

Forests and Watershed Profile of Local Level (744) Structure of Nepal

Volumes:

Volume I	: Forest & Watershed Profile of Province 1
Volume II	: Forest & Watershed Profile of Province 2
Volume III	: Forest & Watershed Profile of Province 3
Volume IV	: Forest & Watershed Profile of Province 4
Volume V	: Forest & Watershed Profile of Province 5
Volume VI	: Forest & Watershed Profile of Province 6
Volume VII	: Forest & Watershed Profile of Province 7

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Cover map:

Front cover: Map of Forest Cover of Nepal

FOREWORD

Forest of Nepal has been a long standing key natural resource supporting nation's economy in many ways. Forests resources have significant contribution to ecosystem balance and livelihood of large portion of population in Nepal. Sustainable management of forest resources is essential to support overall development goals. One key requirement to guide policy formulation, strategic planning, and sustainable forest management is availability of reliable and up-to-date information on forest resources.

Government of Nepal has formed new local level bodies to implement the federal structure of Nepal envisaged by new constitution of 2073 B.S. The 744 local levels comprise metropolitan cities, sub-metropolitan cities, municipalities and rural municipalities. The new constitution has also promulgated different roles of each category of local levels. Powers relevant to forests and natural resources are delegated to each of those local levels as well as concurrent powers to State and Federations. For any planning and policy formulation initiative to support forest management in each of the new local bodies, the information of existing extent of forest resources is very essential. With the realization of the significance of this information, Ministry of Forests and Soil Conservation formed this taskforce to prepare forest and watershed profile of the 744 local level bodies.

I am confident that the maps and reports prepared by the taskforce have been made available at a highly relevant time. The Department has published the maps online through its website and we are very encouraged by the appreciation, interests and large number of downloads of the maps and report. I would like to thank all the taskforce members for timely completion of the work. Also, I am very thankful to the Secretary of Ministry of Forests and Soil Conservation as well as senior officials at the ministry for providing feedback on the work of taskforce.

Dr. Deepak Kumar Kharal

Director General

TABLE OF CONTENTS

Foreword

1. Introduction	1
2. Material and Methods	2
3. Results	3
3.1 Forests by Local Level Structure and Provinces	4
3.2 Forest area distribution by sizes and proportion	5
3.3 Watershed Profiles	6
4. Forests Profile of Province-1	7
5. Forests Profile of Province-2	15
6. Forests Profile of Province – 3	21
7. Forests Profile of Province – 4	29
8. Forests Profile of Province - 5	37
9. Forests Profile of Province – 6	45
10. Forests Profile of Province – 7	51

1. Introduction

Forest resources in Nepal are significant for ecosystem balance and people's livelihood. Reliable and up-to-date information on forest resources is essential for supporting policy formulation, strategic planning, and sustainable forest management. Such information can ultimately guide wise decision-making, to have forests and forestry significantly contribute to livelihoods, sustainable development and poverty reduction. Further, several international reporting obligations and initiatives such as the Millennium Development Goals, United Nations Framework Convention on Climate Change (UNFCCC), United Nations Convention to Combat Desertification (UNCCD), Convention on Biological Diversity (CBD), United Nations Forum on Forests (UNFF).

The constituent assembly of Nepal adopted a federal structure of governance as envisaged in the new constitution of Nepal in 2072 B.S. The newly formulated federal structure is expected to form the key governance tiers. The earlier structure involving 3157 village development committees and 217 municipalities were dissolved and the new local structure includes the 744 local bodies across the country. The new units include 6 metropolitan cities, 11 sub-metropolitan cities, 246 municipal and 481 village councils. All the details of new 744 units and their boundaries have been published in Nepal Gazette. As per the new local level structure, government of Nepal is implementing local level election as well.

The implementation of the local tiers of the government is a significant step towards implementing the federal structure as envisaged in the new constitution of Nepal. One of the key requirements for functioning of those local level units would be sustainable management of forest and watershed resources. It is expected that the information on forest and watershed in both map and tabular format provided by this report would provide an important baseline data to proceed forward.

The new constitution envisages different roles of bodies under new federal structure. Federal power relevant to forest and natural resources includes national and international environment management, national parks, wildlife reserves and wetlands, national forest policies, carbon services. State power include use of forests and waters and management of environment within the State. Concurrent powers of Federation, State and Local levels also include several matters related to forests. Therefore, for the functioning of the forestry activities under the jurisdiction of any of those new levels would require information about the forest resources.

The effectiveness of the new structure is very important to ensure the success of the federal structure adopted under the new constitution. One key sector requiring proper management is the natural resources including forests. For any planning and policy formulation initiative to support forest management for each of the new local bodies, the information of existing extent of forest resources is very essential. With the realization of the significance of this information, Ministry of Forests and Soil Conservation assigned the Director General, Department of Forest Research and Survey as the coordinator of the taskforce to prepare forest and watershed profile of the 744 local level bodies.

2. Material and Methods

With the development of science and technology, newer methods are being developed and are improving the accuracy of forest parameters estimation. Department of Forest Research and Survey has a mandate to conduct national scale forest resource assessment and has been conducting national scale forest mapping and inventories. Since, the first national-level forest inventory carried out in the 1960s, several forms of forest resource assessment activities have been carried out in different periods, each different in terms of purpose, scale, scope, design and technology used. The latest one is the national scale forest resource assessment carried out over the period of 2010-2014. This is more comprehensive compared to earlier ones as it was a multi-source forest resource assessment which provided information several parameters (biodiversity, soil characteristics, soil carbon, litter and dead wood, stump and disturbance) in addition to tree resources.

The latest national scale forest resource assessment applied a set of materials and methods more advanced than the previous one. For forest cover mapping wall-to-wall coverage of Rapideye images was used. This data has 5 m spatial resolution and as the resolution determines the ability to map smaller patches, the smaller forest patches were accounted for in the forest cover map and area. The satellite image was analyzed using a hybrid approach which has been recommended as simple, robust and cost-effective. This approach involved image segmentation, classification using a classifier and extensive visual verification using high resolution datasets. Therefore, the assessment provided so far the best national scale forest cover data. This datasets has been approved by the Ministry of Forests and Soil Conservation and has been in use by different government agencies and stakeholders. Department has provided the data to several governmental agencies for example REDD+ reporting to UNFCCC (United Nations Framework Convention on Climate Change), transmission line projects, district forest offices and other relevant government agencies and development partners. The forest cover map used has overall accuracy of 85.16%. However, since the forest cover data was generated in the national scale, it is likely that while disaggregating to smaller unit areas, some local scale discrepancies can be expected. But importantly, it is expected that because of the

high quality base data and extensive visual interpretation using available very high resolution satellite imageries applied, the errors are likely to be of lower magnitude. It is important to note that because of the definition of forest used for mapping, many local levels with no or very low forest cover doesn't imply total absence of tree cover. Those units as well as all others may have sites with tree cover and other linear pattern plantations which did not come under the default forest definition used for mapping. The taskforce did topology correction and some visual checks on the available national scale forest cover data before using for this report. In the near future it will be essential to conduct newer forest cover mapping so as to address local level uncertainties as well as to quantify changes that happened over time.

Development activities in most cases are confined within political boundaries, with little regard for natural system boundaries. However, the forces of nature ignore political boundaries and ecosystem processes take place within watershed boundaries. Further, most upland activities in a watershed eventually have some impact downstream, often affecting different political units and different countries. Watersheds are important because 1) the surface water features and water runoff determines the landscape level water quality and quantity that is closely linked with the life system; 2) water budget (inflow and outflow ratio) determines the quality, quantity, diversity, of floral, faunal system including their life cycle 3) provides the foundation of basis to consider downstream impacts 4) provides the basis to understand the overall situation and overseeing actions while balancing any ecosystem. With the recognition of this fact, the mapping includes information on watershed for the new local level structure profile. However, there was not watershed information on required format. Therefore, the watershed boundary was generated using 20m resolution elevation data generated from topographical survey datasets. The junctions of major rivers were used together with the DEM to produce watershed boundary using the ArcHydro tool. After processing and finalizing the required forest and watershed and local level boundary layers, different map templates were prepared. The sample templates were reviewed by taskforce members as well as other relevant experts and based on the feedback revised over time to come up with final map template.

