	3																																																																																																																																
Total	2417	2063	453	61	35	8						557	100																																																																																																																																
Future Management & Monitoring of Activities																																																																																																																																													
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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																																																																																																																																
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	Firewood																																																																																																																																												
30-49	Cham	929	31	71	827																																																																																																																																								
	Firewood																																																																																																																																												
20-29	Tsim	1033	34	56	326																																																																																																																																								
	Firewood																																																																																																																																												
10-19	Poles, etc.	6886	226	54	582																																																																																																																																								
	Firewood	574	19		41																																																																																																																																								
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	30.4	100%																																																																																																																																											
Felling																																																																																																																																													
Assessment carried out by		Shacha Dorji										Year:	2020																																																																																																																																

Sub-Compartment Record																
Geog	Chang	Comp.	6	Sub-Comp.	Talakha	No.	6f									
Areas in ha																
Non Forest Area	9.4	Protection	86.3	In-operable	4.4	Production	4.4									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	8.0								
							Volume (m3/ha)	34.0								
							Volume conifer %	56%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Other Broadleaves Rhododendron Betula Acer Oak Other Conifers Fir Spruce Hemlock Bluepine Chirpine 							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood		100			
							Spruce		Coppice		Bamboo					
							Mixed Conifer	100	Canopy	%	Cane					
							Blue Pine		Dense		Daphne					
							Chir Pine		Closed							
							Hardwood		Open	100						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	100	Good		Grazing		100			
							Immature		Average	100	Shokshing					
							Mature		Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle		Stable		High												
Moderate	100	Moderate	100	Moderate	100											
Steep		Unstable		Low												
Species	Height	N/ha per diameter class										Total (> 10cm)				
	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	%			
Chirpine																
Bluepine	1768	1061	226									226	50			
Hemlock																
Spruce																
Fir																
Other Conifers																
Oak	1768	707														
Acer																
Betula																
Rhododendron	1768	354	226									226	50			
Other Broadleaves	1768	1768														
Total	7074	3890	453									453	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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		###													
	Firewood															
20-29	Tsim		###													
	Firewood															
10-19	Poles, etc.	1006	226	100	84											
	Firewood	1006	226		67											
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	4.4	100%														
Felling																
Assessment carried out by		Shacha Dorji										Year:	2020			

Sub-Compartment Record																																																																																																																																				
Geog	Chang	Comp.	7	Sub-Comp.	Depsiringu	No.	7a																																																																																																																													
Areas in ha																																																																																																																																				
Non Forest Area	27.5	Protection	66.1	In-operable	1.2	Production	3.5																																																																																																																													
Forest Composition and Description																																																																																																																																				
						Stand data																																																																																																																														
						Bas. Area (m2/ha)	26.6																																																																																																																													
						Volume (m3/ha)	253.6																																																																																																																													
						Volume conifer %	36%																																																																																																																													
<p>Number of trees/ha by diameter class (dbh>10cm)</p>						<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>7</td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>64</td> <td>Firewood</td> <td>86</td> <td>14</td> </tr> <tr> <td>Spruce</td> <td>21</td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td>14</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td>14</td> <td>Dense</td> <td>21</td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>71</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td></td> <td>Open</td> <td>7</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td>43</td> <td>Unstocked</td> <td></td> <td>Forest Use</td> <td>I</td> <td>E</td> </tr> <tr> <td>Age Class</td> <td>%</td> <td>Condition</td> <td>%</td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Young</td> <td></td> <td>Good</td> <td>71</td> <td>Grazing</td> <td>14</td> <td>86</td> </tr> <tr> <td>Immature</td> <td>14</td> <td>Average</td> <td>29</td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>86</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <td colspan="2">Site Characteristics</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Slope</td> <td>%</td> <td>Erosiveness</td> <td>%</td> <td>Soil Cover</td> <td colspan="2">%</td> </tr> <tr> <td>Gentle</td> <td>29</td> <td>Stable</td> <td></td> <td>High</td> <td colspan="2"></td> </tr> <tr> <td>Moderate</td> <td>36</td> <td>Moderate</td> <td>71</td> <td>Moderate</td> <td colspan="2">86</td> </tr> <tr> <td>Steep</td> <td>36</td> <td>Unstable</td> <td>29</td> <td>Low</td> <td colspan="2">14</td> </tr> </tbody> </table>	Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock	7	Plantation		Type	%	%	Fir		Natural	64	Firewood	86	14	Spruce	21	Coppice		Bamboo			Mixed Conifer	14	Canopy	%	Cane			Blue Pine	14	Dense	21	Daphne			Chir Pine		Closed	71				Hardwood		Open	7				Mixed H/C	43	Unstocked		Forest Use	I	E	Age Class	%	Condition	%	Type	%	%	Young		Good	71	Grazing	14	86	Immature	14	Average	29	Shokshing			Mature	86	Poor		Lopping			Overmature		Site Characteristics					Slope	%	Erosiveness	%	Soil Cover	%		Gentle	29	Stable		High			Moderate	36	Moderate	71	Moderate	86		Steep	36	Unstable	29	Low	14	
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																														
Hemlock	7	Plantation		Type	%	%																																																																																																																														
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Spruce	21	Coppice		Bamboo																																																																																																																																
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Blue Pine	14	Dense	21	Daphne																																																																																																																																
Chir Pine		Closed	71																																																																																																																																	
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Immature	14	Average	29	Shokshing																																																																																																																																
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Hemlock	51	25			1		1	1				3	1																																																																																																																							
Spruce	25	51			1	4	4	1	4	3		17	7																																																																																																																							
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Other Conifers				6	1	2		0	0			10	4																																																																																																																							
Oak	51		81	52	30	20	6	5	5	4		203	79																																																																																																																							
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Other Broadleaves	51	303																																																																																																																																		
Total	177	379	81	73	40	28	11	6	11	7	256	100																																																																																																																								
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>50	Drashing	65	19	95	275																																																																																																																															
	Firewood	51	14		236																																																																																																																															
30-49	Cham	74	21	88	83																																																																																																																															
	Firewood	135	39		139																																																																																																																															
20-29	Tsim	51	15	92	16																																																																																																																															
	Firewood	183	52		60																																																																																																																															
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Non Forest Area	51.7	Protection	23.2	In-operable	4.0	Production	15.9																																																																																																																																								
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Bluepine	442	265	57	51	5	6		2			121	57																																																																																																																																			
Hemlock				20	16	3	2				41	20																																																																																																																																			
Spruce					10	13					23	11																																																																																																																																			
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Other Broadleaves	177	1061																																																																																																																																													
Total	619	1326	57	81	47	22	2	2			210	100																																																																																																																																			
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>50	Drashing	57	4	100	159																																																																																																																																										
	Firewood																																																																																																																																														
30-49	Cham	959	60	88	949																																																																																																																																										
	Firewood																																																																																																																																														
20-29	Tsim	1132	71	100	367																																																																																																																																										
	Firewood	162	10		51																																																																																																																																										
10-19	Poles, etc.	898	57	100	75																																																																																																																																										
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Thinning	11.9	75%																																																																																																																																													
Felling	4.0	25%																																																																																																																																													
Assessment carried out by		Lhaba											Year:	2020																																																																																																																																	

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Areas in ha																																																																																																																																										
Non Forest Area	50.3	Protection	28.9	In-operable	10.2	Production	27.3																																																																																																																																			
Forest Composition and Description																																																																																																																																										
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							Volume conifer %	75%																																																																																																																																		
							<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td></td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td>50</td> <td>50</td> </tr> <tr> <td>Spruce</td> <td></td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td>63</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td>38</td> <td>Dense</td> <td>13</td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>38</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td></td> <td>Open</td> <td>50</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td></td> <th colspan="2">Forest Use</th> <th>I</th> <th>E</th> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td>13</td> <td>Good</td> <td>50</td> <td>Grazing</td> <td>38</td> <td>63</td> </tr> <tr> <td>Immature</td> <td>50</td> <td>Average</td> <td>50</td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>38</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="4">Site Characteristics</th> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th colspan="2">Soil Cover</th> <th>%</th> </tr> <tr> <td>Gentle</td> <td>25</td> <td>Stable</td> <td>13</td> <td>High</td> <td colspan="2">13</td> </tr> <tr> <td>Moderate</td> <td>50</td> <td>Moderate</td> <td>63</td> <td>Moderate</td> <td colspan="2">75</td> </tr> <tr> <td>Steep</td> <td>25</td> <td>Unstable</td> <td>25</td> <td>Low</td> <td colspan="2">13</td> </tr> </tbody> </table>				Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock		Plantation		Type	%	%	Fir		Natural	100	Firewood	50	50	Spruce		Coppice		Bamboo			Mixed Conifer	63	Canopy	%	Cane			Blue Pine	38	Dense	13	Daphne			Chir Pine		Closed	38				Hardwood		Open	50				Mixed H/C		Unstocked		Forest Use		I	E	Age Class	%	Condition	%	Type	%	%	Young	13	Good	50	Grazing	38	63	Immature	50	Average	50	Shokshing			Mature	38	Poor		Lopping			Overmature		Site Characteristics						Slope	%	Erosiveness	%	Soil Cover		%	Gentle	25	Stable	13	High	13		Moderate	50	Moderate	63	Moderate	75		Steep	25	Unstable	25	Low	13	
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																				
Hemlock		Plantation		Type	%	%																																																																																																																																				
Fir		Natural	100	Firewood	50	50																																																																																																																																				
Spruce		Coppice		Bamboo																																																																																																																																						
Mixed Conifer	63	Canopy	%	Cane																																																																																																																																						
Blue Pine	38	Dense	13	Daphne																																																																																																																																						
Chir Pine		Closed	38																																																																																																																																							
Hardwood		Open	50																																																																																																																																							
Mixed H/C		Unstocked		Forest Use		I	E																																																																																																																																			
Age Class	%	Condition	%	Type	%	%																																																																																																																																				
Young	13	Good	50	Grazing	38	63																																																																																																																																				
Immature	50	Average	50	Shokshing																																																																																																																																						
Mature	38	Poor		Lopping																																																																																																																																						
Overmature		Site Characteristics																																																																																																																																								
Slope	%	Erosiveness	%	Soil Cover		%																																																																																																																																				
Gentle	25	Stable	13	High	13																																																																																																																																					
Moderate	50	Moderate	63	Moderate	75																																																																																																																																					
Steep	25	Unstable	25	Low	13																																																																																																																																					
Species	Height	N/ha per diameter class										Total (> 10cm)																																																																																																																														
	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	%																																																																																																																													
Chirpine																																																																																																																																										
Bluepine	177	133	42	20	3	5		2				72	47																																																																																																																													
Hemlock			14	10	3	5						32	21																																																																																																																													
Spruce				5	3	2	2					11	7																																																																																																																													
Fir																																																																																																																																										
Other Conifers																																																																																																																																										
Oak			28		5	3		2				38	25																																																																																																																													
Acer																																																																																																																																										
Betula																																																																																																																																										
Rhododendron																																																																																																																																										
Other Broadleaves	88	531																																																																																																																																								
Total	265	663	85	36	13	14	2	3				153	100																																																																																																																													
Future Management & Monitoring of Activities																																																																																																																																										
Manag. Option	No activities																																																																																																																																									
	Improvement	tic																																																																																																																																								
	Timber Use	tic																																																																																																																																								
	Firewood Use	tic																																																																																																																																								
	Silvopasture																																																																																																																																									
	Sokshing	tic																																																																																																																																								
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	41	2	100	143																																																																																																																																					
	Firewood	99	4		289																																																																																																																																					
30-49	Cham	513	19	90	591																																																																																																																																					
	Firewood	157	6		184																																																																																																																																					
20-29	Tsim	834	31	86	274																																																																																																																																					
	Firewood																																																																																																																																									
10-19	Poles, etc.	1930	71	83	163																																																																																																																																					
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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	17.1	63%																																																																																																																																								
Felling	10.2	38%																																																																																																																																								
Assessment carried out by		Lhaba											Year:	2020																																																																																																																												