3. Results

The outputs produced by this study include hard copy reports as well as digital format maps and tabular results including a) Political unit based Forest cover, b) Political unit based watershed analysis (drainage lines and political units) and c) Statistics (tabulated form). The reports are in eight volumes including seven individual map books for each provinces and one volume providing summary of the forest and watershed information by province and local level bodies. Department of Forest Research and Survey is hosting all the digital maps of local levels in its official website. It is expected that adopting this user friendly technology for dissemination will be very helpful for all the users to have easy access to all maps and data.

The result excludes the area statistics of forests lying inside the core part of the National Parks and Wildlife reserves. Therefore, there may be some discrepancies in the area statistics of forests at district and national level of this report with the statistics as revealed in the DFRS report on State of Nepal's Forests.

In the reports, both Forest/watershed mapping is completed to address the situation of composite resource information. Water and soil are very fundamental natural resources that are closely linked with the life and properties of any living beings. The immediate concern arises what is the situation and inter-dependencies of resources like water, forest, agriculture, human being or any ecosystem services and how they are in balance condition with the socio-political system. So as to address such concerns, understanding of fundamental principles of integrated watershed management is essential. The Integrated watershed management defines on process which promotes the coordinated development and management of water, land and related resources. In the context of watershed, basically two information can be acquired 1) drainage distribution with major river network 2) drainage concentration in each political units that can determine the landscape water concentration and its consequences. The information can be utilized to prevent and control sedimentation processes, landslide susceptibility, water/water bodies management, including environmental safeguard against any hazards.

3.1 Forests by Local Level Structure and Provinces

There are four categories of local level structure in the country out of which Rural Municipality is the richest one to have more than two third of its land with forest cover followed by Municipality, Sub-metropolitan and Metropolitan respectively. Only the four provinces, out of seven, have six Metropolitans but only two of them have significant amount of forests on their land. Another two Metropolitans have less than 2% of the forests while rest of the Metropolitans have either none or insignificant level of forest area. Table 1 and Table 2 show the proportional distribution of forests by local level structure and provinces of the country.

Table 1: Forest area distribution in local level structures by provinces

Structure	Forest area by province in sq.km							G. Average
	1	2	3	4	5	6	7	
Metropolitan	0.0%	0.0%	1.6%	2.4%				0.6%
Sub-Metropolitan	1.3%	8.8%	1.3%	0.0%	5.2%	0.0%	0.8%	1.6%
Municipality	31.1%	73.8%	23.7%	21.3%	31.0%	25.9%	34.4%	29.6%
Rural Municipality	67.6%	17.4%	73.5%	76.3%	63.8%	74.1%	64.8%	68.2%
Grand Average	100%	100%	100%	100%	100%	100%	100%	100.0%

The proportion of forests in Rural Municipality ranges from 17.4% in Province 2 to 76.3% in Province 4. Similarly, the proportion of forests in Municipality varies from 21.3% in Province 4 to 73.8% in Province

2. The forest distribution pattern indicates that the forests are going to be a one of the major natural resources and natural capital of Municipality and Rural Municipality.

Table 2: Forest area distribution in provinces by local level structure

Structure	Forest area by province in sq.km							G. Total
	1	2	3	4	5	6	7	
Metropolitan	0.0%	0.1%	45.1%	54.9%				100%
Sub-Metropolitan	14.6%	17.9%	12.7%	0.0%	46.0%	0.0%	8.8%	100%
Municipality	18.8%	8.0%	12.6%	9.3%	14.7%	16.4%	20.2%	100%
Rural Municipality	17.8%	0.8%	17.0%	14.4%	13.1%	20.4%	16.5%	100%
Grand Average	18.0%	3.2%	15.8%	12.9%	14.0%	18.7%	17.4%	100%

The statistics reveals that the Province 2 is poorly situated in terms of the area of the forests as well as the number of local levels with forest coverage. The Province 2 has only about 3% of the total forest of the country.

3.2 Forest area distribution by sizes and proportion

There are 96 numbers of local levels with absolute zero forest area out of which 75 are located only in the Province 2. Table 3 gives the information on number of local levels with different sizes of forest area by Provinces. The sizes of forests matters in forest resource management. Because It helps in estimating the number of professionals required for the better management of the forests resources either by the Local Levels or by the Provincial Government or by the Federal Government.

Table 3: Number of local levels with different sizes of forest area by Provinces

Provinces	Forest area categories (unit in sq.km)							G. Total
	Zero	0-1	1-50	50-100	100-200	200-400	>400	
Province-1	13	9	31	49	24	8	3	137
Province-2	75	17	23	5	6	1		127
Province-3		3	48	29	30	9		119
Province-4			32	26	18	9		85
Province-5	8	10	37	23	23	5	3	109
Province-6			10	21	24	23	1	79
Province-7		1	13	36	24	11	3	88
G. Total	96	40	194	189	149	66	10	744

Altogether, there are only 10 numbers of local levels with greater than 40,000 ha of forest area in their land distributed only in the Province 1, 5, 6 and 7. The local levels having forest area between 100-5000 ha are found in large numbers. Table 4 gives the information on number of local levels having different proportion of forest areas by provinces. Only 33 numbers of local levels have forests cover higher than 75% of their land. The large numbers of local levels have more than 50% of the forest cover in their land.

Table 4: Number of local levels with different proportion of forests by Provinces

Provinces	Categories of forest proportion (in percent)							G. Total
	Zero	0-1%	1-10%	10-25%	25-50%	50-75%	>75%	
Province-1	21	1	6	10	44	54	1	137
Province-2	92		2	8	18	7		127
Province-3	1		4	7	51	50	6	119
Province-4			5	3	40	36	1	85
Province-5	17	2	9	4	39	33	5	109
Province-6		1	2	7	13	47	9	79
Province-7	1		2	6	12	56	11	88
G. Total	132	4	30	45	217	283	33	744

The Province, district and local level wise forestry statistics are presented hereafter.

3.3 Watershed Profiles

A total of 690 watershed polygons were generated over Nepal. The watershed boundary is not expected to follow the administrative boundaries like the new local levels. Often the watershed areas are shared between as well as among many local levels. There is an issue of multiple counting while associating watershed to an administrative boundaries. Therefore, one way to present this information would be to identify the watersheds with major proportion of area under certain local level. Centroid (weighted mean center) of each watershed was generated and based on the spatial location of the point each watershed was associated to their respective local levels (Table 5).

Table 5: Total number of watersheds and their area by provinces

Province	Total watersheds	Sum of area (Sqkm)
Province-1	127	26417
Province-2	50	9381
Province-3	91	20476
Province-4	88	22292
Province-5	93	18616
Province-6	144	30503
Province-7	97	19497
G. Total	690	147181

The total watersheds in each of provinces vary and they range from 50 in Province-2 to highest 144 in Province-6. In general the total numbers of watersheds in provinces are related to their respective total area. The maps included in reports for each province (Volume I to VII) show the watersheds, their total area for each local level within provinces. This provides information on number and size of watersheds that are within each of the local level which can an important input for watershed management planning.