Sub-Compartment Record																
Geog	Chang		Comp.	7		Sub-Comp.	Depsiringu		No.	7h						
Areas in ha																
Non Forest Area	33.7		Protection	69.5		In-operable	Production		6.8							
Forest Composition and Description																
								Stand data								
								Bas. Area (m2/ha)	12.7							
								Volume (m3/ha)	104.9							
								Volume conifer %	89%							
<p>Number of trees/ha by diameter class (dbh>10cm)</p>								Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
								Hemlock		Plantation		Type	%	%		
								Fir		Natural	100	Firewood		100		
								Spruce		Coppice		Bamboo				
								Mixed Conifer	33	Canopy	%	Cane				
								Blue Pine	33	Dense		Daphne				
								Chir Pine		Closed	33					
								Hardwood	33	Open	67					
								Mixed H/C		Unstocked		Forest Use	I	E		
								Age Class	%	Condition	%	Type	%	%		
								Young		Good	33	Grazing		100		
								Immature	33	Average	67	Shokshing				
								Mature	67	Poor		Lopping				
								Overmature		Site Characteristics						
								Slope	%	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	%			
Chirpine																
Bluepine			38	27		8		6				79	46			
Hemlock					7		3					10	6			
Spruce			38		14	8						60	35			
Fir																
Other Conifers					7	4						11	6			
Oak					7	4						11	6			
Acer																
Betula																
Rhododendron																
Other Broadleaves	236	1415														
Total	236	1415	75	27	35	25	3	6				171	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	60	9	100	187											
	Firewood															
30-49	Cham	409	60	100	427											
	Firewood															
20-29	Tsim	186	27	100	59											
	Firewood															
10-19	Poles, etc.	516	75	100	45											
	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	4.6	67%														
Felling	2.3	33%														
Assessment carried out by			Lhaba										Year:	2020		

Sub-Compartment Record																																																																																																																																															
Geog	Chang	Comp.	7	Sub-Comp.	Depsiringu	No.	7i																																																																																																																																								
Areas in ha																																																																																																																																															
Non Forest Area	1.3	Protection	4.3	In-operable	24.4	Production	65.0																																																																																																																																								
Forest Composition and Description																																																																																																																																															
							Stand data																																																																																																																																								
							Bas. Area (m2/ha)	16.4																																																																																																																																							
							Volume (m3/ha)	145.3																																																																																																																																							
							Volume conifer %	70%																																																																																																																																							
							<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>6</td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td>63</td> <td>38</td> </tr> <tr> <td>Spruce</td> <td>13</td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td>44</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td>6</td> <td>Dense</td> <td></td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>63</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td>31</td> <td>Open</td> <td>38</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td></td> <th colspan="3">Forest Use</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <th>I</th> <th>E</th> <td></td> </tr> <tr> <th colspan="2">Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> </tr> <tr> <td>Young</td> <td></td> <td></td> <td>Good</td> <td>19</td> <td>Grazing</td> <td>25 75</td> </tr> <tr> <td>Immature</td> <td>19</td> <td>Average</td> <td>81</td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>81</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="5">Site Characteristics</th> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th colspan="2">Soil Cover</th> <th>%</th> </tr> <tr> <td>Gentle</td> <td></td> <td>Stable</td> <td>13</td> <td>High</td> <td colspan="2">19</td> </tr> <tr> <td>Moderate</td> <td>75</td> <td>Moderate</td> <td>75</td> <td>Moderate</td> <td colspan="2">69</td> </tr> <tr> <td>Steep</td> <td>25</td> <td>Unstable</td> <td>13</td> <td>Low</td> <td colspan="2">13</td> </tr> </tbody> </table>				Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock	6	Plantation		Type	%	%	Fir		Natural	100	Firewood	63	38	Spruce	13	Coppice		Bamboo			Mixed Conifer	44	Canopy	%	Cane			Blue Pine	6	Dense		Daphne			Chir Pine		Closed	63				Hardwood	31	Open	38				Mixed H/C		Unstocked		Forest Use							I	E		Age Class		%	Condition	%	Type	%	Young			Good	19	Grazing	25 75	Immature	19	Average	81	Shokshing			Mature	81	Poor		Lopping			Overmature		Site Characteristics					Slope	%	Erosiveness	%	Soil Cover		%	Gentle		Stable	13	High	19		Moderate	75	Moderate	75	Moderate	69		Steep	25	Unstable	13	Low	13	
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																									
Hemlock	6	Plantation		Type	%	%																																																																																																																																									
Fir		Natural	100	Firewood	63	38																																																																																																																																									
Spruce	13	Coppice		Bamboo																																																																																																																																											
Mixed Conifer	44	Canopy	%	Cane																																																																																																																																											
Blue Pine	6	Dense		Daphne																																																																																																																																											
Chir Pine		Closed	63																																																																																																																																												
Hardwood	31	Open	38																																																																																																																																												
Mixed H/C		Unstocked		Forest Use																																																																																																																																											
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Age Class		%	Condition	%	Type	%																																																																																																																																									
Young			Good	19	Grazing	25 75																																																																																																																																									
Immature	19	Average	81	Shokshing																																																																																																																																											
Mature	81	Poor		Lopping																																																																																																																																											
Overmature		Site Characteristics																																																																																																																																													
Slope	%	Erosiveness	%	Soil Cover		%																																																																																																																																									
Gentle		Stable	13	High	19																																																																																																																																										
Moderate	75	Moderate	75	Moderate	69																																																																																																																																										
Steep	25	Unstable	13	Low	13																																																																																																																																										
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	%																																																																																																																																		
Chirpine																																																																																																																																															
Bluepine				3	1	1	1	0				6	3																																																																																																																																		
Hemlock	44	22	14	8	6			1				29	13																																																																																																																																		
Spruce		44	71	23				4	3	4		103	45																																																																																																																																		
Fir																																																																																																																																															
Other Conifers			21	13	8	3	1					45	20																																																																																																																																		
Oak				25	10	5	4	2	1			47	20																																																																																																																																		
Acer																																																																																																																																															
Betula																																																																																																																																															
Rhododendron																																																																																																																																															
Other Broadleaves	44	265																																																																																																																																													
Total	88	332	106	71	26	9	6	7	3	4		232	100																																																																																																																																		
Future Management & Monitoring of Activities																																																																																																																																															
Manag. Option	No activities																																																																																																																																														
	Improvement	tic																																																																																																																																													
	Timber Use	tic																																																																																																																																													
	Firewood Use	tic																																																																																																																																													
	Silvopasture																																																																																																																																														
	Sokshing	tic																																																																																																																																													
Production Potential (N, Volume)				No of trees removed each year																																																																																																																																											
Product size	N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total	%																																																																																																																															
>50	Drashing	1162	18	95	4961																																																																																																																																										
	Firewood	37	1		188																																																																																																																																										
30-49	Cham	1845	28	89	1611																																																																																																																																										
	Firewood	153	2		225																																																																																																																																										
20-29	Tsim	4141	64	100	1352																																																																																																																																										
	Firewood	497	8		164																																																																																																																																										
10-19	Poles, etc.	5981	92	87	532																																																																																																																																										
	Firewood																																																																																																																																														
Silvicultural Measures				Area in ha implemented per year																																																																																																																																											
Measure	Area (ha)	in %		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total	%																																																																																																																																
Planting																																																																																																																																															
Thinning	36.6	56%																																																																																																																																													
Felling	28.5	44%																																																																																																																																													
Assessment carried out by		Lhaba											Year:	2020																																																																																																																																	

Sub-Compartment Record																
Geog	Chang	Comp.	8	Sub-Comp.	Changgidaphu	No.	8d									
Areas in ha																
Non Forest Area	15.7	Protection	13.3	In-operable	12.8	Production	55.4									
Forest Composition and Description																
						Stand data										
						Bas. Area (m2/ha)					18.2					
						Volume (m3/ha)					113.0					
						Volume conifer %					98%					
<p>Number of trees/ha by diameter class (dbh>10cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood		100				
						Spruce		Coppice		Bamboo		8				
						Mixed Conifer	31	Canopy	%	Cane						
						Blue Pine	69	Dense		Daphne		15				
						Chir Pine		Closed	38							
						Hardwood		Open	62							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	62	Good	92	Grazing	7.7	92				
						Immature	31	Average	8	Shokshing						
						Mature	8	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	92	Stable	92	High	100											
Moderate	8	Moderate	8	Moderate												
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	%			
Chirpine																
Bluepine	5604	2721	348	141	8	1	5	0				503	84			
Hemlock																
Spruce	190	816	52	6	10		1					69	12			
Fir																
Other Conifers																
Oak	163	218	17									17	3			
Acer	626		9									9	1			
Betula																
Rhododendron		54														
Other Broadleaves		571														
Total	6584	4380	427	147	18	1	6	0				599	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	133	2	38	329											
	Firewood															
30-49	Cham	585	11	57	493											
	Firewood															
20-29	Tsim	3298	60	40	1045											
	Firewood															
10-19	Poles, etc.	8680	157	37	726											
	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	46.9	85%														
Felling	8.5	15%														
Assessment carried out by		Kuenzang Norbu										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	8	Sub-Comp.	Changgidaphu	No.	8e									
Areas in ha																
Non Forest Area	15.9	Protection	27.1	In-operable	3.4	Production	55.1									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	21.0								
							Volume (m3/ha)	140.7								
							Volume conifer %	82%								
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood	19	81			
							Spruce	25	Coppice		Bamboo		38			
							Mixed Conifer	38	Canopy	%	Cane					
							Blue Pine	25	Dense		Daphne		44			
							Chir Pine		Closed	38						
							Hardwood		Open	63						
							Mixed H/C	13	Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	31	Good	94	Grazing	25	75			
							Immature	50	Average	6	Shokshing					
							Mature	19	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
							Gentle	88	Stable	94	High	100				
							Moderate	13	Moderate	6	Moderate					
							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	%			
Chirpine																
Bluepine	4863	685	170	76	14	4	1	0				266	42			
Hemlock			14	3		2						18	3			
Spruce	287	398	127	33	14	7	2	1				185	29			
Fir																
Other Conifers																
Oak	111	1061	106	8	3	2	1	0				119	19			
Acer	597	44	21									21	3			
Betula				3								3	0			
Rhododendron	66	133														
Other Broadleaves		66	21		1	1						23	4			
Total	5924	2387	460	122	32	15	4	2				635	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	129	2	45	362											
	Firewood															
30-49	Cham	1349	24	59	1312											
	Firewood	187	3		157											
20-29	Tsim	2526	46	38	819											
	Firewood															
10-19	Poles, etc.	2339	42	25	198											
	Firewood	3899	71		305											
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	24.1	44%														
Felling	31.0	56%														
Assessment carried out by		Kuenzang Norbu											Year:	2020		