4. Forests Profile of Province-1

1. Bhojpur district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bhojpur	73.2	160.5	46%	10%
	Shadanand	118.8	242.6	49%	16%
Rural Municipality	Aamchok	88.1	185.8	47%	12%
	Arun	53.9	155.7	35%	7%
	Hatuwagadhi	58.4	143.5	41%	8%
	Pauwadungma	46.4	119.6	39%	6%
	Ramprasadrai	80.4	159.4	50%	11%
	Salpasilichho	131.2	194.5	67%	18%
	Tyamkemaikum	86.5	174.4	50%	12%
Bhojpur Total		737.0	1536.0	48%	100%

2. Dhankuta district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Dhankutta	38.8	111.6	35%	10%
	Mahalaxmi	53.4	130.2	41%	14%
	Pakhribas	58.7	145.2	40%	16%
Rural Municipality	Chaubise	72.4	148.6	49%	20%
	Chhathar Jorpati	41.2	103.5	40%	11%
	Khalsa Chhintang Sahidbhumi	30.1	100.2	30%	8%
	Sangurigadhi	75.7	167.5	45%	20%
Dhankuta Total		370.3	906.8	41%	100%

3. Ilam district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Deumai	86.6	193.2	45%	9%
	Ilam	83.2	174.6	48%	9%
	Mai	162.2	266.0	61%	17%
	Suryodaya	120.8	227.2	53%	13%
Rural Municipality	Chulachuli	57.8	109.2	53%	6%
	Mai Jogmai	81.3	136.8	59%	9%
	Mangsebung	104.4	173.6	60%	11%
	Phakphokthum	49.0	109.6	45%	5%
	Rong	90.9	156.2	58%	10%
	Sandakpur	109.2	157.2	69%	12%
Ilam total		945.3	1703.6	55%	100%

4. Jhapa district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Arjundhara	21.0	110.7	19%	12%
	Bhadrapur	3.5	97.1	4%	2%
	Birtamod	0.0	78.8	0%	0%
	Damak	4.9	71.4	7%	3%
	Gauradaha	0.4	151.0	0%	0%
	Kankai	17.9	79.7	22%	10%
	Mechinagar	22.0	194.1	11%	12%
	Shivasataxi	23.3	146.5	16%	13%
Rural Municipality	Barhadashi	0.2	80.9	0%	0%
	Buddhashanti	21.3	80.4	26%	12%
	Gaurigunj	0.0	102.1	0%	0%
	Haldibari	47.7	118.2	40%	27%
	Jhapa	0.2	94.8	0%	0%
	Kachankabal	4.9	110.5	4%	3%
	Kamal	10.0	105.3	9%	6%
Jhapa total		177.1	1621.5	11%	100%

5. Khotang district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Halesituwachung	148.2	281.7	53%	20%
	Rupakot Majhuwa	110.6	247.9	45%	15%
Rural Municipality	Ainselukharka	49.1	126.1	39%	7%
	Barahpokhari	78.6	142.4	55%	10%
	Diprung	54.1	137.3	39%	7%
	Jantedhunga	54.3	129.4	42%	7%
	Kepilasgadhi	112.0	192.7	58%	15%
	Khotehang	70.8	165.0	43%	9%
	Lamidanda	35.1	98.0	36%	5%
	Sakela	36.1	80.5	45%	5%
Khotang total		749.1	1601.0	47%	100%

6. Morang district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Belbari	34.3	133.7	26%	8%
	Letang	140.4	220.7	64%	32%
	Pathari Sanischare	5.2	80.2	7%	1%
	Rangeli	0.0	112.5	0%	0%
	Ratuwamai	0.1	143.1	0%	0%
	Sunbarsi	0.0	107.1	0%	0%
	Sundar Haraicha	19.3	110.9	17%	4%
	Urlabari	1.7	75.1	2%	0%
Rural Municipality	Budhiganga	0.0	56.8	0%	0%
	Dhanpalthan	0.1	70.7	0%	0%
	Gramthan	0.0	72.3	0%	0%
	Jahada	0.0	62.8	0%	0%
	Kanepokhari	15.5	82.9	19%	3%
	Katahari	0.0	51.9	0%	0%
	Kerabarii	143.9	221.3	65%	32%
	Miklajung	84.9	160.1	53%	19%
Metropolitan	Biratnagar	0.0	77.5	0%	0%
Morang total		445.5	1839.6	24%	100%

7. Okhaldhunga district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Siddhicharan	75.2	168.8	45%	14%
Rural Municipality	Champadevi	70.3	127.5	55%	13%
	Chishankhugadhi	28.3	112.5	25%	5%
	Khijidemba	106.7	180.7	59%	20%
	Likhu	45.3	88.5	51%	9%
	Manebhanjhyang	59.7	147.4	41%	11%
	Molung	62.7	113.1	55%	12%
	Sunkoshi	79.0	144.5	55%	15%
Okhaldhunga total		527.1	1083.0	49%	100%

8. Panchthar district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Phidim	110.7	193.9	57%	15%
Rural Municipality	Hilihang	53.1	123.9	43%	7%
	Kummayak	56.3	130.2	43%	8%
	Miklajung	92.3	167.8	55%	13%
	Phalelung	148.0	208.7	71%	20%
	Phalgunand	51.4	108.3	48%	7%
	Tumbeba	51.7	118.2	44%	7%
	Yangbarak	163.3	209.9	78%	22%
Panchthar total		726.9	1260.9	58%	100%

9. Sankhuwasabha district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Chainpur	120.3	225.1	53%	6%
	Dharmadevi	77.1	133.7	58%	4%
	Khandbari	49.6	123.5	40%	3%
	Madi	64.0	110.8	58%	3%
	Panchakhapan	87.6	149.0	59%	5%
Rural Municipality	Bhotkhola	390.3	738.3	53%	20%
	Chichila	63.7	89.1	71%	3%
	Makalu	567.7	1201.9	47%	30%
	Sabhapokhari	158.5	223.5	71%	8%
	Silichong	341.7	504.9	68%	18%
Sankhuwasabha total		1920.4	3499.8	55%	100%

10. Solukhumbu district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Solududhakunda	308.0	540.9	57%	28%
Rural Municipality	Dudhkaushika	59.6	145.4	41%	5%
	Dudhkoshi	96.0	168.6	57%	9%
	Khumbu Pasanglhamu	205.3	1547.6	13%	19%
	Likhu Pike	87.7	125.0	70%	8%
	Mahakulung	249.9	651.8	38%	23%
	Nechhasalyan	37.2	95.0	39%	3%
	Sotang	65.9	103.6	64%	6%
Solukhumbu total		1109.6	3377.9	33%	100%

11. Sunsari district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Baraha	61.5	223.5	28%	28%
	Duhabi	0.0	68.2	0%	0%
	Inaruwa	0.0	78.4	0%	0%
	Ramdhuni	10.3	92.3	11%	5%
Rural Municipality	Barju	0.0	69.9	0%	0%
	Bhokraha	0.5	63.8	1%	0%
	Dewanganj	0.0	53.9	0%	0%
	Gadhi	0.0	67.5	0%	0%
	Harinagara	0.0	52.6	0%	0%
	Koshi	0.1	76.4	0%	0%
Sub-Metropolitan	Dharan	134.2	193.8	69%	61%
	Itahari	12.2	94.4	13%	6%
Sunsari total		218.8	1134.7	19%	100%

12. Taplejung district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Phungling	78.9	126.4	62%	5%
Rural Municipality	Atharai Tribeni	51.5	89.4	58%	3%
	Maiwakhola	98.5	138.7	71%	6%
	Meringden	153.3	211.7	72%	10%
	Mikwakhola	241.6	446.0	54%	15%
	Phaktanglung	481.1	1871.9	26%	31%
	Sidingwa	156.2	207.5	75%	10%
	Sirijunga	263.1	484.6	54%	17%
	Yanbarak	52.5	93.4	56%	3%
Taplejung total		1576.6	3669.6	43%	100%

13. Terhathum district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Laligurans	48.4	90.9	53%	15%
	Myanglung	55.8	100.9	55%	17%
Rural Municipality	Atharai	75.7	168.2	45%	23%
	Chhathar	57.2	134.8	42%	17%
	Menchhayayem	41.5	70.6	59%	13%
	Phedap	52.7	111.6	47%	16%
Terhathum total		331.4	677.0	49%	100%

14. Udaypur district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Belaka	181.2	341.4	53%	12%
	Chaudandigadhi	165.8	285.4	58%	11%
	Katari	278.6	427.1	65%	19%
	Triyuga	402.2	550.5	73%	27%
Rural Municipality	Rautamai	133.7	205.2	65%	9%
	Sunkoshi	66.4	107.4	62%	4%
	Tapli	78.8	119.7	66%	5%
	Udayapurgadhi	194.6	270.9	72%	13%
Udaypur total		1501.2	2307.6	65%	100%

5. Forests Profile of Province-2

1. Bara district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Kolhabi	74.6	157.9	47%	16%
	Mahagadhimai	0.0	55.5	0%	0%
	Nijgadh	212.2	290.4	73%	46%
	Simraungadh	0.0	41.6	0%	0%
Rural Municipality	Baragadhi	0.0	39.4	0%	0%
	Devtal	0.0	23.4	0%	0%
	Karaiyamai	0.0	47.8	0%	0%
	Kotwal	0.0	36.4	0%	0%
	Pachrauta	0.0	44.2	0%	0%
	Parwanipur	0.0	33.6	0%	0%
	Pheta	0.0	26.2	0%	0%
	Prasauni	0.0	26.4	0%	0%
	Subarna	0.0	37.0	0%	0%
Sub-Metropolitan	Jitpursimara	178.6	308.1	58%	38%
	Kalaiya	0.0	107.4	0%	0%
Bara total		465.4	1275.3	36%	100%

2. Dhanusha district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bideha	0.0	52.9	0%	0%
	Chhreshwornath	0.0	60.7	0%	0%
	Dhanushadham	15.0	92.1	16%	6%
	Ganeshman Charnath	154.0	245.5	63%	57%
	Mithila	101.7	182.7	56%	38%
	Nagaraeen	0.0	49.4	0%	0%
	Sabaila	0.0	64.8	0%	0%
	Shahid Nagar	0.0	57.6	0%	0%
Rural Municipality	Aurahi	0.0	36.5	0%	0%
	Bateshwor	0.0	28.3	0%	0%
	Hansapur	0.0	48.9	0%	0%
	Janaknandini	0.0	27.7	0%	0%
	Kamala Siddhidatri	0.2	66.2	0%	0%
	Laxminiya	0.0	30.8	0%	0%
	Mithila Bihari	0.0	37.8	0%	0%
	Mukhiyapatti Musaharniya	0.0	27.0	0%	0%
Sub-Metropolitan	Janakpur	0.0	86.4	0%	0%
Dhanusha total		270.9	1195.3	23%	100%

3. Mahottari district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bardibas	184.5	316.9	58%	83%
	Gaushala	37.8	145.3	26%	17%
	Jaleswor	0.0	44.4	0%	0%
Rural Municipality	Aurahi	0.0	35.9	0%	0%
	Balawa	0.0	44.3	0%	0%
	Bhangaha	0.0	77.6	0%	0%
	Ekdara	0.0	31.1	0%	0%
	Loharpatti	0.0	50.3	0%	0%
	Mahottari	0.0	28.2	0%	0%
	Manara	0.0	42.9	0%	0%
	Matihani	0.0	29.1	0%	0%
	Pipara	0.0	40.2	0%	0%
	Ramgopalpur	0.0	39.7	0%	0%
	Samshi	0.0	21.7	0%	0%
	Sonama	0.0	58.0	0%	0%
Mahottari total		222.3	1005.6	22%	100%

4. Parsa district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Pokhariya	0.0	57.0	0%	0%
Rural Municipality	Bahudarmai	0.1	31.6	0%	0%
	Belwa	15.0	57.0	26%	9%
	Bindabasini	0.0	26.1	0%	0%
	Chhiparmai	0.0	25.0	0%	0%
	Dhobini	0.0	24.5	0%	0%
	Jagarnathpur	0.0	45.4	0%	0%
	Pakaha Mainpur	0.0	21.3	0%	0%
	Parsagadhi	39.8	100.0	40%	23%
	Paterwa Sugauli	34.6	103.4	33%	20%
	Sakhuwa Prasauni	16.1	74.5	22%	9%
	Subarna	67.2	145.6	46%	39%
Metropolitan	Birgunj	0.2	75.5	0%	0%
Parsa Total		173.0	786.9	22%	100%

5. Rautahat district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Chandrapur	149.4	250.9	60%	57%
	Garuda	0.0	44.6	0%	0%
	Gaur	0.0	51.5	0%	0%
Rural Municipality	Baudhimai	0.0	35.5	0%	0%
	Brindaban	32.8	95.7	34%	12%
	Dewahi Gonahi	0.0	34.1	0%	0%
	Durga Bhagwati	0.0	30.5	0%	0%
	Gadhimai	0.0	49.6	0%	0%
	Gujara	76.0	150.9	50%	29%
	Ishanath	0.0	35.3	0%	0%
	Katahariya	0.0	40.8	0%	0%
	Madhav Narayan	0.0	53.3	0%	0%
	Maulapur	0.0	44.3	0%	0%
	Paroha	0.0	37.6	0%	0%
	Phatuwa Bijaypur	4.5	56.0	8%	2%
Rajpur	0.0	31.5	0%	0%	
Rautahat total		262.6	1042.1	25%	100%

6. Saptari district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bodebarsain	0.0	92.5	0%	0%
	Dakneshwari	0.0	78.3	0%	0%
	Hanumannagar Kankalini	0.0	118.9	0%	0%
	Kanchanrup	49.0	144.2	34%	24%
	Khadak	25.1	97.3	26%	12%
	Rajbiraj	0.0	51.9	0%	0%
	Saptakoshi	28.8	60.6	48%	14%
	Shambhunath	43.3	99.6	43%	21%
	Surunga	12.9	107.6	12%	6%
Rural Municipality	Belhi Chapena	0.0	38.9	0%	0%
	Bishnupur	0.0	40.5	0%	0%
	Chhinnamasta	0.0	48.2	0%	0%
	Krishnasawaran	32.5	77.5	42%	16%
	Mahadewa	0.0	35.2	0%	0%
	Rupani	11.1	56.4	20%	5%
	Tilathi Koiladi	0.0	33.1	0%	0%
	Tirhut	1.1	38.0	3%	1%
Saptari total		203.8	1218.7	17%	100%

7. Sarlahi district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bagmati	12.6	101.6	12%	5%
	Balara	0.1	52.3	0%	0%
	Barahathawa	0.1	107.4	0%	0%
	Godaita	0.0	45.2	0%	0%
	Haripur	17.6	73.7	24%	7%
	Haripurwa	0.0	47.1	0%	0%
	Hariyoun	24.5	95.8	26%	10%
	Ishwarpur	75.7	164.5	46%	29%
	Lalbandi	126.8	239.5	53%	49%
	Malangawa	0.0	30.6	0%	0%
Rural Municipality	Bishnu	0.0	40.0	0%	0%
	Brahmapuri	0.0	40.7	0%	0%
	Chakraghatta	0.0	43.5	0%	0%
	Chandranagar	0.0	47.7	0%	0%
	Dhankaul	0.0	46.2	0%	0%
	Kabilasi	0.0	41.2	0%	0%
	Ramnagar	0.0	51.8	0%	0%
Sarlahi total		257.4	1268.8	20%	100%

8. Siraha district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Dhangadimai	64.0	160.3	40%	35%
	Golbazar	26.8	112.5	24%	15%
	Kalyanpur	0.3	77.2	0%	0%
	Lahan	42.7	168.1	25%	24%
	Mirchaiya	24.6	92.4	27%	14%
	Siraha	0.1	94.7	0%	0%
	Sukhipur	0.1	55.1	0%	0%
Rural Municipality	Arnama	0.0	37.9	0%	0%
	Aurahi	0.0	36.0	0%	0%
	Bariyarpatti	0.0	37.9	0%	0%
	Bhagawanpur	0.0	34.4	0%	0%
	Bishnupur	0.0	26.5	0%	0%
	Karjanha	22.8	77.2	30%	13%
	Laxmipur Patari	0.0	42.5	0%	0%
	Narha	0.0	29.4	0%	0%
	Nawarajpur	0.0	32.3	0%	0%
Sakhuwa Nankarkatti	0.0	30.2	0%	0%	
Siraha total		181.4	1144.6	16%	100%