Sub-Compartment Record																
Geog	Chang	Comp.	8	Sub-Comp.	Changgidaphu	No.	8f									
Areas in ha																
Non Forest Area	22.6	Protection	5.0	In-operable	15.2	Production	53.3									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	20.6								
							Volume (m3/ha)	147.7								
							Volume conifer %	77%								
Number of trees/ha by diameter class (dbh>10cm)							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock	7	Plantation		Type	%	%			
							Fir		Natural	100	Firewood	29	71			
							Spruce	14	Coppice		Bamboo	7	21			
							Mixed Conifer	50	Canopy	%	Cane					
							Blue Pine	14	Dense		Daphne		57			
							Chir Pine		Closed	14						
							Hardwood		Open	86						
							Mixed H/C	14	Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	7	Good	100	Grazing	14	86			
							Immature	71	Average		Shokshing					
							Mature	21	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	100	Stable	100	High	100											
Moderate		Moderate		Moderate												
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	%			
Chirpine																
Bluepine	7023	202	186	49	12	4	2	1				254	44			
Hemlock	126		8									8	1			
Spruce	733	354	97	17	13	4	5	3	0	0		140	24			
Fir																
Other Conifers																
Oak	51	101	89	12	3	4	1	1				109	19			
Acer	682	51	24									24	4			
Betula																
Rhododendron																
Other Broadleaves		51	40	3			1		0			44	8			
Total	8615	758	445	81	28	11	8	6	1	0		580	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	270	5	47	929											
	Firewood	104	2		287											
30-49	Cham	635	12	44	668											
	Firewood	271	5		343											
20-29	Tsim	1086	20	54	352											
	Firewood	1242	23		399											
10-19	Poles, etc.	3449	65	45	291											
	Firewood	7328	137		580											
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	38.1	71%														
Felling	15.2	29%														
Assessment carried out by		Kuenzang Norbu										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	8	Sub-Comp.	Changgidaphu	No.	8g									
Areas in ha																
Non Forest Area	4.5	Protection	3.9	In-operable		Production	83.0									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	24.6								
							Volume (m3/ha)	203.7								
							Volume conifer %	89%								
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	67	Firewood		100			
							Spruce	38	Coppice		Bamboo	5	14			
							Mixed Conifer	48	Canopy	%	Cane					
							Blue Pine	14	Dense		Daphne	10	57			
							Chir Pine		Closed	19						
							Hardwood		Open	81						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	38	Good	100	Grazing		100			
							Immature	48	Average		Shokshing					
							Mature	14	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	100	Stable	100	High		100										
Moderate		Moderate		Moderate												
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	%			
Chirpine																
Bluepine	2493	168	119	27	12	5	3					165	37			
Hemlock	253	253	27	2	6			0				35	8			
Spruce	1280	674	59	37	23	16	11	7	2	1		154	35			
Fir	286			2		2		0				4	1			
Other Conifers						1						1	0			
Oak		354	27	2	1	1						30	7			
Acer	1415	67	5									5	1			
Betula		34	16	6	6	1						29	6			
Rhododendron																
Other Broadleaves			11	4	1	1	1	1				18	4			
Total	5726	1549	264	80	49	25	14	8	2	1		442	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	1171	14	64	4080											
	Firewood	162	2		416											
30-49	Cham	2390	29	42	2593											
	Firewood	181	2		198											
20-29	Tsim	1771	21	44	594											
	Firewood	1127	14		351											
10-19	Poles, etc.	2683	32	37	224											
	Firewood	5366	65		434											
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	47.4	57%														
Felling	35.6	43%														
Assessment carried out by		Kuenzang Norbu										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	8	Sub-Comp.	Changgidaphu	No.	8h									
Areas in ha																
Non Forest Area	20.3	Protection	4.3	In-operable		Production	77.9									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	28.6								
							Volume (m3/ha)	258.3								
							Volume conifer %	84%								
Number of trees/ha by diameter class (dbh>10cm)							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir	20	Natural	100	Firewood		10			
							Spruce	50	Coppice		Bamboo					
							Mixed Conifer	25	Canopy	%	Cane					
							Blue Pine		Dense		Daphne	5	55			
							Chir Pine		Closed	35						
							Hardwood		Open	65						
							Mixed H/C	5	Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	5	Good	100	Grazing		30			
Immature	5	Average		Shokshing												
Mature	95	Poor		Lopping												
Overmature		Site Characteristics														
Slope	%	Erosiveness	%	Soil Cover	%											
Gentle	100	Stable	100	High	100											
Moderate		Moderate		Moderate												
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	%			
Chirpine																
Bluepine	1733	124	28		1	2	1	0				33	10			
Hemlock	265		11	2	6	2	0	2				23	7			
Spruce	566		17	12	8	8	9	10	2	1		68	20			
Fir	2918	18		4	23	15	8	4	1			55	16			
Other Conifers	177	124	6	4		4						14	4			
Oak	18		6	4		4						14	4			
Acer	2953	35	11	18	8	1						39	11			
Betula			11	18	8	1						39	11			
Rhododendron	973	1379	34									34	10			
Other Broadleaves	124		17									17	5			
Total	9726	1680	141	63	55	36	19	16	4	1		336	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	1904	24	65	6264											
	Firewood	94	1		331											
30-49	Cham	1918	25	33	2081											
	Firewood	424	5		525											
20-29	Tsim	1270	16	26	419											
	Firewood															
10-19	Poles, etc.	2646	34	52	244											
	Firewood	3087	40		212											
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	54.5	70%														
Felling																
Assessment carried out by				Kuenzang Norbu									Year:	2020		

Sub-Compartment Record																
Geog	Chang	Comp.	9	Sub-Comp.	Changgangkha	No.	9c									
Areas in ha																
Non Forest Area	24.4	Protection	18.6	In-operable		Production	45.5									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	9.8								
							Volume (m3/ha)	79.8								
							Volume conifer %	100%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Other Broadleaves Acer Fir Bluepine Rhododendron Oak Spruce Chirpine Betula Other Conifers Hemlock 							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood	30	20			
							Spruce		Coppice		Bamboo					
							Mixed Conifer	50	Canopy	%	Cane					
							Blue Pine	50	Dense		Daphne					
							Chir Pine		Closed	90						
							Hardwood		Open	10						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	50	Good	100	Grazing	60	40			
							Immature		Average		Shokshing					
							Mature	50	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover					
Gentle	100	Stable	100	High												
Moderate		Moderate		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	%			
Chirpine																
Bluepine	1061	1026	23	24	29	3						79	66			
Hemlock	71	212		16		10	2	2				30	25			
Spruce	71	141			6		4					10	9			
Fir																
Other Conifers																
Oak		212														
Acer	35															
Betula																
Rhododendron																
Other Broadleaves																
Total	1238	1592	23	41	35	13	6	2				119	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	247	5	70	659											
	Firewood															
30-49	Cham	1841	40	84	1713											
	Firewood															
20-29	Tsim	1484	33	80	482											
	Firewood															
10-19	Poles, etc.	1031	23	100	86											
	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	27.3	60%														
Felling	18.2	40%														
Assessment carried out by				Karma Jigme									Year:	2020		

Sub-Compartment Record																	
Geog	Chang	Comp.	9	Sub-Comp.	Changgangkha	No.	9d										
Areas in ha																	
Non Forest Area	5.9	Protection	7.0	In-operable		Production	86.0										
Forest Composition and Description																	
							Stand data										
							Bas. Area (m2/ha)	10.1									
							Volume (m3/ha)	68.9									
							Volume conifer %	96%									
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Other Broadleaves Acer Fir Bluepine Rhododendron Oak Spruce Chirpine Betula Other Conifers Hemlock 							Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
							Hemlock		Plantation		Type	%	%				
							Fir		Natural	100	Firewood		100				
							Spruce		Coppice		Bamboo		8				
							Mixed Conifer	75	Canopy	%	Cane						
							Blue Pine	25	Dense		Daphne		8				
							Chir Pine		Closed	8							
							Hardwood		Open	92							
							Mixed H/C		Unstocked		Forest Use	I	E				
							Age Class	%	Condition	%	Type	%	%				
							Young	42	Good		Grazing	8.3	13				
							Immature	50	Average	100	Shokshing						
							Mature	8	Poor		Lopping						
							Overmature		Site Characteristics								
							Slope	%	Erosiveness	%	Soil Cover	%					
Gentle	21	Stable	25	High	17												
Moderate	79	Moderate	75	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	%				
Chirpine																	
Bluepine	884	678	94	85	9	3	1					192	78				
Hemlock	59	59	14	2			1					17	7				
Spruce	59	59	19	5	6	2	1					33	13				
Fir																	
Other Conifers																	
Oak	147	59															
Acer	59																
Betula	15				1	1						2	1				
Rhododendron	29				2							2	1				
Other Broadleaves																	
Total	1253	855	127	92	17	6	3					245	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities																
	Improvement	tic															
	Timber Use	tic															
	Firewood Use	tic															
	Silvopasture																
	Sokshing	tic															
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	272	3	100	645												
	Firewood																
30-49	Cham	1837	21	92	1760												
	Firewood																
20-29	Tsim	5696	66	100	1813												
	Firewood	2191	25		691												
10-19	Poles, etc.	10954	127	100	937												
	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	71.7	83%															
Felling	14.3	17%															
Assessment carried out by		Karma Jigme											Year:	2020			

Sub-Compartment Record																																																																																																																																										
Geog	Chang	Comp.	9	Sub-Comp.	Changgangkha	No.	9i																																																																																																																																			
Areas in ha																																																																																																																																										
Non Forest Area	9.5	Protection	2.0	In-operable		Production	94.5																																																																																																																																			
Forest Composition and Description																																																																																																																																										
							Stand data																																																																																																																																			
							Bas. Area (m2/ha)	15.3																																																																																																																																		
							Volume (m3/ha)	113.1																																																																																																																																		
							Volume conifer %	85%																																																																																																																																		
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td></td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td></td> <td>100</td> </tr> <tr> <td>Spruce</td> <td></td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td>17</td> </tr> <tr> <td>Mixed Conifer</td> <td>100</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td></td> <td>Dense</td> <td></td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td></td> <td>Open</td> <td>100</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td></td> <th colspan="2">Forest Use</th> <td>I</td> <td>E</td> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td></td> <td>Good</td> <td>33</td> <td>Grazing</td> <td></td> <td>50</td> </tr> <tr> <td>Immature</td> <td>100</td> <td>Average</td> <td>67</td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td></td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="4">Site Characteristics</th> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th colspan="2">%</th> </tr> <tr> <td>Gentle</td> <td></td> <td>Stable</td> <td></td> <td>High</td> <td colspan="2"></td> </tr> <tr> <td>Moderate</td> <td>100</td> <td>Moderate</td> <td>100</td> <td>Moderate</td> <td colspan="2">100</td> </tr> <tr> <td>Steep</td> <td></td> <td>Unstable</td> <td></td> <td>Low</td> <td colspan="2"></td> </tr> </tbody> </table>				Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock		Plantation		Type	%	%	Fir		Natural	100	Firewood		100	Spruce		Coppice		Bamboo		17	Mixed Conifer	100	Canopy	%	Cane			Blue Pine		Dense		Daphne			Chir Pine		Closed					Hardwood		Open	100				Mixed H/C		Unstocked		Forest Use		I	E	Age Class	%	Condition	%	Type	%	%	Young		Good	33	Grazing		50	Immature	100	Average	67	Shokshing			Mature		Poor		Lopping			Overmature		Site Characteristics						Slope	%	Erosiveness	%	Soil Cover	%		Gentle		Stable		High			Moderate	100	Moderate	100	Moderate	100		Steep		Unstable		Low		
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																				
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Young		Good	33	Grazing		50																																																																																																																																				
Immature	100	Average	67	Shokshing																																																																																																																																						
Mature		Poor		Lopping																																																																																																																																						
Overmature		Site Characteristics																																																																																																																																								
Slope	%	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	%																																																																																																																													
Chirpine																																																																																																																																										
Bluepine		589		136	35	4	1	1				177	79																																																																																																																													
Hemlock	118																																																																																																																																									
Spruce		589		7	3	4		1				15	7																																																																																																																													
Fir																																																																																																																																										
Other Conifers																																																																																																																																										
Oak		118			7							7	3																																																																																																																													
Acer		59			3							3	2																																																																																																																													
Betula					7							7	3																																																																																																																													
Rhododendron				14								14	6																																																																																																																													
Other Broadleaves																																																																																																																																										
Total	118	1356		156	55	8	1	2				223	100																																																																																																																													
Future Management & Monitoring of Activities																																																																																																																																										
Manag. Option	No activities																																																																																																																																									
	Improvement	tic																																																																																																																																								
	Timber Use	tic																																																																																																																																								
	Firewood Use	tic																																																																																																																																								
	Silvopasture																																																																																																																																									
	Sokshing	tic																																																																																																																																								
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	323	3	100	981																																																																																																																																					
	Firewood																																																																																																																																									
30-49	Cham	5377	57	100	4623																																																																																																																																					
	Firewood	655	7		516																																																																																																																																					
20-29	Tsim	5135	54	100	1537																																																																																																																																					
	Firewood	9628	102		3035																																																																																																																																					
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	78.8	83%																																																																																																																																								
Felling	15.8	17%																																																																																																																																								
Assessment carried out by				Karma Jigme										Year:	2020																																																																																																																											

Sub-Compartment Record																
Geog	Chang	Comp.	10	Sub-Comp.	Samazingkha	No.	10a									
Areas in ha																
Non Forest Area	16.2	Protection	26.4	In-operable		Production	50.7									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	12.3								
							Volume (m3/ha)	90.1								
							Volume conifer %	80%								
Number of trees/ha by diameter class (dbh>10cm)							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood		8			
							Spruce	8	Coppice		Bamboo		17			
							Mixed Conifer	17	Canopy	%	Cane					
							Blue Pine	58	Dense		Daphne		8			
							Chir Pine		Closed	17						
							Hardwood		Open	83						
							Mixed H/C	17	Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	50	Good	100	Grazing		33			
Immature	25	Average		Shokshing												
Mature	25	Poor		Lopping												
Overmature		Site Characteristics														
Slope	%	Erosiveness	%	Soil Cover	%											
Gentle	100	Stable	100	High		100										
Moderate		Moderate		Moderate												
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	%			
Chirpine																
Bluepine	7516	884	94	10	9	7	6	4				130	43			
Hemlock																
Spruce	29	177			3	1		2				6	2			
Fir	29	59	19									19	6			
Other Conifers		59		3	5		1					10	3			
Oak	177	295	19	17	3		1					40	13			
Acer																
Betula																
Rhododendron	354	295	19									19	6			
Other Broadleaves	295	413	75									75	25			
Total	8400	2181	226	31	21	8	8	5				299	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	305	6	53	839											
	Firewood	36	1		85											
30-49	Cham	441	9	36	517											
	Firewood	88	2		69											
20-29	Tsim			33												
	Firewood	516	10		171											
10-19	Poles, etc.	1434	28	38	120											
	Firewood	2868	57		204											
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	21.1	42%														
Felling																
Assessment carried out by		Kuenzang Norbu											Year:	2020		