6. Forests Profile of Province – 3

1. Bhaktapur district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bhaktapur	0.0	6.6	0%	0%
	Changu Narayan	12.0	63.2	19%	48%
	Madhyapur Thimi	0.2	11.2	2%	1%
	Suryabinayak	12.6	42.6	30%	51%
Bhaktapur total		24.8	123.6	20%	100%

2. Chitwan district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Metropolitan	Bharatpur	158.6	433.9	37%	24%
Municipality	Kalika	100.1	149.4	67%	15%
	Khairhani	19.8	85.8	23%	3%
	Madi	129.0	218.7	59%	19%
	Rapti	137.1	212.9	64%	20%
	Ratnanagar	6.9	68.8	10%	1%
Rural Municipality	Ichhyakamana	122.2	167.1	73%	18%
Chitwan total		673.7	1336.6	50%	100%

3. Dhading district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Dhunibeshi	48.3	99.0	49%	5%
	Nilkantha	79.6	200.5	40%	9%
Rural Municipality	Benighat Rorang	146.5	207.1	71%	16%
	Gajuri	78.4	139.7	56%	8%
	Galchhi	55.0	119.2	46%	6%
	Gangajamuna	61.4	144.1	43%	7%
	Jwalamukhi	37.0	113.2	33%	4%
	Khaniyabas	59.9	105.5	57%	6%
	Netrawati	33.1	70.7	47%	4%
	Rubi Bhyali	229.8	425.8	54%	25%
	Siddhalek	27.4	106.7	26%	3%
	Thakre	40.7	96.3	42%	4%
Tripurasundari	30.8	84.6	36%	3%	
Dhading total		928.0	1912.4	49%	100%

4. Dolakha district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bhimeshwor	77.8	133.1	58%	7%
	Jiri	122.3	212.3	58%	11%
Rural Municipality	Baiteshwor	39.2	80.9	48%	4%
	Bigu	303.4	616.1	49%	28%
	Gaurishankar	303.9	684.8	44%	28%
	Kalinchowk	81.0	133.1	61%	8%
	Melung	40.8	86.9	47%	4%
	Sailung	70.3	129.2	54%	7%
Tamakoshi	39.7	82.5	48%	4%	
Dolakha total		1078.5	2158.9	50%	100%

5. Kavrepalanchowk district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Banepa	22.4	54.8	41%	3%
	Dhulikhel	16.7	54.8	31%	2%
	Mandan Deupur	24.6	89.0	28%	3%
	Namo Budhhal	38.9	102.8	38%	5%
	Panauti	73.0	118.6	62%	10%
	Panchkhal	40.4	103.3	39%	5%
Rural Municipality	Bethanchowkl	80.1	101.4	79%	11%
	Bhumlu	41.6	91.9	45%	6%
	Chauri Deurali	30.1	98.3	31%	4%
	Khanikhola	104.1	132.1	79%	14%
	Mahabharat	140.3	186.7	75%	19%
	Roshi	114.9	177.0	65%	15%
	Timal	25.7	89.2	29%	3%
Kabhre total		752.9	1399.9	54%	100%

6. Kathmandu district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Metropolitan	Kathmandu	1.1	49.6	2%	1%
Municipality	Budhanilkantha	14.2	35.1	41%	9%
	Chandragiri	19.3	44.1	44%	13%
	Daxinkali	22.6	42.8	53%	15%
	Gokarneshwor	38.0	58.7	65%	25%
	Kageshwori Manahara	4.5	27.5	16%	3%
	Kirtipur	1.6	14.8	11%	1%
	Nagarjun	13.0	29.9	43%	8%
	Shankharapur	25.2	60.4	42%	17%
	Tarkeshwor	9.4	35.1	27%	6%
	Tokha	3.5	17.0	21%	2%
Kathmandu total		152.4	415.0	37%	100%

7. Lalitpur district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Metropolitan	Lalitpur	0.7	36.2	2%	0%
Municipality	Godawari	53.6	96.5	56%	22%
	Mahalaxmi	7.9	26.6	30%	3%
Rural Municipality	Bagmati	82.1	111.9	73%	34%
	Konjyosom	30.7	44.3	69%	13%
	Mahankal	69.6	82.7	84%	28%
lalitpur total		244.6	398.2	61%	100%

8. Makawanpur district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Thaha	123.7	191.7	65%	8%
Rural Municipality	Bagmati	200.0	312.9	64%	13%
	Bakaiya	285.9	395.1	72%	19%
	Bhimphedi	194.7	246.1	79%	13%
	Indrasarobar	64.4	97.7	66%	4%
	Kailash	155.4	205.1	76%	10%
	Makwanpurgadhi	80.2	149.2	54%	5%
	Manhari	145.6	200.1	73%	10%
	Raksirang	150.7	227.3	66%	10%
Sub-Metropolitan	Hetauda	126.7	262.4	48%	8%
Makawanpur total		1527.2	2287.6	67%	100%

9. Nuwakot district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Belkotgadhi	39.5	156.1	25%	8%
	Bidur	51.1	130.4	39%	10%
Rural Municipality	Dupcheshwar	116.9	221.0	53%	22%
	Kakani	35.0	91.7	38%	7%
	Kispang	45.0	82.8	54%	9%
	Likhu	16.9	48.0	35%	3%
	Meghang	62.2	98.1	63%	12%
	Panchkanya	16.3	53.7	30%	3%
	Shivapuri	68.9	123.2	56%	13%
	Suryagadhi	14.2	49.3	29%	3%
	Tadi	25.5	70.0	36%	5%
Tarkeshwar	29.0	72.8	40%	6%	
Nuwakot total		520.5	1197.1	43%	100%

10. Ramechhap district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Manthali	77.1	212.7	36%	11%
	Ramechhap	103.0	203.4	51%	15%
Rural Municipality	Doramba	77.8	141.5	55%	11%
	Gokulganga	122.8	199.4	62%	18%
	Khandadevi	43.7	151.1	29%	6%
	Likhu	52.4	125.1	42%	8%
	Sunpati	24.5	85.5	29%	4%
	Umakunda	192.2	454.3	42%	28%
Ramechhap total		693.5	1573.0	44%	100%

11. Rasuwa district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Rural Municipality	Gosaikunda	248.6	980.9	25%	45%
	Kalika	20.3	42.6	48%	4%
	Naukunda	64.0	116.8	55%	12%
	Parbatikunda	125.7	247.5	51%	23%
	Uttargaya	88.8	118.8	75%	16%
Rasuwa total		547.3	1506.6	36%	100%

12. Sindhuli district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Dudhauri	232.2	392.3	59%	14%
	Kamalamai	346.5	484.7	71%	21%
Rural Municipality	Ghyanlekh	129.5	167.5	77%	8%
	Golanjor	134.6	185.0	73%	8%
	Mahendrajhyadi	241.0	345.2	70%	14%
	Marin	198.9	298.5	67%	12%
	Phikkal	124.9	187.0	67%	7%
	Sunkoshi	91.1	155.3	59%	5%
	Tinapatan	169.3	281.6	60%	10%
Sindhuli total		1667.9	2497.1	67%	100%

13. Sindhupalchowk district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Barhabise	69.6	135.4	51%	6%
	Chautara Sangachokgadhi	82.1	165.9	49%	7%
	Melamchi	60.2	161.2	37%	5%
Rural Municipality	Balephi	26.6	61.9	43%	2%
	Bhotekoshi	172.5	279.5	62%	15%
	Helambu	132.2	288.7	46%	11%
	Indrawati	45.4	105.5	43%	4%
	Jugal	197.8	599.0	33%	17%
	Lisankhu	60.3	99.0	61%	5%
	Panchpokhari Thangpal	212.3	438.2	48%	18%
	Sunkoshi	39.4	73.2	54%	3%
	Tripurasundari	60.8	94.7	64%	5%
Sindhupalchok total		1159.2	2502.2	46%	100%