Sub-Compartment Record																
Geog	Chang	Comp.	10	Sub-Comp.	Samazingkha	No.	10b									
Areas in ha																
Non Forest Area	5.8	Protection	25.5	In-operable		Production	64.3									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	20.8								
							Volume (m3/ha)	167.2								
							Volume conifer %	59%								
Number of trees/ha by diameter class (dbh>10cm)							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir	7	Natural	100	Firewood		27			
							Spruce		Coppice		Bamboo	7	13			
							Mixed Conifer	13	Canopy	%	Cane					
							Blue Pine	20	Dense		Daphne		20			
							Chir Pine		Closed	40						
							Hardwood	33	Open	60						
							Mixed H/C	27	Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	20	Good	100	Grazing		33			
Immature	33	Average		Shokshing												
Mature	47	Poor		Lopping												
Overmature		Site Characteristics														
Slope	%	Erosiveness	%	Soil Cover	%											
Gentle	100	Stable	100	High	100											
Moderate		Moderate		Moderate												
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	%			
Chirpine																
Bluepine	3183		68	5	3	3	1	0				80	20			
Hemlock				3	1							4	1			
Spruce	118	71	8	8	3	5	2	2	2	0		30	7			
Fir	589	165	8	14	1	7	4	2				35	9			
Other Conifers	307	283		8	7			0				15	4			
Oak	330	259	158	30	25	9	3			0		226	56			
Acer	47															
Betula																
Rhododendron	236	236														
Other Broadleaves		94	8	3			1					11	3			
Total	4810	1108	249	71	39	24	10	5	2	1		400	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	570	9	65	2094											
	Firewood	164	3		555											
30-49	Cham	501	8	47	617											
	Firewood	1411	22		1403											
20-29	Tsim	524	8	42	196											
	Firewood	1397	22		464											
10-19	Poles, etc.	970	15	45	81											
	Firewood	6304	98		506											
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	47.1	73%														
Felling																
Assessment carried out by		Kuenzang Norbu										Year:	2020			

Sub-Compartment Record																																																																																																																																								
Geog	Chang	Comp.	10	Sub-Comp.	Samazingkha	No.	10c																																																																																																																																	
Areas in ha																																																																																																																																								
Non Forest Area	55.5	Protection	15.3	In-operable		Production	18.6																																																																																																																																	
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Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																		
Hemlock		Plantation		Type	%	%																																																																																																																																		
Fir		Natural	100	Firewood		100																																																																																																																																		
Spruce		Coppice		Bamboo																																																																																																																																				
Mixed Conifer		Canopy	%	Cane																																																																																																																																				
Blue Pine	80	Dense		Daphne																																																																																																																																				
Chir Pine		Closed																																																																																																																																						
Hardwood		Open	80																																																																																																																																					
Mixed H/C	20	Unstocked	20	Forest Use	I	E																																																																																																																																		
Age Class	%	Condition	%	Type	%	%																																																																																																																																		
Young	60	Good	60	Grazing		20																																																																																																																																		
Immature	40	Average	40	Shokshing																																																																																																																																				
Mature		Poor		Lopping																																																																																																																																				
Overmature		Site Characteristics																																																																																																																																						
Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																			
Gentle	60	Stable	80	High	80																																																																																																																																			
Moderate	20	Moderate	20	Moderate	20																																																																																																																																			
Steep	20	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	%																																																																																																																											
Chirpine																																																																																																																																								
Bluepine	5659	566	249	8	17	20						294	82																																																																																																																											
Hemlock																																																																																																																																								
Spruce	71																																																																																																																																							
Fir																																																																																																																																								
Other Conifers																																																																																																																																								
Oak	212	212	45	8	8	3						64	18																																																																																																																											
Acer	141																																																																																																																																							
Betula																																																																																																																																								
Rhododendron		71																																																																																																																																						
Other Broadleaves	141	141																																																																																																																																						
Total	6225	990	294	16	25	23						358	100																																																																																																																											
Future Management & Monitoring of Activities																																																																																																																																								
Manag. Option	No activities																																																																																																																																							
	Improvement	tic																																																																																																																																						
	Timber Use	tic																																																																																																																																						
	Firewood Use	tic																																																																																																																																						
	Silvopasture																																																																																																																																							
	Sokshing	tic																																																																																																																																						
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	264	14	35	329																																																																																																																																			
	Firewood	47	3		69																																																																																																																																			
20-29	Tsim																																																																																																																																							
	Firewood	152	8	50	50																																																																																																																																			
10-19	Poles, etc.	1684	91	46	141																																																																																																																																			
	Firewood	842	45		68																																																																																																																																			
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	11.2	60%																																																																																																																																						
Felling																																																																																																																																								
Assessment carried out by		Kuenzang Norbu										Year:	2020																																																																																																																											

Sub-Compartment Record																																	
Geog	Chang	Comp.	10	Sub-Comp.	Samazingkha	No.	10e																										
Areas in ha																																	
Non Forest Area	29.0	Protection	35.0	In-operable	17.1	Production	8.6																										
Forest Composition and Description																																	
							Stand data																										
							Bas. Area (m2/ha)	5.0																									
							Volume (m3/ha)	36.1																									
							Volume conifer %	100%																									
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <table border="1"> <caption>Approximate data from diameter class chart</caption> <thead> <tr> <th>Diameter Class (cm)</th> <th>Number of trees/ha</th> </tr> </thead> <tbody> <tr><td>10-20</td><td>170</td></tr> <tr><td>20-30</td><td>0</td></tr> <tr><td>30-40</td><td>0</td></tr> <tr><td>40-50</td><td>0</td></tr> <tr><td>50-60</td><td>0</td></tr> <tr><td>60-70</td><td>10</td></tr> <tr><td>70-80</td><td>0</td></tr> <tr><td>80-90</td><td>0</td></tr> <tr><td>90+</td><td>0</td></tr> </tbody> </table>							Diameter Class (cm)	Number of trees/ha	10-20	170	20-30	0	30-40	0	40-50	0	50-60	0	60-70	10	70-80	0	80-90	0	90+	0	Forest Type	%	Stand Type	%	NWFP+firew.	A	S
							Diameter Class (cm)	Number of trees/ha																									
							10-20	170																									
							20-30	0																									
							30-40	0																									
							40-50	0																									
							50-60	0																									
							60-70	10																									
							70-80	0																									
							80-90	0																									
							90+	0																									
							Hemlock		Plantation		Type	%	%																				
							Fir		Natural	100	Firewood		50																				
							Spruce		Coppice		Bamboo																						
							Mixed Conifer	50	Canopy	%	Cane																						
Blue Pine	50	Dense		Daphne																													
Chir Pine		Closed																															
Hardwood		Open	100																														
Mixed H/C		Unstocked		Forest Use	I	E																											
Age Class	%	Condition	%	Type	%	%																											
Young	100	Good		Grazing		50																											
Immature		Average	100	Shokshing																													
Mature		Poor		Lopping																													
Overmature		Site Characteristics																															
Slope	%	Erosiveness	%	Soil Cover	%																												
Gentle	100	Stable	100	High	100																												
Moderate		Moderate		Moderate																													
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	%																				
Chirpine																																	
Bluepine	1238							6				6	3																				
Hemlock																																	
Spruce	177		170									170	97																				
Fir																																	
Other Conifers																																	
Oak																																	
Acer																																	
Betula																																	
Rhododendron																																	
Other Broadleaves		531																															
Total	1415	531	170					6				176	100																				
Future Management & Monitoring of Activities																																	
Manag. Option	No activities																																
	Improvement	tic																															
	Timber Use	tic																															
	Firewood Use	tic																															
	Silvopasture																																
	Sokshing	tic																															
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	3	100	90																												
	Firewood	26	3		90																												
30-49	Cham			###																													
	Firewood																																
20-29	Tsim			###																													
	Firewood																																
10-19	Poles, etc.	484	57	33	43																												
	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	4.3	50%																															
Thinning																																	
Felling																																	
Assessment carried out by			Kuenzang Norbu										Year:	2020																			

Sub-Compartment Record																
Geog	Chang	Comp.	10	Sub-Comp.	Samazingkha	No.	10f									
Areas in ha																
Non Forest Area	14.6	Protection	28.3	In-operable	11.7	Production	77.9									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	15.0								
							Volume (m3/ha)	100.9								
							Volume conifer %	85%								
							Forest Type % Hemlock Fir Spruce Mixed Conifer Blue Pine Chir Pine Hardw ood Mixed H/C		Stand Type % Plantation Natural Coppice Canopy % Dense Closed Open Unstocked		NWFP+firew. Type Firew ood Bamboo Cane Daphne		Forest Use I E			
							Age Class	Condition	Type							
							Young	50	Good	100	Grazing	20				
							Immature	30	Average		Shokshing					
							Mature	20	Poor		Lopping					
							Overmature									
							Site Characteristics									
							Slope	Erosiveness	Soil Cover							
							Gentle	90	Stable	95	High	95				
							Moderate	10	Moderate	5	Moderate	5				
							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	%			
Chirpine																
Bluepine	3714	796	226	47	20	9	4	2				307	70			
Hemlock					2			0				2	1			
Spruce		71	23	2	2		1		0			28	6			
Fir																
Other Conifers																
Oak	88	424	85	4	4	1						94	21			
Acer																
Betula																
Rhododendron	195	831			1							1	0			
Other Broadleaves	584	1256	6		2							8	2			
Total	4580	3378	340	53	31	9	5	2	0			440	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	324	4	81	838											
	Firewood	122	2		301											
30-49	Cham	650	8	28	658											
	Firewood	243	3		160											
20-29	Tsim	1111	14	31	350											
	Firewood	159	2		53											
10-19	Poles, etc.	8821	113	47	740											
	Firewood	3528	45		281											
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	39.0	50%														
Felling																
Assessment carried out by		Kuenzang Norbu											Year:	2020		

Sub-Compartment Record																
Geog	Chang	Comp.	10	Sub-Comp.	Samazingkha	No.	10g									
Areas in ha																
Non Forest Area	27.8	Protection	53.0	In-operable	11.1	Production	37.0									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	16.8								
							Volume (m3/ha)	119.3								
							Volume conifer %	73%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood		10			
							Spruce		Coppice		Bamboo		20			
							Mixed Conifer		Canopy	%	Cane					
							Blue Pine	70	Dense		Daphne					
							Chir Pine		Closed	30						
							Hardwood	20	Open	70						
							Mixed H/C	10	Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	30	Good	100	Grazing		20			
							Immature	40	Average		Shokshing					
							Mature	30	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	90	Stable	90	High	90											
Moderate	10	Moderate	10	Moderate	10											
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	%			
Chirpine																
Bluepine	6897	1450	192	33	42	8	5	2				281	68			
Hemlock																
Spruce	106	71	11									11	3			
Fir																
Other Conifers																
Oak	106	707	68	24	10	3	1	1				107	26			
Acer																
Betula																
Rhododendron	106	813														
Other Broadleaves	177	743	11									11	3			
Total	7392	3784	283	57	52	10	6	3				411	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	169	5	65	433											
	Firewood	45	1		156											
30-49	Cham	909	25	53	776											
	Firewood	308	8		239											
20-29	Tsim	604	16	50	190											
	Firewood	453	12		150											
10-19	Poles, etc.	3353	91	44	280											
	Firewood	1257	34		98											
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	22.2	60%														
Felling																
Assessment carried out by		Kuenzang Norbu											Year:	2020		

Sub-Compartment Record																
Geog	Chang	Comp.	10	Sub-Comp.	Samazingkha	No.	10h									
Areas in ha																
Non Forest Area	20.6	Protection	22.4	In-operable		Production	41.9									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	7.8								
							Volume (m3/ha)	45.0								
							Volume conifer %	100%								
Number of trees/ha by diameter class (dbh>10cm)							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	100	Dense		Daphne					
							Chir Pine		Closed							
							Hardwood		Open	100						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	100	Good		Grazing		22			
Immature		Average	100	Shokshing												
Mature		Poor		Lopping												
Overmature		Site Characteristics														
Slope	%	Erosiveness	%	Soil Cover	%											
Gentle	89	Stable	89	High	89											
Moderate	11	Moderate	11	Moderate	11											
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	%			
Chirpine																
Bluepine	2279	3222	277	27	9	1	1	1				316	100			
Hemlock																
Spruce																
Fir																
Other Conifers																
Oak	511	1926														
Acer																
Betula																
Rhododendron	157	2043														
Other Broadleaves	196	825														
Total	3144	8017	277	27	9	1	1	1				316	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	67	2	100	185											
	Firewood															
30-49	Cham	291	7	65	216											
	Firewood															
20-29	Tsim	380	9	33	120											
	Firewood															
10-19	Poles, etc.	3692	88	32	309											
	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	14.0	33%														
Felling																
Assessment carried out by		Kuenzang Norbu										Year:	2020			

Sub-Compartment Record																																																																																																																																							
Geog	Chang	Comp.	11	Sub-Comp.	Lungtenphu	No.	11a																																																																																																																																
Areas in ha																																																																																																																																							
Non Forest Area	4.7	Protection	9.6	In-operable		Production	56.2																																																																																																																																
Forest Composition and Description																																																																																																																																							
							Stand data																																																																																																																																
							Bas. Area (m2/ha)	21.2																																																																																																																															
							Volume (m3/ha)	188.8																																																																																																																															
							Volume conifer %	95%																																																																																																																															
							<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td></td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td></td> <td>31</td> </tr> <tr> <td>Spruce</td> <td>31</td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td>46</td> </tr> <tr> <td>Mixed Conifer</td> <td>38</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td>23</td> <td>Dense</td> <td></td> <td>Daphne</td> <td></td> <td>54</td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>23</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td></td> <td>Open</td> <td>77</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td>8</td> <td>Unstocked</td> <td></td> <th>Forest Use</th> <th>I</th> <th>E</th> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td>15</td> <td>Good</td> <td>100</td> <td>Grazing</td> <td></td> <td>69</td> </tr> <tr> <td>Immature</td> <td>8</td> <td>Average</td> <td></td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>77</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th>Site Characteristics</th> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th>%</th> <td></td> </tr> <tr> <td>Gentle</td> <td>100</td> <td>Stable</td> <td>100</td> <td>High</td> <td></td> <td>100</td> </tr> <tr> <td>Moderate</td> <td></td> <td>Moderate</td> <td></td> <td>Moderate</td> <td></td> <td></td> </tr> <tr> <td>Steep</td> <td></td> <td>Unstable</td> <td></td> <td>Low</td> <td></td> <td></td> </tr> </tbody> </table>			Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock		Plantation		Type	%	%	Fir		Natural	100	Firewood		31	Spruce	31	Coppice		Bamboo		46	Mixed Conifer	38	Canopy	%	Cane			Blue Pine	23	Dense		Daphne		54	Chir Pine		Closed	23				Hardwood		Open	77				Mixed H/C	8	Unstocked		Forest Use	I	E	Age Class	%	Condition	%	Type	%	%	Young	15	Good	100	Grazing		69	Immature	8	Average		Shokshing			Mature	77	Poor		Lopping			Overmature		Site Characteristics					Slope	%	Erosiveness	%	Soil Cover	%		Gentle	100	Stable	100	High		100	Moderate		Moderate		Moderate			Steep		Unstable		Low		
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																	
Hemlock		Plantation		Type	%	%																																																																																																																																	
Fir		Natural	100	Firewood		31																																																																																																																																	
Spruce	31	Coppice		Bamboo		46																																																																																																																																	
Mixed Conifer	38	Canopy	%	Cane																																																																																																																																			
Blue Pine	23	Dense		Daphne		54																																																																																																																																	
Chir Pine		Closed	23																																																																																																																																				
Hardwood		Open	77																																																																																																																																				
Mixed H/C	8	Unstocked		Forest Use	I	E																																																																																																																																	
Age Class	%	Condition	%	Type	%	%																																																																																																																																	
Young	15	Good	100	Grazing		69																																																																																																																																	
Immature	8	Average		Shokshing																																																																																																																																			
Mature	77	Poor		Lopping																																																																																																																																			
Overmature		Site Characteristics																																																																																																																																					
Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																		
Gentle	100	Stable	100	High		100																																																																																																																																	
Moderate		Moderate		Moderate																																																																																																																																			
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	%																																																																																																																										
Chirpine																																																																																																																																							
Bluepine	3455	408	70	3	16	20	4	2	1	0	0	117	40																																																																																																																										
Hemlock	218	27	9		2			1	0	0	1	13	4																																																																																																																										
Spruce	1469	136	9	9		8	10	8	1	1		46	16																																																																																																																										
Fir																																																																																																																																							
Other Conifers	163	54	44	16	3							62	21																																																																																																																										
Oak			26	3	5							34	12																																																																																																																										
Acer																																																																																																																																							
Betula																																																																																																																																							
Rhododendron		109																																																																																																																																					
Other Broadleaves	54	136	17	3								21	7																																																																																																																										
Total	5360	871	174	34	26	28	15	11	3	2		293	100																																																																																																																										
Future Management & Monitoring of Activities																																																																																																																																							
Manag. Option	No activities																																																																																																																																						
	Improvement	tic																																																																																																																																					
	Timber Use	tic																																																																																																																																					
	Firewood Use	tic																																																																																																																																					
	Silvopasture																																																																																																																																						
	Sokshing	tic																																																																																																																																					
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	866	15	52	3149																																																																																																																																		
	Firewood	36	1		92																																																																																																																																		
30-49	Cham	1354	24	57	1597																																																																																																																																		
	Firewood	378	7		366																																																																																																																																		
20-29	Tsim	176	3	9	49																																																																																																																																		
	Firewood																																																																																																																																						
10-19	Poles, etc.	2445	44	30	205																																																																																																																																		
	Firewood	489	9		40																																																																																																																																		
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	43.2	77%																																																																																																																																					
Felling																																																																																																																																							
Assessment carried out by			Kuenzang Norbu										Year:	2020																																																																																																																									

Sub-Compartment Record																																																																																																																																									
Geog	Chang	Comp.	11	Sub-Comp.	Lungtenphu	No.	11b																																																																																																																																		
Areas in ha																																																																																																																																									
Non Forest Area	9.0	Protection	4.0	In-operable	3.9	Production	70.4																																																																																																																																		
Forest Composition and Description																																																																																																																																									
							Stand data																																																																																																																																		
							Bas. Area (m2/ha)	16.3																																																																																																																																	
							Volume (m3/ha)	150.9																																																																																																																																	
							Volume conifer %	96%																																																																																																																																	
							<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td></td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td></td> <td>6</td> </tr> <tr> <td>Spruce</td> <td>33</td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td>33</td> </tr> <tr> <td>Mixed Conifer</td> <td>17</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td>39</td> <td>Dense</td> <td></td> <td>Daphne</td> <td></td> <td>50</td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>28</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td></td> <td>Open</td> <td>72</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td>11</td> <td>Unstocked</td> <td></td> <th colspan="2">Forest Use</th> <th>I</th> <th>E</th> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td>33</td> <td>Good</td> <td>83</td> <td>Grazing</td> <td></td> <td>44</td> </tr> <tr> <td>Immature</td> <td>17</td> <td>Average</td> <td>17</td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>50</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="2">Site Characteristics</th> <td></td> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th colspan="2">%</th> </tr> <tr> <td>Gentle</td> <td>100</td> <td>Stable</td> <td>94</td> <td>High</td> <td colspan="2">89</td> </tr> <tr> <td>Moderate</td> <td></td> <td>Moderate</td> <td>6</td> <td>Moderate</td> <td colspan="2">11</td> </tr> <tr> <td>Steep</td> <td></td> <td>Unstable</td> <td></td> <td>Low</td> <td colspan="2"></td> </tr> </tbody> </table>				Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock		Plantation		Type	%	%	Fir		Natural	100	Firewood		6	Spruce	33	Coppice		Bamboo		33	Mixed Conifer	17	Canopy	%	Cane			Blue Pine	39	Dense		Daphne		50	Chir Pine		Closed	28				Hardwood		Open	72				Mixed H/C	11	Unstocked		Forest Use		I	E	Age Class	%	Condition	%	Type	%	%	Young	33	Good	83	Grazing		44	Immature	17	Average	17	Shokshing			Mature	50	Poor		Lopping			Overmature		Site Characteristics					Slope	%	Erosiveness	%	Soil Cover	%		Gentle	100	Stable	94	High	89		Moderate		Moderate	6	Moderate	11		Steep		Unstable		Low		
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																			
Hemlock		Plantation		Type	%	%																																																																																																																																			
Fir		Natural	100	Firewood		6																																																																																																																																			
Spruce	33	Coppice		Bamboo		33																																																																																																																																			
Mixed Conifer	17	Canopy	%	Cane																																																																																																																																					
Blue Pine	39	Dense		Daphne		50																																																																																																																																			
Chir Pine		Closed	28																																																																																																																																						
Hardwood		Open	72																																																																																																																																						
Mixed H/C	11	Unstocked		Forest Use		I	E																																																																																																																																		
Age Class	%	Condition	%	Type	%	%																																																																																																																																			
Young	33	Good	83	Grazing		44																																																																																																																																			
Immature	17	Average	17	Shokshing																																																																																																																																					
Mature	50	Poor		Lopping																																																																																																																																					
Overmature		Site Characteristics																																																																																																																																							
Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																				
Gentle	100	Stable	94	High	89																																																																																																																																				
Moderate		Moderate	6	Moderate	11																																																																																																																																				
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	%																																																																																																																												
Chirpine																																																																																																																																									
Bluepine	6091	334	57	14	8	3	1	2	1	1		86	41																																																																																																																												
Hemlock	982	20				1	0	1				2	1																																																																																																																												
Spruce	314	59	19		6	17	11	9	2	0		63	30																																																																																																																												
Fir	20																																																																																																																																								
Other Conifers		20																																																																																																																																							
Oak	118	354		2								2	1																																																																																																																												
Acer																																																																																																																																									
Betula																																																																																																																																									
Rhododendron	196	196																																																																																																																																							
Other Broadleaves	98	118	50	5								55	26																																																																																																																												
Total	7820	1100	126	20	14	21	13	11	3	1		209	100																																																																																																																												
Future Management & Monitoring of Activities																																																																																																																																									
Manag. Option	No activities																																																																																																																																								
	Improvement	tic																																																																																																																																							
	Timber Use	tic																																																																																																																																							
	Firewood Use	tic																																																																																																																																							
	Silvopasture																																																																																																																																								
	Sokshing	tic																																																																																																																																							
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	1249	18	64	4292																																																																																																																																				
	Firewood																																																																																																																																								
30-49	Cham	950	13	49	1298																																																																																																																																				
	Firewood	244	3		188																																																																																																																																				
20-29	Tsim	478	7	44	151																																																																																																																																				
	Firewood	159	2		50																																																																																																																																				
10-19	Poles, etc.	2214	31	45	185																																																																																																																																				
	Firewood	1772	25		126																																																																																																																																				
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	43.0	61%																																																																																																																																							
Felling																																																																																																																																									
Assessment carried out by			Kuenzang Norbu										Year:	2020																																																																																																																											

Sub-Compartment Record																
Geog	Chang	Comp.	11	Sub-Comp.	Lungtenphu	No.	11c									
Areas in ha																
Non Forest Area	6.6	Protection	2.5	In-operable		Production	70.4									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	18.9								
							Volume (m3/ha)	131.6								
							Volume conifer %	97%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood		11			
							Spruce	6	Coppice		Bamboo					
							Mixed Conifer	11	Canopy	%	Cane					
							Blue Pine	83	Dense		Daphne		22			
							Chir Pine		Closed	17						
							Hardwood		Open	83						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	56	Good	100	Grazing		39			
							Immature	39	Average		Shokshing					
							Mature	6	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	100	Stable	100	High	100											
Moderate		Moderate		Moderate												
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	%			
Chirpine																
Bluepine	6386	1277	302	52	50	7	3	2	0			416	79			
Hemlock																
Spruce	20	295	44	2		4	0	2	0	1		53	10			
Fir																
Other Conifers	20	39														
Oak	39	531	13									13	2			
Acer																
Betula																
Rhododendron	20	39														
Other Broadleaves		295	44									44	8			
Total	6484	2476	402	54	50	11	3	4	1	1		526	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	375	5	73	1268											
	Firewood	41	1		171											
30-49	Cham	2721	39	63	2349											
	Firewood															
20-29	Tsim	2392	34	67	754											
	Firewood	159	2		50											
10-19	Poles, etc.	13287	189	63	1116											
	Firewood	4429	63		329											
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	35.2	50%														
Felling																
Assessment carried out by		Kuenzang Norbu										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	11	Sub-Comp.	Lungtenphu	No.	11d									
Areas in ha																
Non Forest Area	16.6	Protection		In-operable		Production	62.6									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	14.6								
							Volume (m3/ha)	102.0								
							Volume conifer %	100%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood		15			
							Spruce		Coppice		Bamboo					
							Mixed Conifer		Canopy	%	Cane					
							Blue Pine	85	Dense		Daphne					
							Chir Pine		Closed	15						
							Hardwood	15	Open	85						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	46	Good	100	Grazing		54			
							Immature	46	Average		Shokshing					
							Mature	8	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%				
Gentle	100	Stable	100	High	100											
Moderate		Moderate		Moderate												
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	%			
Chirpine																
Bluepine	8488	707	252	50	50	6	3	3	1			364	98			
Hemlock																
Spruce		27	9									9	2			
Fir																
Other Conifers	27	136														
Oak	735	626														
Acer																
Betula																
Rhododendron		54														
Other Broadleaves		272														
Total	9250	1823	261	50	50	6	3	3	1			373	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	197	3	52	585											
	Firewood															
30-49	Cham	1944	31	68	1618											
	Firewood	400	6		298											
20-29	Tsim	1765	28	69	557											
	Firewood	392	6		124											
10-19	Poles, etc.	8174	131	53	683											
	Firewood	545	9		46											
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	38.5	62%														
Felling																
Assessment carried out by		Kuenzang Norbu										Year:	2020			