7. Forests Profile of Province - 4

1. Baglung district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Baglung	32.7	99.4	33%	4%
	Dhorpatan	195.8	472.6	41%	21%
	Galkot	130.1	194.5	67%	14%
	Jaimini	33.4	118.8	28%	4%
	Woreng	35.9	75.3	48%	4%
Rural Municipality	Badigadh	101.0	178.8	56%	11%
	Kathekhola	30.1	82.1	37%	3%
	Nisikhola	149.0	306.9	49%	16%
	Tamankhola	117.4	178.1	66%	13%
	Tarakhola	101.6	129.6	78%	11%
Baglung total		926.9	1836.1	50%	100%

2. Gorkha district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Gorkha	43.6	132.2	33%	3%
	Palungtar	43.2	159.0	27%	3%
Rural Municipality	Ajirkot	97.8	198.6	49%	7%
	Arughat	89.9	161.2	56%	7%
	Bhimsen	39.6	101.5	39%	3%
	Chunchumbri	385.0	1653.1	23%	29%
	Dharche	350.8	653.4	54%	27%
	Gandaki	51.1	124.2	41%	4%
	Shahid Lakhan	54.9	149.3	37%	4%
	Siranchowk	46.1	122.0	38%	3%
	Sulikot	119.0	201.2	59%	9%
Gorkha total		1321.2	3655.7	36%	100%

3. Kaski district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Metropolitan	Pokhara Lekhnath	195.4	464.3	42%	21%
Rural Municipality	Annapurna	169.6	418.9	40%	18%
	Machhapuchhre	227.9	545.4	42%	24%
	Madi	304.0	564.0	54%	32%
	Rupa	55.2	95.0	58%	6%
Kaski total		952.0	2087.6	46%	100%

4. Lamjung district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Beshisahar	67.0	127.9	52%	7%
	Madhya Nepal	56.7	114.1	50%	6%
	Rainas	26.6	72.1	37%	3%
	Sundarbazar	26.1	72.2	36%	3%
Rural Municipality	Dordi	168.4	351.7	48%	18%
	Dudhpokhari	91.6	153.7	60%	10%
	Kohlasothar	129.6	175.7	74%	14%
	Marsyangdi	354.4	598.5	59%	39%
Lamjung total		920.5	1665.9	55%	100%

5. Manang district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Rural Municipality	Chame	21.6	79.0	27%	8%
	Narphu	29.9	839.1	4%	11%
	Nasongh	176.5	711.1	25%	63%
	Nesyang	53.3	695.7	8%	19%
Manang total		281.3	2324.9	12%	100%

6. Mustang district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Rural Municipality	Barhagaun Muktichhetra	29.6	886.8	3%	10%
	Dalome	53.9	1349.7	4%	19%
	Gharapjhong	59.7	320.1	19%	21%
	Lomanthang	22.3	725.1	3%	8%
	Thasang	119.5	286.9	42%	42%
Mustang total		285.0	3568.6	8%	100%

7. Myagdi district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Beni	28.9	76.6	38%	3%
Rural Municipality	Annapurna	284.7	557.0	51%	26%
	Dhaulagiri	399.1	1037.2	38%	37%
	Malika	94.1	147.3	64%	9%
	Mangala	54.8	88.9	62%	5%
	Raghuganga	223.2	379.5	59%	21%
Myagdi total		1084.7	2286.5	47%	100%

8. Nawalparasi district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Devchuli	59.9	112.9	53%	8%
	Gaindakot	98.0	160.3	61%	13%
	Kawasoti	29.4	108.5	27%	4%
	Madhyabindu	134.1	233.7	57%	17%
Rural Municipality	Binayi Triveni	209.8	288.5	73%	27%
	Bulingtar	79.0	147.9	53%	10%
	Bungdikali	50.3	92.0	55%	6%
	Hupsekot	117.9	189.5	62%	15%
Nawalparasi total		778.3	1333.3	58%	100%

9. Parbat district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Kushma	41.7	93.3	45%	15%
	Phalebas	42.6	85.8	50%	15%
Rural Municipality	Bihadi	14.5	44.8	32%	5%
	Jaljala	44.7	82.3	54%	16%
	Mahashila	20.5	49.4	41%	7%
	Modi	98.9	143.8	69%	36%
	Paiyu	13.5	42.7	32%	5%
Parbat total		276.4	542.1	51%	100%

10. Syanjha district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bhirkot	30.8	81.7	38%	6%
	Chapakot	46.9	123.7	38%	10%
	Galyang	54.1	123.4	44%	11%
	Putalibazar	86.0	149.6	57%	18%
	Waling	46.2	117.3	39%	10%
Rural Municipality	Andhikhola	36.2	69.7	52%	8%
	Arjunchaupari	22.2	57.3	39%	5%
	Biruwa	39.8	85.6	46%	8%
	Harinas	46.0	95.7	48%	10%
	Kaligandaki	39.2	73.6	53%	8%
	Phedikhola	32.1	56.8	56%	7%
Syangja total		479.4	1034.4	46%	100%

11. Tanahu district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bhanu	69.4	184.7	38%	8%
	Bhimad	58.3	129.5	45%	7%
	Byas	125.4	248.2	51%	15%
	Shuklagandaki	87.5	165.0	53%	11%
Rural Municipality	Anbukhaireni	78.0	128.3	61%	9%
	Bandipur	46.7	101.8	46%	6%
	Dewaghat	118.1	159.8	74%	14%
	Ghiring	64.3	126.6	51%	8%
	Hrishing	124.0	215.5	58%	15%
	Myagde	58.5	115.6	51%	7%
Tanahu total		830.3	1575.0	53%	100%

8. Forests Profile of Province - 5

1. Arghakhanchi district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bhumikasthan	70.0	159.2	44%	9%
	Sandhikharka	48.7	129.5	38%	7%
	Sitganga	477.2	610.5	78%	64%
Rural Municipality	Chhatradev	32.6	87.7	37%	4%
	Malarani	31.2	101.1	31%	4%
	Panini	80.4	151.5	53%	11%
Arghakhanchi total		740.1	1239.5	60%	100%

2. Banke district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Kohalpur	121.1	183.9	66%	10%
Rural Municipality	Baijanath	48.5	141.4	34%	4%
	Duduwa	16.1	90.9	18%	1%
	Janaki	0.0	63.2	0%	0%
	Khajura	1.5	101.7	1%	0%
	Narainapur	105.6	172.1	61%	9%
	Raptisonari	884.7	1040.2	85%	75%
Sub-Metropolitan	Nepalgunj	1.5	85.8	2%	0%
Banke total		1179.0	1879.2	63%	100%

3. Bardia district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bansgadhi	147.9	205.7	72%	42%
	Bar Bardiya	95.8	226.3	42%	27%
	Gulariya	8.7	117.9	7%	2%
	Madhuwan	47.1	129.4	36%	13%
	Rajapur	5.0	126.8	4%	1%
	Thakurbaba	33.8	104.3	32%	10%
Rural Municipality	Badhaiyatal	11.6	115.0	10%	3%
	Geruwa	4.0	78.2	5%	1%
Bardia total		353.9	1103.6	32%	100%

4. Dang district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Lamahi	239.6	326.4	73%	12%
Rural Municipality	Babai	199.9	257.2	78%	10%
	Bangalachuli	165.5	245.1	68%	8%
	Dangisaran	59.9	110.6	54%	3%
	Gadhwa	277.2	358.4	77%	14%
	Rajpur	491.5	576.8	85%	24%
	Rapti	106.2	161.0	66%	5%
	Shantinagar	58.2	115.9	50%	3%
Sub-Metropolitan	Ghorahi	261.9	521.9	50%	13%
	Tulsipur	146.8	384.3	38%	7%
Dang total		2006.8	3057.6	66%	100%