Sub-Compartment Record															
Geog	Chang	Comp.	11	Sub-Comp.	Lungtenphu	No.	11e								
Areas in ha															
Non Forest Area	32.1	Protection	30.9	In-operable	8.1	Production	24.4								
Forest Composition and Description															
							Stand data								
							Bas. Area (m2/ha)	9.3							
							Volume (m3/ha)	52.4							
							Volume conifer %	100%							
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							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	100	Dense		Daphne				
							Chir Pine		Closed						
							Hardwood		Open	100					
							Mixed H/C		Unstocked		Forest Use	I	E		
							Age Class	%	Condition	%	Type	%	%		
							Young	100	Good	100	Grazing		100		
							Immature		Average		Shokshing				
							Mature		Poor		Lopping				
							Overmature		Site Characteristics						
							Slope	%	Erosiveness	%	Soil Cover	%			
Gentle	100	Stable	100	High	100										
Moderate		Moderate		Moderate											
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	%		
Chirpine															
Bluepine	4657	1002	340	34	14	2						389	100		
Hemlock															
Spruce															
Fir															
Other Conifers															
Oak															
Acer															
Betula															
Rhododendron	472	295													
Other Broadleaves	1356	1179													
Total	6484	2476	340	34	14	2						389	100		
Future Management & Monitoring of Activities															
Manag. Option	No activities														
	Improvement	tic													
	Timber Use	tic													
	Firewood Use	tic													
	Silvopasture														
	Shokshing	tic													
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		
>50	Drashing			###											
	Firewood														
30-49	Cham	220	9	57	200										
	Firewood														
20-29	Tsim	497	20	60	157										
	Firewood														
10-19	Poles, etc.	4138	170	50	346										
	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	24.4	100%													
Felling															
Assessment carried out by		Kuenzang Norbu										Year:	2020		

Sub-Compartment Record																																	
Geog	Chang	Comp.	11	Sub-Comp.	Lungtenphu	No.	11f																										
Areas in ha																																	
Non Forest Area	8.1	Protection	64.2	In-operable		Production	5.4																										
Forest Composition and Description																																	
							Stand data																										
							Bas. Area (m2/ha)	10.0																									
							Volume (m3/ha)	60.8																									
							Volume conifer %	100%																									
Number of trees/ha by diameter class (dbh>10cm)							Forest Type	%	Stand Type	%	NWFP+firew.	A	S																				
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <table border="1"> <thead> <tr> <th>Diameter Class (cm)</th> <th>Number of trees/ha</th> </tr> </thead> <tbody> <tr><td>10-20</td><td>115</td></tr> <tr><td>20-30</td><td>165</td></tr> <tr><td>30-40</td><td>10</td></tr> <tr><td>40-50</td><td>5</td></tr> <tr><td>50-60</td><td>2</td></tr> <tr><td>60-70</td><td>1</td></tr> <tr><td>70-80</td><td>1</td></tr> <tr><td>80-90</td><td>1</td></tr> <tr><td>90+</td><td>1</td></tr> </tbody> </table>							Diameter Class (cm)	Number of trees/ha	10-20	115	20-30	165	30-40	10	40-50	5	50-60	2	60-70	1	70-80	1	80-90	1	90+	1	Hemlock		Plantation		Type	%	%
							Diameter Class (cm)	Number of trees/ha																									
							10-20	115																									
							20-30	165																									
							30-40	10																									
							40-50	5																									
							50-60	2																									
							60-70	1																									
							70-80	1																									
							80-90	1																									
90+	1																																
Fir		Natural	100	Firewood																													
Spruce		Coppice		Bamboo																													
Mixed Conifer		Canopy	%	Cane																													
Blue Pine	100	Dense		Daphne																													
Chir Pine		Closed																															
Hardwood		Open	100																														
Mixed H/C		Unstocked		Forest Use	I	E																											
Age Class	%	Condition	%	Type	%	%																											
Young	100	Good	100	Grazing		100																											
Immature		Average		Shokshing																													
Mature		Poor		Lopping																													
Overmature		Site Characteristics																															
Slope	%	Erosiveness	%	Soil Cover	%	%																											
Gentle	100	Stable	100	High		100																											
Moderate		Moderate		Moderate																													
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	%																				
Chirpine																																	
Bluepine	1061	707	113	163								276	100																				
Hemlock																																	
Spruce																																	
Fir																																	
Other Conifers																																	
Oak	1061	2829																															
Acer																																	
Betula																																	
Rhododendron		2829																															
Other Broadleaves	1415	2476																															
Total	3537	8842	113	163								276	100																				
Future Management & Monitoring of Activities																																	
Manag. Option	No activities																																
	Improvement	tic																															
	Timber Use	tic																															
	Firewood Use	tic																															
	Silvopasture																																
	Sokshing	tic																															
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			###																													
	Firewood																																
20-29	Tsim	436	81	50	137																												
	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																																	
Assessment carried out by		Kuenzang Norbu											Year:	2020																			

Sub-Compartment Record																
Geog	Chang	Comp.	11	Sub-Comp.	Lungtenphu	No.	11j									
Areas in ha																
Non Forest Area	33.6	Protection	30.1	In-operable	12.4	Production	8.3									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	3.0								
							Volume (m3/ha)	14.2								
							Volume conifer %	100%								
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	100	Firewood		50			
							Spruce		Coppice		Bamboo					
							Mixed Conifer		Canopy	%	Cane					
							Blue Pine	50	Dense		Daphne					
							Chir Pine		Closed							
							Hardwood	50	Open	100						
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	100	Good	100	Grazing		100			
							Immature		Average		Shokshing					
							Mature		Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	% %				
Gentle	100	Stable	100	High	100											
Moderate		Moderate		Moderate												
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	%			
Chirpine																
Bluepine	884		170									170	100			
Hemlock																
Spruce																
Fir																
Other Conifers																
Oak	531	2829														
Acer																
Betula																
Rhododendron																
Other Broadleaves																
Total	1415	2829	170									170	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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		###													
	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	8.3	100%														
Felling																
Assessment carried out by		Kuenzang Norbu										Year:	2020			

Sub-Compartment Record																																																																																																																																								
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Areas in ha																																																																																																																																								
Non Forest Area	0.2		Protection	30.1			In-operable	8.4		Production	71.1																																																																																																																													
Forest Composition and Description																																																																																																																																								
										Stand data																																																																																																																														
										Bas. Area (m2/ha)	24.5																																																																																																																													
										Volume (m3/ha)	195.1																																																																																																																													
										Volume conifer %	93%																																																																																																																													
<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>12</td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td>65</td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td></td> <td>65</td> </tr> <tr> <td>Spruce</td> <td></td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td>12</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td></td> <td>Dense</td> <td></td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>6</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td></td> <td>Open</td> <td>94</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td>12</td> <td>Unstocked</td> <td></td> <th>Forest Use</th> <th>I</th> <th>E</th> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td>6</td> <td>Good</td> <td>100</td> <td>Grazing</td> <td></td> <td>59</td> </tr> <tr> <td>Immature</td> <td>6</td> <td>Average</td> <td></td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>88</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="2">Site Characteristics</th> <td></td> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th>%</th> <td></td> </tr> <tr> <td>Gentle</td> <td>100</td> <td>Stable</td> <td>100</td> <td>High</td> <td>100</td> <td></td> </tr> <tr> <td>Moderate</td> <td></td> <td>Moderate</td> <td></td> <td>Moderate</td> <td></td> <td></td> </tr> <tr> <td>Steep</td> <td></td> <td>Unstable</td> <td></td> <td>Low</td> <td></td> <td></td> </tr> </tbody> </table>											Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock	12	Plantation		Type	%	%	Fir	65	Natural	100	Firewood		65	Spruce		Coppice		Bamboo			Mixed Conifer	12	Canopy	%	Cane			Blue Pine		Dense		Daphne			Chir Pine		Closed	6				Hardwood		Open	94				Mixed H/C	12	Unstocked		Forest Use	I	E	Age Class	%	Condition	%	Type	%	%	Young	6	Good	100	Grazing		59	Immature	6	Average		Shokshing			Mature	88	Poor		Lopping			Overmature		Site Characteristics					Slope	%	Erosiveness	%	Soil Cover	%		Gentle	100	Stable	100	High	100		Moderate		Moderate		Moderate			Steep		Unstable		Low		
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Bluepine																																																																																																																																								
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Spruce																																																																																																																																								
Fir	4681	62	7	7	18	10	9	6	4	1		63	15																																																																																																																											
Other Conifers	728	270	233	50	26	4	0					313	73																																																																																																																											
Oak	21	187			1	2	0	1		0		5	1																																																																																																																											
Acer																																																																																																																																								
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Rhododendron	728	187	33									33	8																																																																																																																											
Other Broadleaves		208																																																																																																																																						
Total	6366	915	273	60	46	18	12	10	5	2		426	100																																																																																																																											
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Product size	N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029																																																																																																																										
50 >	Drashing	1271	18	63	4401																																																																																																																																			
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30-49	Cham	2649	37	65	2474																																																																																																																																			
	Firewood	348	5		228																																																																																																																																			
20-29	Tsim	1022	14	28	283																																																																																																																																			
	Firewood	170	2		47																																																																																																																																			
10-19	Poles, etc.	8520	120	61	728																																																																																																																																			
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Overmature		Site Characteristics																																																																																																																																							
Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																				
Gentle	74	Stable	87	High	96																																																																																																																																				
Moderate	22	Moderate	13	Moderate	4																																																																																																																																				
Steep	4	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	%																																																																																																																												
Chirpine																																																																																																																																									
Bluepine	2214	2153	271	43	3	4	1	0				321	42																																																																																																																												
Hemlock	138	108				1		1	1	0		3	0																																																																																																																												
Spruce	431	246	25	4	2	2	0	2		1		34	4																																																																																																																												
Fir	231	46		2	1	3	3	2	0	0		10	1																																																																																																																												
Other Conifers	62	15	98	11	1	4	1					115	15																																																																																																																												
Oak	323	1076	167	46	14	2	0	0				230	30																																																																																																																												
Acer																																																																																																																																									
Betula																																																																																																																																									
Rhododendron	1153	953	54	4								58	7																																																																																																																												
Other Broadleaves	77	185																																																																																																																																							
Total	4629	4782	615	108	20	15	5	5	1	1		771	100																																																																																																																												
Future Management & Monitoring of Activities																																																																																																																																									
Manag. Option	No activities																																																																																																																																								
	Improvement	tic																																																																																																																																							
	Timber Use	tic																																																																																																																																							
	Firewood Use	tic																																																																																																																																							
	Silvopasture																																																																																																																																								
	Sokshing	tic																																																																																																																																							
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	492	5	50	1867																																																																																																																																				
	Firewood	66	1		135																																																																																																																																				
30-49	Cham	856	9	68	1100																																																																																																																																				
	Firewood	1310	14		1175																																																																																																																																				
20-29	Tsim	2404	27	52	739																																																																																																																																				
	Firewood	2725	30		862																																																																																																																																				
10-19	Poles, etc.	22262	246	70	1878																																																																																																																																				
	Firewood	16474	182		1282																																																																																																																																				
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	78.7	87%																																																																																																																																							
Felling																																																																																																																																									
Assessment carried out by		Kuenzang Norbu										Year:	2020																																																																																																																												