5. Gulmi district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Musikot	48.7	114.8	42%	11%
	Resunga	42.1	83.8	50%	9%
Rural Municipality	Chandrakot	49.6	105.8	47%	11%
	Chhatrakot	37.7	87.1	43%	8%
	Dhurkot	26.3	83.3	32%	6%
	Gulmidarbar	29.5	80.0	37%	6%
	Isma	27.1	81.9	33%	6%
	Kaligandaki	48.0	101.1	47%	10%
	Madane	29.2	94.5	31%	6%
	Malika	25.5	92.5	28%	6%
	Ruru	34.9	67.4	52%	8%
Satyawati	64.7	116.0	56%	14%	
Gulmi total		463.2	1108.2	42%	100%

6. Kapilbastu district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Banganga	112.6	233.8	48%	18%
	Buddhabhumi	239.8	366.7	65%	39%
	Kapivastu	4.8	136.9	3%	1%
	Krishnanagar	0.0	96.6	0%	0%
	Maharajgunj	0.1	112.2	0%	0%
	Shivaraj	169.8	284.0	60%	28%
Rural Municipality	Bijaynagar	81.7	173.1	47%	13%
	Mayadevi	0.2	88.6	0%	0%
	Sudhodhan	0.0	91.7	0%	0%
	Yasodhara	0.0	67.6	0%	0%
Kapilbastu total		608.9	1651.2	37%	100%

7. Nawalparasi district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bardaghat	97.7	178.7	55%	44%
	Ramgram	0.5	94.0	1%	0%
	Sunawal	103.4	173.7	60%	47%
Rural Municipality	Palhinandan	0.1	44.7	0%	0%
	Pratapapur	0.1	71.2	0%	0%
	Sarawal	7.5	73.3	10%	3%
	Susta	10.5	91.4	12%	5%
Nawalparasi total		219.8	727.0	30%	100%

8. Palpa district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Rampur	52.6	123.5	43%	6%
	Tansen	59.5	109.9	54%	7%
Rural Municipality	Bagnaskali	37.6	84.2	45%	5%
	Mathagadhi	121.0	215.7	56%	15%
	Nisdi	105.4	194.8	54%	13%
	Purbakhola	72.5	138.2	52%	9%
	Rainadevi Chhahara	113.9	176.0	65%	14%
	Rambha	38.6	94.2	41%	5%
	Ribdikot	76.0	124.6	61%	9%
Tinau	151.4	202.2	75%	18%	
Palpa total		828.5	1463.3	57%	100%

9. Pyuthan district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Pyuthan	47.5	129.0	37%	7%
	Swargadwari	131.2	224.6	58%	20%
Rural Municipality	Erawati	87.7	156.7	56%	14%
	Gaumukhi	51.9	139.1	37%	8%
	Jhimruk	38.9	106.9	36%	6%
	Mallarानी	26.5	79.2	33%	4%
	Mandawi	54.4	113.1	48%	8%
	Naubahinii	101.8	213.4	48%	16%
	Sarumarani	106.5	158.0	67%	16%
Pyuthan total		646.4	1320.0	49%	100%

10. Rolpa district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Rolpa	162.5	270.3	60%	16%
Rural Municipality	Duikholi	79.9	163.0	49%	8%
	Lungri	67.3	135.2	50%	7%
	Madi	79.2	129.0	61%	8%
	Runtigadi	127.3	232.6	55%	13%
	Subarnawati	82.1	156.5	52%	8%
	Sukidaha	80.7	124.3	65%	8%
	Sunchhahari	114.8	277.6	41%	12%
	Thawang	69.0	191.1	36%	7%
	Triveni	133.5	205.3	65%	13%
Rolpa total		996.1	1884.9	53%	100%

11. Rukum district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Rural Municipality	Bhume	131.1	273.5	48%	24%
	Putha Uttarganga	259.5	560.2	46%	47%
	Sisne	165.9	327.0	51%	30%
Rukum total		556.5	1160.7	48%	100%

12. Rupandehi district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Dewdaha	73.9	137.1	54%	29%
	Lumbini Cultural	0.0	112.3	0%	0%
	Sainamaina	91.7	161.3	57%	37%
	Sidharthanagar	0.1	36.1	0%	0%
	Tilottama	13.6	126.3	11%	5%
Rural Municipality	Gaidahawa	7.3	96.8	8%	3%
	Kanchan	12.8	58.5	22%	5%
	Kotahimai	0.0	58.3	0%	0%
	Marchawari	0.0	48.6	0%	0%
	Mayadevi	0.0	72.5	0%	0%
	Omsatiya	0.0	48.6	0%	0%
	Rohini	0.2	64.7	0%	0%
	Sammarimai	0.0	50.8	0%	0%
	Siyari	1.4	66.4	2%	1%
	Suddodhan	0.2	57.6	0%	0%
Sub-Metropolitan	Butwal	49.8	101.7	49%	20%
Rupandehi total		251.1	1297.6	19%	100%

9. Forests Profile of Province – 6

1. Dailekh district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Athabisa	101.5	167.7	61%	13%
	Chamunda Bindrasaini	27.0	90.4	30%	3%
	Dullu	49.7	156.5	32%	6%
	Narayan	44.2	110.4	40%	6%
Rural Municipality	Bhagwati	87.9	151.3	58%	11%
	Bhairabi	68.5	118.8	58%	9%
	Dungeshwor	58.7	105.0	56%	8%
	Guransi	90.4	164.5	55%	12%
	Mahabu	47.4	102.1	46%	6%
	Naumule	159.9	228.2	70%	20%
	Thantikandh	46.3	88.0	53%	6%
Dailekh total		781.6	1482.9	53%	100%

2. Dolpa district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Thuli Bheri	222.9	458.2	49%	18%
	Tripura Sundari	226.6	393.5	58%	19%
Rural Municipality	Chharka Tangsongh	112.1	1966.3	6%	9%
	Dolpo Buddha	6.7	1180.4	1%	1%
	Jagdulla	160.8	777.3	21%	13%
	Kaike	118.6	466.7	25%	10%
	Mudkechula	152.3	249.9	61%	13%
	She Phoksundo	216.1	2454.0	9%	18%
Dolpa total		1216.2	7946.3	15%	100%

3. Humla district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Rural Municipality	Adanchuli	106.9	150.4	71%	8%
	Chankheli	261.9	1309.2	20%	21%
	Kharpunath	165.0	878.9	19%	13%
	Namkha	308.7	2415.3	13%	24%
	Sarkegad	214.0	306.3	70%	17%
	Simkot	98.8	784.8	13%	8%
	Tanjakot	121.7	158.8	77%	10%
Humla total		1277.1	6003.7	21%	100%

4. Jajarkot district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bherimalika	119.3	219.5	54%	9%
	Chhedagad	155.2	283.8	55%	12%
Rural Municipality	Barekot	340.1	577.0	59%	25%
	Junichande	225.4	345.8	65%	17%
	Kuse	206.8	273.7	76%	15%
	Shiwalay	77.9	134.1	58%	6%
	Tribeni Nalagad	220.0	387.1	57%	16%
Jajarkot total		1344.9	2221.0	61%	100%

5. Jumla district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Chandannath	52.7	101.9	52%	4%
Rural Municipality	Guthichaur	205.2	426.7	48%	17%
	Hima	77.2	132.1	58%	6%
	Kanaka Sundari	156.3	225.1	69%	13%
	Patarashi	281.1	813.5	35%	23%
	Sinja	94.8	153.1	62%	8%
	Tatopani	241.9	525.0	46%	20%
	Tila	104.0	175.3	59%	9%
Jumla total		1213.1	2552.7	48%	100%

6. Kalikot district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Khandachakra	77.1	133.1	58%	7%
	Raskot	24.9	59.6	42%	2%
	Tlagupha	170.8	262.2	65%	15%
Rural Municipality	Kalika	75.3	97.1	78%	7%
	Mahabai	251.2	321.6	78%	22%
	Na	106.9	166.6	64%	9%
	Naraharinath	105.0	143.6	73%	9%
	Palata	252.4	318.4	79%	22%
	Sanni Triveni	94.4	136.5	69%	8%
Kalikot total		1158.0	1638.7	71%	100%