Sub-Compartment Record																																																																																																																																										
Geog	Chang	Comp.	12	Sub-Comp.	Yusipang	No.	12c																																																																																																																																			
Areas in ha																																																																																																																																										
Non Forest Area	23.4	Protection	36.9	In-operable	4.6	Production	18.4																																																																																																																																			
Forest Composition and Description																																																																																																																																										
							Stand data																																																																																																																																			
							Bas. Area (m2/ha)	12.0																																																																																																																																		
							Volume (m3/ha)	69.7																																																																																																																																		
							Volume conifer %	93%																																																																																																																																		
<p>Number of trees/ha by diameter class (dbh>10cm)</p>							<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td></td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td></td> <td>25</td> </tr> <tr> <td>Spruce</td> <td></td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td>25</td> </tr> <tr> <td>Mixed Conifer</td> <td>50</td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td>50</td> <td>Dense</td> <td></td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>50</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td></td> <td>Open</td> <td>50</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td></td> <th colspan="2">Forest Use</th> <td>I</td> <td>E</td> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td>75</td> <td>Good</td> <td>100</td> <td>Grazing</td> <td></td> <td>100</td> </tr> <tr> <td>Immature</td> <td>25</td> <td>Average</td> <td></td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td></td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="4">Site Characteristics</th> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th colspan="2">%</th> </tr> <tr> <td>Gentle</td> <td>100</td> <td>Stable</td> <td>100</td> <td>High</td> <td colspan="2">75</td> </tr> <tr> <td>Moderate</td> <td></td> <td>Moderate</td> <td></td> <td>Moderate</td> <td colspan="2">25</td> </tr> <tr> <td>Steep</td> <td></td> <td>Unstable</td> <td></td> <td>Low</td> <td colspan="2"></td> </tr> </tbody> </table>				Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock		Plantation		Type	%	%	Fir		Natural	100	Firewood		25	Spruce		Coppice		Bamboo		25	Mixed Conifer	50	Canopy	%	Cane			Blue Pine	50	Dense		Daphne			Chir Pine		Closed	50				Hardwood		Open	50				Mixed H/C		Unstocked		Forest Use		I	E	Age Class	%	Condition	%	Type	%	%	Young	75	Good	100	Grazing		100	Immature	25	Average		Shokshing			Mature		Poor		Lopping			Overmature		Site Characteristics						Slope	%	Erosiveness	%	Soil Cover	%		Gentle	100	Stable	100	High	75		Moderate		Moderate		Moderate	25		Steep		Unstable		Low		
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																				
Hemlock		Plantation		Type	%	%																																																																																																																																				
Fir		Natural	100	Firewood		25																																																																																																																																				
Spruce		Coppice		Bamboo		25																																																																																																																																				
Mixed Conifer	50	Canopy	%	Cane																																																																																																																																						
Blue Pine	50	Dense		Daphne																																																																																																																																						
Chir Pine		Closed	50																																																																																																																																							
Hardwood		Open	50																																																																																																																																							
Mixed H/C		Unstocked		Forest Use		I	E																																																																																																																																			
Age Class	%	Condition	%	Type	%	%																																																																																																																																				
Young	75	Good	100	Grazing		100																																																																																																																																				
Immature	25	Average		Shokshing																																																																																																																																						
Mature		Poor		Lopping																																																																																																																																						
Overmature		Site Characteristics																																																																																																																																								
Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																					
Gentle	100	Stable	100	High	75																																																																																																																																					
Moderate		Moderate		Moderate	25																																																																																																																																					
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	%																																																																																																																													
Chirpine																																																																																																																																										
Bluepine	2564	2829	226	81	5		2					315	71																																																																																																																													
Hemlock	354	177																																																																																																																																								
Spruce	354	1326	85		5							90	20																																																																																																																													
Fir																																																																																																																																										
Other Conifers																																																																																																																																										
Oak	265	177	28									28	6																																																																																																																													
Acer																																																																																																																																										
Betula																																																																																																																																										
Rhododendron	973	707		10								10	2																																																																																																																													
Other Broadleaves	354	354																																																																																																																																								
Total	4863	5570	340	92	10		2					444	100																																																																																																																													
Future Management & Monitoring of Activities																																																																																																																																										
Manag. Option	No activities																																																																																																																																									
	Improvement	tic																																																																																																																																								
	Timber Use	tic																																																																																																																																								
	Firewood Use	tic																																																																																																																																								
	Silvopasture																																																																																																																																									
	Sokshing	tic																																																																																																																																								
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	2	100	86																																																																																																																																					
	Firewood																																																																																																																																									
30-49	Cham	95	5	50	78																																																																																																																																					
	Firewood																																																																																																																																									
20-29	Tsim	1309	71	89	412																																																																																																																																					
	Firewood	187	10		44																																																																																																																																					
10-19	Poles, etc.	4154	226	75	353																																																																																																																																					
	Firewood	519	28		42																																																																																																																																					
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	18.4	100%																																																																																																																																								
Felling																																																																																																																																										
Assessment carried out by		Kuenzang Norbu										Year:	2020																																																																																																																													

Sub-Compartment Record																
Geog	Chang		Comp.	12		Sub-Comp.	Yusipang		No.	12d						
Areas in ha																
Non Forest Area	11.4		Protection	35.4		In-operable	Production		33.8							
Forest Composition and Description																
								Stand data								
								Bas. Area (m2/ha)	16.6							
								Volume (m3/ha)	95.7							
								Volume conifer %	95%							
<p>Number of trees/ha by diameter class (dbh>10cm)</p>								Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
								Hemlock		Plantation		Type	%	%		
								Fir		Natural	100	Firewood		40		
								Spruce		Coppice		Bamboo				
								Mixed Conifer		Canopy	%	Cane				
								Blue Pine	100	Dense		Daphne				
								Chir Pine		Closed	30					
								Hardwood		Open	70					
								Mixed H/C		Unstocked		Forest Use	I	E		
								Age Class	%	Condition	%	Type	%	%		
								Young		Good	100	Grazing		100		
								Immature	50	Average		Shokshing				
								Mature	50	Poor		Lopping				
								Overmature		Site Characteristics						
								Slope	%	Erosiveness	%	Soil Cover	%			
Gentle	100	Stable	100	High												
Moderate		Moderate		Moderate	100											
Steep		Unstable		Low												
Species	Height	N/ha per diameter class									Total (> 10cm)					
	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	%			
Chirpine																
Bluepine	884	743	464	94	25			1				584	91			
Hemlock																
Spruce																
Fir																
Other Conifers																
Oak	141		57									57	9			
Acer																
Betula																
Rhododendron	531	495														
Other Broadleaves	141	460														
Total	1698	1698	521	94	25			1				640	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
Production Potential (N, Volume)				No of trees removed each year												
Product size	N total	N/ha	%	(m3)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total	%
>50	Drashing	20	1	50	71											
	Firewood															
30-49	Cham	703	21	83	523											
	Firewood															
20-29	Tsim	1929	57	61	608											
	Firewood															
10-19	Poles, etc.	8038	238	52	672											
	Firewood	1148	34		93											
Silvicultural Measures				Area in ha implemented per year												
Measure	Area (ha)	in %		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Total	%	
Planting																
Thinning	33.8	100%														
Felling																
Assessment carried out by		Kuenzang Norbu											Year:	2020		

Sub-Compartment Record																
Geog	Chang		Comp.	12			Sub-Comp.	Yusipang		No.	12e					
Areas in ha																
Non Forest Area	15.4		Protection	9.9			In-operable	4.4		Production	48.0					
Forest Composition and Description																
										Stand data						
										Bas. Area (m2/ha)	12.7					
										Volume (m3/ha)	83.7					
										Volume conifer %	92%					
										Forest Type	%	Stand Type	%	NWFP+firew.	A	S
										Hemlock		Plantation		Type	%	%
										Fir		Natural	100	Firewood		55
										Spruce		Coppice		Bamboo		
										Mixed Conifer		Canopy	%	Cane		
										Blue Pine	100	Dense		Daphne		
										Chir Pine		Closed	27			
										Hardwood		Open	73			
										Mixed H/C		Unstocked		Forest Use	I	E
										Age Class	%	Condition	%	Type	%	%
										Young	9	Good	64	Grazing		100
										Immature	55	Average	36	Shokshing		
										Mature	36	Poor		Lopping		
										Overmature		Site Characteristics				
										Slope	%	Erosiveness	%	Soil Cover	%	
										Gentle	100	Stable	91	High		
										Moderate		Moderate	9	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	%			
Chirpine																
Bluepine	2219	1736	195	67	32	3	3	1	0			302	85			
Hemlock																
Spruce																
Fir																
Other Conifers																
Oak		32	51									51	14			
Acer																
Betula																
Rhododendron	322	707														
Other Broadleaves	64	675		4								4	1			
Total	2604	3151	247	67	36	3	3	1	0			357	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	119	2	81	354											
	Firewood	37	1		82											
30-49	Cham	1198	25	90	969											
	Firewood	508	11		402											
20-29	Tsim	2133	44	67	672											
	Firewood															
10-19	Poles, etc.	4937	103	58	413											
	Firewood	1975	41		161											
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	48.0	100%														
Felling																
Assessment carried out by			Kuenzang Norbu									Year:	2020			

Sub-Compartment Record																
Geog	Chang		Comp.	12		Sub-Comp.	Yusipang		No.	12f						
Areas in ha																
Non Forest Area	8.1		Protection	14.1		In-operable	Production		58.4							
Forest Composition and Description																
								Stand data								
								Bas. Area (m2/ha)	10.5							
								Volume (m3/ha)	72.2							
								Volume conifer %	92%							
<p>Number of trees/ha by diameter class (dbh>10cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Other Broadleaves Acer Fir Bluepine Rhododendron Oak Spruce Chirpine Betula Other Conifers Hemlock 								Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
								Hemlock		Plantation		Type	%	%		
								Fir		Natural	100	Firewood		9		
								Spruce		Coppice		Bamboo				
								Mixed Conifer		Canopy	%	Cane				
								Blue Pine	82	Dense		Daphne				
								Chir Pine		Closed	18					
								Hardwood		Open	64					
								Mixed H/C	18	Unstocked	18	Forest Use	I	E		
								Age Class	%	Condition	%	Type	%	%		
								Young	27	Good	91	Grazing		91		
								Immature	64	Average	9	Shokshing				
								Mature	9	Poor		Lopping				
								Overmature		Site Characteristics						
								Slope	%	Erosiveness	%	Soil Cover	%			
Gentle	100	Stable	73	High	64											
Moderate		Moderate	18	Moderate	36											
Steep		Unstable	9	Low												
Species	Height	N/ha per diameter class										Total (> 10cm)				
	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	%			
Chirpine																
Bluepine	1640	997	113	48	23	3	2	2	0			191	71			
Hemlock																
Spruce	161			7	6	1						14	5			
Fir																
Other Conifers																
Oak		418	21									21	8			
Acer																
Betula																
Rhododendron		161														
Other Broadleaves	32	707	41	4								45	17			
Total	1833	2283	175	59	28	5	2	2	0			271	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	153	3	73	422											
	Firewood															
30-49	Cham	1261	22	77	1148											
	Firewood	221	4		164											
20-29	Tsim	1299	22	50	409											
	Firewood	433	7		128											
10-19	Poles, etc.	2405	41	65	201											
	Firewood	4209	72		319											
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	47.8	82%														
Felling																
Assessment carried out by			Kuenzang Norbu									Year:	2020			

Sub-Compartment Record																
Geog	Chang		Comp.	12			Sub-Comp.	Yusipang		No.	12g					
Areas in ha																
Non Forest Area	12.1		Protection	25.5			In-operable			Production	54.2					
Forest Composition and Description																
										Stand data						
										Bas. Area (m2/ha)	8.6					
										Volume (m3/ha)	53.8					
										Volume conifer %	63%					
										Forest Type	%	Stand Type	%	NWFP+firew.	A	S
										Hemlock		Plantation		Type	%	%
										Fir		Natural	100	Firewood		14
										Spruce		Coppice		Bamboo		
										Mixed Conifer		Canopy	%	Cane		
										Blue Pine	79	Dense		Daphne		
										Chir Pine		Closed	14			
										Hardwood	7	Open	86			
										Mixed H/C	14	Unstocked		Forest Use	I	E
										Age Class	%	Condition	%	Type	%	%
										Young	86	Good	86	Grazing		93
										Immature	14	Average	14	Shokshing		
										Mature		Poor		Lopping		
										Overmature		Site Characteristics				
										Slope	%	Erosiveness	%	Soil Cover	%	
										Gentle	64	Stable	71	High		57
										Moderate	21	Moderate	14	Moderate		36
										Steep	14	Unstable	14	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	%			
Chirpine																
Bluepine	2173	1011	113	38	4	2	1	0	0			159	57			
Hemlock																
Spruce		51	8									8	3			
Fir																
Other Conifers																
Oak	328	1061	32	20	1	3		0				57	20			
Acer																
Betula																
Rhododendron	581	808	8									8	3			
Other Broadleaves	152	354	49									49	17			
Total	3234	3284	210	58	6	4	1	1	0			281	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	106	2	100	314											
	Firewood	23	0		81											
30-49	Cham			23												
	Firewood	129	2		135											
20-29	Tsim	1578	29	70	498											
	Firewood	631	12		209											
10-19	Poles, etc.	2630	49	65	220											
	Firewood	4822	89		358											
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	42.6	79%														
Felling																
Assessment carried out by			Kuenzang Norbu										Year:	2020		

Sub-Compartment Record																
Geog	Chang		Comp.	12			Sub-Comp.	Yusipang		No.	12h					
Areas in ha																
Non Forest Area	12.3		Protection	7.4			In-operable	4.0		Production	71.6					
Forest Composition and Description																
										Stand data						
										Bas. Area (m2/ha)	18.1					
										Volume (m3/ha)	128.3					
										Volume conifer %	70%					
										Forest Type	%	Stand Type	%	NWFP+firew.	A	S
										Hemlock		Plantation		Type	%	%
										Fir		Natural	100	Firewood		17
										Spruce		Coppice		Bamboo		17
										Mixed Conifer	33	Canopy	%	Cane		
										Blue Pine	61	Dense		Daphne		28
										Chir Pine		Closed	61			
										Hardwood	6	Open	39			
										Mixed H/C		Unstocked		Forest Use	I	E
										Age Class	%	Condition	%	Type	%	%
										Young	56	Good	78	Grazing		100
										Immature	39	Average	22	Shokshing		
										Mature	6	Poor		Lopping		
										Overmature		Site Characteristics				
										Slope	%	Erosiveness	%	Soil Cover	%	
Gentle	56	Stable	78	High	72											
Moderate	22	Moderate	17	Moderate	28											
Steep	22	Unstable	6	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	%			
Chirpine																
Bluepine	2004	982	138	72	13	3	1	1	1			230	52			
Hemlock																
Spruce	236	236	31	20	10	1	1	1				66	15			
Fir																
Other Conifers																
Oak	806	727	69	25	9	3	1	1	0			109	25			
Acer																
Betula																
Rhododendron	275	845		5								5	1			
Other Broadleaves	59	196	19	11		1						31	7			
Total	3380	2987	258	134	32	9	3	3	2			440	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	292	4	81	1023											
	Firewood	151	2		516											
30-49	Cham	1523	21	87	1318											
	Firewood	1044	15		1016											
20-29	Tsim	2754	38	58	879											
	Firewood	2754	38		854											
10-19	Poles, etc.	5850	82	63	492											
	Firewood	5850	82		463											
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	67.6	94%														
Felling																
Assessment carried out by			Kuenzang Norbu									Year:	2020			

Sub-Compartment Record																
Geog	Chang		Comp.	12		Sub-Comp.	Yusipang		No.	12i						
Areas in ha																
Non Forest Area	12.9	Protection	21.8	In-operable	4.3	Production	55.8									
Forest Composition and Description																
								Stand data								
								Bas. Area (m2/ha)	13.7							
								Volume (m3/ha)	113.0							
								Volume conifer %	82%							
								Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
								Hemlock		Plantation		Type	%	%		
								Fir		Natural	100	Firewood		15		
								Spruce	8	Coppice		Bamboo		38		
								Mixed Conifer	23	Canopy	%	Cane				
								Blue Pine	38	Dense		Daphne		54		
								Chir Pine		Closed	38	Local Cheri		8		
								Hardwood		Open	62					
								Mixed H/C	31	Unstocked		Forest Use	I	E		
								Age Class	%	Condition	%	Type	%	%		
								Young	54	Good	100	Grazing		100		
								Immature	8	Average		Shokshing				
								Mature	38	Poor		Lopping				
								Overmature		Site Characteristics						
								Slope	%	Erosiveness	%	Soil Cover	%			
								Gentle	92	Stable	100	High	92			
								Moderate	8	Moderate		Moderate	8			
								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	%			
Chirpine																
Bluepine	1660	1115	70	25	6	2		0	0	0	104	38				
Hemlock	463	82	9	6				0	1	1	18	7				
Spruce	1197	1442	52	6	6	2	2	4	2	1	75	28				
Fir	54				2		1				2	1				
Other Conifers																
Oak		517	35	19	8	2	1				64	24				
Acer	82	109	9								9	3				
Betula																
Rhododendron	54	1034														
Other Broadleaves		326														
Total	3510	4625	174	56	22	6	5	5	3	2	272	100				
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	467	8	80	2072											
	Firewood	137	2		439											
30-49	Cham	787	14	80	730											
	Firewood	465	8		439											
20-29	Tsim	700	13	72	226											
	Firewood	1575	28		521											
10-19	Poles, etc.	3402	61	65	297											
	Firewood	2916	52		240											
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	55.8	100%														
Felling																
Assessment carried out by				Kuenzang Norbu									Year:	2020		

Sub-Compartment Record																
Geog	Chang		Comp.	12		Sub-Comp.	Yusipang		No.	12j						
Areas in ha																
Non Forest Area	8.9		Protection	10.8		In-operable	Production		52.1							
Forest Composition and Description																
								Stand data								
								Bas. Area (m2/ha)	19.1							
								Volume (m3/ha)	180.2							
								Volume conifer %	79%							
								Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
								Hemlock		Plantation		Type	%	%		
								Fir	7	Natural	100	Firewood		14		
								Spruce	14	Coppice		Bamboo		14		
								Mixed Conifer	43	Canopy	%	Cane				
								Blue Pine	14	Dense		Daphne		57		
								Chir Pine		Closed	14	Local Cheri				
								Hardwood		Open	86					
								Mixed H/C	21	Unstocked		Forest Use	I	E		
								Age Class	%	Condition	%	Type	%	%		
								Young	14	Good	71	Grazing		100		
								Immature	7	Average	29	Shokshing				
								Mature	79	Poor		Lopping				
								Overmature		Site Characteristics						
								Slope	%	Erosiveness	%	Soil Cover	%			
Gentle	43	Stable	79	High	79											
Moderate	36	Moderate	21	Moderate	21											
Steep	21	Unstable		Low												
Species	Height	N/ha per diameter class										Total (> 10cm)				
	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	%			
Chirpine																
Bluepine	733	707	16		3		1	1	1			22	11			
Hemlock	1389	51	8				1	2	1	1		12	6			
Spruce	379	1011		3	4	6	7	4	2	1		28	14			
Fir	3410	758				3	3	5	3	1		14	7			
Other Conifers																
Oak	76	328	24	29	7	3	4	1				68	34			
Acer	2147	202														
Betula																
Rhododendron	834	1541														
Other Broadleaves		25	57									57	28			
Total	8968	4623	105	32	15	12	15	13	7	2		201	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	1088	21	74	4018											
	Firewood	358	7		1144											
30-49	Cham	466	9	63	543											
	Firewood	403	8		381											
20-29	Tsim			64												
	Firewood	1061	20		351											
10-19	Poles, etc.	421	8	92	35											
	Firewood	4631	89		347											
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	52.1	100%														
Felling																
Assessment carried out by			Kuenzang Norbu								Year:	2020				

Sub-Compartment Record																
Geog	Chang	Comp.	12	Sub-Comp.	Yusipang	No.	12k									
Areas in ha																
Non Forest Area	5.7	Protection	12.3	In-operable	8.0	Production	67.6									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	22.9								
							Volume (m3/ha)	187.9								
							Volume conifer %	77%								
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir	35	Natural	100	Firewood		100			
							Spruce		Coppice		Bamboo		6			
							Mixed Conifer	12	Canopy	%	Cane					
							Blue Pine	18	Dense		Daphne					
							Chir Pine		Closed	18	Local Cheri					
							Hardwood	6	Open	82						
							Mixed H/C	29	Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	24	Good	76	Grazing		100			
							Immature	35	Average	24	Shokshing					
							Mature	41	Poor		Lopping					
							Overmature		Site Characteristics							
							Slope	%	Erosiveness	%	Soil Cover	%	%			
Gentle	53	Stable	71	High		88										
Moderate	18	Moderate	29	Moderate		12										
Steep	29	Unstable		Low												
Species	Height	N/ha per diameter class										Total (> 10cm)				
	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	%			
Chirpine																
Bluepine		707	73	7	5	1	1					88	22			
Hemlock	21	42						1				1	0			
Spruce	187	270	33	2	1		1	2	1	1		42	11			
Fir	811	146			6	10	11	8	3	0		38	10			
Other Conifers	62	83	20	12	4	2	0					38	10			
Oak	645	166	73	58	11	3	0	0				146	36			
Acer	83	42														
Betula																
Rhododendron	770	832	33									33	8			
Other Broadleaves		21	13									13	3			
Total	2580	2309	246	79	27	16	15	11	4	1		400	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	1140	17	66	3702											
	Firewood	239	4		638											
30-49	Cham	1211	18	53	1336											
	Firewood	348	5		344											
20-29	Tsim	486	7	82	141											
	Firewood	3888	58		1274											
10-19	Poles, etc.	4500	67	73	382											
	Firewood	7649	113		578											
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	67.6	100%														
Felling																
Assessment carried out by		Kuenzang Norbu										Year:	2020			

Sub-Compartment Record																
Geog	Chang	Comp.	12	Sub-Comp.	Yusipang	No.	121									
Areas in ha																
Non Forest Area	12.1	Protection	24.8	In-operable	8.4	Production	63.3									
Forest Composition and Description																
							Stand data									
							Bas. Area (m2/ha)	25.7								
							Volume (m3/ha)	178.5								
							Volume conifer %	77%								
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir	27	Natural	100	Firewood		20			
							Spruce		Coppice		Bamboo		7			
							Mixed Conifer	7	Canopy	%	Cane					
							Blue Pine	33	Dense		Daphne					
							Chir Pine		Closed	27	Local Cheri					
							Hardwood	13	Open	73						
							Mixed H/C	20	Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young	73	Good	60	Grazing		100			
							Immature	13	Average	40	Shokshing					
							Mature	13	Poor		Lopping					
							Overmature									
							Site Characteristics									
							Slope	%	Erosiveness	%	Soil Cover	%				
							Gentle	60	Stable	73	High		73			
							Moderate	20	Moderate	27	Moderate		27			
							Steep	20	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	%			
Chirpine																
Bluepine	165	1297	226	52	12	4	1	1	0			296	39			
Hemlock	189	24						1	0			2	0			
Spruce	165	707	83	33	7	1	1	0	1	1		126	16			
Fir	920	94		5	7	3	3	2	2	1		22	3			
Other Conifers	660	94	15		1	1						17	2			
Oak	401	1085	257	35	4	1	1		0			298	39			
Acer																
Betula																
Rhododendron	236	589														
Other Broadleaves	118	47	8									8	1			
Total	2853	3938	589	125	32	9	6	4	3	2		768	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities															
	Improvement	tic														
	Timber Use	tic														
	Firewood Use	tic														
	Silvopasture															
	Sokshing	tic														
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	466	7	64	1727											
	Firewood	85	1		354											
30-49	Cham	1230	19	54	1153											
	Firewood	175	3		138											
20-29	Tsim	3953	62	72	1316											
	Firewood	1719	27		568											
10-19	Poles, etc.	10982	174	62	934											
	Firewood	11937	189		964											
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	59.1	93%														
Felling																
Assessment carried out by			Kuenzang Norbu										Year:	2020		

Sub-Compartment Record																																																																																																																																					
Geog	Chang	Comp.	12	Sub-Comp.	Yusipang	No.	12m																																																																																																																														
Areas in ha																																																																																																																																					
Non Forest Area	1.5	Protection	28.4	In-operable		Production	43.0																																																																																																																														
Forest Composition and Description																																																																																																																																					
							Stand data																																																																																																																														
							Bas. Area (m2/ha)	24.0																																																																																																																													
							Volume (m3/ha)	210.4																																																																																																																													
							Volume conifer %	93%																																																																																																																													
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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	%																																																																																																																								
Chirpine																																																																																																																																					
Bluepine	88			3	2							5	2																																																																																																																								
Hemlock	206	29	9			1	1	3	2	1		18	6																																																																																																																								
Spruce				3			1	1	1	0		6	2																																																																																																																								
Fir	4627	59	38	7	16	6	8	13	5	2		94	30																																																																																																																								
Other Conifers	265	324	104	41	5	1	1		0			153	49																																																																																																																								
Oak		501				2	1	1	1			5	2																																																																																																																								
Acer																																																																																																																																					
Betula																																																																																																																																					
Rhododendron	472	354	28	3								32	10																																																																																																																								
Other Broadleaves	147	59																																																																																																																																			
Total	5806	1326	179	58	23	10	13	17	9	3		311	100																																																																																																																								
Future Management & Monitoring of Activities																																																																																																																																					
Manag. Option	No activities																																																																																																																																				
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	Silvopasture																																																																																																																																				
	Sokshing	tic																																																																																																																																			
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	682	16	70	2230																																																																																																																																
	Firewood	568	13		2097																																																																																																																																
30-49	Cham	404	9	40	463																																																																																																																																
	Firewood	165	4		183																																																																																																																																
20-29	Tsim	730	17	47	208																																																																																																																																
	Firewood	438	10		115																																																																																																																																
10-19	Poles, etc.	811	19	47	69																																																																																																																																
	Firewood	2840	66		220																																																																																																																																
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	43.0	100%																																																																																																																																			
Felling																																																																																																																																					
Assessment carried out by			Kuenzang Norbu										Year:	2020																																																																																																																							