7. Mugu district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Chhayanath Rara	319.3	480.2	66%	27%
Rural Municipality	Khatyad	197.8	280.7	70%	17%
	Mugumkarmarog	411.5	2105.8	20%	34%
	Shoru	268.3	365.3	73%	22%
Mugu total		1196.8	3232.0	37%	100%

8. Rukum district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Athbiskot	348.6	560.0	62%	53%
	Chaurjahari	39.5	107.3	37%	6%
	Musikot	58.6	136.0	43%	9%
Rural Municipality	Baphekot	106.3	190.3	56%	16%
	Sanibheri	54.1	133.7	40%	8%
	Triveni	45.1	85.4	53%	7%
Rukum total		652.1	1212.7	54%	100%

9. Salyan district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bagchaur	85.1	163.0	52%	7%
	Sharada	127.9	198.1	65%	10%
Rural Municipality	Bangad Kupinde	229.5	337.8	68%	18%
	Chhatreshwari	99.4	150.6	66%	8%
	Darma	32.8	81.4	40%	3%
	Dhorchaur	52.7	89.3	59%	4%
	Kalimati	366.0	443.7	82%	29%
	Kapurkot	76.1	119.1	64%	6%
	Kumakhmalika	104.9	177.1	59%	8%
	Tribeni	76.7	119.0	64%	6%
Salyan total		1251.1	1879.1	67%	100%

10. Surkhet district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bheriganga	189.3	255.8	74%	11%
	Birendranagar	146.3	244.5	60%	8%
	Gurbhakot	129.3	228.3	57%	7%
	Lekbeshi	92.4	180.6	51%	5%
	Panchpuri	254.4	329.2	77%	15%
Rural Municipality	Barahtal	367.3	454.2	81%	21%
	Charkune	308.0	380.1	81%	18%
	Chingad	94.6	169.9	56%	5%
	Simta	164.5	241.3	68%	9%
Surkhet total		1746.1	2483.9	70%	100%

10. Forests Profile of Province – 7

1. Achham district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Kamalbazar	69.0	120.5	57%	7%
	Mangalsen	167.3	219.6	76%	16%
	Panchadewal Binakyak	72.0	147.4	49%	7%
	Sanfebagar	92.3	166.3	56%	9%
Rural Municipality	Bannigadhi	27.8	58.1	48%	3%
	Chaurpati	127.2	181.7	70%	12%
	Dhakari	148.3	227.3	65%	14%
	Mellekh	83.3	134.5	62%	8%
	Ramaroshani	122.2	173.0	71%	12%
	Turmakhand	144.1	231.6	62%	14%
Achham total		1053.5	1660.0	63%	100%

2. Baitadi district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Dashrathchand	70.3	134.7	52%	8%
	Melauli	64.7	119.3	54%	7%
	Patan	141.4	218.5	65%	15%
	Purchaudi	122.1	197.9	62%	13%
	Surnaya	86.4	124.1	70%	9%
Rural Municipality	Dilsaini	88.9	124.9	71%	10%
	Dogada Kedar	91.6	126.0	73%	10%
	Pancheshwor	63.4	120.0	53%	7%
	Shivnath	44.3	81.4	54%	5%
	Sigash	158.7	244.7	65%	17%
Baitadi total		931.8	1491.5	62%	100%

3. Bajhang district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bungal	252.3	446.3	57%	17%
	Jayaprithvi	111.1	166.4	67%	7%
Rural Municipality	Bitthadchir	46.3	85.9	54%	3%
	Chhabispathibhera	73.0	116.0	63%	5%
	Durgathali	37.0	61.7	60%	2%
	Kanda	290.3	1464.0	20%	20%
	Kaptadchhanna	74.0	113.2	65%	5%
	Kedarsyun	58.0	113.6	51%	4%
	Masta	73.0	109.0	67%	5%
	Surma	146.4	270.1	54%	10%
	Talkot	258.1	334.5	77%	17%
	Thalara	68.1	105.2	65%	5%
Bajhang total		1487.4	3385.9	44%	100%

4. Bajura district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Badimalika	197.5	275.5	72%	15%
	Budhiganga	21.6	59.1	37%	2%
	Budhinanda	145.3	232.1	63%	11%
	Triveni	108.4	170.0	64%	8%
Rural Municipality	Chhededaha	75.9	127.2	60%	6%
	Gaumul	212.0	314.0	68%	16%
	Himali	405.0	828.9	49%	30%
	Pandavgufa	117.6	171.4	69%	9%
	Swamikartik	62.2	110.4	56%	5%
Bajura total		1345.6	2288.6	59%	100%

5. Dadeldhura district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Amargadhi	96.8	138.9	70%	9%
	Parsuram	334.6	412.6	81%	30%
Rural Municipality	Ajaymeru	81.2	148.4	55%	7%
	Alital	243.5	291.9	83%	21%
	Bhageshwor	191.5	232.6	82%	17%
	Ganyapdhura	98.9	135.2	73%	9%
	Navdurga	87.1	141.5	62%	8%
Dadeldhura total		1133.5	1501.1	76%	100%

6. Darchula district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Mahakali	93.9	134.7	70%	9%
	Sailyashikhar	74.6	117.4	64%	7%
Rural Municipality	Apihimal	272.9	612.2	45%	25%
	Byans	189.1	836.9	23%	18%
	Duhun	41.7	65.1	64%	4%
	Lekam	67.5	83.7	81%	6%
	Malikarjun	74.6	100.5	74%	7%
	Marma	134.1	207.4	65%	12%
	Naugad	129.2	179.7	72%	12%
Darchula total		1077.5	2337.6	46%	100%

7. Doti district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Dipayal Silgadhi	59.7	126.3	47%	4%
	Shikhari	199.2	284.5	70%	14%
Rural Municipality	Adarsh	59.5	128.1	46%	4%
	Badi Kedar	276.7	331.6	83%	19%
	Bogatan	250.9	299.4	84%	17%
	Joroyal	367.8	417.8	88%	26%
	K.I. Singh	93.1	126.7	74%	6%
	Purbi Chauki	63.1	117.3	54%	4%
	Sayal	69.5	122.4	57%	5%
Doti total		1439.6	1954.1	74%	100%

8. Kailali district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bhajani	59.5	175.8	34%	3%
	Gauriganga	151.8	243.7	62%	8%
	Ghodaghodi	221.8	353.5	63%	11%
	Godawari	197.3	307.6	64%	10%
	Lamki Chuha	137.6	224.4	61%	7%
	Tikapur	14.7	118.0	12%	1%
Rural Municipality	Bardagoriya	30.4	77.1	39%	2%
	Chure	424.1	491.6	86%	21%
	Janaki	18.1	107.0	17%	1%
	Joshiapur	1.6	65.4	2%	0%
	Kailari	116.4	232.6	50%	6%
	Mohanyal	546.5	625.3	87%	27%
Sub-Metropolitan	Dhangadhi	88.0	260.9	34%	4%
Kailali total		2007.8	3282.9	61%	100%

9. Kanchanpur district

Local Level		Area (Sq.km)		% of Forests	
Structure	Name	Forest land	Total land	Within local structure	Within district
Municipality	Bedkot	86.3	159.3	54%	17%
	Belauri	13.4	122.9	11%	3%
	Bhimdutta	55.1	171.1	32%	11%
	Krishnapur	158.2	251.9	63%	31%
	Mahakali	2.9	56.6	5%	1%
	Punarbass	11.6	103.4	11%	2%
	Shukla Phanta	86.5	166.0	52%	17%
Rural Municipality	Beldandi	0.1	37.2	0%	0%
	Laljhadii	96.5	154.1	63%	19%
Kanchanpur total		510.6	1222.5	42%	100%